

YAMAHA

TONE GENERATOR

MU50

SOUND LIST & MIDI DATA

MU50 Effect Type List

REVERB

| No. | Exclusive msb lsb | Effect Type | Description |
|-----|----------------------|-------------|--|
| 0 | 0 0 | NO EFFECT | Effect turned off. |
| 1 | 1 0 | HALL1 | Reverb simulating the resonance of a hall. |
| 2 | 1 1 | HALL2 | Reverb simulating the resonance of a hall. |
| 3 | 2 0 | ROOM1 | Reverb simulating the resonance of a room. |
| 4 | 2 1 | ROOM2 | Reverb simulating the resonance of a room. |
| 5 | 2 2 | ROOM3 | Reverb simulating the resonance of a room. |
| 6 | 3 0 | STAGE1 | Reverb appropriate for a solo instrument. |
| 7 | 3 1 | STAGE2 | Reverb appropriate for a solo instrument. |
| 8 | 4 0 | PLATE | Reverb simulating a metal plate reverb unit. |
| 9 | 10 0 | WHITE ROOM | A unique short reverb with a bit of initial delay. |
| 10 | 11 0 | TUNNEL | Simulation of a tunnel space expanding to left and right. |
| 11 | 13 0 | BASEMENT | A bit of initial delay followed by reverb with a unique resonance. |

CHORUS

| No. | Exclusive msb lsb | Effect Type | Description |
|-----|----------------------|-------------|--|
| 0 | 0 0 | NO EFFECT | Effect turned off. |
| 1 | 41 0 | CHORUS1 | Conventional chorus program that adds natural spaciousness. |
| 2 | 41 1 | CHORUS2 | Conventional chorus program that adds natural spaciousness. |
| 3 | 41 2 | CHORUS3 | Conventional chorus program that adds natural spaciousness. |
| 4 | 41 8 | CHORUS4 | Chorus with stereo input. The pan setting specified for the Part will also apply to the effect sound. |
| 5 | 42 0 | CELESTE1 | A 3-phase LFO adds modulation and spaciousness to the sound. |
| 6 | 42 1 | CELESTE2 | A 4-phase LFO adds modulation and spaciousness to the sound. |
| 7 | 42 2 | CELESTE3 | A 5-phase LFO adds modulation and spaciousness to the sound. |
| 8 | 42 8 | CELESTE4 | CELESTE with stereo input. The pan setting specified for the Part will also apply to the effect sound. |
| 9 | 43 0 | FLANGER1 | Adds a jet-airplane effect to the sound. |
| 10 | 43 1 | FLANGER2 | Adds a jet-airplane effect to the sound. |
| 11 | 43 8 | FLANGER3 | Adds a jet-airplane effect to the sound. |

VARIATION

| No. | Exclusive msb lsb | Effect Type | Description |
|-----|----------------------|-------------------|---|
| 0 | 0 0 | NO EFFECT | Effect turned off. |
| 1 | 1 0 | HALL1 | Reverb simulating the resonance of a hall. |
| 2 | 1 1 | HALL2 | Reverb simulating the resonance of a hall. |
| 3 | 2 0 | ROOM1 | Reverb simulating the resonance of a room. |
| 4 | 2 1 | ROOM2 | Reverb simulating the resonance of a room. |
| 5 | 2 2 | ROOM3 | Reverb simulating the resonance of a room. |
| 6 | 3 0 | STAGE1 | Reverb appropriate for a solo instrument. |
| 7 | 3 1 | STAGE2 | Reverb appropriate for a solo instrument. |
| 8 | 4 0 | PLATE | Reverb simulating a metal plate reverb unit. |
| 9 | 5 0 | DELAY L,C,R | A program that creates three delay sounds; L, R, and C (center). |
| 10 | 6 0 | DELAY L,R | A program that creates two delay sounds; L and R. Two feedback delays are provided. |
| 11 | 7 0 | ECHO | Two delays (L and R) and independent feedback delays for L and R. |
| 12 | 8 0 | CROSS DELAY | A program that crosses the feedback of two delays. |
| 13 | 9 0 | ER1 | An effect that produces only the early reflection component of reverb. |
| 14 | 9 1 | ER2 | An effect that produces only the early reflection component of reverb. |
| 15 | A 0 | GATE REVERB | A simulation of gated reverb. |
| 16 | B 0 | REVERSE GATE | A program that simulates gated reverb played backwards. |
| 17 | 14 0 | KARAOKE 1 | A delay with feedback of the same type as used for karaoke reverb. |
| 18 | 14 1 | KARAOKE 2 | A delay with feedback of the same type as used for karaoke reverb. |
| 19 | 14 2 | KARAOKE 3 | A delay with feedback of the same type as used for karaoke reverb. |
| 20 | 41 0 | CHORUS1 | A conventional chorus program, providing natural spaciousness. |
| 21 | 41 1 | CHORUS2 | A conventional chorus program, providing natural spaciousness. |
| 22 | 41 2 | CHORUS3 | A conventional chorus program, providing natural spaciousness. |
| 23 | 41 8 | CHORUS4 | Chorus with stereo input. |
| 24 | 42 0 | CELESTE1 | A 3-phase LFO adds modulation and spaciousness to the sound. |
| 25 | 42 1 | CELESTE2 | A 4-phase LFO adds modulation and spaciousness to the sound. |
| 26 | 42 2 | CELESTE3 | A 5-phase LFO adds modulation and spaciousness to the sound. |
| 27 | 42 8 | CELESTE4 | Celeste with stereo input. |
| 28 | 43 0 | FLANGER1 | Adds a jet-airplane effect to the sound. |
| 29 | 43 1 | FLANGER2 | Adds a jet-airplane effect to the sound. |
| 30 | 43 8 | FLANGER3 | Adds a jet-airplane effect to the sound. |
| 31 | 44 0 | SYMPHONIC | A multi-phase version of CELESTE. |
| 32 | 45 0 | ROTARY SPEAKER | A simulation of a rotary speaker. You can use an AC1 (assignable controller) etc. to control the speed of rotation. |
| 33 | 46 0 | TREMOLO | An effect that cyclically modulates the volume. |
| 34 | 47 0 | AUTO PAN | A program that cyclically moves the sound image to left and right, front and back. |
| 35 | 48 0 | PHASER1 | Cyclically changes the phase to add modulation to the sound. |
| 36 | 48 8 | PHASER2 | Phaser with stereo input. |
| 37 | 49 0 | DISTORTION | Adds a sharp-edged distortion to the sound. |
| 38 | 4A 0 | OVER DRIVE | Adds mild distortion to the sound. |
| 39 | 4B 0 | AMP SIMULATOR | A simulation of a guitar amp. |
| 40 | 4C 0 | 3-BAND EQ(MONO) | A mono EQ with adjustable LOW, MID, and HIGH equalizing. |
| 41 | 4D 0 | 2-BAND EQ(STEREO) | A stereo EQ with adjustable LOW and HIGH. Ideal for drum Parts. |
| 42 | 4E 0 | AUTO WAH(LFO) | Cyclically modulates the center frequency of a wah filter. With an AC1 etc. this can function as a pedal wah. |
| 43 | 40 0 | THRU | Bypass without applying an effect. |

MU50 Effect Parameter List

parameter 1~10 = required parameters
parameter 11~16 = optional parameters

BASIC EFFECT TYPE

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|-----------------------|----------------------|---------------------|--------|---------------------|--------|----------------------|---------|
| CHORUS1,2,3,4 | | | | | | | |
| CELESTE1,2,3,4 | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | |
| 2 | LFO PM Depth | 0~127 | 0-63 | | • | T 0-127 | |
| 3 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 4 | Delay Offset | 0~127 | 0-127 | table#2 | • | • | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |
| 13 | EQ Mid Width | 1.0~12.0 | 10-120 | | • | | |
| 14 | LFO AM Depth | 0~127 | 0-127 | | • | | |
| 15 | Input Mode | mono/stereo | 0-1 | | | • | |
| 16 | | | | | | | |
| FLANGER1,2,3 | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | |
| 2 | LFO Depth | 0~127 | 0-127 | | • | • | |
| 3 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 4 | Delay Offset | 0~63 | 0-63 | table#2 | • | • | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |
| 13 | EQ Mid Width | 1.0~12.0 | 10-120 | | • | | |
| 14 | LFO Phase Difference | -180~+180deg | 4-124 | resolution = 30deg. | • | T resolution = 3deg. | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| SYMPHONIC | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | |
| 2 | LFO Depth | 0~127 | 0-127 | | • | • | |
| 3 | Delay Offset | 0~127 | 0-127 | table#2 | • | • | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |
| 13 | EQ Mid Width | 1.0~12.0 | 10-120 | | • | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| ROTARY SPEAKER | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | • |
| 2 | LFO Depth | 0~127 | 0-127 | | • | • | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |
| 13 | EQ Mid Width | 1.0~12.0 | 10-120 | | • | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| TREMOLO | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | • |
| 2 | AM Depth | 0~127 | 0-127 | | • | • | |
| 3 | PM Depth | 0~127 | 0-127 | | • | • | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | | | | | | | |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |

MU50 Effect Parameter List

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|-----------------------------|----------------------|---------------------------------|--------|---------------------|----------|--------------------------------|--------------------|
| 13 | EQ Mid Width | 1.0-12.0 | 10-120 | | • | | |
| 14 | LFO Phase Difference | -180~+180deg | 4-124 | resolution = 30deg. | • | T | resolution = 3deg. |
| 15 | Input Mode | mono/stereo | 0-1 | | | • | |
| 16 | | | | | | | |
| AUTO PAN | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | • |
| 2 | L/R Depth | 0~127 | 0-127 | | • | • | |
| 3 | F/R Depth | 0~127 | 0-127 | | • | • | |
| 4 | PAN Direction | L<->R,L->R,L<-R,Lturn,Rturn,L/R | 0-5 | | • | • | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T | 4-40 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | | | | | | | |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | • | • |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | • | • |
| 13 | EQ Mid Width | 1.0-12.0 | 10-120 | | • | • | • |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| PHASER1,PHASER2 | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | • | |
| 2 | LFO Depth | 0~127 | 0-127 | | • | • | |
| 3 | Phase Shift Offset | 0~127 | 0-127 | | • | • | |
| 4 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T | 4-40 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Stage | 3~10 | 3-10 | | ▲ 4,6,8, | ▲ 6~10(phaser1) / 3~5(phaser2) | • |
| 12 | Diffusion | Mono/Stereo | 0-1 | | • | • | • |
| 13 | LFO Phase Difference | -180~+180deg. | 4-124 | resolution = 3deg. | | • | phaser2 only |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| DISTORTION | | | | | | | |
| OVERDRIVE | | | | | | | |
| 1 | Drive | 0~127 | 0-127 | | • | • | • |
| 2 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | • | 4-40 32Hz~2.0kHz | • |
| 3 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 4 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | • | • |
| 5 | Output Level | 0~127 | 0-127 | | • | • | • |
| 6 | | | | | | | |
| 7 | EQ Mid Frequency | 500Hz~10.0kHz | 28-54 | table#3 | T | 14-54 100Hz~10.0kHz | • |
| 8 | EQ Mid Gain | -12~+12dB | 52-76 | | • | • | • |
| 9 | EQ Mid Width | 1.0-12.0 | 10-120 | | • | • | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Edge(Clip Curve) | 0~127 | 0-127 | mild-sharp | | • | • |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| GUITAR AMP SIMULATOR | | | | | | | |
| 1 | Drive | 0~127 | 0-127 | | • | • | • |
| 2 | AMP Type | Off,Stack,Combo,Tube | 0-3 | | • | • | • |
| 3 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | • | • |
| 4 | Output Level | 0~127 | 0-127 | | • | • | • |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Edge(Clip Curve) | 0~127 | 0-127 | mild-sharp | | • | • |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 3-BAND EQ | | | | | | | |
| 1 | EQ Low Gain | -12~+12dB | 52-76 | | • | • | • |
| 2 | EQ Mid Frequency | 500Hz~10.0kHz | 28-54 | table#3 | T | 14-54 100Hz~10.0kHz | • |
| 3 | EQ Mid Gain | -12~+12dB | 52-76 | | • | • | • |
| 4 | EQ Mid Width | 1.0-12.0 | 10-120 | | • | • | • |
| 5 | EQ High Gain | -12~+12dB | 52-76 | | • | • | • |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T | 4-40 32Hz~2.0kHz | • |
| 7 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | • | • |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |

MU50 Effect Parameter List

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|--------------------------|-------------------------|---------------------|--------|-----------|--------|--------------------|---------|
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 2-BAND EQ | | | | | | | |
| 1 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 2 | EQ Low Gain | -12~+12dB | 52-76 | | • | | • |
| 3 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | | • |
| 4 | EQ High Gain | -12~+12dB | 52-76 | | • | | • |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | EQ Mid Frequency | 100Hz~10.0kHz | 14-54 | table#3 | • | | |
| 12 | EQ Mid Gain | -12~+12dB | 52-76 | | • | | |
| 13 | EQ Mid Width | 1.0~12.0 | 10-120 | | • | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| AUTO WAH | | | | | | | |
| 1 | LFO Frequency | 0.00~39.7Hz | 0-127 | table#1 | • | | • |
| 2 | LFO Depth | 0~127 | 0-127 | | • | | • |
| 3 | Cutoff Frequency Offset | 0~127 | 0-127 | | • | | • |
| 4 | Resonance | 1.0~12.0 | 10-120 | | • | | • |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | T 4-40 | 32Hz~2.0kHz | • |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | | • |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | | • |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | | • |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | | • |
| 11 | Drive | 0~127 | 0-127 | | • | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| HALL1,HALL2 | | | | | | | |
| ROOM1,ROOM2,ROOM3 | | | | | | | |
| STAGE1,STAGE2 | | | | | | | |
| PLATE | | | | | | | |
| 1 | Reverb Time | 0.3~30.0s | 0-69 | table#4 | • | | • |
| 2 | Diffusion | 0~10 | 0-10 | | • | | • |
| 3 | Initial Delay | 0~63 | 0-63 | table#5 | • | | • |
| 4 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | | • |
| 5 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | | • |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | | • |
| 11 | Rev Delay | 0~63 | 0-63 | table#5 | • | | • |
| 12 | Density | 0~3 | 0-3 | | T 0-4 | *REV(0-4),VAR(0-3) | • |
| 13 | Er/Rev Balance | E63>R ~ E=R ~ E<R63 | 1-127 | | • | | • |
| 14 | High Damp | 0.1~1.0 | 1-10 | | • | | • |
| 15 | Feedback Level | -63~+63 | 1-127 | | | | • |
| 16 | | | | | | | |
| DELAY L,C,R | | | | | | | |
| 1 | Lch Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 2 | Rch Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 3 | Cch Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 4 | Feedback Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 5 | Feedback Level | -63~+63 | 1-127 | | • | | • |
| 6 | Cch Level | 0~127 | 0-127 | | • | | • |
| 7 | High Damp | 0.1~1.0 | 1-10 | | • | | • |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | | • |
| 11 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | | • |
| 12 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | | • |
| 13 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | | | • |
| 14 | EQ Low Gain | -12~+12dB | 52-76 | | | | • |
| 15 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | | | • |
| 16 | EQ High Gain | -12~+12dB | 52-76 | | | | • |
| DELAY L,R | | | | | | | |
| 1 | Lch Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 2 | Rch Delay | 0.1~715.0ms | 1-7150 | | • | | • |
| 3 | Feedback Delay 1 | 0.1~715.0ms | 1-7150 | | • | | • |
| 4 | Feedback Delay 2 | 0.1~715.0ms | 1-7150 | | • | | • |
| 5 | Feedback Level | -63~+63 | 1-127 | | • | | • |
| 6 | High Damp | 0.1~1.0 | 1-10 | | • | | • |

MU50 Effect Parameter List

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|------------------------------|--------------------|------------------------------|--------|-----------|------|------|---------|
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | | |
| 12 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | | |
| 13 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | | • | |
| 14 | EQ Low Gain | -12~+12dB | 52-76 | | | • | |
| 15 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | | • | |
| 16 | EQ High Gain | -12~+12dB | 52-76 | | | • | |
| ECHO | | | | | | | |
| 1 | Lch Delay1 | 0.1~355.0ms | 1-3550 | | • | • | |
| 2 | Lch Feedback Level | -63~+63 | 1-127 | | • | • | |
| 3 | Rch Delay1 | 0.1~355.0ms | 1-3550 | | • | • | |
| 4 | Rch Feedback Level | -63~+63 | 1-127 | | • | • | |
| 5 | High Damp | 0.1~1.0 | 1-10 | | • | • | |
| 6 | Lch Delay2 | 0.1~355.0ms | 1-3550 | | • | • | |
| 7 | Rch Delay2 | 0.1~355.0ms | 1-3550 | | • | • | |
| 8 | Delay2 Level | 0~127 | 0-127 | | • | • | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | | |
| 12 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | | |
| 13 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | | • | |
| 14 | EQ Low Gain | -12~+12dB | 52-76 | | | • | |
| 15 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | | • | |
| 16 | EQ High Gain | -12~+12dB | 52-76 | | | • | |
| CROSS DELAY | | | | | | | |
| 1 | L->R Delay | 0.1~355.0ms | 1-3550 | | • | • | |
| 2 | R->L Delay | 0.1~355.0ms | 1-3550 | | • | • | |
| 3 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 4 | Input Select | L,R,L&R | 0-2 | | • | • | |
| 5 | High Damp | 0.1~1.0 | 1-10 | | • | • | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | | |
| 12 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | | |
| 13 | EQ Low Frequency | 50Hz~2.0kHz | 8-40 | table#3 | | • | |
| 14 | EQ Low Gain | -12~+12dB | 52-76 | | | • | |
| 15 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | | • | |
| 16 | EQ High Gain | -12~+12dB | 52-76 | | | • | |
| EARLY REF1,EARLY REF2 | | | | | | | |
| 1 | Type | S-H, L-H, Rdm, Rvs, Plt, Spr | 0-5 | | • | • | |
| 2 | Room Size | 0.1~7.0 | 0-44 | table#6 | • | • | |
| 3 | Diffusion | 0~10 | 0-10 | | • | • | |
| 4 | Initial Delay | 0~63 | 0-63 | table#5 | • | • | |
| 5 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 6 | HPF Cutoff | Thru~8.0kHz | 0-52 | | • | • | |
| 7 | LPF Cutoff | 1.0k~Thru | 34-60 | | • | • | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Liveness | 0~10 | 0-10 | | • | • | |
| 12 | Density | 0~3 | 0-3 | | • | • | |
| 13 | High Damp | 0.1~1.0 | 1-10 | | • | • | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| GATE REVERB | | | | | | | |
| REVERSE GATE | | | | | | | |
| 1 | Type | TypeA,TypeB | 0-1 | | • | • | |
| 2 | Room Size | 0.1~7.0 | 0-44 | table#6 | • | • | |
| 3 | Diffusion | 0~10 | 0-10 | | • | • | |
| 4 | Initial Delay | 0~63 | 0-63 | table#5 | • | • | |
| 5 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 6 | HPF Cutoff | Thru~8.0kHz | 0-52 | | • | • | |
| 7 | LPF Cutoff | 1.0k~Thru | 34-60 | | • | • | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Liveness | 0~10 | 0-10 | | • | • | |
| 12 | Density | 0~3 | 0-3 | | • | • | |
| 13 | High Damp | 0.1~1.0 | 1-10 | | • | • | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| OPTION EFFECT TYPE | | | | | | | |
| PITCH CHANGE | | | | | | | |
| 1 | Pitch | -24~+24 | 40-88 | | • | | |
| 2 | Initial Delay | 0~127 | 0-127 | table#7 | • | | |

MU50 Effect Parameter List

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|---------------------------|-------------------------|---------------------|--------|-----------|------|------|---------|
| 3 | Fine 1 | -50~+50 | 14-114 | | • | | |
| 4 | Fine 2 | -50~+50 | 14-114 | | • | | |
| 5 | Feedback Gain | -99~+99% | 1-127 | | • | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | | • |
| 11 | Pan 1 | L63~R63 | 1-127 | | • | | |
| 12 | Output Level 1 | 0~127 | 0-127 | | • | | |
| 13 | Pan 2 | L63~R63 | 1-127 | | • | | |
| 14 | Output Level 2 | 0~127 | 0-127 | | • | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| AURAL EXICETER | | | | | | | |
| 1 | HPF cutoff | 500Hz~16.0kHz | 28-58 | | • | | |
| 2 | Drive | 0~127 | 0-127 | | • | | |
| 3 | Mix Level | 0~127 | 0-127 | | • | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| TOUCH WAH,WAH+DIST | | | | | | | |
| 1 | Sensitive | 0~127 | 0-127 | | • | | |
| 2 | Cutoff Frequency Offset | 0~127 | 0-127 | | • | | • |
| 3 | Resonance | 1.0~12.0 | 10-120 | | • | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | EQ Low Frequency | 32Hz~2.0kHz | 4-40 | table#3 | • | | |
| 7 | EQ Low Gain | -12~+12dB | 52-76 | | • | | |
| 8 | EQ High Frequency | 500Hz~16.0kHz | 28-58 | table#3 | • | | |
| 9 | EQ High Gain | -12~+12dB | 52-76 | | • | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | | |
| 11 | Drive | 0~127 | 0-127 | | • | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| COMPRESSOR | | | | | | | |
| 1 | Attack | 1~40ms | 0-19 | table#8 | • | | |
| 2 | Release | 10~680ms | 0-15 | table#9 | • | | |
| 3 | Threshold | -48~-6dB | 79-121 | | • | | |
| 4 | Ratio | 1.0~20.0 | 0-7 | table#10 | • | | |
| 5 | Output Level | 0~127 | 0-127 | | • | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| NOISE GATE | | | | | | | |
| 1 | Attack | 1~40ms | 0-19 | table#8 | • | | |
| 2 | Release | 10~680ms | 0-15 | table#9 | • | | |
| 3 | Threshold | -72~-30dB | 55-97 | | • | | |
| 4 | Output Level | 0~127 | 0-127 | | • | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | Ratio | 1.0~5.0 | 0-7 | | • | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |

MU50 Effect Parameter List

| No. | Parameter | Display | Value | See Table | MU80 | MU50 | Control |
|--------------------|----------------|---------------------|-------|-----------|-------|--------------------|---------|
| WHITE ROOM | | | | | | | |
| TUNNEL | | | | | | | |
| CANYON (MU80 Only) | | | | | | | |
| BASEMENT | | | | | | | |
| 1 | Reverb Time | 0.3~30.0s | 0-69 | table#4 | • | • | |
| 2 | Diffusion | 0~10 | 0-10 | | • | • | |
| 3 | Initial Delay | 0~63 | 0-63 | table#5 | • | • | |
| 4 | HPF Cutoff | Thru~8.0kHz | 0-52 | table#3 | • | • | |
| 5 | LPF Cutoff | 1.0k~Thru | 34-60 | table#3 | • | • | |
| 6 | Width | 0.5~10.2m | 0-37 | table#11 | • | • | |
| 7 | Height | 0.5~20.2m | 0-73 | table#11 | • | • | |
| 8 | Depth | 0.5~30.2m | 0-104 | table#11 | • | • | |
| 9 | Wall Vary | 0~30 | 0-30 | | • | • | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | Rev Delay | 0~63 | 0-63 | table#5 | • | • | |
| 12 | Density | 0~3 | 0-3 | | T 0-4 | *REV(0-4),VAR(0-3) | • |
| 13 | Er/Rev Balance | E63>R ~ E=R ~ E<R63 | 1-127 | | • | • | |
| 14 | High Damp | 0.1~1.0 | 1-10 | | • | | |
| 15 | Feedback Level | -63~+63 | 1-127 | | | • | |
| 16 | | | | | | | |
| KARAOKE1,2,3 | | | | | | | |
| 1 | Delay Time | 0~127 | 0-127 | table#7 | • | • | |
| 2 | Feedback Level | -63~+63 | 1-127 | | • | • | |
| 3 | HPF Cutoff | Thru~8.0kHz | 0-52 | | • | • | |
| 4 | LPF Cutoff | 1.0k~Thru | 34-60 | | • | • | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | Dry/Wet | D63>W ~ D=W ~ D<W63 | 1-127 | | • | • | • |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |

Changes from the MU80

Delete tables #8,#9,#10(comp attack time,comp release time, comp ratio).

Exchange table#1 with updated table

table#1
LFO Frequency

| Data | Value | Data | Value |
|------|-------|------|-------|
| 0 | 0 | 64 | 2.69 |
| 1 | 0.04 | 65 | 2.77 |
| 2 | 0.08 | 66 | 2.86 |
| 3 | 0.12 | 67 | 2.94 |
| 4 | 0.16 | 68 | 3.02 |
| 5 | 0.21 | 69 | 3.11 |
| 6 | 0.25 | 70 | 3.19 |
| 7 | 0.29 | 71 | 3.28 |
| 8 | 0.33 | 72 | 3.36 |
| 9 | 0.37 | 73 | 3.44 |
| 10 | 0.42 | 74 | 3.53 |
| 11 | 0.46 | 75 | 3.61 |
| 12 | 0.50 | 76 | 3.70 |
| 13 | 0.54 | 77 | 3.86 |
| 14 | 0.58 | 78 | 4.03 |
| 15 | 0.63 | 79 | 4.20 |
| 16 | 0.67 | 80 | 4.37 |
| 17 | 0.71 | 81 | 4.54 |
| 18 | 0.75 | 82 | 4.71 |
| 19 | 0.79 | 83 | 4.87 |
| 20 | 0.84 | 84 | 5.04 |
| 21 | 0.88 | 85 | 5.21 |
| 22 | 0.92 | 86 | 5.38 |
| 23 | 0.96 | 87 | 5.55 |
| 24 | 1.00 | 88 | 5.72 |
| 25 | 1.05 | 89 | 6.05 |
| 26 | 1.09 | 90 | 6.39 |
| 27 | 1.13 | 91 | 6.72 |
| 28 | 1.17 | 92 | 7.06 |
| 29 | 1.22 | 93 | 7.40 |
| 30 | 1.26 | 94 | 7.73 |
| 31 | 1.30 | 95 | 8.07 |
| 32 | 1.34 | 96 | 8.41 |
| 33 | 1.38 | 97 | 8.74 |
| 34 | 1.43 | 98 | 9.08 |
| 35 | 1.47 | 99 | 9.42 |
| 36 | 1.51 | 100 | 9.75 |
| 37 | 1.55 | 101 | 10.0 |
| 38 | 1.59 | 102 | 10.7 |
| 39 | 1.64 | 103 | 11.4 |
| 40 | 1.68 | 104 | 12.1 |
| 41 | 1.72 | 105 | 12.7 |
| 42 | 1.76 | 106 | 13.4 |
| 43 | 1.80 | 107 | 14.1 |
| 44 | 1.85 | 108 | 14.8 |
| 45 | 1.89 | 109 | 15.4 |
| 46 | 1.93 | 110 | 16.1 |
| 47 | 1.97 | 111 | 16.8 |
| 48 | 2.01 | 112 | 17.5 |
| 49 | 2.06 | 113 | 18.1 |
| 50 | 2.10 | 114 | 19.5 |
| 51 | 2.14 | 115 | 20.8 |
| 52 | 2.18 | 116 | 22.2 |
| 53 | 2.22 | 117 | 23.5 |
| 54 | 2.27 | 118 | 24.8 |
| 55 | 2.31 | 119 | 26.2 |
| 56 | 2.35 | 120 | 27.5 |
| 57 | 2.39 | 121 | 28.9 |
| 58 | 2.43 | 122 | 30.2 |
| 59 | 2.48 | 123 | 31.6 |
| 60 | 2.52 | 124 | 32.9 |
| 61 | 2.56 | 125 | 34.3 |
| 62 | 2.60 | 126 | 37.0 |
| 63 | 2.65 | 127 | 39.7 |

table#2
Modulation Delay Offset

| Data | Value | Data | Value |
|------|-------|------|-------|
| 0 | 0.0 | 64 | 6.4 |
| 1 | 0.1 | 65 | 6.5 |
| 2 | 0.2 | 66 | 6.6 |
| 3 | 0.3 | 67 | 6.7 |
| 4 | 0.4 | 68 | 6.8 |
| 5 | 0.5 | 69 | 6.9 |
| 6 | 0.6 | 70 | 7.0 |
| 7 | 0.7 | 71 | 7.1 |
| 8 | 0.8 | 72 | 7.2 |
| 9 | 0.9 | 73 | 7.3 |
| 10 | 1.0 | 74 | 7.4 |
| 11 | 1.1 | 75 | 7.5 |
| 12 | 1.2 | 76 | 7.6 |
| 13 | 1.3 | 77 | 7.7 |
| 14 | 1.4 | 78 | 7.8 |
| 15 | 1.5 | 79 | 7.9 |
| 16 | 1.6 | 80 | 8.0 |
| 17 | 1.7 | 81 | 8.1 |
| 18 | 1.8 | 82 | 8.2 |
| 19 | 1.9 | 83 | 8.3 |
| 20 | 2.0 | 84 | 8.4 |
| 21 | 2.1 | 85 | 8.5 |
| 22 | 2.2 | 86 | 8.6 |
| 23 | 2.3 | 87 | 8.7 |
| 24 | 2.4 | 88 | 8.8 |
| 25 | 2.5 | 89 | 8.9 |
| 26 | 2.6 | 90 | 9.0 |
| 27 | 2.7 | 91 | 9.1 |
| 28 | 2.8 | 92 | 9.2 |
| 29 | 2.9 | 93 | 9.3 |
| 30 | 3.0 | 94 | 9.4 |
| 31 | 3.1 | 95 | 9.5 |
| 32 | 3.2 | 96 | 9.6 |
| 33 | 3.3 | 97 | 9.7 |
| 34 | 3.4 | 98 | 9.8 |
| 35 | 3.5 | 99 | 9.9 |
| 36 | 3.6 | 100 | 10.0 |
| 37 | 3.7 | 101 | 11.1 |
| 38 | 3.8 | 102 | 12.2 |
| 39 | 3.9 | 103 | 13.3 |
| 40 | 4.0 | 104 | 14.4 |
| 41 | 4.1 | 105 | 15.5 |
| 42 | 4.2 | 106 | 17.1 |
| 43 | 4.3 | 107 | 18.6 |
| 44 | 4.4 | 108 | 20.2 |
| 45 | 4.5 | 109 | 21.8 |
| 46 | 4.6 | 110 | 23.3 |
| 47 | 4.7 | 111 | 24.9 |
| 48 | 4.8 | 112 | 26.5 |
| 49 | 4.9 | 113 | 28.0 |
| 50 | 5.0 | 114 | 29.6 |
| 51 | 5.1 | 115 | 31.2 |
| 52 | 5.2 | 116 | 32.8 |
| 53 | 5.3 | 117 | 34.3 |
| 54 | 5.4 | 118 | 35.9 |
| 55 | 5.5 | 119 | 37.5 |
| 56 | 5.6 | 120 | 39.0 |
| 57 | 5.7 | 121 | 40.6 |
| 58 | 5.8 | 122 | 42.2 |
| 59 | 5.9 | 123 | 43.7 |
| 60 | 6.0 | 124 | 45.3 |
| 61 | 6.1 | 125 | 46.9 |
| 62 | 6.2 | 126 | 48.4 |
| 63 | 6.3 | 127 | 50.0 |

table#3
EQ Frequency

| Data | Value |
|------|-------------|
| 8 | 50 |
| 9 | 56 |
| 10 | 63 |
| 11 | 70 |
| 12 | 80 |
| 13 | 90 |
| 14 | 100 |
| 15 | 110 |
| 16 | 125 |
| 17 | 140 |
| 18 | 160 |
| 19 | 180 |
| 20 | 200 |
| 21 | 225 |
| 22 | 250 |
| 23 | 280 |
| 24 | 315 |
| 25 | 355 |
| 26 | 400 |
| 27 | 450 |
| 28 | 500 |
| 29 | 560 |
| 30 | 630 |
| 31 | 700 |
| 32 | 800 |
| 33 | 900 |
| 34 | 1.0k |
| 35 | 1.1k |
| 36 | 1.2k |
| 37 | 1.4k |
| 38 | 1.6k |
| 39 | 1.8k |
| 40 | 2.0k |
| 41 | 2.2k |
| 42 | 2.5k |
| 43 | 2.8k |
| 44 | 3.2k |
| 45 | 3.6k |
| 46 | 4.0k |
| 47 | 4.5k |
| 48 | 5.0k |
| 49 | 5.6k |
| 50 | 6.3k |
| 51 | 7.0k |
| 52 | 8.0k |
| 53 | 9.0k |
| 54 | 10.0k |
| 55 | 11.0k |
| 56 | 12.0k |
| 57 | 14.0k |
| 58 | 16.0k |
| 59 | 18.0k |
| 60 | THRU(20.0k) |

table#4
Reverb time

| Data | Value | Data | Value |
|------|-------|------|-------|
| 0 | 0.3 | 64 | 17.0 |
| 1 | 0.4 | 65 | 18.0 |
| 2 | 0.5 | 66 | 19.0 |
| 3 | 0.6 | 67 | 20.0 |
| 4 | 0.7 | 68 | 25.0 |
| 5 | 0.8 | 69 | 30.0 |
| 6 | 0.9 | | |
| 7 | 1.0 | | |
| 8 | 1.1 | | |
| 9 | 1.2 | | |
| 10 | 1.3 | | |
| 11 | 1.4 | | |
| 12 | 1.5 | | |
| 13 | 1.6 | | |
| 14 | 1.7 | | |
| 15 | 1.8 | | |
| 16 | 1.9 | | |
| 17 | 2.0 | | |
| 18 | 2.1 | | |
| 19 | 2.2 | | |
| 20 | 2.3 | | |
| 21 | 2.4 | | |
| 22 | 2.5 | | |
| 23 | 2.6 | | |
| 24 | 2.7 | | |
| 25 | 2.8 | | |
| 26 | 2.9 | | |
| 27 | 3.0 | | |
| 28 | 3.1 | | |
| 29 | 3.2 | | |
| 30 | 3.3 | | |
| 31 | 3.4 | | |
| 32 | 3.5 | | |
| 33 | 3.6 | | |
| 34 | 3.7 | | |
| 35 | 3.8 | | |
| 36 | 3.9 | | |
| 37 | 4.0 | | |
| 38 | 4.1 | | |
| 39 | 4.2 | | |
| 40 | 4.3 | | |
| 41 | 4.4 | | |
| 42 | 4.5 | | |
| 43 | 4.6 | | |
| 44 | 4.7 | | |
| 45 | 4.8 | | |
| 46 | 4.9 | | |
| 47 | 5.0 | | |
| 48 | 5.5 | | |
| 49 | 6.0 | | |
| 50 | 6.5 | | |
| 51 | 7.0 | | |
| 52 | 7.5 | | |
| 53 | 8.0 | | |
| 54 | 8.5 | | |
| 55 | 9.0 | | |
| 56 | 9.5 | | |
| 57 | 10.0 | | |
| 58 | 11.0 | | |
| 59 | 12.0 | | |
| 60 | 13.0 | | |
| 61 | 14.0 | | |
| 62 | 15.0 | | |
| 63 | 16.0 | | |

table#5
Delay Time(200.0ms)

| Data | Value | Data | Value |
|------|-------|------|-------|
| 0 | 0.1 | 64 | 100.8 |
| 1 | 1.7 | 65 | 102.4 |
| 2 | 3.2 | 66 | 104.0 |
| 3 | 4.8 | 67 | 105.6 |
| 4 | 6.4 | 68 | 107.1 |
| 5 | 8.0 | 69 | 108.7 |
| 6 | 9.5 | 70 | 110.3 |
| 7 | 11.1 | 71 | 111.9 |
| 8 | 12.7 | 72 | 113.4 |
| 9 | 14.3 | 73 | 115.0 |
| 10 | 15.8 | 74 | 116.6 |
| 11 | 17.4 | 75 | 118.2 |
| 12 | 19.0 | 76 | 119.7 |
| 13 | 20.6 | 77 | 121.3 |
| 14 | 22.1 | 78 | 122.9 |
| 15 | 23.7 | 79 | 124.4 |
| 16 | 25.3 | 80 | 126.0 |
| 17 | 26.9 | 81 | 127.6 |
| 18 | 28.4 | 82 | 129.2 |
| 19 | 30.0 | 83 | 130.7 |
| 20 | 31.6 | 84 | 132.3 |
| 21 | 33.2 | 85 | 133.9 |
| 22 | 34.7 | 86 | 135.5 |
| 23 | 36.3 | 87 | 137.0 |
| 24 | 37.9 | 88 | 138.6 |
| 25 | 39.5 | 89 | 140.2 |
| 26 | 41.0 | 90 | 141.8 |
| 27 | 42.6 | 91 | 143.3 |
| 28 | 44.2 | 92 | 144.9 |
| 29 | 45.7 | 93 | 146.5 |
| 30 | 47.3 | 94 | 148.1 |
| 31 | 48.9 | 95 | 149.6 |
| 32 | 50.5 | 96 | 151.2 |
| 33 | 52.0 | 97 | 152.8 |
| 34 | 53.6 | 98 | 154.4 |
| 35 | 55.2 | 99 | 155.9 |
| 36 | 56.8 | 100 | 157.5 |
| 37 | 58.3 | 101 | 159.1 |
| 38 | 59.9 | 102 | 160.6 |
| 39 | 61.5 | 103 | 162.2 |
| 40 | 63.1 | 104 | 163.8 |
| 41 | 64.6 | 105 | 165.4 |
| 42 | 66.2 | 106 | 166.9 |
| 43 | 67.8 | 107 | 168.5 |
| 44 | 69.4 | 108 | 170.1 |
| 45 | 70.9 | 109 | 171.7 |
| 46 | 72.5 | 110 | 173.2 |
| 47 | 74.1 | 111 | 174.8 |
| 48 | 75.7 | 112 | 176.4 |
| 49 | 77.2 | 113 | 178.0 |
| 50 | 78.8 | 114 | 179.5 |
| 51 | 80.4 | 115 | 181.1 |
| 52 | 81.9 | 116 | 182.7 |
| 53 | 83.5 | 117 | 184.3 |
| 54 | 85.1 | 118 | 185.8 |
| 55 | 86.7 | 119 | 187.4 |
| 56 | 88.2 | 120 | 189.0 |
| 57 | 89.8 | 121 | 190.6 |
| 58 | 91.4 | 122 | 192.1 |
| 59 | 93.0 | 123 | 193.7 |
| 60 | 94.5 | 124 | 195.3 |
| 61 | 96.1 | 125 | 196.9 |
| 62 | 97.7 | 126 | 198.4 |
| 63 | 99.3 | 127 | 200.0 |

table#6
Room Size

| Data | Value |
|------|-------|
| 0 | 0.1 |
| 1 | 0.3 |
| 2 | 0.4 |
| 3 | 0.6 |
| 4 | 0.7 |
| 5 | 0.9 |
| 6 | 1.0 |
| 7 | 1.2 |
| 8 | 1.4 |
| 9 | 1.5 |
| 10 | 1.7 |
| 11 | 1.8 |
| 12 | 2.0 |
| 13 | 2.1 |
| 14 | 2.3 |
| 15 | 2.5 |
| 16 | 2.6 |
| 17 | 2.8 |
| 18 | 2.9 |
| 19 | 3.1 |
| 20 | 3.2 |
| 21 | 3.4 |
| 22 | 3.5 |
| 23 | 3.7 |
| 24 | 3.9 |
| 25 | 4.0 |
| 26 | 4.2 |
| 27 | 4.3 |
| 28 | 4.5 |
| 29 | 4.6 |
| 30 | 4.8 |
| 31 | 5.0 |
| 32 | 5.1 |
| 33 | 5.3 |
| 34 | 5.4 |
| 35 | 5.6 |
| 36 | 5.7 |
| 37 | 5.9 |
| 38 | 6.1 |
| 39 | 6.2 |
| 40 | 6.4 |
| 41 | 6.5 |
| 42 | 6.7 |
| 43 | 6.8 |
| 44 | 7.0 |

table#7
Delay Time(400.0ms)

| Data | Value | Data | Value |
|------|-------|------|-------|
| 0 | 0.1 | 64 | 201.6 |
| 1 | 3.2 | 65 | 204.8 |
| 2 | 6.4 | 66 | 207.9 |
| 3 | 9.5 | 67 | 211.1 |
| 4 | 12.7 | 68 | 214.2 |
| 5 | 15.8 | 69 | 217.4 |
| 6 | 19.0 | 70 | 220.5 |
| 7 | 22.1 | 71 | 223.7 |
| 8 | 25.3 | 72 | 226.8 |
| 9 | 28.4 | 73 | 230.0 |
| 10 | 31.6 | 74 | 233.1 |
| 11 | | | |

MU50 EFFECT TYPE

REVERB TYPE

The following effect types are required under XG.

11typ

| TYPE MSB | | TYPE LSB | | | | |
|----------|-----|----------------|------------|-----------|-----|----|
| DEC | HEX | 00 | 01 | 02 | ... | 08 |
| 000 | 0 | [0] NO EFFECT | | | | |
| 001 | 1 | [1] HALL1 | [2] HALL2 | | | |
| 002 | 2 | [3] ROOM1 | [4] ROOM2 | [5] ROOM3 | | |
| 003 | 3 | [6] STAGE1 | [7] STAGE2 | | | |
| 004 | 4 | [8] PLATE | | | | |
| 005 | 5 | NO EFFECT | | | | |
| : | : | : | | | | |
| 015 | F | NO EFFECT | | | | |
| 016 | 10 | [9] WHITE ROOM | | | | |
| 017 | 11 | [10] TUNNEL | | | | |
| 018 | 12 | NO EFFECT | | | | |
| 019 | 13 | [11] BASEMENT | | | | |
| 020 | 14 | NO EFFECT | | | | |
| : | : | : | | | | |
| 127 | 7F | NO EFFECT | | | | |

NO EFFECT
same as BASIC EFFECT(LSB=0)

CHORUS TYPE

11type

| TYPE MSB | | TYPE LSB | | | | |
|----------|-----|---------------|----------------|--------------|-----|---------------|
| DEC | HEX | 00 | 01 | 02 | ... | 08 |
| 000 | 0 | [0] NO EFFECT | | | | |
| 001 | 1 | NO EFFECT | | | | |
| : | : | : | | | | |
| 064 | 40 | NO EFFECT | | | | |
| 065 | 41 | [1] CHORUS1 | [2] CHORUS2 | [3] CHORUS3 | | [4] CHORUS4 |
| 066 | 42 | [5] CELESTE1 | [6] CELESTE2 | [7] CELESTE3 | | [8] CELESTE4 |
| 067 | 43 | [9] FLANGER 1 | [10] FLANGER 2 | | | [11] FLANGER3 |
| 068 | 44 | NO EFFECT | | | | |
| : | : | : | | | | |
| 127 | 7F | NO EFFECT | | | | |

NO EFFECT
same as BASIC EFFECT(LSB=0)

VARIATION TYPE(0-63)

42type

| TYPE MSB | | TYPE LSB | | | | |
|----------|-----|-------------------|---------------|---------------|-----|----|
| DEC | HEX | 00 | 01 | 02 | ... | 08 |
| 000 | 0 | [0] NO EFFECT | | | | |
| 001 | 1 | [1] HALL1 | [2] HALL2 | | | |
| 002 | 2 | [3] ROOM1 | [4] ROOM2 | [5] ROOM3 | | |
| 003 | 3 | [6] STAGE1 | [7] STAGE2 | | | |
| 004 | 4 | [8] PLATE | | | | |
| 005 | 5 | [9] DELAY L,C,R | | | | |
| 006 | 6 | [10] DELAY L,R | | | | |
| 007 | 7 | [11] ECHO | | | | |
| 008 | 8 | [12] CROSS DELAY | | | | |
| 009 | 9 | [13] ER1 | [14] ER2 | | | |
| 010 | A | [15] GATE REVERB | | | | |
| 011 | B | [16] REVERSE GATE | | | | |
| 012 | C | NO EFFECT or THRU | | | | |
| : | : | : | | | | |
| 019 | 13 | NO EFFECT or THRU | | | | |
| 020 | 14 | [17] KARAOKE1 | [18] KARAOKE2 | [19] KARAOKE3 | | |
| 021 | 15 | NO EFFECT or THRU | | | | |
| : | : | : | | | | |
| 063 | 3F | NO EFFECT or THRU | | | | |

NO EFFECT (for SYS) or THRU (for INS)
same as BASIC EFFECT (LSB=0)

VARIATION TYPE(64-127)

| TYPE MSB | | TYPE LSB | | | | |
|----------|-----|------------------------|----------------|---------------|-----|---------------|
| DEC | HEX | 00 | 01 | 02 | ... | 08 |
| 064 | 40 | [43] THRU | | | | |
| 065 | 41 | [20] CHORUS1 | [21] CHORUS2 | [22] CHORUS3 | | [23] CHORUS4 |
| 066 | 42 | [24] CELESTE1 | [25] CELESTE2 | [26] CELESTE3 | | [27] CELESTE4 |
| 067 | 43 | [28] FLANGER 1 | [29] FLANGER 2 | | | [30] FLANGER3 |
| 068 | 44 | [31] SYMPHONIC | | | | |
| 069 | 45 | [32] ROTARY SPEAKER | | | | |
| 070 | 46 | [33] TREMOLO | | | | |
| 071 | 47 | [34] AUTO PAN | | | | |
| 072 | 48 | [35] PHASER1 | | | | [36] PHASER2 |
| 073 | 49 | [37] DISTORTION | | | | |
| 074 | 4A | [38] OVER DRIVE | | | | |
| 075 | 4B | [39] AMP SIMULATOR | | | | |
| 076 | 4C | [40] 3-BAND EQ(MONO) | | | | |
| 077 | 4D | [41] 2-BAND EQ(STEREO) | | | | |
| 078 | 4E | [42] AUTO WAH(LFO) | | | | |
| 079 | 4F | THRU | | | | |
| : | : | : | | | | |
| 127 | 7F | THRU | | | | |

THRU
same as BASIC EFFECT (LSB=0)

1. Channel messages

1.1 Key on / Key off

Reception note range = C-2~G8

Velocity range = 1~127 (Velocity is received only for Note Off)

Not received by a Part for which the Multi Part parameter Rcv NOTE MESSAGE = OFF

Not received by a Rhythm Part for which Rcv NOTE OFF = OFF

Key On is not received by a Rhythm Part for which Rcv NOTE ON = OFF

1.2 Control change

Control Changes are not received by a Part for which the Multi Part parameter Rcv CONTROL CHANGE = OFF

1.2.1 Bank Select

| Cntrl# | parameter | Data Range |
|--------|-----------------|--------------------------------|
| 0 | Bank Select MSB | 0:Normal, 64:SFX, 126-127:Drum |
| 32 | Bank Select LSB | 0..127 |

Bank Select processing is suspended until a Program Change is received. When Sound Module Mode = C/M, all Bank Select messages are ignored.

1.2.2 Modulation

| Cntrl# | parameter | Data Range |
|--------|------------|------------|
| 1 | Modulation | 0..127 |

When the Multi Part parameter Rcv MODULATION = OFF, that Part will not receive Modulation messages.

1.2.3 Portamento Time

| Cntrl# | parameter | Data Range |
|--------|-----------------|------------|
| 5 | Portamento Time | 0..127 |

When the parameter 1.2.9 Portamento = ON, this adjusts the speed of pitch change. A setting of 0 is minimum portamento time, and 127 is longest portamento time.

1.2.4 Data Entry

| Cntrl# | parameter | Data Range |
|--------|----------------|------------|
| 6 | Data Entry MSB | 0..127 |
| 38 | Data Entry LSB | 0..127 |

Use this to set the value of the parameter specified by RPN and NRPn.

1.2.5 Main Volume

| Cntrl# | parameter | Data Range |
|--------|-------------|------------|
| 7 | Main Volume | 0..127 |

When the Multi Part parameter Rcv VOLUME = OFF, that Part will not receive Volume messages.

1.2.6 Pan

| Cntrl# | parameter | Data Range |
|--------|-----------|------------|
| 10 | Pan | 0..127 |

0 is left, 127 is right.

When the Multi Part parameter Rcv PAN = OFF, that Part will not receive Pan messages.

1.2.7 Expression

| Cntrl# | parameter | Data Range |
|--------|------------|------------|
| 11 | Expression | 0..127 |

When the Multi Part parameter Rcv EXPRESSION = OFF, that Part will not receive Expression messages.

1.2.8 Hold1

| Cntrl# | parameter | Data Range |
|--------|-----------|---------------------------------|
| 64 | Hold1 | 0..127 (0-63:off, 64-127:on) |

When the Multi Part parameter Rcv HOLD1 = OFF, that Part will not receive Hold1 messages.

1.2.9 Portamento

| Cntrl# | parameter | Data Range |
|--------|------------|---------------------------------|
| 65 | Portamento | 0..127 (0-63:off, 64-127:on) |

When the Multi Part parameter Rcv PORTAMENTO = OFF, that Part will not receive Portamento messages.

1.2.10 Sostenuto

| Cntrl# | parameter | Data Range |
|--------|-----------|---------------------------------|
| 66 | Sostenuto | 0..127 (0-63:off, 64-127:on) |

When the Multi Part parameter Rcv SOSTENUTO = OFF, that Part will not receive Sostenuto messages.

1.2.11 Soft Pedal

| Cntrl# | parameter | Data Range |
|--------|------------|---------------------------------|
| 67 | Soft Pedal | 0..127 (0-63:off, 64-127:on) |

When the Multi Part parameter Rcv SOFT PEDAL = OFF, that Part will not receive Soft Pedal messages.

1.2.12 Harmonic Content

| Cntrl# | parameter | Data Range |
|--------|------------------|-----------------------------------|
| 71 | Harmonic Content | 0..127 (0:-64, 64:+0, 127:+63) |

This message adjusts the resonance specified by the voice data. Since this is a relative change parameter, specify the increase or decrease relative to a center value of 64. Higher values will result in a more characteristic sound.

Depending on the voice, the range of effect may be narrower than the range available for setting.

1.2.13 Release Time

| Cntrl# | parameter | Data Range |
|--------|--------------|-----------------------------------|
| 72 | Release Time | 0..127 (0:-64, 64:+0, 127:+63) |

This message adjusts the envelope release time specified by the voice data. Since this is a relative change parameter, specify an increase or decrease relative to a center value of 64.

1.2.14 Attack Time

| Cntrl# | parameter | Data Range |
|--------|-------------|-----------------------------------|
| 73 | Attack Time | 0..127 (0:-64, 64:+0, 127:+63) |

This message adjusts the envelope attack time specified by the voice data. Since this is a relative change parameter, specify an increase or decrease relative to a central value of 64.

1.2.15 Brightness

| Cntrl# | parameter | Data Range |
|--------|------------|-----------------------------------|
| 74 | Brightness | 0..127 (0:-64, 64:+0, 127:+63) |

This message adjusts the cutoff frequency specified by the voice data. Since this is a relative change parameter, specify an increase or decrease relative to a central value of 64. Lower values will result in a softer sound.

For some voices, the range of effect may be narrower than the range available for adjustment.

1.2.16 Portamento Control

| Cntrl# | parameter | Data Range |
|--------|--------------------|------------|
| 84 | Portamento Control | 0..127 |

Portamento Control is transmitted specifying the Note On Key of currently-sounding note.

Specify a Portamento Source Key number of 0~127. When a Portamento Control message is received, the currently sounding pitch will change with a Portamento Time of 0 to the key of the next-received Note On on the same channel.

This message is received even if Rcv PORTAMENTO = OFF

1.2.17 Effect1 Depth (Reverb Send Level)

| Cntrl# | parameter | Data Range |
|--------|---------------|------------|
| 91 | Effect1 Depth | 0..127 |

This message sets the send level for the reverb effect.

1.2.18 Effect3 Depth (Chorus Send Level)

| Cntrl# | parameter | Data Range |
|--------|---------------|------------|
| 93 | Effect3 Depth | 0..127 |

This message sets the send level for the chorus effect.

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1.2.19 Effect4 Depth (Variation Effect Send Level)

| Cntrl# | parameter | Data Range |
|--------|---------------|---|
| 94 | Effect4 Depth | 0...127(when Variation Connection = 1 (System)) |

This message sets the send level for the Variation effect.
If Variation Connection = 0(Insertion), this has no effect.

1.2.20 Data Increment / Decrement (for RPN)

| Cntrl# | parameter | Data Range |
|--------|---------------|------------|
| 96 | RPN Increment | 0...127 |
| 97 | RPN Decrement | 0...127 |

The data byte is ignored.

These messages increase or decrease the MSB value of Pitch Bend Sensitivity, Fine Tune, or Coarse Tune in steps of 1.

When the maximum value or minimum value is reached, the value will not be incremented or decremented further.

(Incrementing the Fine Tune will not cause the Coarse Tune to be stepped up.)

1.2.21 NRPN (Non-Registered Parameter Number)

| Cntrl# | parameter | Data Range |
|--------|-----------|------------|
| 98 | NRPN LSB | 0...127 |
| 99 | NRPN MSB | 0...127 |

When the Multi Part parameter Rcv NRPN = OFF, that Part will not receive NRPN messages.

First send the NRPN MSB and NRPN LSB to specify the parameter which is to be controlled. Then

use Data Entry to set the value of the specified parameter.

The following NRPN numbers can be received.

| NRPN | Data entry | Parameter name and value range |
|---------|------------|--|
| MSB LSB | MSB | |
| S01 | S08 \$mm | Vibrato Rate mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S09 \$mm | Vibrato Depth mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S0A \$mm | Vibrato Delay mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S20 \$mm | Filter Cutoff Frequency mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S21 \$mm | Filter Resonance mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S63 \$mm | EG Attack Time mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S64 \$mm | EG Decay Time mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S01 | S66 \$mm | EG Release Time mm : \$00 - \$40 - \$7F (-64 - 0 - +63) |
| S14 | Srr \$mm | Drum Filter Cutoff Frequency mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number |
| S15 | Srr \$mm | Drum Filter Resonance mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number |
| S16 | Srr \$mm | Drum EG Attack Rate mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number |
| S17 | Srr \$mm | Drum EG Decay Rate mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number Applies to both Decay1 and 2. |
| S18 | Srr \$mm | Drum Instrument Pitch Coarse mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number |
| S19 | Srr \$mm | Drum Instrument Pitch Fine mm : \$00 - \$40 - \$7F (-64 - 0 - +63) rr : drum instrument note number |
| S1A | \$rr \$mm | Drum Instrument Level mm : \$00 - \$7F (0 - max) rr : drum instrument note number |

S1C Srr \$mm Drum Instrument Pan
mm : \$00 - \$40 - \$7F (random, left - center - right)
rr : drum instrument note number

S1D Srr \$mm Drum Instrument Reverb Send Level
mm : \$00 - \$7F (0 - max)
rr : drum instrument note number

S1E Srr \$mm Drum Instrument Chorus Send Level
mm : \$00 - \$7F (0 - max)
rr : drum instrument note number

S1F Srr \$mm Drum Instrument Variation Send Level
mm : \$00 - \$7F (0 - max)
rr : drum instrument note number

MSB 14h-1Fh(for Drum)is valid only when that channel is in Drum mode and Drum Setup 1 or 2 is selected.

1.2.22 RPN (Registered Parameter Number)

| Cntrl# | parameter | Data Range |
|--------|-----------|------------|
| 100 | RPN LSB | 0...127 |
| 101 | RPN MSB | 0...127 |

Default:7F 7FH

When the Multi Part parameter Rcv RPN = OFF, that Part will not receive these messages.

The following RPN numbers can be received.

| RPN | Data entry | Parameter name and value range |
|---------|------------|---|
| MSB LSB | MSB LSB | |
| 00H 00H | mmH — | Pitch Bend Sensitivity mm:00-18H(0-2 chromatic steps) Settable in chromatic steps up to 2 octaves Default:02H LSB value is ignored. |
| 00H 01H | mmH 11H | Fine Tuning mm:00H-40H-7FH(-64-0-+63) |
| 00H 02H | mmH — | Coarse Tuning mm:28H - 40H - 58H(-24 - +24 chromatic steps) LSB value is ignored. |
| 7FH 7FH | — — | RPN null Set condition in which RPN and NRPN numbers are not specified. Internally set values are not affected. |

1.2.23 Channel Mode Messages

The following Channel Mode Messages are received.

| 2nd byte | 3rd byte | |
|----------|----------|-----------------------|
| 120 | 0 | All Sound Off |
| 121 | 0 | Reset All Controllers |
| 123 | 0 | All Note Off |
| 124 | 0 | Omni Off |
| 125 | 0 | Omni On |
| 126 | 0 ~ 16 | Mono |
| 127 | 0 | Poly |

1.2.23.1 All Sound Off

Turn off all sounds currently sounding on the specified channel.
However the status of channel messages such as Note On and Hold On is maintained.

1.2.23.2 Reset All Controllers

The values of the following controllers will change.

| Controller | Value |
|-------------------------|--|
| Pitch Bend | ±0 (center) |
| Channel Pressure | 0 (off) |
| Polyphonic Key Pressure | 0 (off) |
| Modulation | 0 (off) |
| Expression | 127 (max) |
| Hold | 0 (off) |
| Portamento | 0 (off) |
| Sostenuto | 0 (off) |
| Soft Pedal | 0 (off) |
| Portamento Control | resets the Portamento Source Note Number that was received |
| RPN | number not specified; internal data will not change |
| NRPN | number not specified; internal data will not change |

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1.2.23.3 All Note Off

This message turns off all notes currently on for the specified channel. However if Hold 1 or Sostenuto are on, notes will continue sounding until these are turned off.

1.2.23.4 Omni Off

Perform the same processing as when All Note Off is received.

1.2.23.5 Omni On

Perform the same processing as when All Note Off is received.

1.2.23.6 Mono

Perform the same processing as when All Sound Off is received, and if the 3rd byte (mono number) is in the range of 0-16, set the applicable channel to Mode 4 (m = 1).

1.2.23.7 Poly

Perform the same processing as when All Sound Off is received, and set the applicable channel to Mode 3.

1.3 Program Change

If the Multi Part parameter Rcv PROGRAM CHANGE = OFF, that Part will not receive Program Changes.

If Sound Module Mode = C/M, all Program Changes for the Drum Voice Part are ignored.

1.4 Pitch Bend

If the Multi Part parameter Rcv PITCH BEND CHANGE = OFF, that Part will not receive Pitch Bend messages.

1.5 Channel Aftertouch

With the default setting there will be no function.

If the Multi Part parameter Rcv CHANNEL AFTER TOUCH = OFF, that Part will not receive Channel Aftertouch.

1.6 Polyphonic Aftertouch

With the default setting there will be no function.

If the Multi Part parameter Rcv POLYPHONIC AFTER TOUCH = OFF, that Part will not receive Polyphonic Aftertouch.

There will be an effect only for note numbers 36-97.

2. System Exclusive Messages

2.1 Parameter Changes

This device uses the following parameter changes.

[UNIVERSAL REALTIME MESSAGE]

1) Master Volume

[UNIVERSAL NON REALTIME MESSAGE]

1) General MIDI Mode On

2) Identity Request(INQUIRY MESSAGE)

3) Identity Reply(INQUIRY MESSAGE)

[XG NATIVE]

1) XG System on

2) XG System Data parameter change

3) System Information

4) Multi Effect1 Data parameter change

5) Display Data parameter change

6) Multi Part Data parameter change

7) Drums Setup Data parameter change

[MU80, MU50 NATIVE]

1) MU80, MU50 System data parameter change

2) Current Performance parameter change

3) Remote switch

[Other]

1) Master tuning

2) TG300 System Data Parameter change

3) TG300 Multi Effect Data parameter change

4) TG300 Multi Part Data parameter change

5) Disk Orchestra On

2.1.2 Universal Realtime Messages

2.1.2.1 Master Volume

| | | |
|----------|-----|------------------------------------|
| 11110000 | F0 | = Exclusive status |
| 01111111 | 7F | = Universal Real Time |
| 01111111 | 7F | = ID of target device |
| 00000100 | 04 | = Sub-ID #1=Device Control Message |
| 00000001 | 01 | = Sub-ID #2=Master Volume |
| 0sssssss | *SS | = Volume LSB |
| 0ttttttt | TT | = Volume MSB |
| 11110111 | F7 | = End of Exclusive |
| or, | | |
| 11110000 | F0 | = Exclusive status |
| 01111111 | 7F | = Universal Real Time |
| 0xxxxnnn | XN | = Device Number, xxx = don't care |
| 00000100 | 04 | = Sub-ID #1=Device Control Message |
| 00000001 | 01 | = Sub-ID #2=Master Volume |
| 0sssssss | SS | = Volume LSB |
| 0ttttttt | TT | = Volume MSB |
| 11110111 | F7 | = End of Exclusive |

When this is received, the Volume MSB will be reflected in the System Parameter MASTER VOLUME.

* SS is the hex expression of 0sssssss Same for others

2.1.3 Universal Non-Realtime Messages

2.1.3.1 General MIDI Mode On

| | | |
|----------|----|-----------------------------------|
| 11110000 | F0 | = Exclusive status |
| 01111110 | 7E | = Universal Non-Real Time |
| 01111111 | 7F | = ID of target device |
| 00001001 | 09 | = Sub-ID #1=General MIDI Message |
| 00000001 | 01 | = Sub-ID #2=General MIDI On |
| 11110111 | F7 | = End of Exclusive |
| or, | | |
| 11110000 | F0 | = Exclusive status |
| 01111110 | 7E | = Universal Non-Real Time |
| 0xxxxnnn | XN | = Device Number, xxx = don't care |
| 00001001 | 09 | = Sub-ID #1=General MIDI Message |
| 00000001 | 01 | = Sub-ID #2=General MIDI On |
| 11110111 | F7 | = End of Exclusive |

When On is received, the SOUND MODULE MODE will be changed to XG mode. Ignored when in C/M mode.

Not received when Rev GM EXCLUSIVE = OFF

Since approximately 50 ms is required to execute this message, leave an appropriate interval before the message that follows it.

2.1.3.2 Identity Request

| | | |
|----------|--------|-------------------------------|
| 11110000 | F0 | = Exclusive status |
| 01111110 | 7E | = Universal Non-Real Time |
| 0ccccccc | cccccc | = Device Number |
| 00000110 | 06 | = General Information |
| 00000001 | 01 | = Identity Request(Sub-ID #2) |
| 11110111 | F7 | = End of Exclusive |

When this message is received, this device will transmit the following 2.1.3.3 Identity Reply message.

2.1.3.3 Identity Reply

| | | |
|----------|----------|-----------------------------------|
| 11110000 | F0 | =Exclusive status |
| 11111110 | 7E | =Universal Non-Real Time |
| 0nnnnnnn | 0nnnnnnn | =Device Number |
| 00000110 | 06 | =General Information(Sub-ID #1) |
| 00000010 | 02 | =Device Identity Reply(Sub-ID #2) |
| 01000011 | 43 | =YAMAHA ID |
| 00000000 | 00 | =Device Family Code LSB MU50ID#1 |
| 01000001 | 41 | =Device Family Code MSB MU50ID#2 |
| 01000110 | 46 | =Device Number Code LSB MU50ID#3 |
| 00000001 | 01 | =Device Number Code MSB MU50ID#4 |
| 00000000 | 00 | |
| 00000000 | 00 | |
| 00000000 | 00 | |
| 00000000 | 00 | |
| 00000000 | 01 | =XG ID |
| 11110111 | F7 | =End of Exclusive |

This device transmits this message when it receives a 2.1.3.2 Identity Request message.

MU50 MIDI Data Format

2.1.4 XG Native Parameter Change

| | | |
|----------|---------|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0001nnnn | 1n | device Number |
| 01001100 | 4C | XG Model ID |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 0ddddddd | ddddddd | Data |
| | | |
| 11110111 | F7 | End of Exclusive |

For parameters whose data size is 2 or 4, transmit the appropriate number of data bytes.

2.1.4.1 XG System On

| | | |
|----------|----|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0001nnnn | 1N | device Number |
| 01001100 | 4C | XG Model ID |
| 0aaaaaaa | 00 | Address High |
| 0aaaaaaa | 00 | Address Mid |
| 0aaaaaaa | 7E | Address Low |
| 00000000 | 00 | Data |
| 11110111 | F7 | End of Exclusive |

When On is received, the SOUND MODULE MODE will change to XG. Since approximately 50 ms is required to execute this message, leave an appropriate interval before the message that follows it.

2.1.4.2 XG System Data parameter change

Refer to tables <1-1> and <1-2>.

2.1.4.3 System Information

Data transmission is performed in response to a Dump Request, but data reception is ignored.

Refer to tables <1-1> and <1-3>.

2.1.4.4 Multi Effect1 Data parameter change

Refer to tables <1-1> and <1-4>.

2.1.4.5 Display Data parameter change

Refer to tables <1-1> and <1-5>.

2.1.4.6 Multi Part Data parameter change

Refer to tables <1-1> and <1-6>.

2.1.4.7 Drums Setup Data parameter change

Refer to tables <1-1> and <1-7>.

If a DRUM SETUP RESET parameter change is received while in XG mode, the Drum Setup parameter values will be initialized.

In any mode, selecting a Drum Set will cause the Drum Setup parameter values to be initialized.

2.1.5 MU80, MU50 native parameter change

| | | |
|----------|---------|---------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0001nnnn | 1n | device Number |
| 01001001 | 49 | MU80, MU50 Model ID |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 0ddddddd | ddddddd | Data |
| | | |
| 11110111 | F7 | End of Exclusive |

For parameters with a data size of 2 or 4, transmit the appropriate number of data bytes.

2.1.5.1 MU80, MU50 System Data parameter change

Refer to tables <2-1> and <2-2>.

2.1.5.2 Current Performance parameter change

Refer to tables <2-1> and <2-3>.

2.1.5.3 Remote Switch

Refer to tables <2-1> and <2-4>.

2.1.6 Other parameter changes

2.1.6.1 Master Tuning

| | | |
|----------|----|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0001nnnn | 1n | device Number |
| 00100111 | 27 | Model ID |
| 00000001 | 30 | Sub ID2 |
| 00000000 | 00 | |
| 00000000 | 00 | |
| 0mmmmmmm | mm | Master Tune MSB |
| 0lllllll | ll | Master Tune LSB |
| 0ccccccc | cc | |
| 11110111 | F7 | End of Exclusive |

This message simultaneously changes the pitch of all channels.

2.1.6.2 Disk Orchestra On

| | |
|----------|----|
| 11110000 | F0 |
| 01000011 | 43 |
| 01110011 | 73 |
| 00000001 | 01 |
| 00010100 | 14 |
| 11110111 | F7 |

This message sets the SOUND MODULE MODE of this device to DOC MODE.

2.2 Bulk Dump

This device handles the following bulk dump data.

[XG NATIVE]

- 1) XG System Data
- 2) Multi Effect1 Data
- 3) Multi Part Data
- 4) Drums Setup Data

[MU80, MU50 NATIVE]

- 1) MU80, MU50 System data
- 2) Internal Performance

2.2.1 XG Native Bulk Dump

| | | |
|----------|---------|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0000nnnn | 0n | device Number |
| 01001100 | 4C | XG Model ID |
| 0bbbbbbb | bbbbbbb | ByteCount |
| 0bbbbbbb | bbbbbbb | ByteCount |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 00000000 | 00 | Data |
| | | |
| | | |
| 0ccccccc | ccccccc | Check-sum |
| 11110111 | F7 | End of Exclusive |

For the Address and Byte Count, refer to the supplementary tables.

The Check Sum is the value that results in a value of zero for the lower 7 bits when the Start Address, Byte Count, and the Check Sum itself are added.

No more than 512 bytes shall be transmitted at one time. If one of the above Dump Request messages for 513 bytes or more is received, the data will be divided into appropriate packets of 512 bytes or less, and transmitted at appropriate intervals (of at least 120 msec).

2.2.1.1 XG System Data bulk dump

Refer to tables <1-1> and <1-2>.

2.2.1.2 Multi Effect1 Data bulk dump

Refer to tables <1-1> and <1-4>.

2.2.1.3 Multi Part Data bulk dump

Refer to tables <1-1> and <1-6>.

2.2.1.4 Drums Setup Data bulk dump

Refer to tables <1-1> and <1-7>.

2.2.2 MU80, MU50 Native Bulk Dump

| | | |
|----------|---------|---------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0000nnnn | 0n | device Number |
| 01001001 | 49 | MU80, MU50 Model ID |
| 0bbbbbbb | bbbbbbb | ByteCount |
| 0bbbbbbb | bbbbbbb | ByteCount |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 00000000 | 00 | Data |
| | | |
| | | |
| 0ccccccc | ccccccc | Check-sum |
| 11110111 | F7 | End of Exclusive |

For the Address and Byte Count, refer to the supplementary tables.

The Check Sum is the value that results in a value of zero for the lower 7 bits when the Start Address, Byte Count, and the Check Sum itself are added.

No more than 512 bytes shall be transmitted at one time. If one of the above Dump Request messages for 513 bytes or more is received, the data will be divided into appropriate packets of 512 bytes or less, and transmitted at appropriate intervals (of at least 120 msec).

2.2.2.1 MU80, MU50 System Data bulk dump

Refer to tables <2-1> and <2-2>.

2.2.2.2 Internal Performance bulk dump

Refer to tables <2-1> and <2-5>.

2.3 Parameter Request

This device is able to handle requests for parameters corresponding to parameter changes.

| | | |
|----------|---------|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0011nnnn | 3n | device Number |
| 01001100 | 4C | XG Model ID |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 11110111 | F7 | End of Exclusive |

2.4 Dump Request

This device is able to handle requests for various types of bulk dump data.

| | | |
|----------|---------|------------------|
| 11110000 | F0 | Exclusive status |
| 01000011 | 43 | YAMAHA ID |
| 0010nnnn | 2n | device Number |
| 01001100 | 4C | XG Model ID |
| 0aaaaaaa | aaaaaaa | Address High |
| 0aaaaaaa | aaaaaaa | Address Mid |
| 0aaaaaaa | aaaaaaa | Address Low |
| 11110111 | F7 | End of Exclusive |

3. Realtime Messages

3.1 Active Sensing

a) Transmission
Not transmitted.

b) Reception
Once FE has been received, if no MIDI data is subsequently received for longer than an interval of approximately 300 msec, this device will perform the same processing as when ALL SOUND OFF, ALL NOTE OFF, and RESET ALL CONTROLLERS messages are received, and will then return to a status in which FE is not monitored.

MU50 MIDI Data Format

<Table 1-1>

Parameter Base Address
Model ID = 4C [XG]

| Parameter Change | | | | |
|------------------|---------|-----|-----|----------------------------------|
| | Address | | | Description |
| | (H) | (M) | (L) | |
| XG SYSTEM | 00 | 00 | 00 | System |
| | 00 | 00 | 7D | Drum Setup Reset |
| | 00 | 00 | 7E | XG System On |
| | 00 | 00 | 7F | Reset All Parameters |
| INFORMATION | 01 | 00 | 00 | System Information |
| EFFECT 1 | 02 | 01 | 00 | Effect1(Reverb,Chorus,Variation) |
| DISPLAY | 06 | 00 | 00 | Display Letter |
| | 07 | 00 | 00 | Display Bitmap |
| MULTI PART | 08 | 00 | 00 | Multi Part 1 |
| | 08 | 0F | 00 | Multi Part 16 |
| DRUM | 30 | 18 | 00 | Drum Setup 1 |
| | 31 | 18 | 00 | Drum Setup 2 |

| Address | Parameter |
|----------|----------------|
| 3n 0B 00 | note number 13 |
| 3n 0C 00 | note number 14 |
| : | : |
| 3n 5B 00 | note number 91 |

<Table 1-2>

MIDI Parameter Change table (SYSTEM) [XG]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|-------------|---------------------|------------------------------------|------------------|
| 00 00 00 | 4 | 0000 - 07FF | MASTER TUNE | -102.4 - +102.3[cent] | 00 04 00 00 |
| 01 | | | | 1st bit3-0→bit15-12 | |
| 02 | | | | 2nd bit3-0→bit11-8 | -400 |
| 03 | | | | 3rd bit3-0→bit7-4 | |
| | | | | 4th bit3-0→bit3-0 | |
| 04 | 1 | 00 - 7F | MASTER VOLUME | 0 - 127 | 7F |
| 05 | 1 | 00 - 7F | not used | | |
| 06 | 1 | 28 - 58 | TRANSPOSE | -24 - +24[semitones] | 40 |
| 7D | | n | DRUM SETUP RESET | n=Drum setup number (receive only) | |
| 7E | | 00 | XG SYSTEM ON | 00=XG sytem ON (receive only) | |
| 7F | | 00 | ALL PARAMETER RESET | 00=ON (receive only) | |

TOTAL SIZE 06

<Table 1-3>

MIDI Parameter Change table (System information) [XG]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|------------------|---------------|------------------|
| 01 00 00 | E | 20 - 7F | Model Name | 32-127(ASCII) | |
| : | : | : | | | |
| 0E | | 20 - 7F | | | |
| 0F | 1 | 00 - 7F | XG Support Level | | 0 - 127 |

TOTAL SIZE 10

This is transmitted in response to a Dump Request. This message is not received.

<Table 1-4>

MIDI Parameter Change table (EFFECT 1) [XG]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|---------------|----------|----------|---------------------|--------------------------------|------------------------|
| 02 01 00 | 2 | 00-7F | REVERB TYPE MSB | see Effect Program List | 01(=HALL1) |
| | | 00-7F | REVERB TYPE LSB | 00 : basic type | 00 |
| 02 | 1 | 00-7F | REVERB PARAMETER 1 | see Effect Parameter List | depends on reverb type |
| 03 | 1 | 00-7F | REVERB PARAMETER 2 | see Effect Parameter List | depends on reverb type |
| 04 | 1 | 00-7F | REVERB PARAMETER 3 | see Effect Parameter List | depends on reverb type |
| 05 | 1 | 00-7F | REVERB PARAMETER 4 | see Effect Parameter List | depends on reverb type |
| 06 | 1 | 00-7F | REVERB PARAMETER 5 | see Effect Parameter List | depends on reverb type |
| 07 | 1 | 00-7F | REVERB PARAMETER 6 | see Effect Parameter List | depends on reverb type |
| 08 | 1 | 00-7F | REVERB PARAMETER 7 | see Effect Parameter List | depends on reverb type |
| 09 | 1 | 00-7F | REVERB PARAMETER 8 | see Effect Parameter List | depends on reverb type |
| 0A | 1 | 00-7F | REVERB PARAMETER 9 | see Effect Parameter List | depends on reverb type |
| 0B | 1 | 00-7F | REVERB PARAMETER 10 | see Effect Parameter List | depends on reverb type |
| 0C | 1 | 00-7F | REVERB RETURN | →dB...0dB...+6dB(0...64...127) | 40 |
| 0D | 1 | 01-7F | REVERB PAN | L63...C...R63(1...64...127) | 40 |
| TOTAL SIZE 0E | | | | | |
| 02 01 10 | 1 | 00-7F | REVERB PARAMETER 11 | see Effect Parameter List | depends on reverb type |
| 11 | 1 | 00-7F | REVERB PARAMETER 12 | see Effect Parameter List | depends on reverb type |
| 12 | 1 | 00-7F | REVERB PARAMETER 13 | see Effect Parameter List | depends on reverb type |
| 13 | 1 | 00-7F | REVERB PARAMETER 14 | see Effect Parameter List | depends on reverb type |
| 14 | 1 | 00-7F | REVERB PARAMETER 15 | see Effect Parameter List | depends on reverb type |
| 15 | 1 | 00-7F | REVERB PARAMETER 16 | see Effect Parameter List | depends on reverb type |
| TOTAL SIZE 6 | | | | | |
| 02 01 20 | 2 | 00-7F | CHORUS TYPE MSB | see Effect Program List | 41(=CHORUS1) |
| | | 00-7F | CHORUS TYPE LSB | 00 : basic type | 00 |
| 22 | 1 | 00-7F | CHORUS PARAMETER 1 | see Effect Parameter List | depends on chorus Type |
| 23 | 1 | 00-7F | CHORUS PARAMETER 2 | see Effect Parameter List | depends on chorus Type |
| 24 | 1 | 00-7F | CHORUS PARAMETER 3 | see Effect Parameter List | depends on chorus Type |
| 25 | 1 | 00-7F | CHORUS PARAMETER 4 | see Effect Parameter List | depends on chorus Type |
| 26 | 1 | 00-7F | CHORUS PARAMETER 5 | see Effect Parameter List | depends on chorus Type |

MU50 MIDI Data Format

| | | | | | |
|---------------|---|-------|------------------------------|----------------------------------|---------------------------|
| 27 | 1 | 00-7F | CHORUS PARAMETER 6 | see Effect Parameter List | depends on chorus Type |
| 28 | 1 | 00-7F | CHORUS PARAMETER 7 | see Effect Parameter List | depends on chorus Type |
| 29 | 1 | 00-7F | CHORUS PARAMETER 8 | see Effect Parameter List | depends on chorus Type |
| 2A | 1 | 00-7F | CHORUS PARAMETER 9 | see Effect Parameter List | depends on chorus Type |
| 2B | 1 | 00-7F | CHORUS PARAMETER 10 | see Effect Parameter List | depends on chorus Type |
| 2C | 1 | 00-7F | CHORUS RETURN | -->dB...0dB...+6dB(0...64...127) | 40 |
| 2D | 1 | 01-7F | CHORUS PAN | L63...C...R63(1...64...127) | 40 |
| 2E | 1 | 00-7F | SEND CHORUS TO REVERB | -->dB...0dB...+6dB(0...64...127) | 00 |
| TOTAL SIZE 0F | | | | | |
| | | | | | |
| 02 01 30 | 1 | 00-7F | CHORUS PARAMETER 11 | see Effect Parameter List | depends on chorus Type |
| 31 | 1 | 00-7F | CHORUS PARAMETER 12 | see Effect Parameter List | depends on chorus Type |
| 32 | 1 | 00-7F | CHORUS PARAMETER 13 | see Effect Parameter List | depends on chorus Type |
| 33 | 1 | 00-7F | CHORUS PARAMETER 14 | see Effect Parameter List | depends on chorus Type |
| 34 | 1 | 00-7F | CHORUS PARAMETER 15 | see Effect Parameter List | depends on chorus Type |
| 35 | 1 | 00-7F | CHORUS PARAMETER 16 | see Effect Parameter List | depends on chorus Type |
| TOTAL SIZE 6 | | | | | |
| | | | | | |
| 02 01 40 | 2 | 00-7F | VARIATION TYPE MSB | see Effect Program List | 05(=DELAY L,C,R) |
| | | 00-7F | VARIATION TYPE LSB | 00 : basic type | 00 |
| 42 | 2 | 00-7F | VARIATION PARAMETER 1 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 1 LSB | see Effect Parameter List | depends on variation type |
| 44 | 2 | 00-7F | VARIATION PARAMETER 2 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 2 LSB | see Effect Parameter List | depends on variation type |
| 46 | 2 | 00-7F | VARIATION PARAMETER 3 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 3 LSB | see Effect Parameter List | depends on variation type |
| 48 | 2 | 00-7F | VARIATION PARAMETER 4 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 4 LSB | see Effect Parameter List | depends on variation type |
| 4A | 2 | 00-7F | VARIATION PARAMETER 5 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 5 LSB | see Effect Parameter List | depends on variation type |
| 4C | 2 | 00-7F | VARIATION PARAMETER 5 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 6 LSB | see Effect Parameter List | depends on variation type |
| 4E | 2 | 00-7F | VARIATION PARAMETER 7 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 7 LSB | see Effect Parameter List | depends on variation type |
| 50 | 2 | 00-7F | VARIATION PARAMETER 8 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 8 LSB | see Effect Parameter List | depends on variation type |
| 52 | 2 | 00-7F | VARIATION PARAMETER 9 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 9 LSB | see Effect Parameter List | depends on variation type |
| 54 | 2 | 00-7F | VARIATION PARAMETER 10 MSB | see Effect Parameter List | depends on variation type |
| | | 00-7F | VARIATION PARAMETER 10 LSB | see Effect Parameter List | depends on variation type |
| 56 | 1 | 00-7F | VARIATION RETURN | -->dB...0dB...+6dB(0...64...127) | 40 |
| 57 | 1 | 01-7F | VARIATION PAN | L63...C...R63(1...64...127) | 40 |
| 58 | 1 | 00-7F | SEND VARIATION TO REVERB | -->dB...0dB...+6dB(0...64...127) | 00 |
| 59 | 1 | 00-7F | SEND VARIATION TO CHORUS | -->dB...0dB...+6dB(0...64...127) | 00 |
| 5A | 1 | 00-01 | VARIATION CONNECTION | 0:INSERTION,1:SYSTEM | 00 |
| 5B | 1 | 00-01 | VARIATION PART | Part1...16(0...15) | 7F |
| | | | | OFF(127) | |
| 5C | 1 | 00-7F | MW VARIATION CONTROL DEPTH | -64 - +63 | 40 |
| 5D | 1 | 00-7F | BEND VARIATION CONTROL DEPTH | -64 - +63 | 40 |
| 5E | 1 | 00-7F | CAT VARIATION CONTROL DEPTH | -64 - +63 | 40 |
| 5F | 1 | 00-7F | AC1 VARIATION CONTROL DEPTH | -64 - +63 | 40 |
| 60 | 1 | 00-7F | AC2 VARIATION CONTROL DEPTH | -64 - +63 | 40 |
| TOTAL SIZE 21 | | | | | |
| | | | | | |
| 02 01 70 | 1 | 00-7F | VARIATION PARAMETER 11 | see Effect Parameter List | depends on variation type |
| 71 | 1 | 00-7F | VARIATION PARAMETER 12 | see Effect Parameter List | depends on variation type |
| 72 | 1 | 00-7F | VARIATION PARAMETER 13 | see Effect Parameter List | depends on variation type |
| 73 | 1 | 00-7F | VARIATION PARAMETER 14 | see Effect Parameter List | depends on variation type |
| 74 | 1 | 00-7F | VARIATION PARAMETER 15 | see Effect Parameter List | depends on variation type |
| 75 | 1 | 00-7F | VARIATION PARAMETER 16 | see Effect Parameter List | depends on variation type |
| TOTAL SIZE 6 | | | | | |

<Table 1-5>

MIDI Parameter Change table (DISPLAY DATA) [XG]

| Address (H) | Size (H) | Data (H) | Pramerter | Description | Default value(H) |
|---------------|----------|----------|----------------------|-------------------------|------------------|
| 06 00 00 | 20 | 20 - 7F | DISPLAY LETTER | 32-127(ASCII CHARACTER) | |
| : | : | : | | | |
| 1F | | 20 - 7F | | | |
| TOTAL SIZE 20 | | | | | |
| | | | | | |
| 07 vh 00 | 30 | 00 - 7F | DISPLAY BITMAP Data0 | 0 - 127 | |
| : | : | : | | | |
| 2F | | 00 - 7F | Data47 | | |
| TOTAL SIZE 30 | | | | | |

v : Vertical extension (0 to 7)
h : Horizontal extension (0 to F)

Single display is 16x16 dots, so maximum display is 256 dots (h) by 128 dots (v).

The data is related to the display screen as follows.
Each byte of data represents seven horizontal pixels.
Set a bit to 1 to turn on a pixe, and to 0 to turn off a pixel.
This data is arranged on the screen as follows.

| | b6 | b5 | b4 | b3 | b2 | b1 | b0 | | b6 | b5 | b4 | b3 | b2 | b1 | b0 | | b6 | b5 | b4 | b3 | b2 | b1 | b0 | (b stands for bit) |
|-------|----|----|----|----|----|----|----|--------|----|----|----|----|----|----|----|--------|----|----|----|----|----|----|----|--------------------|
| Data0 | * | * | * | * | * | * | * | Data16 | * | * | * | * | * | * | * | Data32 | * | * | * | * | * | * | * | |
| Data1 | | | | | | | | Data17 | | | | | | | | Data33 | | | | | | | | |
| Data2 | | | | | | | | Data18 | | | | | | | | Data34 | | | | | | | | |
| Data3 | | | | | | | | Data19 | | | | | | | | Data35 | | | | | | | | |
| Data4 | | | | | | | | Data20 | | | | | | | | Data36 | | | | | | | | |
| Data5 | | | | | | | | Data21 | | | | | | | | Data37 | | | | | | | | |

MU50 MIDI Data Format

| | | |
|--------|--------|--------|
| Data6 | Data22 | Data38 |
| Data7 | Data23 | Data39 |
| Data8 | Data24 | Data40 |
| Data9 | Data25 | Data41 |
| Data10 | Data26 | Data42 |
| Data11 | Data27 | Data43 |
| Data12 | Data28 | Data44 |
| Data13 | Data29 | Data45 |
| Data14 | Data30 | Data46 |
| Data15 | Data31 | Data47 |

“ For Data32-Data47, only bit 6 and bit 5 are used.”

It is also possible for bitmap data to be received to change only for specified pixels. In this case, other pixels will display the previous status. DISPLAY DATA parameter changes can be used to transmit consecutive data starting with a desired location.

<Table 1-6>

MIDI Parameter Change table (MULTI PART) [XG]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|-------------|-----------------------------------|--|--|
| 08 nn 00 | 1 | 00 - 20 | ELEMENT RESERVE | 0 - 32 | part10=0, other =2 |
| nn 01 | 1 | 00 - 7F | BANK SELECT MSB | 0 - 127 | part10=7F, other=0 |
| nn 02 | 1 | 00 - 7F | BANK SELECT LSB | 0 - 127 | 00 |
| nn 03 | 1 | 00 - 7F | PROGRAM NUMBER | 1 - 128 | 00 |
| nn 04 | 1 | 00 - 1F, 7F | Rev CHANNEL | A1 - A16, OFF | Part No. |
| nn 05 | 1 | 00 - 01 | MONO/POLY MODE | 0:MONO 1:POLY | 01 |
| nn 06 | 1 | 00 - 02 | SAME NOTE NUMBER KEY ON ASSIGN | 0:SINGLE 1:MULTI 2:INST (for DRUM) | 1 (all part) Part 10=2, other=0 |
| nn 07 | 1 | 00 - 05 | PART MODE | 0:NORMAL 1:DRUM 2 - 5:DRUMS1 - 4 | 00 (Other than Part 10) 02 (Part10) |
| nn 08 | 1 | 28 - 58 | NOTE SHIFT | -24 - +24[semitones] | 40 |
| nn 09 | 2 | 00 - FF | DETUNE | -12.8 - +12.7[Hz] | 08 00 |
| nn 0A | | | | 1st bit3-0→bit7-4 2nd bit3-0→bit3-0 | (80) |
| nn 0B | 1 | 00 - 7F | VOLUME | 0 - 127 | 64 |
| nn 0C | 1 | 00 - 7F | VELOCITY SENSE DEPTH | 0 - 127 | 40 |
| nn 0D | 1 | 00 - 7F | VELOCITY SENSE OFFSET | 0 - 127 | 40 |
| nn 0E | 1 | 00 - 7F | PAN | 0:random 1/L63...64/C...127/R63 | 40 |
| nn 0F | 1 | 00 - 7F | NOTE LIMIT LOW | C-2 - G8 | 00 |
| nn 10 | 1 | 00 - 7F | NOTE LIMIT HIGH | C-2 - G8 | 7F |
| nn 11 | 1 | 00 - 7F | DRY LEVEL | 0 - 127 | 7F |
| nn 12 | 1 | 00 - 7F | CHORUS SEND | 0 - 127 | 00 |
| nn 13 | 1 | 00 - 7F | REVERB SEND | 0 - 127 | 28 |
| nn 14 | 1 | 00 - 7F | VARIATION SEND | 0 - 127 | 00 |
| nn 15 | 1 | 00 - 7F | VIBRATO RATE | -64 - +63 | 40 |
| nn 16 | 1 | 00 - 7F | VIBRATO DEPTH | -64 - +63 | 40 (drum part ignores) |
| nn 17 | 1 | 00 - 7F | VIBRATO DELAY | -64 - +63 | 40 (drum part ignores) |
| nn 18 | 1 | 00 - 7F | FILTER CUTOFF FREQUENCY | -64 - +63 | 40 |
| nn 19 | 1 | 00 - 7F | FILTER RESONANCE | -64 - +63 | 40 |
| nn 1A | 1 | 00 - 7F | EG ATTACK TIME | -64 - +63 | 40 |
| nn 1B | 1 | 00 - 7F | EG DECAY TIME | -64 - +63 | 40 |
| nn 1C | 1 | 00 - 7F | EG RELEASE TIME | -64 - +63 | 40 |
| nn 1D | 1 | 28 - 58 | MW PITCH CONTROL | -24 - +24[semitones] | 40 |
| nn 1E | 1 | 00 - 7F | MW FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 1F | 1 | 00 - 7F | MW AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 20 | 1 | 00 - 7F | MW LFO PMOD DEPTH | 0 - 127 | 0A |
| nn 21 | 1 | 00 - 7F | MW LFO FMOD DEPTH | 0 - 127 | 00 |
| nn 22 | 1 | 00 - 7F | MW LFO AMOD DEPTH | 0 - 127 | 00 |
| nn 23 | 1 | 28 - 58 | BEND PITCH CONTROL | -24 - +24[semitones] | 42 |
| nn 24 | 1 | 00 - 7F | BEND FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 25 | 1 | 00 - 7F | BEND AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 26 | 1 | 00 - 7F | BEND LFO PMOD DEPTH | 0 - 127 | 40 |
| nn 27 | 1 | 00 - 7F | BEND LFO FMOD DEPTH | 0 - 127 | 40 |
| nn 28 | 1 | 00 - 7F | BEND LFO AMOD DEPTH | 0 - 127 | 40 |
| TOTAL SIZE | 29 | | | | |
| nn 30 | 1 | 00 - 01 | Rev PITCH BEND | OFF/ON | 01 |
| nn 31 | 1 | 00 - 01 | Rev CH AFTER TOUCH(CAT) | OFF/ON | 01 |
| nn 32 | 1 | 00 - 01 | Rev PROGRAM CHANGE | OFF/ON | 01 |
| nn 33 | 1 | 00 - 01 | Rev CONTROL CHANGE | OFF/ON | 01 |
| nn 34 | 1 | 00 - 01 | Rev POLY AFTER TOUCH(PAT) | OFF/ON | 01 |
| nn 35 | 1 | 00 - 01 | Rev NOTE MESSAGE | OFF/ON | 01 |
| nn 36 | 1 | 00 - 01 | Rev RPN | OFF/ON | 01 |
| nn 37 | 1 | 00 - 01 | Rev NRRN | OFF/ON | XG=01, GM=00 |
| nn 38 | 1 | 00 - 01 | Rev MODURATION | OFF/ON | 01 |
| nn 39 | 1 | 00 - 01 | Rev VOLUME | OFF/ON | 01 |
| nn 3A | 1 | 00 - 01 | Rev PAN | OFF/ON | 01 |
| nn 3B | 1 | 00 - 01 | Rev EXPRESSION | OFF/ON | 01 |
| nn 3C | 1 | 00 - 01 | Rev HOLD1 | OFF/ON | 01 |
| nn 3D | 1 | 00 - 01 | Rev PORTAMENTO | OFF/ON | 01 |
| nn 3E | 1 | 00 - 01 | Rev SOSTENUTO | OFF/ON | 01 |
| nn 3F | 1 | 00 - 01 | Rev SOFT PEDAL | OFF/ON | 01 |
| nn 40 | 1 | 00 - 01 | Rev BANK SELECT | OFF/ON | XG=01, GM=00 |

MU50 MIDI Data Format

| | | | | | |
|---------------|---|---------|------------------------|----------------------|----|
| nn 41 | 1 | 00 - 7F | SCALE TUNING C | -64 - +63[cent] | 40 |
| nn 42 | 1 | 00 - 7F | SCALE TUNING C# | -64 - +63[cent] | 40 |
| nn 43 | 1 | 00 - 7F | SCALE TUNING D | -64 - +63[cent] | 40 |
| nn 44 | 1 | 00 - 7F | SCALE TUNING D# | -64 - +63[cent] | 40 |
| nn 45 | 1 | 00 - 7F | SCALE TUNING E | -64 - +63[cent] | 40 |
| nn 46 | 1 | 00 - 7F | SCALE TUNING F | -64 - +63[cent] | 40 |
| nn 47 | 1 | 00 - 7F | SCALE TUNING F# | -64 - +63[cent] | 40 |
| nn 48 | 1 | 00 - 7F | SCALE TUNING G | -64 - +63[cent] | 40 |
| nn 49 | 1 | 00 - 7F | SCALE TUNING G# | -64 - +63[cent] | 40 |
| nn 4A | 1 | 00 - 7F | SCALE TUNING A | -64 - +63[cent] | 40 |
| nn 4B | 1 | 00 - 7F | SCALE TUNING A# | -64 - +63[cent] | 40 |
| nn 4C | 1 | 00 - 7F | SCALE TUNING B | -64 - +63[cent] | 40 |
| | | | | | |
| nn 4D | 1 | 28 - 58 | CAT PITCH CONTROL | -24 - +24[semitones] | 40 |
| nn 4E | 1 | 00 - 7F | CAT FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 4F | 1 | 00 - 7F | CAT AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 50 | 1 | 00 - 7F | CAT LFO PMOD DEPTH | 0 - 127 | 00 |
| nn 51 | 1 | 00 - 7F | CAT LFO FMOD DEPTH | 0 - 127 | 00 |
| nn 52 | 1 | 00 - 7F | CAT LFO AMOD DEPTH | 0 - 127 | 00 |
| | | | | | |
| nn 53 | 1 | 28 - 58 | PAT PITCH CONTROL | -24 - +24[semitones] | 40 |
| nn 54 | 1 | 00 - 7F | PAT FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 55 | 1 | 00 - 7F | PAT AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 56 | 1 | 00 - 7F | PAT LFO PMOD DEPTH | 0 - 127 | 00 |
| nn 57 | 1 | 00 - 7F | PAT LFO FMOD DEPTH | 0 - 127 | 00 |
| nn 58 | 1 | 00 - 7F | PAT LFO AMOD DEPTH | 0 - 127 | 00 |
| | | | | | |
| nn 59 | 1 | 00 - 5F | AC1 CONTROLLER NUMBER | 0 - 95 | 10 |
| nn 5A | 1 | 28 - 58 | AC1 PITCH CONTROL | -24 - +24[semitones] | 40 |
| nn 5B | 1 | 00 - 7F | AC1 FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 5C | 1 | 00 - 7F | AC1 AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 5D | 1 | 00 - 7F | AC1 LFO PMOD DEPTH | 0 - 127 | 00 |
| nn 5E | 1 | 00 - 7F | AC1 LFO FMOD DEPTH | 0 - 127 | 00 |
| nn 5F | 1 | 00 - 7F | AC1 LFO AMOD DEPTH | 0 - 127 | 00 |
| | | | | | |
| nn 60 | 1 | 00 - 5F | AC2 CONTROLLER NUMBER | 0 - 95 | 11 |
| nn 61 | 1 | 28 - 58 | AC2 PITCH CONTROL | -24 - +24[semitones] | 40 |
| nn 62 | 1 | 00 - 7F | AC2 FILTER CONTROL | -9600 - +9450[cent] | 40 |
| nn 63 | 1 | 00 - 7F | AC2 AMPLITUDE CONTROL | -64 - +63 | 40 |
| nn 64 | 1 | 00 - 7F | AC2 LFO PMOD DEPTH | 0 - 127 | 00 |
| nn 65 | 1 | 00 - 7F | AC2 LFO FMOD DEPTH | 0 - 127 | 00 |
| nn 66 | 1 | 00 - 7F | AC2 LFO AMOD DEPTH | 0 - 127 | 00 |
| | | | | | |
| nn 67 | 1 | 00 - 01 | PORTAMENTO SWITCH | 0/OFF, 1/ON | 00 |
| nn 68 | 1 | 00 - 7F | PORTAMENTO TIME | 0 - 127 | 00 |
| | | | | | |
| nn 69 | 1 | 00 - 7F | PITCH EG INITIAL LEVEL | -64 - +63 | 40 |
| nn 6A | 1 | 00 - 7F | PITCH EG ATTACK TIME | -64 - +63 | 40 |
| nn 6B | 1 | 00 - 7F | PITCH EG RELEASE LEVEL | -64 - +63 | 40 |
| nn 6C | 1 | 00 - 7F | PITCH EG RELEASE TIME | -64 - +63 | 40 |
| nn 6D | 1 | 00 - 7F | VELOCITY LIMIT LOW | 1 - 127 | 01 |
| nn 6E | 1 | 00 - 7F | VELOCITY LIMIT HIGH | 1 - 127 | 7F |
| TOTAL SIZE 3F | | | | | |

nn = PartNumber (0:1 Part, 1:2 Part, 2:3 Part, ..., 15:16 Part)

For the DRUM PART, the following parameters have no effect.

- BANK SELECT LSB
- PORTAMENTO
- SOFT PEDAL
- MONO/POLY
- SCALE TUNING
- POLY AFTER TOUCH
- PITCH EG

<Table 1-7>

MIDI Parameter Change table (DRUM SETUP) [XG]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|---------------|----------|----------|-------------------------|------------------------------|--------------------|
| 3n rr 00 | 1 | 00 - 7F | PITCH COARSE | -64 - +63 | 40 |
| 3n rr 01 | 1 | 00 - 7F | PITCH FINE | -64 - +63[cent] | 40 |
| 3n rr 02 | 1 | 00 - 7F | LEVEL | 0 - 127 | depend on the note |
| 3n rr 03 | 1 | 00 - 7F | ALTERNATE GROUP | 0:OFF, 1 - 127 | depend on the note |
| 3n rr 04 | 1 | 00 - 7F | PAN | 0:random, 1/L63_64/C_127/R63 | depend on the note |
| 3n rr 05 | 1 | 00 - 7F | REVERB SEND | 0 - 127 | depend on the note |
| 3n rr 06 | 1 | 00 - 7F | CHORUS SEND | 0 - 127 | depend on the note |
| 3n rr 07 | 1 | 00 - 7F | VARIATION SEND | 0 - 127 | 7F |
| | | | | | |
| 3n rr 08 | 1 | 00 - 01 | KEY ASSIGN | 0:SINGLE 1:MULTI | 00 |
| 3n rr 09 | 1 | 00 - 01 | Rev NOTE OFF | 0/OFF, 1/ON | depend on the note |
| 3n rr 0A | 1 | 00 - 01 | Rev NOTE ON | 0/OFF, 1/ON | 01 |
| 3n rr 0B | 1 | 00 - 7F | FILTER CUTOFF FREQUENCY | -64 - 63 | 40 |
| 3n rr 0C | 1 | 00 - 7F | FILTER RESONANCE | -64 - 63 | 40 |
| 3n rr 0D | 1 | 00 - 7F | EG ATTACK RATE | -64 - 63 | 40 |
| 3n rr 0E | 1 | 00 - 7F | EG DECAY1 RATE | -64 - 63 | 40 |
| 3n rr 0F | 1 | 00 - 7F | EG DECAY2 RATE | -64 - 63 | 40 |
| TOTAL SIZE 10 | | | | | |

[Note]

n:Drum setup number, A minimum of two setups is required.

rr:Note Number (0D-54), As a minimum, all notes covered by GMx must be supported.

When XG system or GM system on messages are received, all DRUM SETUP parameters are initialized.

The Drum Setup Reset message can be used to initialize each Drum Setup parameter.

MU50 MIDI Data Format

<Table 2-1>

Parameter Base Address
Model ID = 49 [MU80, MU50]

| Parameter Change | | | |
|----------------------|-----|-----|-----|
| Address | | | |
| | (H) | (M) | (L) |
| MU50 SYSTEM | 00 | 00 | 00 |
| CURRENT PERFORMANCE | 09 | 00 | 00 |
| | 09 | 01 | 00 |
| | 09 | 02 | 00 |
| | 09 | 03 | 00 |
| | 09 | 04 | 00 |
| | 00 | 00 | 00 |
| INTERNAL PERFORMANCE | 30 | 00 | 00 |
| | 30 | 7F | 00 |
| | 31 | 00 | 00 |
| | 31 | 7F | 00 |
| | 32 | 00 | 00 |
| | 32 | 7F | 00 |
| | 33 | 00 | 00 |
| | 33 | 7F | 00 |
| | 34 | 00 | 00 |
| | 34 | 7F | 00 |

Performance Common

| Address | Parameter |
|----------|-----------|
| 09 00 00 | System |
| 00 20 | Effect |

pp: Performance#

Performance Common INT

| Address | Parameter |
|----------|-----------|
| 30 pp 00 | System |
| pp 20 | Effect |

pp: Performance#

<Table2-2>

MIDI Parameter Change table (SYSTEM) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|--------------------------------|----------------------------------|------------------|
| 00 00 00 | 1 | 00-01 | MUTE LOCK | 0/OFF, 1/ON | 0 |
| 01 | 1 | | not used | | |
| 02 | 1 | | not used | | |
| 03 | 1 | 00-01 | RECEIVE GM ON | 0/OFF,1/ON | 1 |
| 04 | 1 | 00-01 | RECEIVE BANK SELECT | 0/OFF,1/ON | 1 |
| 05 | 1 | 00-04 | BULK OUT INTERVAL TIME | 0/50, 1/100, 2/150, 3/200, 4/300 | 2 |
| 06 | 1 | 00-10 | PERFORMANCE CHANNEL | 1 - 16, all | 1 |
| 07 | 1 | 28-58 | PERFORMANCE TRANSPOSE | -24 - +24[semitone] | 40 |
| 08 | 1 | 00-07 | LCD CONTRAST | 1 - 8 | 2 |
| 09 | 1 | 00-07 | MULTI PORT NUMBER for MIDI OUT | 1 - 8 | 1 |

TOTAL SIZE 0A

<Table2-3>

MIDI Parameter Change table (CURRENT PERFORMANCE COMMON SYSTEM) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|------------------|---------------------------|------------------|
| 09 00 00 | 0C | 20 - 7F | performance name | 32 - 127(ASCII CHARACTER) | |
| 09 00 0C | 01 | 00 - 7F | master volume | 0 - 127 | |
| 09 00 0D | 01 | 01 - 7F | master pan | 1/L63 - 64/C - 127/R63 | |
| 09 00 0E | 01 | 00 - 5F | AC1 CC Number | 0- 95 | |
| 09 00 0F | 01 | 00 - 01 | not used | | |

TOTAL SIZE 10

pp:performance number (00-40)

MIDI Parameter Change table (CURRENT PERFORMANCE COMMON EFFECT) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|-----------------------|---------------------------------|------------------------|
| 09 00 20 | 2 | 00-7F | REVERB TYPE MSB | See Effect Program List | 01(=HALL1) |
| 09 00 21 | | 00-7F | REVERB TYPE LSB | 00 : basic type | 00 |
| 09 00 22 | 1 | 00-7F | REVERB PARAMETER 1 | See Effect Parameter List | depends on reverb type |
| 09 00 23 | 1 | 00-7F | REVERB PARAMETER 2 | See Effect Parameter List | depends on reverb type |
| 09 00 24 | 1 | 00-7F | REVERB PARAMETER 3 | See Effect Parameter List | depends on reverb type |
| 09 00 25 | 1 | 00-7F | REVERB PARAMETER 4 | See Effect Parameter List | depends on reverb type |
| 09 00 26 | 1 | 00-7F | REVERB PARAMETER 5 | See Effect Parameter List | depends on reverb type |
| 09 00 27 | 1 | 00-7F | REVERB RETURN | -∞dB...0dB...+6dB(0...64...127) | 40 |
| 09 00 28 | 1 | 01-7F | REVERB PAN | L63...C...R63(1...64...127) | 40 |
| 09 00 29 | 2 | 00-7F | CHORUS TYPE MSB | See Effect Program List | 41(=CHORUS1) |
| 09 00 2A | | 00-7F | CHORUS TYPE LSB | 00 : basic type | 00 |
| 09 00 2B | 1 | 00-7F | CHORUS PARAMETER 1 | See Effect Parameter List | depends on chorus Type |
| 09 00 2C | 1 | 00-7F | CHORUS PARAMETER 2 | See Effect Parameter List | depends on chorus Type |
| 09 00 2D | 1 | 00-7F | CHORUS PARAMETER 3 | See Effect Parameter List | depends on chorus Type |
| 09 00 2E | 1 | 00-7F | CHORUS PARAMETER 4 | See Effect Parameter List | depends on chorus Type |
| 09 00 2F | 1 | 00-7F | CHORUS PARAMETER 5 | See Effect Parameter List | depends on chorus Type |
| 09 00 30 | 1 | 00-7F | CHORUS RETURN | -∞dB...0dB...+6dB(0...64...127) | 40 |
| 09 00 31 | 1 | 01-7F | CHORUS PAN | L63...C...R63(1...64...127) | 40 |
| 09 00 32 | 1 | 00-7F | SEND CHORUS TO REVERB | -∞dB...0dB...+6dB(0...64...127) | 00 |
| 09 00 33 | 2 | 00-7F | VARIATION TYPE MSB | See Effect Program List | 05(=DELAY L,C,R) |
| 09 00 34 | | 00-7F | VARIATION TYPE LSB | 00 : basic type | 00 |

MU50 MIDI Data Format

| | | | | | |
|----------|---|-------|-----------------------------|---------------------------------|---------------------------|
| 09 00 35 | 2 | 00-7F | VARIATION PARAMETER 1 MSB | See Effect Parameter List | depends on variation type |
| 09 00 36 | | 00-7F | VARIATION PARAMETER 1 LSB | See Effect Parameter List | depends on variation type |
| 09 00 37 | 2 | 00-7F | VARIATION PARAMETER 2 MSB | See Effect Parameter List | depends on variation type |
| 09 00 38 | | 00-7F | VARIATION PARAMETER 2 LSB | See Effect Parameter List | depends on variation type |
| 09 00 39 | 2 | 00-7F | VARIATION PARAMETER 3 MSB | See Effect Parameter List | depends on variation type |
| 09 00 3A | | 00-7F | VARIATION PARAMETER 3 LSB | See Effect Parameter List | depends on variation type |
| 09 00 3B | 2 | 00-7F | VARIATION PARAMETER 4 MSB | See Effect Parameter List | depends on variation type |
| 09 00 3C | | 00-7F | VARIATION PARAMETER 4 LSB | See Effect Parameter List | depends on variation type |
| 09 00 3D | 2 | 00-7F | VARIATION PARAMETER 5 MSB | See Effect Parameter List | depends on variation type |
| 09 00 3E | | 00-7F | VARIATION PARAMETER 5 LSB | See Effect Parameter List | depends on variation type |
| 09 00 3F | 2 | 00-7F | VARIATION PARAMETER 10 MSB | See Effect Parameter List | depends on variation type |
| 09 00 40 | | 00-7F | VARIATION PARAMETER 10 LSB | See Effect Parameter List | depends on variation type |
| 09 00 41 | 1 | 00-7F | VARIATION RETURN | -∞dB...0dB...+6dB(0...64...127) | 40 |
| 09 00 42 | 1 | 01-7F | VARIATION PAN | L63...C...R63(1...64...127) | 40 |
| 09 00 43 | 1 | 00-7F | SEND VARIATION TO REVERB | -∞dB...0dB...+6dB(0...64...127) | 00 |
| 09 00 44 | 1 | 00-7F | SEND VARIATION TO CHORUS | -∞dB...0dB...+6dB(0...64...127) | 00 |
| 09 00 45 | 1 | 00-7F | AC1 VARIATION CONTROL DEPTH | -64 - +63 | 00 |
| 09 00 46 | 1 | 00-01 | VARIATION CONNECTION | 0:INSERTION,1:SYSTEM | 00 |
| 09 00 47 | 1 | 00-7F | VARIATION PART | Part1...4(0...3) OFF(127) | 7F |

TOTAL SIZE 40

MIDI Parameter Change table (CURRENT PERFORMANCE PART) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|-------------------------|--|------------------|
| 09 0n 00 | 1 | 00 - 7F | PROGRAM NUMBER | 1 - 128 | |
| 09 0n 01 | 1 | 00 - 7F | BANK SELECT | 0 - 127 (See XG voice map, 127-SFX bank) | |
| 09 0n 02 | 1 | 00 - 7F | VOLUME | 0 - 127 | |
| 09 0n 03 | 1 | 00 - 7F | PAN | 0/random, 1/L63 - 64/C - 127/R63 | |
| 09 0n 04 | 1 | 00 - 7F | DRY SEND LEVEL | 0 - 127(VarConnection=SYS) | |
| 09 0n 05 | 1 | 00 - 7F | CHORUS SEND | 0 - 127 | |
| 09 0n 06 | 1 | 00 - 7F | REVERB SEND | 0 - 127 | |
| 09 0n 07 | 1 | 00 - 7F | VARIATION SEND | 0 - 127 | |
| 09 0n 08 | 1 | 28 - 58 | NOTE SHIFT | -24 - +24[semitones] | |
| 09 0n 09 | 1 | 00 - 01 | Rev NOTE MESSAGE(MUTE) | 0/OFF,1/ON | |
| 09 0n 0A | 1 | 00 - 7F | FILTER CUTOFF FREQUENCY | -64 - +63 | |
| 09 0n 0B | 1 | 00 - 7F | FILTER RESONANCE | -64 - +63 | |
| 09 0n 0C | 1 | 00 - 7F | EG ATTACK TIME | -64 - +63 | |
| 09 0n 0D | 1 | 00 - 7F | EG DECAY TIME | -64 - +63 | |
| 09 0n 0E | 1 | 00 - 7F | EG RELEASE TIME | -64 - +63 | |
| 09 0n 0F | 1 | 00 - 7F | VIBRATO RATE | -64 - +63 | |
| 09 0n 10 | 1 | 00 - 7F | VIBRATO DEPTH | -64 - +63 | |
| 09 0n 11 | 1 | 00 - 7F | VIBRATO DELAY | -64 - +63 | |
| 09 0n 12 | 2 | 00 - FF | DETUNE | -12.8 - +12.7[Hz] 1st bit3-0→bit7-4 | |
| 09 0n 14 | 1 | 00 - 7F | PITCH EG INITIAL LEVEL | -64 - +63 | |
| 09 0n 15 | 1 | 00 - 7F | PITCH EG ATTACK TIME | -64 - +63 | |
| 09 0n 16 | 1 | 00 - 7F | PITCH EG RELEASE LEVEL | -64 - +63 | |
| 09 0n 17 | 1 | 00 - 7F | PITCH EG RELEASE TIME | -64 - +63 | |
| 09 0n 18 | 1 | 00 - 7F | MW LFO PMOD DEPTH | 0 - 127 | |
| 09 0n 19 | 1 | 00 - 7F | MW LFO FMOD DEPTH | 0 - 127 | |
| 09 0n 1A | 1 | 28 - 58 | BEND PITCH CONTROL | -24 - +24[semitones] | |
| 09 0n 1B | 1 | 00 - 7F | AC1 FILTER CONTROL | -64 - +63 | |
| 09 0n 1C | 1 | 00 - 7F | AC1 AMPLITUDE CONTROL | -64 - +63 | |
| 09 0n 1D | 1 | 00 - 01 | MONO/POLY MODE | 0/MONO, 1/POLY | |
| 09 0n 1E | 1 | 00 - 7F | VELOCITY SENSE DEPTH | 0 - 127 | |
| 09 0n 1F | 1 | 00 - 7F | VELOCITY SENSE OFFSET | 0 - 127 | |
| 09 0n 20 | 1 | 00 - 7F | NOTE LIMIT LOW | C-2 - G8 | |
| 09 0n 21 | 1 | 00 - 7F | NOTE LIMIT HIGH | C-2 - G8 | |
| 09 0n 22 | 1 | 00 - 01 | PORTAMENTO SWITCH | 0/OFF,1/ON | |
| 09 0n 23 | 1 | 00 - 7F | PORTAMENTO TIME | 0 - 127 | |
| 09 0n 24 | 1 | 01 - 7F | VELOCITY LIMIT LOW | 1 - 127 | |
| 09 0n 25 | 1 | 01 - 7F | VELOCITY LIMIT HIGH | 1 - 127 | |

TOTAL SIZE 26

[Note]

n: performance part number (01-04)

<Table2-4>

MIDI Parameter Change table (REMOTE SWITCH) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|------------------|-------------|------------------|
| 0A 00 00 | 1 | 00-01 | PLAY switch | 0/OFF,1/ON | |
| 0A 00 01 | 1 | 00-01 | UTIL switch | 0/OFF,1/ON | |
| 0A 00 02 | 1 | 00-01 | MODE switch | 0/OFF,1/ON | |
| 0A 00 03 | 1 | 00-01 | EDIT switch | 0/OFF,1/ON | |
| 0A 00 04 | 1 | 00-01 | EFFECT switch | 0/OFF,1/ON | |
| 0A 00 05 | 1 | | not used | | |
| 0A 00 06 | 1 | 00-01 | MUTE/SOLO switch | 0/OFF,1/ON | |
| 0A 00 07 | 1 | 00-01 | ENTER switch | 0/OFF,1/ON | |
| 0A 00 08 | 1 | 00-01 | EXIT switch | 0/OFF,1/ON | |
| 0A 00 09 | 1 | 00-01 | PART- switch | 0/OFF,1/ON | |
| 0A 00 0A | 1 | 00-01 | SELECT- switch | 0/OFF,1/ON | |
| 0A 00 0B | 1 | 00-01 | VALUE- switch | 0/OFF,1/ON | |
| 0A 00 0C | 1 | 00-01 | PART+ switch | 0/OFF,1/ON | |
| 0A 00 0D | 1 | 00-01 | SELECT+ switch | 0/OFF,1/ON | |
| 0A 00 0E | 1 | 00-01 | VALUE+ switch | 0/OFF,1/ON | |

MU50 MIDI Data Format

<Table2-5>

MIDI Parameter Change table (INTERNAL PERFORMANCE COMMON SYSTEM) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|--------------------|-------------------------|------------------|
| 30 pp 00 | 0C | 20 - 7F | performance name | 32-127(ASCII CHARACTER) | |
| 30 pp 0C | 01 | 00 - 7F | performance volume | 0 - 127 | |
| 30 pp 0D | 01 | 01 - 7F | performance pan | 1/L63 - 64/C - 127/R63 | |
| 30 pp 0E | 01 | 00 - 5F | AC1 CC Number | 0- 95 | |
| 30 pp 0F | 01 | | not used | | |

TOTAL SIZE 10

pp:performance number (00-7F)

MIDI Parameter Change table (INTERNAL PERFORMANCE COMMON EFFECT) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|-----------------------------|---------------------------------|------------------|
| 30 pp 20 | 2 | 00-7F | REVERB TYPE MSB | See Effect Program List | |
| 30 pp 21 | | 00-7F | REVERB TYPE LSB | 00 : basic type | |
| 30 pp 22 | 1 | 00-7F | REVERB PARAMETER 1 | See Effect Parameter List | |
| 30 pp 23 | 1 | 00-7F | REVERB PARAMETER 2 | See Effect Parameter List | |
| 30 pp 24 | 1 | 00-7F | REVERB PARAMETER 3 | See Effect Parameter List | |
| 30 pp 25 | 1 | 00-7F | REVERB PARAMETER 4 | See Effect Parameter List | |
| 30 pp 26 | 1 | 00-7F | REVERB PARAMETER 5 | See Effect Parameter List | |
| 30 pp 27 | 1 | 00-7F | REVERB RETURN | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 28 | 1 | 01-7F | REVERB PAN | L63...C...R63(1...64...127) | |
| 30 pp 29 | 2 | 00-7F | CHORUS TYPE MSB | See Effect Program List | |
| 30 pp 2A | | 00-7F | CHORUS TYPE LSB | 00 : basic type | |
| 30 pp 2B | 1 | 00-7F | CHORUS PARAMETER 1 | See Effect Parameter List | |
| 30 pp 2C | 1 | 00-7F | CHORUS PARAMETER 2 | See Effect Parameter List | |
| 30 pp 2D | 1 | 00-7F | CHORUS PARAMETER 3 | See Effect Parameter List | |
| 30 pp 2E | 1 | 00-7F | CHORUS PARAMETER 4 | See Effect Parameter List | |
| 30 pp 2F | 1 | 00-7F | CHORUS PARAMETER 5 | See Effect Parameter List | |
| 30 pp 30 | 1 | 00-7F | CHORUS RETURN | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 31 | 1 | 01-7F | CHORUS PAN | L63...C...R63(1...64...127) | |
| 30 pp 32 | 1 | 00-7F | SEND CHORUS TO REVERB | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 33 | 2 | 00-7F | VARIATION TYPE MSB | See Effect Program List | |
| 30 pp 34 | | 00-7F | VARIATION TYPE LSB | 00 : basic type | |
| 30 pp 35 | 2 | 00-7F | VARIATION PARAMETER 1 MSB | See Effect Parameter List | |
| 30 pp 36 | | 00-7F | VARIATION PARAMETER 1 LSB | See Effect Parameter List | |
| 30 pp 37 | 2 | 00-7F | VARIATION PARAMETER 2 MSB | See Effect Parameter List | |
| 30 pp 38 | | 00-7F | VARIATION PARAMETER 2 LSB | See Effect Parameter List | |
| 30 pp 39 | 2 | 00-7F | VARIATION PARAMETER 3 MSB | See Effect Parameter List | |
| 30 pp 3A | | 00-7F | VARIATION PARAMETER 3 LSB | See Effect Parameter List | |
| 30 pp 3B | 2 | 00-7F | VARIATION PARAMETER 4 MSB | See Effect Parameter List | |
| 30 pp 3C | | 00-7F | VARIATION PARAMETER 4 LSB | See Effect Parameter List | |
| 30 pp 3D | 2 | 00-7F | VARIATION PARAMETER 5 MSB | See Effect Parameter List | |
| 30 pp 3E | | 00-7F | VARIATION PARAMETER 5 LSB | See Effect Parameter List | |
| 30 pp 3F | 2 | 00-7F | VARIATION PARAMETER 10 MSB | See Effect Parameter List | |
| 30 pp 40 | | 00-7F | VARIATION PARAMETER 10 LSB | See Effect Parameter List | |
| 30 pp 41 | 1 | 00-7F | VARIATION RETURN | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 42 | 1 | 01-7F | VARIATION PAN | L63...C...R63(1...64...127) | |
| 30 pp 43 | 1 | 00-7F | SEND VARIATION TO REVERB | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 44 | 1 | 00-7F | SEND VARIATION TO CHORUS | ->dB...0dB...+6dB(0...64...127) | |
| 30 pp 45 | 1 | 00-7F | AC1 VARIATION CONTROL DEPTH | -64 - +63 | |
| 30 pp 46 | 1 | 00-01 | VARIATION CONNECTION | 0:INSERTION,1:SYSTEM | |
| 30 pp 47 | 1 | 00-03,7F | VARIATION PART | Part1...4(0...3) OFF(127) | |

TOTAL SIZE 40

[Note]

pp:performance number (00-7F)

MIDI Parameter Change table (INTERNAL PERFORMANCE PART) [MU80, MU50]

| Address (H) | Size (H) | Data (H) | Parameter | Description | Default value(H) |
|-------------|----------|----------|-------------------------|--|------------------|
| 3n pp 00 | 1 | 00 - 7F | PROGRAM NUMBER | 1 - 128 | |
| 3n pp 01 | 1 | 00 - 7F | BANK SELECT | 0 - 127 (See XG voice map, 127=SFX bank) | |
| 3n pp 02 | 1 | 00 - 7F | VOLUME | 0 - 127 | |
| 3n pp 03 | 1 | 00 - 7F | PAN | 0/random, 1/L63 - 64/C - 127/R63 | |
| 3n pp 04 | 1 | 00 - 7F | DRY SEND LEVEL | 0 - 127 | |
| 3n pp 05 | 1 | 00 - 7F | CHORUS SEND | 0 - 127 | |
| 3n pp 06 | 1 | 00 - 7F | REVERB SEND | 0 - 127 | |
| 3n pp 07 | 1 | 00 - 7F | VARIATION SEND | 0 - 127 | |
| 3n pp 08 | 1 | 28 - 58 | NOTE SHIFT | -24 - +24[semitones] | |
| 3n pp 09 | 1 | 00 - 7F | FILTER CUTOFF FREQUENCY | -64 - +63 | |
| 3n pp 0A | 1 | 00 - 7F | FILTER RESONANCE | -64 - +63 | |
| 3n pp 0B | 1 | 00 - 7F | EG ATTACK TIME | -64 - +63 | |
| 3n pp 0C | 1 | 00 - 7F | EG DECAY TIME | -64 - +63 | |
| 3n pp 0D | 1 | 00 - 7F | EG RELEASE TIME | -64 - +63 | |
| 3n pp 0E | 1 | 00 - 7F | VIBRATO RATE | -64 - +63 | |
| 3n pp 0F | 1 | 00 - 7F | VIBRATO DEPTH | -64 - +63 | |
| 3n pp 10 | 1 | 00 - 7F | VIBRATO DELAY | -64 - +63 | |
| 3n pp 11 | 2 | 00 - FF | DETUNE | -12.8 - +12.7[Hz] | |
| | | | | 1st bit3-0->bit7-4 | |
| | | | | 2st bit3-0->bit3-0 | |
| | | | Rev NOTE MESSAGE | 1st bit6 : 0/OFF,1/ON | |

MU50 MIDI Data Format

| | | | | |
|----------|---|---------|------------------------|---------------------------|
| | | | MONO/POLY MODE | 1st bit5 : 0/MONO, 1/POLY |
| | | | PORTAMENTO SWITCH | 1st bit4 : 0/OFF,1/ON |
| 3n pp 13 | 1 | 00 - 7F | PITCH EG INITIAL LEVEL | -64 - +63 |
| 3n pp 14 | 1 | 00 - 7F | PITCH EG ATTACK TIME | -64 - +63 |
| 3n pp 15 | 1 | 00 - 7F | PITCH EG RELEASE LEVEL | -64 - +63 |
| 3n pp 16 | 1 | 00 - 7F | PITCH EG RELEASE TIME | -64 - +63 |
| 3n pp 17 | 1 | 00 - 7F | MW LFO PMOD DEPTH | 0 - 127 |
| 3n pp 18 | 1 | 00 - 7F | MW LFO FMOD DEPTH | 0 - 127 |
| 3n pp 19 | 1 | 28 - 58 | BEND PITCH CONTROL | -24 - +24[semitones] |
| 3n pp 1A | 1 | 00 - 7F | AC1 FILTER CONTROL | -64 - +63 |
| 3n pp 1B | 1 | 00 - 7F | AC1 AMPLITUDE CONTROL | -64 - +63 |
| 3n pp 1C | 1 | 00 - 7F | VELOCITY SENSE DEPTH | 0 - 127 |
| 3n pp 1D | 1 | 00 - 7F | VELOCITY SENSE OFFSET | 0 - 127 |
| 3n pp 1E | 1 | 00 - 7F | NOTE LIMIT LOW | C-2 - G8 |
| 3n pp 1F | 1 | 00 - 7F | NOTE LIMIT HIGH | C-2 - G8 |
| 3n pp 20 | 1 | 00 - 7F | PORTAMENTO TIME | 0 - 127 |
| 3n pp 21 | 1 | 01 - 7F | VELOCITY LIMIT LOW | 1 - 127 |
| 3n pp 22 | 1 | 01 - 7F | VELOCITY LIMIT HIGH | 1 - 127 |

TOTAL SIZE 23

[Note]

n: performance part number (01-04)

pp:performance number (00-7F)

XG BASIC EFFECT TYPE

The following effect types are required under XG.

REVERB BLOCK

| TYPE MSB | | TYPE LSB | | |
|----------|-----|-----------|--------|-------|
| DEC | HEX | 00 | 01 | 02 |
| 000 | 0 | NO EFFECT | | |
| 001 | 1 | HALL1 | HALL2 | |
| 002 | 2 | ROOM1 | ROOM2 | ROOM3 |
| 003 | 3 | STAGE1 | STAGE2 | |
| 004 | 4 | PLATE | | |

CHORUS BLOCK

| TYPE MSB | | TYPE LSB | | |
|----------|-----|-----------|-----------|----------|
| DEC | HEX | 00 | 01 | 02 |
| 000 | 0 | NO EFFECT | | |
| 065 | 41 | CHORUS1 | CHORUS2 | CHORUS3 |
| 066 | 42 | CELESTE1 | CELESTE2 | CELESTE3 |
| 067 | 43 | FLANGER 1 | FLANGER 2 | |

VARIATION BLOCK

| TYPE MSB | | TYPE LSB | | |
|----------|-----|------------------|-----------|----------|
| DEC | HEX | 00 | 01 | 02 |
| 000 | 0 | NO EFFECT | | |
| 001 | 1 | HALL1 | HALL2 | |
| 002 | 2 | ROOM1 | ROOM2 | ROOM3 |
| 003 | 3 | STAGE1 | STAGE2 | |
| 004 | 4 | PLATE | | |
| 005 | 5 | DELAY L,C,R | | |
| 006 | 6 | DELAY L,R | | |
| 007 | 7 | ECHO | | |
| 008 | 8 | CROSS DELAY | | |
| 009 | 9 | ER1 | ER2 | |
| 010 | A | GATE REVERB | | |
| 011 | B | REVERSE GATE | | |
| 064 | 40 | THRU | | |
| 065 | 41 | CHORUS1 | CHORUS2 | CHORUS3 |
| 066 | 42 | CELESTE1 | CELESTE2 | CELESTE3 |
| 067 | 43 | FLANGER 1 | FLANGER 2 | |
| 068 | 44 | SYMPHONIC | | |
| 069 | 45 | ROTARY SPEAKER | | |
| 070 | 46 | TREMOLO | | |
| 071 | 47 | AUTO PAN | | |
| 072 | 48 | PHASER | | |
| 073 | 49 | DISTORTION | | |
| 074 | 4A | OVER DRIVE | | |
| 075 | 4B | AMP SIMULATOR | | |
| 076 | 4C | 3BAND EQ(MONO) | | |
| 077 | 4D | 2BAND EQ(STEREO) | | |
| 078 | 4E | AUTO WAH(LFO) | | |

XG Voice List

Bank Select MSB=000 KSP LSB=Bank Number Stereo

| Instrument Group | Pgm | Bank 0 | | Bank 1 | | Bank 3 | | Bank 6 | | Bank 8 | | Bank 12 | | Bank 14 | | Bank 16 | | Bank 17 | | Bank 18 | | Bank 19 | | Bank 20 | | | |
|----------------------|-----|-----------|------|----------|------|--------|------|----------|----------|--------|---------|---------|------|---------|------|---------|----------|---------|------|---------|----------|----------|------|---------|----------|------|--|
| | | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | Elem | |
| Piano | 1 | GrandPno | 1 | GrndPnoK | 1 | | | | | | | | | | | | | | | | MelloGrp | 1 | | | | | |
| | 2 | BritePno | 1 | BritPnoK | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | E.Grand | 2 | ElGrPnoK | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | HnkyTonk | 2 | HnkyTnkK | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | E.Piano1 | 2 | EL.Pno1K | 1 | | | | | | | | | | | | | | | | | MelloEP1 | 2 | | | | |
| | 6 | E.Piano2 | 2 | EL.Pno2K | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | Harpsi. | 1 | Harpsi.K | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | Clavi. | 2 | Clavi. K | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Chromatic Percussion | 9 | Celesta | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | Glocken | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | MusicBox | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | Vibes | 1 | VibesK | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | Marimba | 1 | MarimbaK | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | Xylophon | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | TubulBel | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | Dulcimer | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Organ | 17 | DrawOrgn | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | PercOrgn | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 19 | RockOrgn | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | ChrchOrg | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 | ReedOrgn | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | Acordion | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | Harmnica | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | TangoAcid | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Guitar | 25 | NylonGtr | 1 | | | | | | | | | | | | | | NylonGt2 | 1 | | | | | | | | | |
| | 26 | SteelGtr | 1 | | | | | | | | | | | | | | SteelGt2 | 1 | | | | | | | | | |
| | 27 | Jazz Gtr | 1 | | | | | | | | | | | | | | | | | | | MelloGtr | 1 | | | | |
| | 28 | CleanGtr | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 29 | Mute.Gtr | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | Ovrdrive | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 31 | Dist.Gtr | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 32 | GtrHarmo | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Bass | 33 | Aco.Bass | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 34 | FngrBass | 1 | | | | | | | | | | | | | | | | | | | FngrDrk | 2 | | | | |
| | 35 | PickBass | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 36 | Fretless | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | SlapBas1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 38 | SlapBas2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 39 | SynBass1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | SynBass2 | 2 | | | | | | MelloSB1 | 1 | | | | | | | | | | | | SynBa1Dk | 1 | | FastResB | 1 | |
| Strings | 41 | Violin | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 42 | Viola | 1 | | | | | | | | SlowVln | 1 | | | | | | | | | | | | | | | |
| | 43 | Cello | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 44 | Contrabs | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 45 | Trem.Str | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 46 | Pizz.Str | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 47 | Harp | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 48 | Timpani | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Ensemble | 49 | Strings1 | 1 | | | | | S.Strngs | 2 | | | | | | | | | | | | | | | | | | |
| | 50 | Strings2 | 1 | | | | | S.SlwStr | 2 | | | | | | | | | | | | | | | | | | |
| | 51 | Syn.Str1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 52 | Syn.Str2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 53 | ChoirAah | 1 | | | | | S.Choir | 2 | | | | | | | | | | | | | | | | | | |
| | 54 | VoiceOoh | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Brass | 55 | SynVoice | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 56 | Orch.Hit | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 57 | Trumpet | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 58 | Trombone | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 59 | Tuba | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | Mute.Trp | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 61 | Fr.Horn | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 62 | BrasSect | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 63 | SynBras1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 64 | SynBras2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |

: Same as Bank 0

Bank Select MSB=000 LSB=Bank Number

| Instrument Group | Pgm | Attack | | Release | | Rezo Sweep | | Muted | | Detune 1 | | Detune 2 | | Detune 3 | | Octave 1 | | Octave 2 | | 5th 1 | | 5th 2 | | Bend | | |
|------------------|-----|---------|------|---------|------|------------|------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|---------|------|---------|------|---------|------|--|
| | | Bank 24 | Elem | Bank 25 | Elem | Bank 27 | Elem | Bank 28 | Elem | Bank 32 | Elem | Bank 33 | Elem | Bank 34 | Elem | Bank 35 | Elem | Bank 36 | Elem | Bank 37 | Elem | Bank 38 | Elem | Bank 39 | Elem | |
| Piano | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chromatic | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percussion | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organ | 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 19 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guitar | 25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 26 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bass | 33 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 34 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 38 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Strings | 41 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 43 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 44 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 45 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 46 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 47 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 48 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ensemble | 49 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 51 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 52 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 53 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 55 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brass | 57 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 58 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 59 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 61 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 62 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 63 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 64 | | | | | | | | | | | | | | | | | | | | | | | | | |

Bank Select MSB=000 LSB=Bank Number
Tutti

| Instrument Group | Pgm | Bank 40 | | Bank 41 | | Bank 42 | | Velo-Switch | | Velo-Xfade | | other wave | | Bank 64 | | Bank 65 | | Bank 66 | | Bank 67 | | Bank 68 | | Bank 69 | | Bank 70 | | Elem |
|----------------------|-----|----------|---|----------|---|----------|---|-------------|--|------------|----------|------------|----------|---------|----------|---------|----------|---------|----------|---------|--|---------|--|---------|--|---------|--|------|
| | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | Elem | | |
| Piano | 1 | PianoStr | 2 | Dream | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | ElGrPno1 | 2 | ElGrPno2 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | HardELP | 2 | | | | | | | | VX ELP1 | 2 | 60sELP | 1 | | | | | | | | | | | | | | |
| | 6 | DX Phase | 2 | DX+Analg | 2 | DXKotoEP | 2 | | | | VX ELP2 | 2 | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | PulseClv | 1 | PierceCl | 2 | | | | | | | | | | | | |
| Chromatic Percussion | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | Orgel | 2 | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | HardVibe | 2 | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | SineMrmb | 2 | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organ | 17 | 16+2"2/3 | 2 | | | | | | | | | | Organ Ba | 1 | 70sDrOr2 | 2 | CheezOrg | 2 | DrawOrg3 | 2 | | | | | | | | |
| | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 19 | | | | | | | | | | | | RotaryOr | 2 | SloRotar | 2 | FstRotar | 2 | | | | | | | | | | |
| | 20 | NotreDam | 2 | | | | | | | | | | OrgFlute | 2 | TrmOrgFl | 2 | | | | | | | | | | | | |
| | 21 | Puff Org | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guitar | 25 | | | | | | | | | | VelGtHrm | 2 | | | TngoAcd2 | 2 | | | | | | | | | | | | |
| | 26 | Nyln&Stl | 2 | Stl&Body | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 29 | FunkGtr1 | 2 | MuteStlG | 2 | | | | | | FunkGtr2 | 2 | Jazz Man | 1 | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | Gt.Pinch | 2 | | | | | | | | | | | | | | | | |
| | 31 | FeedbkGt | 2 | FeedbkG2 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bass | 33 | JazzRthm | 2 | | | | | | | | | | VXUprght | 2 | | | | | | | | | | | | | | |
| | 34 | Ba&DstEG | 2 | | | | | | | | FngrSlap | 2 | FngBass2 | 2 | | | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 39 | TeknoBa | 2 | | | | | | | | | | | | Oscar | 2 | SqrBass | 2 | RubberBa | 2 | | | | | | | | |
| | 40 | ModulrBa | 2 | DX Bass | 2 | | | | | | | | | | X WireBa | 2 | | | | | | | | | | | | |
| Strings | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 45 | Susp Str | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 47 | YangChin | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ensemble | 49 | Orchestr | 2 | Orchstr2 | 2 | TremOrch | 2 | | | | | | VeloStr | 2 | | | | | | | | | | | | | | |
| | 50 | Warm Str | 2 | Kingdom | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 53 | ChoirStr | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 55 | SynVox2 | 2 | Choral | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | | | | | | | | | | | AnaVoice | 1 | Impact | 2 | | | | | | | | | | |
| Brass | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 62 | BrssSec2 | 2 | HiBrass | 2 | MelloBrs | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 63 | | | | | | | | | | | | AnaVelBr | 2 | AnaBrss1 | 2 | | | | | | | | | | | | |
| | 64 | SynBras4 | 2 | ChorBrss | 2 | | | | | | | | VelBras2 | 2 | AnaBrss2 | 2 | | | | | | | | | | | | |

Bank Select MSB=000 LSB=Bank Number

| Instrument Group | Pgm | Bank 71 | Elem | Bank 72 | Elem | Bank 96 | Elem | Bank 97 | Elem | Bank 98 | Elem | Bank 99 | Elem | Bank 100 | Elem | Bank 101 | Elem |
|----------------------|-----|---------|------|---------|------|----------|------|----------|------|----------|------|---------|------|----------|------|----------|------|
| Piano | 1 | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | |
| Chromatic Percussion | 9 | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | Balafon2 | 2 | Log Drum | 2 | | | | | | |
| | 14 | | | | | | | | | | | | | | | | |
| | 15 | | | | | ChrchBel | 2 | Carillon | 2 | | | | | | | | |
| | 16 | | | | | Cimbalom | 2 | Santur | 2 | | | | | | | | |
| Organ | 17 | | | | | | | | | | | | | | | | |
| | 18 | | | | | | | | | | | | | | | | |
| | 19 | | | | | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | | | | | |
| | 21 | | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | | |
| Guitar | 25 | | | | | Ukulele | 1 | | | | | | | | | | |
| | 26 | | | | | Mandolin | 2 | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | | | |
| | 31 | | | | | | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | | | | | |
| Bass | 33 | | | | | | | | | | | | | | | | |
| | 34 | | | | | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | | | | | |
| | 36 | | | | | SynFretl | 2 | Smooth | 2 | | | | | | | | |
| | 37 | | | | | | | | | | | | | | | | |
| | 38 | | | | | | | | | | | | | | | | |
| | 39 | | | | | Hammer | 2 | | | | | | | | | | |
| | 40 | | | | | | | | | | | | | | | | |
| Strings | 41 | | | | | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | | | | | |
| | 43 | | | | | | | | | | | | | | | | |
| | 44 | | | | | | | | | | | | | | | | |
| | 45 | | | | | | | | | | | | | | | | |
| | 46 | | | | | | | | | | | | | | | | |
| | 47 | | | | | | | | | | | | | | | | |
| | 48 | | | | | | | | | | | | | | | | |
| Ensemble | 49 | | | | | | | | | | | | | | | | |
| | 50 | | | | | | | | | | | | | | | | |
| | 51 | | | | | | | | | | | | | | | | |
| | 52 | | | | | | | | | | | | | | | | |
| | 53 | | | | | | | | | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | |
| | 55 | | | | | | | | | | | | | | | | |
| | 56 | | | | | | | | | | | | | | | | |
| Brass | 57 | | | | | | | | | | | | | | | | |
| | 58 | | | | | | | | | | | | | | | | |
| | 59 | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | |
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| | 62 | | | | | | | | | | | | | | | | |
| | 63 | | | | | | | | | | | | | | | | |
| | 64 | | | | | | | | | | | | | | | | |

Bank Select MSB=064 LSB=000 SFX

| Pgm | Bank 0 | Elem |
|-----|----------|------|
| 1 | CuttngNz | 1 |
| 2 | CtngNz2 | 2 |
| 3 | | |
| 4 | Str Slap | 1 |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | Fl.KClik | 1 |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | | |
| 33 | Rain | 1 |
| 34 | Thunder | 1 |
| 35 | Wind | 1 |
| 36 | Stream | 2 |
| 37 | Bubble | 2 |
| 38 | Feed | 2 |
| 39 | | |
| 40 | | |
| 41 | | |
| 42 | | |
| 43 | | |
| 44 | | |
| 45 | | |
| 46 | | |
| 47 | | |
| 48 | | |
| 49 | Dog | 1 |
| 50 | Horse | 1 |
| 51 | Bird 2 | 1 |
| 52 | | |
| 53 | | |
| 54 | | |
| 55 | Ghost | 2 |
| 56 | Maou | 2 |
| 57 | | |
| 58 | | |
| 59 | | |
| 60 | | |
| 61 | | |
| 62 | | |
| 63 | | |
| 64 | | |

: No sound

Bank Select MSB=000 LSB=Bank Number

| Instrument Group | Pgm | Bank 0 | Elem | KSP | | Stereo | | Single | | Slow | | Fast Decay | | Double Attack | | Bright | | Dark | | Rsonant | | |
|------------------|-----|-----------|------|--------|------|--------|------|----------|------|----------|------|------------|------|---------------|------|----------|---------|----------|----------|---------|----------|---------|
| | | | | Bank 1 | Elem | Bank 3 | Elem | Bank 6 | Elem | Bank 8 | Elem | Bank 12 | Elem | Bank 14 | Elem | Bank 16 | Elem | Bank 17 | Elem | Bank 18 | Elem | Bank 19 |
| Reed | 65 | SprnoSax | 1 | | | | | | | | | | | | | | | | | | | |
| | 66 | Alto Sax | 1 | | | | | | | | | | | | | | | | | | | |
| | 67 | TenorSax | 1 | | | | | | | | | | | | | | | | | | | |
| | 68 | Bari.Sax | 1 | | | | | | | | | | | | | | | | | | | |
| | 69 | Oboe | 2 | | | | | | | | | | | | | | | | | | | |
| | 70 | Eng.Horn | 1 | | | | | | | | | | | | | | | | | | | |
| | 71 | Bassoon | 1 | | | | | | | | | | | | | | | | | | | |
| | 72 | Clarinet | 1 | | | | | | | | | | | | | | | | | | | |
| Pipe | 73 | Piccolo | 1 | | | | | | | | | | | | | | | | | | | |
| | 74 | Flute | 1 | | | | | | | | | | | | | | | | | | | |
| | 75 | Recorder | 1 | | | | | | | | | | | | | | | | | | | |
| | 76 | PanFlute | 1 | | | | | | | | | | | | | | | | | | | |
| | 77 | Bottle | 2 | | | | | | | | | | | | | | | | | | | |
| | 78 | Shakhchi | 2 | | | | | | | | | | | | | | | | | | | |
| | 79 | Whistle | 1 | | | | | | | | | | | | | | | | | | | |
| | 80 | Ocarina | 1 | | | | | | | | | | | | | | | | | | | |
| Synth Lead | 81 | SquareLd | 2 | | | | | Square 2 | 1 | LMSquare | 2 | | | | | | Hollow | 1 | Shmoog | 2 | | |
| | 82 | Saw.Lead | 2 | | | | | Saw 2 | 1 | ThickSaw | 2 | | | | | | DynaSaw | 1 | DigiSaw | 2 | Big Lead | 2 |
| | 83 | CaliopLd | 2 | | | | | | | | | | | | | | | | | | | |
| | 84 | Chiff Ld | 2 | | | | | | | | | | | | | | | | | | | |
| | 85 | CharanLd | 2 | | | | | | | | | | | | | | | | | | | |
| | 86 | Voice Ld | 2 | | | | | | | | | | | | | | | | | | | |
| | 87 | Fifth Ld | 2 | | | | | | | | | | | | | | | | | | | |
| | 88 | Bass &Ld | 2 | | | | | | | | | | | | | Big&Low | 2 | | | | | |
| Synth Pad | 89 | NewAgePd | 2 | | | | | | | | | | | | | | | | | | | |
| | 90 | Warm Pad | 2 | | | | | | | | | | | | | ThickPad | 2 | Soft Pad | 2 | SinePad | 2 | |
| | 91 | PolySyPd | 2 | | | | | | | | | | | | | | | | | | | |
| | 92 | ChoirPad | 2 | | | | | | | | | | | | | | | | | | | |
| | 93 | BowedPad | 2 | | | | | | | | | | | | | | | | | | | |
| | 94 | MetalPad | 2 | | | | | | | | | | | | | | | | | | | |
| | 95 | Halo Pad | 2 | | | | | | | | | | | | | | | | | | | |
| | 96 | SweepPad | 2 | | | | | | | | | | | | | | | | | | | |
| Synth Effects | 97 | Rain | 2 | | | | | | | | | | | | | | | | | | Shwimmer | 2 |
| | 98 | SoundTrk | 2 | | | | | | | | | | | | | | | | | | | |
| | 99 | Crystal | 2 | | | | | | | | | SynDrCmp | 2 | Popcorn | 2 | | | | TinyBell | 2 | | |
| | 100 | Atmosphr | 2 | | | | | | | | | | | | | | | | WarmAtms | 2 | HollwRls | 2 |
| | 101 | Bright | 2 | | | | | | | | | | | | | | | | | | | |
| | 102 | Goblins | 2 | | | | | | | | | | | | | | | | | | | |
| | 103 | Echoes | 2 | | | | | EchoPad2 | 2 | | | | | Echo Pan | 2 | | | | | | | |
| | 104 | Sci-Fi | 2 | | | | | | | | | | | | | | | | | | | |
| Ethnic | 105 | Sitar | 1 | | | | | | | | | | | | | | | | | | | |
| | 106 | Banjo | 1 | | | | | | | | | | | | | | | | | | | |
| | 107 | Shamisen | 1 | | | | | | | | | | | | | | | | | | | |
| | 108 | Koto | 1 | | | | | | | | | | | | | | | | | | | |
| | 109 | Kalimba | 1 | | | | | | | | | | | | | | | | | | | |
| | 110 | Bagpipe | 2 | | | | | | | | | | | | | | | | | | | |
| | 111 | Fiddle | 1 | | | | | | | | | | | | | | | | | | | |
| | 112 | Shanai | 1 | | | | | | | | | | | | | | | | | | | |
| Percussive | 113 | TnkIBell | 2 | | | | | | | | | | | | | | | | | | | |
| | 114 | Agogo | 2 | | | | | | | | | | | | | | | | | | | |
| | 115 | SteelDrm | 2 | | | | | | | | | | | | | | | | | | | |
| | 116 | WoodBlok | 1 | | | | | | | | | | | | | | | | | | | |
| | 117 | TaikoDrm | 1 | | | | | | | | | | | | | | | | | | | |
| | 118 | MelodTom | 2 | | | | | | | | | | | | | | | | | | | |
| | 119 | Syn.Drum | 1 | | | | | | | | | | | | | | | | | | | |
| | 120 | RevCymb | 1 | | | | | | | | | | | | | | | | | | | |
| Sound Effects | 121 | FretNoiz | 2 | | | | | | | | | | | | | | | | | | | |
| | 122 | BrthNoiz | 2 | | | | | | | | | | | | | | | | | | | |
| | 123 | Seashore | 2 | | | | | | | | | | | | | | | | | | | |
| | 124 | Tweet | 2 | | | | | | | | | | | | | | | | | | | |
| | 125 | Telephone | 1 | | | | | | | | | | | | | | | | | | | |
| | 126 | Helicptr | 1 | | | | | | | | | | | | | | | | | | | |
| | 127 | Applause | 1 | | | | | | | | | | | | | | | | | | | |
| | 128 | Gunshot | 1 | | | | | | | | | | | | | | | | | | | |

: Same as Bank 0

| Instrument Group | Pgm | Bank Select MSB=000 | | LSB=Bank Number | | Muted | Detune 1 | | Detune 2 | | Detune 3 | | Octave 1 | | Octave 2 | | 5th 1 | | 5th 2 | | Bend | | | | | | | |
|------------------|-----|---------------------|---------|-----------------|----------|-------|----------|----------|----------|------|----------|------|----------|------|----------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | Attack | Release | Rezo | Sweep | | Bank 24 | Elem | Bank 25 | Elem | Bank 27 | Elem | Bank 28 | Elem | Bank 32 | Elem | Bank 33 | Elem | Bank 34 | Elem | Bank 35 | Elem | Bank 36 | Elem | Bank 37 | Elem | Bank 38 | Elem |
| Reed | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipe | 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synth Lead | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 82 | HeavySyn | 2 | WaspySyn | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 86 | SynthAah | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 87 | | | | | | | | | | | | | | Big Five | 2 | | | | | | | | | | | | |
| | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synth Pad | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 96 | | | | Converge | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Synth Effects | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 98 | | | | Prologue | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 99 | | | | | | | | | | | | | | RndGlock | 2 | | | | | | | | | | | | |
| | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ethnic | 105 | | | | | | | | DetSitar | 2 | | | | | Sitar 2 | 2 | | | | | | | | | | | | |
| | 106 | | | | | | | MuteBnjo | 1 | | | | | | | | | | | | | | | | | | | |
| | 107 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 108 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 109 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percussive | 113 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 114 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 116 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 117 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 118 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 119 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sound Effects | 121 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 128 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Bank Select MSB=000 LSB=Bank Number

| Instrument Group | Pgm | Tutti | | Velo-Switch | | Velo-Xfade | | other wave | | Bank 64 | | Bank 65 | | Bank 66 | | Bank 67 | | Bank 68 | | Bank 69 | | Bank 70 | |
|------------------|-----|----------|------|-------------|------|------------|------|------------|------|----------|----------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | | Bank 40 | Elem | Bank 41 | Elem | Bank 42 | Elem | Bank 43 | Elem | Bank 45 | Elem | Bank 64 | Elem | Bank 65 | Elem | Bank 66 | Elem | Bank 67 | Elem | Bank 68 | Elem | Bank 69 | Elem |
| Reed | 65 | | | | | | | | | | | | | | | | | | | | | | |
| | 66 | Sax Sect | 2 | | | | | HyprAlto | 2 | | | | | | | | | | | | | | |
| | 67 | BrthTnSx | 2 | SoftTenr | 2 | | | | | | TnrSax 2 | 1 | | | | | | | | | | | |
| | 68 | | | | | | | | | | | | | | | | | | | | | | |
| | 69 | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | | | | | | | | | | | | | | | | | | | | | | |
| | 71 | | | | | | | | | | | | | | | | | | | | | | |
| | 72 | | | | | | | | | | | | | | | | | | | | | | |
| Pipe | 73 | | | | | | | | | | | | | | | | | | | | | | |
| | 74 | | | | | | | | | | | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | | | | | | | | | | | |
| | 76 | | | | | | | | | | | | | | | | | | | | | | |
| | 77 | | | | | | | | | | | | | | | | | | | | | | |
| | 78 | | | | | | | | | | | | | | | | | | | | | | |
| | 79 | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | | | | | | | | | | | | | | | | | | | | | | |
| Synth Lead | 81 | | | | | | | | | | | Mellow | 2 | SoloSine | 2 | SineLead | 1 | | | | | | |
| | 82 | PulseSaw | 2 | Dr. Lead | 2 | | | | | VeloLead | 2 | | | Pure Pad | 2 | | | | | | | | |
| | 83 | | | | | | | | | | | | | | | | | | | | | | |
| | 84 | | | | | | | | | | | | | Rubby | 2 | | | | | | | | |
| | 85 | | | | | | | | | | | | | DistLead | 2 | WireLead | 2 | | | | | | |
| | 86 | | | | | | | | | | | | | VoxLead | 2 | | | | | | | | |
| | 87 | | | | | | | | | | | | | | | | | | | | | | |
| | 88 | | | | | | | | | | | | | Fat&Prky | 2 | SoftWurl | 2 | | | | | | |
| Synth Pad | 89 | | | | | | | | | | | | | Fantasy2 | 2 | | | | | | | | |
| | 90 | | | | | | | | | | | | | Horn Pad | 2 | RotarStr | 2 | | | | | | |
| | 91 | | | | | | | | | | | | | PolyPd80 | 2 | ClickPad | 2 | Ana Pad | 2 | SquarPad | 2 | | |
| | 92 | | | | | | | | | | | | | Heaven2 | 2 | | | Itopia | 2 | CC Pad | 2 | | |
| | 93 | | | | | | | | | | | | | Glacier | 2 | GlassPad | 2 | | | | | | |
| | 94 | | | | | | | | | | | | | Tine Pad | 2 | Pan Pad | 2 | | | | | | |
| | 95 | | | | | | | | | | | | | | | | | | | | | | |
| | 96 | | | | | | | | | | | | | PolarPad | 2 | | | Celstial | 2 | | | | |
| Synth Effects | 97 | | | | | | | | | | | | | ClaviPad | 2 | | | HrmoRain | 2 | AfrcnWnd | 2 | | |
| | 98 | | | | | | | | | | | | | Ancestrl | 2 | | | | | | | | |
| | 99 | GlockChi | 2 | ClearBel | 2 | ChorBell | 2 | | | | | | | SynMalet | 1 | SftCryst | 2 | LoudGlok | 2 | XmasBell | 2 | VibeBell | 2 |
| | 100 | NylonEP | 2 | | | | | | | | | | | NylnHarp | 2 | Harp Vox | 2 | AtmosPad | 2 | Planet | 2 | DigiBell | 2 |
| | 101 | | | | | | | | | | | | | FantaBel | 2 | | | | | | | | |
| | 102 | | | | | | | | | | | | | GobSyn | 2 | 50sSGiFi | 2 | Ring Pad | 2 | Ritual | 2 | ToHeaven | 2 |
| | 103 | | | | | | | | | | | | | EchoBell | 2 | Big Pan | 2 | SynPiano | 2 | Creation | 2 | Stardust | 2 |
| | 104 | | | | | | | | | | | | | Starz | 2 | | | | | | | Reso Pan | 2 |
| Ethnic | 105 | | | | | | | | | | | | | | | | | | | | | | |
| | 106 | | | | | | | | | | | | | | | | | | | | | | |
| | 107 | | | | | | | | | | | | | | | | | | | | | | |
| | 108 | | | | | | | | | | | | | | | | | | | | | | |
| | 109 | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | | | | | | | | | | | | | | | | | | | | | | |
| | 111 | | | | | | | | | | | | | | | | | | | | | | |
| | 112 | | | | | | | | | | | | | | | | | | | | | | |
| Percussive | 113 | | | | | | | | | | | | | | | | | | | | | | |
| | 114 | | | | | | | | | | | | | | | | | | | | | | |
| | 115 | | | | | | | | | | | | | | | | | | | | | | |
| | 116 | | | | | | | | | | | | | | | | | | | | | | |
| | 117 | | | | | | | | | | | | | | | | | | | | | | |
| | 118 | | | | | | | | | | | | | | | | | | | | | | |
| | 119 | | | | | | | | | | | | | | | | | | | | | | |
| | 120 | | | | | | | | | | | | | | | | | | | | | | |
| Sound Effects | 121 | | | | | | | | | | | | | | | | | | | | | | |
| | 122 | | | | | | | | | | | | | | | | | | | | | | |
| | 123 | | | | | | | | | | | | | | | | | | | | | | |
| | 124 | | | | | | | | | | | | | | | | | | | | | | |
| | 125 | | | | | | | | | | | | | | | | | | | | | | |
| | 126 | | | | | | | | | | | | | | | | | | | | | | |
| | 127 | | | | | | | | | | | | | | | | | | | | | | |
| | 128 | | | | | | | | | | | | | | | | | | | | | | |

Bank Select MSB=000 LSB=Bank Number

| Instrument Group | Pgm | Bank 71 | Elem | Bank 72 | Elem | Bank 96 | Elem | Bank 97 | Elem | Bank 98 | Elem | Bank 99 | Elem | Bank 100 | Elem | Bank 101 | Elem |
|------------------|-----|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| Reed | 65 | | | | | | | | | | | | | | | | |
| | 66 | | | | | | | | | | | | | | | | |
| | 67 | | | | | | | | | | | | | | | | |
| | 68 | | | | | | | | | | | | | | | | |
| | 69 | | | | | | | | | | | | | | | | |
| | 70 | | | | | | | | | | | | | | | | |
| | 71 | | | | | | | | | | | | | | | | |
| | 72 | | | | | | | | | | | | | | | | |
| Pipe | 73 | | | | | | | | | | | | | | | | |
| | 74 | | | | | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | | | | | |
| | 76 | | | | | | | | | | | | | | | | |
| | 77 | | | | | | | | | | | | | | | | |
| | 78 | | | | | | | | | | | | | | | | |
| | 79 | | | | | | | | | | | | | | | | |
| | 80 | | | | | | | | | | | | | | | | |
| Synth Lead | 81 | | | | | | | | | | | | | | | | |
| | 82 | | | | | Seq Ana | 2 | | | | | | | | | | |
| | 83 | | | | | | | | | | | | | | | | |
| | 84 | | | | | | | | | | | | | | | | |
| | 85 | | | | | | | | | | | | | | | | |
| | 86 | | | | | | | | | | | | | | | | |
| | 87 | | | | | | | | | | | | | | | | |
| | 88 | | | | | | | | | | | | | | | | |
| Synth Pad | 89 | | | | | | | | | | | | | | | | |
| | 90 | | | | | | | | | | | | | | | | |
| | 91 | | | | | | | | | | | | | | | | |
| | 92 | | | | | | | | | | | | | | | | |
| | 93 | | | | | | | | | | | | | | | | |
| | 94 | | | | | | | | | | | | | | | | |
| | 95 | | | | | | | | | | | | | | | | |
| | 96 | | | | | | | | | | | | | | | | |
| Synth Effects | 97 | | | | | | | | | | | | | | | | |
| | 98 | | | | | | | | | | | | | | | | |
| | 99 | BellHarp | 2 | Gamelmba | 2 | | | | | | | | | | | | |
| | 100 | | | | | | | | | | | | | | | | |
| | 101 | | | | | Smokey | 2 | | | | | | | | | | |
| | 102 | Glisten | 2 | | | BelChoir | 2 | | | | | | | | | | |
| | 103 | | | | | | | | | | | | | | | | |
| | 104 | | | | | | | | | | | | | | | | |
| Ethnic | 105 | | | | | Tambra | 2 | Tamboura | 2 | | | | | | | | |
| | 106 | | | | | Rabab | 2 | Gopichnt | 2 | Oud | 2 | | | | | | |
| | 107 | | | | | | | | | | | | | | | | |
| | 108 | | | | | T. Koto | 2 | Kanoon | 2 | | | | | | | | |
| | 109 | | | | | | | | | | | | | | | | |
| | 110 | | | | | | | | | | | | | | | | |
| | 111 | | | | | | | | | | | | | | | | |
| | 112 | | | | | Pungi | 1 | Hichriki | 2 | | | | | | | | |
| Percussive | 113 | | | | | Bonang | 2 | Gender | 2 | Gamelan | 2 | S.Gamlan | 2 | Rama Cym | 2 | AsianBel | 2 |
| | 114 | | | | | | | | | | | | | | | | |
| | 115 | | | | | | | GlasPerc | 2 | ThaiBell | 2 | | | | | | |
| | 116 | | | | | Castanet | 1 | | | | | | | | | | |
| | 117 | | | | | Gr.Cassa | 1 | | | | | | | | | | |
| | 118 | | | | | | | | | | | | | | | | |
| | 119 | | | | | | | | | | | | | | | | |
| | 120 | | | | | | | | | | | | | | | | |
| Sound Effects | 121 | | | | | | | | | | | | | | | | |
| | 122 | | | | | | | | | | | | | | | | |
| | 123 | | | | | | | | | | | | | | | | |
| | 124 | | | | | | | | | | | | | | | | |
| | 125 | | | | | | | | | | | | | | | | |
| | 126 | | | | | | | | | | | | | | | | |
| | 127 | | | | | | | | | | | | | | | | |
| | 128 | | | | | | | | | | | | | | | | |

Bank Select MSB=064 LSB=000 SFX

| Pgm | Bank 0 | Elem |
|-----|-----------|------|
| 65 | Tel.Dial | 1 |
| 66 | DoorSqek | 1 |
| 67 | Door Slam | 1 |
| 68 | Scratch | 1 |
| 69 | Scratch 2 | 2 |
| 70 | WindChm | 1 |
| 71 | Telphon2 | 1 |
| 72 | | |
| 73 | | |
| 74 | | |
| 75 | | |
| 76 | | |
| 77 | | |
| 78 | | |
| 79 | | |
| 80 | | |
| 81 | CarEngin | 1 |
| 82 | Car Stop | 1 |
| 83 | Car Pass | 1 |
| 84 | CarCrash | 1 |
| 85 | Siren | 2 |
| 86 | Train | 1 |
| 87 | Jetplane | 2 |
| 88 | Starship | 2 |
| 89 | Burst | 2 |
| 90 | Coaster | 2 |
| 91 | SbMarine | 2 |
| 92 | | |
| 93 | | |
| 94 | | |
| 95 | | |
| 96 | | |
| 97 | Laughing | 1 |
| 98 | Scream | 1 |
| 99 | Punch | 1 |
| 100 | Heart | 1 |
| 101 | FootStep | 1 |
| 102 | | |
| 103 | | |
| 104 | | |
| 105 | | |
| 106 | | |
| 107 | | |
| 108 | | |
| 109 | | |
| 110 | | |
| 111 | | |
| 112 | | |
| 113 | MchinGun | 1 |
| 114 | LaserGun | 2 |
| 115 | Xplosion | 2 |
| 116 | FireWork | 2 |
| 117 | | |
| 118 | | |
| 119 | | |
| 120 | | |
| 121 | | |
| 122 | | |
| 123 | | |
| 124 | | |
| 125 | | |
| 126 | | |
| 127 | | |
| 128 | | |

: No sound

TG300B Voice List

Bank Select MSB=Bank Number LSB=000

| Instrument Group | Pgm | Bank0 | Elem | Bank 1 | Elem | Bank 2 | Elem | Bank 3 | Elem | Bank 4 | Elem | Bank 5 | Elem | Bank 6 | Elem | Bank 7 | Elem | Bank 8 | Elem | Bank 9 | Elem | Bank 10 | Elem | Bank 11 | Elem | | |
|------------------|-----|-----------|------|-----------|------|----------|------|----------|------|----------|------|--------|------|--------|------|--------|------|-----------|------|----------|------|----------|------|----------|------|--|--|
| Piano | 1 | GrandPno | 1 | | | | | | | | | | | | | | | GrndPnoK | 1 | | | | | | | | |
| | 2 | BritePno | 1 | | | | | | | | | | | | | | | BritPnoK | 1 | | | | | | | | |
| | 3 | E.Grand | 2 | EiGrPno1 | 2 | EiGrPno2 | 2 | | | | | | | | | | | EiGrPnoK | 2 | | | | | | | | |
| | 4 | HnkyTonk | 2 | | | | | | | | | | | | | | | HnkyTnkK | 2 | | | | | | | | |
| | 5 | E.Piano1 | 2 | | | | | | | | | | | | | | | Chor.EP1 | 2 | | | | | | | | |
| | 6 | E.Piano2 | 2 | | | | | | | | | | | | | | | Chor.EP2 | 2 | | | | | | | | |
| | 7 | Harpsi. | 1 | | | | | | | | | | | | | | | Harpsi.3 | 2 | | | | | | | | |
| | 8 | Clavi. | 2 | | | | | | | | | | | | | | | Clavi. K | 1 | | | | | | | | |
| Chromatic | 9 | Celesta | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Percussion | 10 | Glocken | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | MusicBox | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | Vibes | 1 | Hard Vibe | 2 | | | | | | | | | | | | | VibesK | 1 | | | | | | | | |
| | 13 | Marimba | 1 | | | | | | | | | | | | | | | MarimbaK | 1 | | | | | | | | |
| | 14 | Xylophon | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | TubulBel | 1 | | | | | | | | | | | | | | | ChrchBel | 2 | Carillon | 2 | | | | | | |
| | 16 | Dulcimer | 1 | Dulcimr | 2 | 2 | | | | | | | | | | | | Cimbalom | 2 | | | | | | | | |
| Organ | 17 | DrawOrgn | 1 | 70sDrOr1 | 2 | 2 | | | | | | | | | | | | DetDrwOr | 2 | 70sDrOr2 | 2 | | | | | | |
| | 18 | PercOrgn | 1 | 70sPcOr1 | 2 | 2 | | | | | | | | | | | | DetPrcOr | 2 | | | | | | | | |
| | 19 | RockOrgn | 2 | | | | | | | | | | | | | | | RotaryOr | 2 | | | | | | | | |
| | 20 | ChrchOrg | 2 | | | | | | | | | | | | | | | ChurOrg2 | 2 | | | | | | | | |
| | 21 | ReedOrgn | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | Acordion | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | Harmnica | 1 | Harmo | 2 | 2 | | | | | | | | | | | | AccordIt | 2 | | | | | | | | |
| | 24 | TangoAcid | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Guitar | 25 | NylonGtr | 1 | | | | | | | | | | | | | | | Ukulele | 1 | | | | | | | | |
| | 26 | SteelGtr | 1 | | | | | | | | | | | | | | | 12StrGtr | 2 | Nyln&Stl | 2 | | | | | | |
| | 27 | Jazz Gtr | 1 | MelloGtr | 1 | | | | | | | | | | | | | PdlSteel | 1 | | | | | | | | |
| | 28 | CleanGtr | 1 | | | | | | | | | | | | | | | ChorusGt | 2 | | | | | | | | |
| | 29 | Mute.Gtr | 1 | | | | | | | | | | | | | | | FunkGtr1 | 2 | | | | | | | | |
| | 30 | Ovrdrive | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 31 | Dist.Gtr | 1 | | | | | | | | | | | | | | | FeedbkGt | 2 | FeedbGt2 | 2 | | | | | | |
| | 32 | GtrHarmo | 1 | | | | | | | | | | | | | | | GtFeedbk | 1 | | | | | | | | |
| Bass | 33 | Aco.Bass | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 34 | FngrBass | 1 | FngBass2 | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 35 | PickBass | 1 | | | | | | | | | | | | | | | MutePkBa | 1 | | | | | | | | |
| | 36 | Fretless | 1 | Fretles2 | 2 | Fretles3 | 2 | Fretles4 | 2 | SynFret1 | 2 | Smooth | 2 | | | | | | | | | | | | | | |
| | 37 | SlapBas1 | 1 | | | | | | | | | | | | | | | ResoSlap | 1 | | | | | | | | |
| | 38 | SlapBas2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 39 | SynBass1 | 1 | SynBa1Dk | 1 | | | | | | | | | | | | | AcidBass | 1 | FastResB | 1 | TeknoBa | 2 | | | | |
| | 40 | SynBass2 | 2 | ClkSynBa | 2 | ModulrBa | 2 | Seq Bass | 2 | | | | | | | | | DX Bass | 2 | X WireBa | 2 | | | | | | |
| Strings | 41 | Violin | 1 | | | | | | | | | | | | | | | SlowVln | 1 | | | | | | | | |
| | 42 | Viola | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 43 | Cello | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 44 | Contrabs | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 45 | Trem.Str | 1 | | | | | | | | | | | | | | | SlwTrStr | 1 | Susp.Str | 2 | | | | | | |
| | 46 | Pizz.Str | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 47 | Harp | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 48 | Timpani | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Ensemble | 49 | Strings1 | 1 | Slow Str | 1 | | | | | | | | | | | | | Orchestr | 2 | Orchstr2 | 2 | TremOrch | 2 | ChoirStr | 2 | | |
| | 50 | Strings2 | 1 | 70s Str | 1 | | | | | | | | | | | | | LegatoSt | 2 | Warm Str | 2 | S.SlwStr | 2 | | | | |
| | 51 | Syn.Str1 | 2 | SynStr4 | 2 | | | | | | | | | | | | | Syn Str 3 | 2 | | | | | | | | |
| | 52 | Syn.Str2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 53 | ChoirAah | 1 | | | | | | | | | | | | | | | S.Choir | 2 | MelChoir | 2 | | | | | | |
| | 54 | VoiceDoo | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 55 | SynVoice | 1 | | | | | | | | | | | | | | | SynVox2 | 2 | | | | | | | | |
| | 56 | Orch.Hit | 2 | OrchHit2 | 2 | | | | | | | | | | | | | Impact | 2 | | | | | | | | |
| Brass | 57 | Trumpet | 1 | Trumpet2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 58 | Trombone | 1 | Trmbone2 | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 59 | Tuba | 1 | Tuba 2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | Mute.Trp | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 61 | Fr.Horn | 2 | FrHorn2 | 2 | | | | | | | | | | | | | | | | | | | | | | |
| | 62 | BrasSect | 1 | | | | | | | | | | | | | | | FrHrSolo | 1 | | | | | | | | |
| | 63 | SynBras1 | 2 | PolyBrss | 2 | | | | | | | | | | | | | BrssSec2 | 2 | | | | | | | | |
| | 64 | SynBras2 | 1 | Soft Brs | 2 | | | | | | | | | | | | | SynBras3 | 2 | QuackBr | 2 | | | | | | |
| | | | | | | | | | | | | | | | | | | SynBras4 | 2 | | | | | | | | |

Bank Select MSB=Bank Number LSB=000

| Instrument Group | Pgm | Bank 16 | Elem | Bank 17 | Elem | Bank 18 | Elem | Bank 19 | Elem | Bank 24 | Elem | Bank 25 | Elem | Bank 26 | Elem | Bank 32 | Elem | Bank 33 | Elem | Bank 40 | Elem | Bank 126 | Elem | Bank 127 | Elem | |
|----------------------|-----|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|---------|------|----------|------|----------|----------|----------|----------|---|
| Piano | 1 | MelloGrP | 1 | | | | | | | | | | | | | | | | | | | A-Piano1 | 2 | a.piano1 | 1 | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | A-Piano2 | 2 | a.piano2 | 1 |
| | 3 | | | | | | | | | | | | | | | | | | | | | | A-Piano3 | 2 | a.piano3 | 1 |
| | 4 | | | | | | | | | | | | | | | | | | | | | | A-Piano4 | 2 | e.piano1 | 1 |
| | 5 | VX ELP1 | 2 | | | | | | | 60sEl.P | 1 | HardEl.P | 2 | MelloEP1 | 2 | El.Pno1K | 1 | | | | | | A-Piano5 | 1 | e.piano2 | 1 |
| | 6 | VX ELP2 | 2 | | | | | | | DX Hard | 2 | | | | | El.Pno2K | 1 | | | | | | A-Piano6 | 1 | e.piano3 | 1 |
| | 7 | Harpsi.K | 1 | | | | | | | Harpsi.2 | 2 | | | | | | | | | | | | A-Piano7 | 1 | e.piano4 | 1 |
| Chromatic Percussion | 8 | | | | | | | | | | | | | | | | | | | | | | E-Piano1 | 2 | hnkytnk | 2 |
| | 9 | | | | | | | | | | | | | | | | | | | | | | E-Piano2 | 2 | e.organ1 | 2 |
| | 10 | | | | | | | | | | | | | | | | | | | | | | E-Piano3 | 2 | e.organ2 | 2 |
| | 11 | | | | | | | | | | | | | | | | | | | | | | A-Guitr1 | 1 | e.organ3 | 1 |
| | 12 | | | | | | | | | | | | | | | | | | | | | | A-Guitr2 | 2 | e.organ4 | 1 |
| | 13 | | | Balafon2 | 2 | | | | | Log Drum | 2 | | | | | | | | | | | | A-Guitr3 | 2 | pipeorg1 | 2 |
| | 14 | | | | | | | | | | | | | | | | | | | | | | E-Guitr1 | 2 | pipeorg2 | 2 |
| | 15 | | | | | | | | | | | | | | | | | | | | | | E-Guitr2 | 1 | pipeorg3 | 2 |
| | 16 | | | | | | | | | | | | | | | | | | | | | | Slap-1 | 2 | acordion | 2 |
| Organ | 17 | 60sDrOr1 | 2 | 60sDrOr2 | 2 | 60sDrOr3 | 2 | | | CheezOrg | 2 | | | | | DrawOrg2 | 2 | EvenBar | 2 | Organ Ba | 1 | | Slap-2 | 2 | harpsi1 | 1 |
| | 18 | | | | | | | | | | | | | | | PercOrg2 | 2 | | | | | | Slap-3 | 2 | harpsi2 | 2 |
| | 19 | SloRotar | 2 | | | | | | | FstRotar | 2 | | | | | | | | | | | | Slap-4 | 2 | harpsi3 | 1 |
| | 20 | ChurOrg3 | 2 | | | | | | | OrgFlute | 2 | | | | | TrmOrgFl | 2 | | | | | | Slap-5 | 2 | clavi1 | 1 |
| | 21 | | | | | | | | | | | | | | | | | | | | | | Slap-6 | 2 | clavi2 | 1 |
| | 22 | | | | | | | | | | | | | | | | | | | | | | Slap-7 | 2 | clavi3 | 1 |
| | 23 | | | | | | | | | | | | | | | | | | | | | | Slap-8 | 2 | celesta1 | 1 |
| | 24 | | | | | | | | | | | | | | | | | | | | | | Finger-1 | 1 | celesta2 | 1 |
| Guitar | 25 | NylonGt3 | 2 | | | | | | | VelGtHrm | 2 | | | | | NylonGt2 | 1 | | | LequintG | 1 | | Finger-2 | 2 | synbras1 | 2 |
| | 26 | Mandolin | 2 | | | | | | | | | | | | | SteelGt2 | 1 | | | | | | Picked-1 | 1 | synbras2 | 2 |
| | 27 | | | | | | | | | | | | | | | | | | | | | | Picked-2 | 2 | synbras3 | 2 |
| | 28 | | | | | | | | | | | | | | | | | | | | | | FretlsBs | 1 | synbras4 | 2 |
| | 29 | FunkGtr2 | 2 | | | | | | | | | | | | | | | | | | | | A-Bass | 2 | synbass1 | 1 |
| | 30 | | | | | | | | | | | | | | | | | | | | | | Choir-1 | 1 | synbass2 | 1 |
| | 31 | | | | | | | | | | | | | | | | | | | | | | Choir-2 | 1 | synbass3 | 2 |
| | 32 | | | | | | | | | | | | | | | | | | | | | | Choir-3 | 2 | synbass4 | 1 |
| Bass | 33 | | | | | | | | | | | | | | | | | | | | | | Choir-4 | 2 | newagepd | 2 |
| | 34 | | | | | | | | | | | | | | | | | | | | | | Strngs-1 | 2 | synharmo | 2 |
| | 35 | | | | | | | | | | | | | | | | | | | | | | Strngs-2 | 2 | choir pd | 2 |
| | 36 | | | | | | | | | | | | | | | | | | | | | | Strngs-3 | 2 | bowed pd | 2 |
| | 37 | | | | | | | | | | | | | | | | | | | | | | Strngs-4 | 2 | soundtrk | 2 |
| | 38 | | | | | | | | | | | | | | | | | | | | | | E-Organ1 | 2 | atmosphr | 2 |
| | 39 | ResoBass | 1 | | | | | | | | | | | | | | | | | | | | E-Organ2 | 2 | syn warm | 2 |
| | 40 | RubberBa | 2 | SynBa2Dk | 1 | MelloSB2 | 1 | SmthBa 2 | 2 | | | | | | | | | | | | | | E-Organ3 | 2 | svnfunny | 1 |
| Strings | 41 | | | | | | | | | | | | | | | | | | | | | | E-Organ4 | 2 | synecho1 | 2 |
| | 42 | | | | | | | | | | | | | | | | | | | | | | E-Organ5 | 2 | rain | 2 |
| | 43 | | | | | | | | | | | | | | | | | | | | | | E-Organ6 | 2 | synoboe | 2 |
| | 44 | | | | | | | | | | | | | | | | | | | | | | E-Organ7 | 2 | synecho2 | 2 |
| | 45 | | | | | | | | | | | | | | | | | | | | | | E-Organ8 | 2 | synsolo | 2 |
| | 46 | | | | | | | | | | | | | | | | | | | | | | E-Organ9 | 2 | synrdorg | 2 |
| | 47 | | | | | | | | | | | | | | | | | | | | | | SoftTP-1 | 1 | synbell | 1 |
| | 48 | | | | | | | | | | | | | | | | | | | | | | SoftTP-2 | 1 | squareld | 2 |
| Ensemble | 49 | S.Strngs | 2 | | | | | | | VeloStr | 2 | | | | | | | | | | | | TP/TRB-1 | 1 | strsect1 | 2 |
| | 50 | | | | | | | | | | | | | | | | | | | | | | TP/TRB-2 | 1 | strsect2 | 2 |
| | 51 | | | | | | | | | | | | | | | | | | | | | | TP/TRB-3 | 1 | strsect3 | 2 |
| | 52 | | | | | | | | | | | | | | | | | | | | | | TP/TRB-4 | 1 | pizz.str | 1 |
| | 53 | | | | | | | | | | | | | | | Ch.Aahs2 | 2 | | | | | | TP/TRB-5 | 2 | violin1 | 2 |
| | 54 | | | | | | | | | | | | | | | | | | | | | | TP/TRB-6 | 2 | violin2 | 1 |
| | 55 | | | | | | | | | | | | | | | | | | | | | | Sax-1 | 1 | cello1 | 1 |
| | 56 | LoFiRave | 2 | | | | | | | | | | | | | | | | | | | | Sax-2 | 1 | cello2 | 1 |
| Brass | 57 | | | | | | | | | BriteTrp | 2 | WarmTrp | 2 | | | | | | | | | | Sax-3 | 1 | contrabs | 1 |
| | 58 | | | | | | | | | | | | | | | | | | | | | | Sax-4 | 2 | harp1 | 1 |
| | 59 | | | | | | | | | | | | | | | | | | | | | | Brass-1 | 1 | harp2 | 1 |
| | 60 | | | | | | | | | | | | | | | | | | | | | | Brass-2 | 1 | guitar1 | 1 |
| | 61 | HornOrch | 2 | | | | | | | | | | | | | | | | | | | | Brass-3 | 2 | guitar2 | 1 |
| | 62 | | | | | | | | | | | | | | | | | | | | | | Brass-4 | 2 | elecgr1 | 2 |
| | 63 | AnaBrss1 | 2 | | | | | | | | | | | | | | | | | | | | Brass-5 | 2 | elecgr2 | 2 |
| | 64 | AnaBrss2 | 2 | VelBras2 | 2 | | | | | | | | | | | | | | | | | | Orch-Hit | 1 | sitar | 1 |

Bank Select MSB=Bank Number LSB=000

| Instrument Group | Pgm | Bank0 | Elem | Bank 1 | Elem | Bank 2 | Elem | Bank 3 | Elem | Bank 4 | Elem | Bank 5 | Elem | Bank 6 | Elem | Bank 7 | Elem | Bank 8 | Elem | Bank 9 | Elem | Bank 10 | Elem | Bank 11 | Elem | |
|------------------|-----|-----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|----------|----------|----------|---------|----------|---------|----------|---|
| Reed | 65 | SprnoSax | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 66 | Alto Sax | 1 | | | | | | | | | | | | | | | | HyprAlto | 2 | | | | | | |
| | 67 | TnrSax 2 | 1 | | | | | | | | | | | | | | | | BrthTnSx | 2 | | | | | | |
| | 68 | Bari.Sax | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 69 | Oboe | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | Eng.Horn | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 71 | Bassoon | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 72 | Clarinet | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Pipe | 73 | Piccolo | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 74 | Flute | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 75 | Recorder | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 76 | PanFlute | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 77 | Bottle | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 78 | Shakhchi | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 79 | Whistle | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | Ocarina | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Synth Lead | 81 | SquareLd | 2 | Square 2 | 1 | Hollow | 1 | Mellow | 2 | SoloSine | 2 | Shmoog | 2 | LMSquare | 2 | | | SineLead | 1 | | | | | | | |
| | 82 | Saw.Lead | 2 | Saw 2 | 1 | PulseSaw | 2 | ThickSaw | 2 | Big Lead | 2 | VeloLead | 2 | HeavySyn | 2 | DynaSaw | 1 | Dr. Lead | 2 | | | | | | | |
| | 83 | CaliopLd | 2 | | | Pure Pad | 2 | | | | | | | | | | | | | | | | | | | |
| | 84 | Chiff Ld | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 85 | CharanLd | 2 | | | | | | | | | | | | | | | | DistLead | 2 | | | | | | |
| | 86 | Voice Ld | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 87 | Fifth Ld | 2 | Big Five | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 88 | Bass &Ld | 2 | Big&Low | 2 | Fat&Prky | 2 | | | | | | | | | | | | | | | | | | | |
| Synth Pad | 89 | NewAgePd | 2 | Fantasy2 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 90 | Warm Pad | 2 | ThickPad | 2 | Horn Pad | 2 | RotarStr | 2 | Soft Pad | 2 | | | | | | | | | | | | | | | |
| | 91 | PolySyPd | 2 | PolyPd80 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 92 | ChoirPad | 2 | Heaven2 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 93 | BowedPad | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 94 | MetalPad | 2 | Tine Pad | 2 | Pan Pad | 2 | | | | | | | | | | | | | | | | | | | |
| | 95 | Halo Pad | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 96 | SweepPad | 2 | PolarPad | 2 | | | | | | | | | | | | | | Converge | 2 | Shwimmer | 2 | Celstial | 2 | | |
| Synth Effects | 97 | Rain | 2 | HrmoRain | 2 | AfrcnWnd | 2 | | | | | | | | | | | ClaviPad | 2 | | | | | | | |
| | 98 | SoundTrk | 2 | Ancestrl | 2 | Prologue | 2 | | | | | | | | | | | | | | | | | | | |
| | 99 | Crystal | 2 | SynMalet | 1 | SftCryst | 2 | RndGlock | 2 | LoudGlok | 2 | GlockChi | 2 | ClearBel | 2 | XmasBell | 2 | VibeBell | 2 | DigiBell | 2 | | | | | |
| | 100 | Atmosphr | 2 | WarmAtms | 2 | NylnHarp | 2 | Harp Vox | 2 | HollwRls | 2 | NylonEP | 2 | AtmosPad | 2 | | | | | | | | | | | |
| | 101 | Bright | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 102 | Goblins | 2 | GobSyn | 2 | 50sSciFi | 2 | | | | | | | | | | | | | | | | | | | |
| | 103 | Echoes | 2 | EchoBell | 2 | Echo Pan | 2 | EchoPad2 | 2 | Big Pan | 2 | | | SynPiano | 2 | | | | | | | | | | | |
| | 104 | Sci-Fi | 2 | Starz | 2 | | | | | | | | | | | | | | | | | | | | | |
| Ethnic | 105 | Sitar | 1 | Sitar 2 | 2 | DetSitar | 2 | | | | | | | | | | | | Tambra | 2 | | | | | | |
| | 106 | Banjo | 1 | MuteBnjo | 1 | | | | | | | | | | | | | | Rabab | 2 | | | | | | |
| | 107 | Shamisen | 1 | Tsugaru | 2 | | | | | | | | | | | | | | | | | | | | | |
| | 108 | Koto | 1 | | | | | | | | | | | | | | | | T. Koto | 2 | | | | | | |
| | 109 | Kalimba | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | Bagpipe | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 111 | Fiddle | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 112 | Shanai | 1 | Shanai 2 | 1 | | | | | | | | | | | | | | | Pungi | 1 | | | | | |
| Percussive | 113 | TnklBell | 2 | | | | | | | | | | | | | | | | Bonang | 2 | Gender | 2 | Gamelan | 2 | S.Gamlan | 2 |
| | 114 | Agogo | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 115 | SteelDrum | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 116 | WoodBlok | 1 | | | | | | | | | | | | | | | | Castanet | 1 | | | | | | |
| | 117 | TaikoDrum | 1 | | | | | | | | | | | | | | | | Gr.Cassa | 1 | | | | | | |
| | 118 | MelodTom | 2 | Real Tom | 2 | | | | | | | | | | | | | | Mel Tom2 | 1 | Rock Tom | 2 | | | | |
| | 119 | Syn.Drum | 1 | | | | | | | | | | | | | | | | Ana Tom | 1 | ElecPerc | 2 | | | | |
| | 120 | RevCymb | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Sound Effects | 121 | FretNoiz | 2 | CuttngNz | 1 | Str Slap | 1 | CtngNz2 | 2 | | | | | | | | | | | | | | | | | |
| | 122 | BrthNoiz | 2 | Fl.KClik | 1 | | | | | | | | | | | | | | | | | | | | | |
| | 123 | Seashore | 2 | Rain | 1 | Thunder | 1 | Wind | 1 | Stream | 2 | Bubble | 2 | | | | | | | | | | | | | |
| | 124 | Tweet | 2 | Dog | 1 | Horse | 1 | Bird 2 | 1 | | | | | | | | | | | | | | | | | |
| | 125 | Telephone | 1 | TeL.Dial | 1 | DoorSqek | 1 | DoorSlam | 1 | Scratch | 1 | WindChm | 1 | Scratch2 | 2 | | | | | | | | | | | |
| | 126 | Helicptr | 1 | CarEngin | 1 | Car Stop | 1 | Car Pass | 1 | CarCrash | 1 | Siren | 2 | Train | 1 | Jetplane | 2 | Starship | 2 | Burst | 2 | | | | | |
| | 127 | Applause | 1 | Laughing | 1 | Scream | 1 | Punch | 1 | Heart | 1 | FootStep | 1 | | | | | | | | | | | | | |
| | 128 | Gunshot | 1 | MchinGun | 1 | LaserGun | 2 | Xplosion | 2 | | | | | | | | | | | | | | | | | |

Bank Select MSB=Bank Number LSB=000

| Instrument Group | Pgm | Bank 16 | Elem | Bank 17 | Elem | Bank 18 | Elem | Bank 19 | Elem | Bank 24 | Elem | Bank 25 | Elem | Bank 26 | Elem | Bank 32 | Elem | Bank 33 | Elem | Bank 40 | Elem | Bank 126 | Elem | Bank 127 | Elem |
|------------------|-----|----------|------|----------|------|----------|------|----------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|----------|------|-----------|------|
| Reed | 65 | | | | | | | | | | | | | | | | | | | | | | | a.bass 1 | 1 |
| | 66 | | | | | | | | | | | | | | | | | | | | | | | a.bass 2 | 1 |
| | 67 | | | | | | | | | | | | | | | | | | | | | | | e.bass 1 | 1 |
| | 68 | | | | | | | | | | | | | | | | | | | | | | | e.bass 2 | 1 |
| | 69 | | | | | | | | | | | | | | | | | | | | | | | slapbas1 | 1 |
| | 70 | | | | | | | | | | | | | | | | | | | | | | | slapbas2 | 1 |
| | 71 | | | | | | | | | | | | | | | | | | | | | | | fretles1 | 1 |
| | 72 | | | | | | | | | | | | | | | | | | | | | | | fretles2 | 1 |
| Pipe | 73 | | | | | | | | | | | | | | | | | | | | | | | flute1 | 1 |
| | 74 | | | | | | | | | | | | | | | | | | | | | | | flute2 | 1 |
| | 75 | | | | | | | | | | | | | | | | | | | | | | | piccolo1 | 1 |
| | 76 | | | | | | | | | | | | | | | | | | | | | | | piccolo2 | 2 |
| | 77 | | | | | | | | | | | | | | | | | | | | | | | recorder | 1 |
| | 78 | | | | | | | | | | | | | | | | | | | | | | | panpipes | 2 |
| | 79 | | | | | | | | | | | | | | | | | | | | | | | sax1 | 2 |
| | 80 | | | | | | | | | | | | | | | | | | | | | | | sax2 | 1 |
| Synth Lead | 81 | | | | | | | | | | | | | | | | | | | | | | | sax3 | 1 |
| | 82 | WaspySyn | 2 | | | | | | | | | | | | | | | | | | | | | sax4 | 1 |
| | 83 | | | | | | | | | | | | | | | | | | | | | | | clarint1 | 1 |
| | 84 | | | | | | | | | | | | | | | | | | | | | | | clarint2 | 1 |
| | 85 | | | | | | | | | | | | | | | | | | | | | | | oboe | 1 |
| | 86 | | | | | | | | | | | | | | | | | | | | | | | eng.horn | 1 |
| | 87 | | | | | | | | | | | | | | | | | | | | | | | bassoon | 1 |
| | 88 | | | | | | | | | | | | | | | | | | | | | | | harmnica | 1 |
| Synth Pad | 89 | | | | | | | | | | | | | | | | | | | | | | | trumpet1 | 1 |
| | 90 | | | | | | | | | | | | | | | | | | | | | | | trumpet2 | 1 |
| | 91 | | | | | | | | | | | | | | | | | | | | | | | trmbone1 | 2 |
| | 92 | | | | | | | | | | | | | | | | | | | | | | | trmbone2 | 2 |
| | 93 | | | | | | | | | | | | | | | | | | | | | | | fr.horn1 | 1 |
| | 94 | | | | | | | | | | | | | | | | | | | | | | | fr.horn2 | 2 |
| | 95 | | | | | | | | | | | | | | | | | | | | | | | tuba | 2 |
| | 96 | | | | | | | | | | | | | | | | | | | | | | | brssect1 | 1 |
| Synth Effects | 97 | | | | | | | | | | | | | | | | | | | | | | | brssect2 | 2 |
| | 98 | | | | | | | | | | | | | | | | | | | | | | | vibe1 | 1 |
| | 99 | ChorBell | 2 | AirBells | 2 | BellHarp | 2 | Gamelmba | 2 | | | | | | | | | | | | | | | vibe2 | 1 |
| | 100 | | | | | | | | | | | | | | | | | | | | | | | symallet | 1 |
| | 101 | | | | | | | | | | | | | | | | | | | | | | | maletwin | 2 |
| | 102 | | | | | | | | | | | | | | | | | | | | | | | glocken | 2 |
| | 103 | | | | | | | | | | | | | | | | | | | | | | | tubulbel | 1 |
| | 104 | | | | | | | | | | | | | | | | | | | | | | | xylophon | 1 |
| Ethnic | 105 | Tamboura | 2 | | | | | | | | | | | | | | | | | | | | | marimba | 2 |
| | 106 | Gopichnt | 2 | | | | | | | Oud | 2 | | | | | | | | | | | | | koto | 1 |
| | 107 | | | | | | | | | | | | | | | | | | | | | | | sho | 2 |
| | 108 | Kanoon | 2 | | | | | | | | | | | | | | | | | | | | | shakhchi | 2 |
| | 109 | | | | | | | | | | | | | | | | | | | | | | | whistle1 | 2 |
| | 110 | | | | | | | | | | | | | | | | | | | | | | | whistle2 | 1 |
| | 111 | | | | | | | | | | | | | | | | | | | | | | | bottle | 2 |
| | 112 | Hichriki | 2 | | | | | | | | | | | | | | | | | | | | | breath | 2 |
| Percussive | 113 | Rama Cym | 2 | | | | | | | | | | | | | | | | | | | | | timpani | 1 |
| | 114 | | | | | | | | | | | | | | | | | | | | | | | melotom | 1 |
| | 115 | | | | | | | | | | | | | | | | | | | | | | | deepsnar | 1 |
| | 116 | | | | | | | | | | | | | | | | | | | | | | | e.perc1 | 1 |
| | 117 | | | | | | | | | | | | | | | | | | | | | | | e.perc2 | 1 |
| | 118 | | | | | | | | | | | | | | | | | | | | | | | taiko | 1 |
| | 119 | | | | | | | | | | | | | | | | | | | | | | | taikorim | 1 |
| | 120 | | | | | | | | | | | | | | | | | | | | | | | cymbal | 2 |
| Sound Effects | 121 | | | | | | | | | | | | | | | | | | | | | | | castanet | 1 |
| | 122 | | | | | | | | | | | | | | | | | | | | | | | triangle | 1 |
| | 123 | | | | | | | | | | | | | | | | | | | | | | | orchehit | 1 |
| | 124 | | | | | | | | | | | | | | | | | | | | | | | telephone | 1 |
| | 125 | | | | | | | | | | | | | | | | | | | | | | | bird | 1 |
| | 126 | Coaster | 2 | | | | | | | | | | | | | | | | | | | | | jam | 1 |
| | 127 | | | | | | | | | | | | | | | | | | | | | | | efctwatr | 2 |
| | 128 | | | | | | | | | | | | | | | | | | | | | | | efctingl | 2 |

C/M Voice List

| Pgm# | TYPE1 part1~9 | TYPE2 part11~16 |
|------|------------------|--------------------|
| 1 | a.piano1 | A-Piano1 |
| 2 | a.piano2 | A-Piano2 |
| 3 | a.piano3 | A-Piano3 |
| 4 | e.piano1 | A-Piano4 |
| 5 | e.piano2 | A-Piano5 |
| 6 | e.piano3 | A-Piano6 |
| 7 | e.piano4 | A-Piano7 |
| 8 | hnytkn | E-Piano1 |
| 9 | e.organ1 | E-Piano2 |
| 10 | e.organ2 | E-Piano3 |
| 11 | e.organ3 | A-Guitr1 |
| 12 | e.organ4 | A-Guitr2 |
| 13 | pipeorg1 | A-Guitr3 |
| 14 | pipeorg2 | E-Guitr1 |
| 15 | pipeorg3 | E-Guitr2 |
| 16 | acordion | Slap-1 |
| 17 | harpsi1 | Slap-2 |
| 18 | harpsi2 | Slap-3 |
| 19 | harpsi3 | Slap-4 |
| 20 | clavi1 | Slap-5 |
| 21 | clavi2 | Slap-6 |
| 22 | clavi3 | Slap-7 |
| 23 | celestal | Slap-8 |
| 24 | celest2 | Finger-1 |
| 25 | synbras1 | Finger-2 |
| 26 | synbras2 | Picked-1 |
| 27 | synbras3 | Picked-2 |
| 28 | synbras4 | FretlsBs |
| 29 | synbass1 | A-Bass |
| 30 | synbass2 | Choir-1 |
| 31 | synbass3 | Choir-2 |
| 32 | synbass4 | Choir-3 |
| 33 | newagepd | Choir-4 |
| 34 | synharmo | Strngs-1 |
| 35 | choir pd | Strngs-2 |
| 36 | bowed pd | Strngs-3 |
| 37 | soundtrk | Strngs-4 |
| 38 | atmosphr | E-Organ1 |
| 39 | syn warm | E-Organ2 |
| 40 | synfunny | E-Organ3 |
| 41 | syncho1 | E-Organ4 |
| 42 | rain | E-Organ5 |
| 43 | synoboe | E-Organ6 |
| 44 | syncho2 | E-Organ7 |
| 45 | synsolo | E-Organ8 |
| 46 | synrdorg | E-Organ9 |
| 47 | synbell | SoftTP-1 |
| 48 | squareld | SoftTP-2 |

| Pgm# | TYPE1 part1~9 | TYPE2 part11~16 |
|------|------------------|--------------------|
| 49 | strsect1 | TP/TRB-1 |
| 50 | strsect2 | TP/TRB-2 |
| 51 | strsect3 | TP/TRB-3 |
| 52 | pizz.str | TP/TRB-4 |
| 53 | violin 1 | TP/TRB-5 |
| 54 | violin 2 | TP/TRB-6 |
| 55 | cello 1 | Sax-1 |
| 56 | cello 2 | Sax-2 |
| 57 | contrabs | Sax-3 |
| 58 | harp 1 | Sax-4 |
| 59 | harp 2 | Brass-1 |
| 60 | guitar 1 | Brass-2 |
| 61 | guitar 2 | Brass-3 |
| 62 | elecgr1 | Brass-4 |
| 63 | elecgr2 | Brass-5 |
| 64 | sitar | Orch-Hit |
| 65 | a.bass 1 | Silence |
| 66 | a.bass 2 | Silence |
| 67 | e.bass 1 | Silence |
| 68 | e.bass 2 | Silence |
| 69 | slapbas1 | Silence |
| 70 | slapbas2 | Silence |
| 71 | fretles1 | Silence |
| 72 | fretles2 | Silence |
| 73 | flute1 | Silence |
| 74 | flute2 | Silence |
| 75 | piccolo1 | Silence |
| 76 | piccolo2 | Silence |
| 77 | recorder | Silence |
| 78 | panpipes | Silence |
| 79 | sax1 | Silence |
| 80 | sax2 | Silence |
| 81 | sax3 | Silence |
| 82 | sax4 | Silence |
| 83 | clarint1 | Silence |
| 84 | clarint2 | Silence |
| 85 | oboe | Silence |
| 86 | eng.horn | Silence |
| 87 | bassoon | Silence |
| 88 | harmnica | Silence |
| 89 | trumpet1 | Silence |
| 90 | trumpet2 | Silence |
| 91 | trmbone1 | Silence |
| 92 | trmbone2 | Silence |
| 93 | fr.horn1 | Silence |
| 94 | fr.horn2 | Silence |
| 95 | tuba | Silence |
| 96 | brssect1 | Silence |


| Pgm# | TYPE1 part1~9 | TYPE2 part11~16 |
|------|------------------|--------------------|
| 97 | brssect2 | Silence |
| 98 | vibe1 | Silence |
| 99 | vibe2 | Silence |
| 100 | symallet | Silence |
| 101 | maletwin | Silence |
| 102 | glocken | Silence |
| 103 | tubulbel | Silence |
| 104 | xylophon | Silence |
| 105 | marimba | Silence |
| 106 | koto | Silence |
| 107 | sho | Silence |
| 108 | shakhchi | Silence |
| 109 | whistle1 | Silence |
| 110 | whistle2 | Silence |
| 111 | bottle | Silence |
| 112 | breath | Silence |
| 113 | timpani | Silence |
| 114 | melotom | Silence |
| 115 | deepsnar | Silence |
| 116 | e.perc1 | Silence |
| 117 | e.perc2 | Silence |
| 118 | taiko | Silence |
| 119 | taikorim | Silence |
| 120 | cymbal | Silence |
| 121 | castanet | Silence |
| 122 | triangle | Silence |
| 123 | orchehit | Silence |
| 124 | telephone | Silence |
| 125 | bird | Silence |
| 126 | jam | Silence |
| 127 | efctwatr | Silence |
| 128 | efctjngl | Silence |

DOC Voice List

| Pgm# | Voice |
|------|----------|
| 1 | Brass |
| 2 | Trumpet |
| 3 | Fr.Horn |
| 4 | Sax |
| 5 | Clarinet |
| 6 | Oboe |
| 7 | Flute 1 |
| 8 | Acordion |
| 9 | Strings |
| 10 | Violin |
| 11 | FullOrgn |
| 12 | JazOrgn1 |
| 13 | Piano |
| 14 | E.Piano1 |
| 15 | Harpsi. |
| 16 | Celesta |
| 17 | Vibes |
| 18 | Marimba |
| 19 | Harpsi. |
| 20 | Vibes |
| 21 | SynBrass |
| 22 | |
| 23 | SynCrstl |
| 24 | Timpani |
| 25 | Gut Gtr |
| 26 | JazzGtr1 |
| 27 | RockGtr1 |
| 28 | Harpsi. |
| 29 | U.Bass |
| 30 | E.Bass |
| 31 | E.Bass/S |
| 32 | Syn.Bass |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |
| 41 | Mute Trp |
| 42 | Harmnica |
| 43 | Choir |
| 44 | JazOrgn1 |
| 45 | Syn.Wood |
| 46 | Syn.Str |
| 47 | SynChoir |

| Pgm# | Voice |
|------|----------|
| 48 | Piano |
| 49 | Piano-M |
| 50 | Piano |
| 51 | E.Piano2 |
| 52 | Piano-B |
| 53 | Piano-B |
| 54 | Folk Gtr |
| 55 | Rock Gtr |
| 56 | Banjo |
| 57 | Pizz. |
| 58 | Harp |
| 59 | |
| 60 | |
| 61 | Brass |
| 62 | Flute |
| 63 | Strings |
| 64 | Choir |
| 65 | PipeOrgn |
| 66 | JazOrgn1 |
| 67 | SynBrass |
| 68 | Sax |
| 69 | ClavTone |
| 70 | RockGtr2 |
| 71 | Mute Gtr |
| 72 | U.Bass-M |
| 73 | JazzGtr2 |
| 74 | PopBrass |
| 75 | Str-Mild |
| 76 | Violin-H |
| 77 | P.Organ |
| 78 | Sax-Mild |
| 79 | E.Bass-H |
| 80 | Flute 2 |
| 81 | Bassoon |
| 82 | Cham.Str |
| 83 | JazOrgn2 |
| 84 | |
| 85 | |
| 86 | |
| 87 | |
| 88 | |
| 89 | Dist.Gtr |
| 90 | Cosmic 1 |
| 91 | Cosmic 2 |
| 92 | Cosmic 3 |
| 93 | Orch.Hit |
| 94 | |

| Pgm# | Voice |
|------|-------|
| 95 | |
| 96 | |
| 97 | |
| 98 | |
| 99 | |
| 100 | |
| 101 | |
| 102 | |
| 103 | |
| 104 | |
| 105 | |
| 106 | |
| 107 | |
| 108 | |
| 109 | |
| 110 | |
| 111 | |
| 112 | |
| 113 | |
| 114 | |
| 115 | |
| 116 | |
| 117 | |
| 118 | |
| 119 | |
| 120 | |
| 121 | |
| 122 | |
| 123 | |
| 124 | |
| 125 | |
| 126 | |
| 127 | |
| 128 | |

 : Ignore program change

XG Drum Map

Bank Select MSB=Bank Number LSB=000

| Bank | | | | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 126 | 126 | |
|-----------|-------|---------|------------------|--------------|---------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Program # | | | | 1 | 2 | 9 | 17 | 25 | 26 | 33 | 41 | 49 | 1 | 2 |
| Note# | Note | Key off | Alternate assign | Standard Kit | Standard2 Kit | Room Kit | Rock Kit | Electro Kit | Analog Kit | Jazz Kit | Brush Kit | Classic Kit | SFX 1 | SFX 2 |
| 13 | C# -1 | | 3 | Surdo Mute | | | | | | | | | | |
| 14 | D -1 | | 3 | Surdo Open | | | | | | | | | | |
| 15 | D# -1 | | | Hi Q | | | | | | | | | | |
| 16 | E -1 | | | Whip Slap | | | | | | | | | | |
| 17 | F -1 | | 4 | Scratch Push | | | | | | | | | | |
| 18 | F# -1 | | 4 | ScratchPull | | | | | | | | | | |
| 19 | G -1 | | | Finger Snap | | | | | | | | | | |
| 20 | G# -1 | | | Click Noise | | | | | | | | | | |
| 21 | A -1 | | | Metro Click | | | | | | | | | | |
| 22 | A# -1 | | | Metro Bell | | | | | | | | | | |
| 23 | B -1 | | | Seq Click L | | | | | | | | | | |
| 24 | C 0 | | | Seq Click H | | | | | | | | | | |
| 25 | C# 0 | | | Brush Tap | | | | | | | | | | |
| 26 | D 0 | ○ | | BrushSwirl L | | | | | | | | | | |
| 27 | D# 0 | | | Brush Slap | | | | | | | | | | |
| 28 | E 0 | ○ | | BrushSwirl H | | | | | | | | | | |
| 29 | F 0 | ○ | | Snare Roll | Snare Roll 2 | | | | ReversCymbal | ReversCymbal | | | | |
| 30 | F# 0 | | | Castanet | | | | Hi Q | Hi Q | | | | | |
| 31 | G 0 | | | Snare L | Snare L2 | | SD Rock M | Snare M | SD Rock H | | Brush Slap L | | | |
| 32 | G# 0 | | | Sticks | | | | | | | | | | |
| 33 | A 0 | | | Bass Drum L | | | Bass Drum M | Bass Drum H4 | Bass Drum M | | | Bass Drum L2 | | |
| 34 | A# 0 | | | Open RimShot | OpenRimShot2 | | | | | | | | | |
| 35 | B 0 | | | Bass Drum M | Bass Drum M2 | | Bass Drum H3 | BD Rock | BD Analog L | | | Gran Cassa | | |
| 36 | C 1 | | | Bass Drum H | Bass Drum H2 | | BD Rock | BD Gate | BD Analog H | BD Jazz | BD Soft | GranCasaMute | GtrCutNoise | Dial Tone |
| 37 | C# 1 | | | Side Stick | | | | | AnaSideStick | | | | GtrCutNoise2 | DoorCreaking |
| 38 | D 1 | | | Snare M | Snare M2 | SD Room L | SD Rock | SD Rock L | Ana Snare L | | Brush Slap | MarchingSn M | | Door Slam |
| 39 | D# 1 | | | Hand Clap | | | | | | | | | String Slap | Scratch |
| 40 | E 1 | | | Snare H | Snare H2 | SD Room H | SD Rock Rim | SD Rock H | Ana Snare H | | Brush Tap | MarchingSn H | | Scratch 2 |
| 41 | F 1 | | | Floor Tom L | | Room Tom 1 | Rock Tom 1 | E Tom 1 | Analog Tom 1 | Jazz Tom 1 | Brush Tom 1 | Jazz Tom 1 | | Windchime |
| 42 | F# 1 | | 1 | Hi-HatClosed | | | | | AnaHHClosed1 | | | | | TelephnRing2 |
| 43 | G 1 | | | Floor Tom H | | Room Tom 2 | Rock Tom 2 | E Tom 2 | Analog Tom 2 | Jazz Tom 2 | Brush Tom 2 | Jazz Tom 2 | | |
| 44 | G# 1 | | 1 | Hi-Hat Pedal | | | | | AnaHHClosed2 | | | | | |
| 45 | A 1 | | | Low Tom | | Room Tom 3 | Rock Tom 3 | E Tom 3 | Analog Tom 3 | Jazz Tom 3 | Brush Tom 3 | Jazz Tom 3 | | |
| 46 | A# 1 | | 1 | Hi-Hat Open | | | | | Ana HH Open | | | | | |
| 47 | B 1 | | | Mid Tom L | | Room Tom 4 | Rock Tom 4 | E Tom 4 | Analog Tom 4 | Jazz Tom 4 | Brush Tom 4 | Jazz Tom 4 | | |
| 48 | C 2 | | | Mid Tom H | | Room Tom 5 | Rock Tom 5 | E Tom 5 | Analog Tom 5 | Jazz Tom 5 | Brush Tom 5 | Jazz Tom 5 | | |
| 49 | C# 2 | | | CrashCymbal1 | | | | | Ana Cymbal | | | | HandCymOpenL | |
| 50 | D 2 | | | High Tom | | Room Tom 6 | Rock Tom 6 | E Tom 6 | Analog Tom 6 | Jazz Tom 6 | Brush Tom 6 | Jazz Tom 6 | | |
| 51 | D# 2 | | | Ride Cymbal1 | | | | | | | | | HandCymClosL | |
| 52 | E 2 | | | China Cymbal | | | | | | | | | | |
| 53 | F 2 | | | RideCymbalCp | | | | | | | | | FL.Key Click | Engine Start |
| 54 | F# 2 | | | Tambourine | | | | | | | | | | Car Passing |
| 55 | G 2 | | | SplashCymbal | | | | | | | | | | Crash |
| 56 | G# 2 | | | Cowbell | | | | | Ana Cowbell | | | | | Siren |
| 57 | A 2 | | | CrashCymbal2 | | | | | | | | HandCymOpenH | | Train |
| 58 | A# 2 | | | Vibraslap | | | | | | | | | | Jetplane |
| 59 | B 2 | | | Ride Cymbal2 | | | | | | | | HandCymClosH | | Starship |
| 60 | C 3 | | | Bongo H | | | | | | | | | | Burst Noise |
| 61 | C# 3 | | | Bongo L | | | | | | | | | | Coaster |
| 62 | D 3 | | | Conga H Mute | | | | | Ana Conga H | | | | | SbMarine |
| 63 | D# 3 | | | Conga H Open | | | | | Ana Conga M | | | | | |
| 64 | E 3 | | | Conga L | | | | | Ana Conga L | | | | | |
| 65 | F 3 | | | Timbale H | | | | | | | | | | |
| 66 | F# 3 | | | Timbale L | | | | | | | | | | |
| 67 | G 3 | | | Agogo H | | | | | | | | | | |

Same as Standard Kit

No Sound

| Bank | | | | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 126 | 126 | |
|-----------|------|---------|------------------|--------------|---------------|----------|----------|--------------|--------------|----------|-----------|-------------|--------------|-------------|
| Program # | | | | 1 | 2 | 9 | 17 | 25 | 26 | 33 | 41 | 49 | 1 | 2 |
| Note# | Note | Key off | Alternate assign | Standard Kit | Standard2 Kit | Room Kit | Rock Kit | Electro Kit | Analog Kit | Jazz Kit | Brush Kit | Classic Kit | SFX 1 | SFX 2 |
| 68 | G# 3 | | | Agogo L | | | | | | | | | Rain | Laughing |
| 69 | A 3 | | | Cabasa | | | | | | | | | Thunder | Screaming |
| 70 | A# 3 | | | Maracas | | | | | Ana Maracas | | | | Wind | Punch |
| 71 | B 3 | ○ | | SambaWhistlH | | | | | | | | | Stream | Heartbeat |
| 72 | C 4 | ○ | | SambaWhistlL | | | | | | | | | Bubble | Footsteps |
| 73 | C# 4 | | | Guiro Short | | | | | | | | | Feed | |
| 74 | D 4 | ○ | | Guiro Long | | | | | | | | | | |
| 75 | D# 4 | | | Claves | | | | | Ana Claves | | | | | |
| 76 | E 4 | | | Wood Block H | | | | | | | | | | |
| 77 | F 4 | | | Wood Block L | | | | | | | | | | |
| 78 | F# 4 | | | Cuica Mute | | | | | | | | | | |
| 79 | G 4 | | | Cuica Open | | | | Scratch Push | Scratch Push | | | | | |
| 80 | G# 4 | | 2 | TriangleMute | | | | Scratch Pull | Scratch Pull | | | | | |
| 81 | A 4 | | 2 | TriangleOpen | | | | | | | | | | |
| 82 | A# 4 | | | Shaker | | | | | | | | | | |
| 83 | B 4 | | | Jingle Bell | | | | | | | | | | |
| 84 | C 5 | | | Bell Tree | | | | | | | | | Dog | Machine Gun |
| 85 | C# 5 | | | | | | | | | | | | Horse Gallop | Laser Gun |
| 86 | D 5 | | | | | | | | | | | | Bird 2 | Explosion |
| 87 | D# 5 | | | | | | | | | | | | | FireWork |
| 88 | E 5 | | | | | | | | | | | | | |
| 89 | F 5 | | | | | | | | | | | | | |
| 90 | F# 5 | | | | | | | | | | | | Ghost | |
| 91 | G 5 | | | | | | | | | | | | Maou | |

TG300B Drum Map

| Program # | | | | 1 | 9 | 17 | 25 | 26 | 33 | 41 | 49 | 57 | 128 |
|-----------|------|------------------|--|-----------------|------------|------------|---------------|--------------------|------------|-------------|---------------|---------------------|---------------|
| Note# | Note | Alternate Assign | | Standard Kit | Room Kit | Power Kit | Electro Kit | Analog Kit | Jazz Kit | Brush Kit | Orchestra Kit | SFX Set | C/M Kit |
| 25 | C# 0 | | | Snare Roll | | | | | | | | | |
| 26 | D 0 | | | Finger Snap | | | | | | | | | |
| 27 | D# 0 | | | Hi Q | | | | | | | Hi-Hat Closed | | |
| 28 | E 0 | | | Whip Slap | | | | | | | Hi-Hat Pedal | | |
| 29 | F 0 | 7 | | Scratch Push | | | | | | | Hi-Hat Open | | |
| 30 | F# 0 | 7 | | Scratch Pull | | | | | | | Ride Cymbal 1 | | |
| 31 | G 0 | | | Sticks | | | | | | | | | |
| 32 | G# 0 | | | Click Noise | | | | | | | | | |
| 33 | A 0 | | | Metronome Click | | | | | | | | | |
| 34 | A# 0 | | | Metronome Bell | | | | | | | | | |
| 35 | B 0 | | | Bass Drum M | | | | | | | BD Jazz | | |
| 36 | C 1 | | | Bass Drum H | | BD Power | BD Electronic | BD Analog H | BD Jazz | BD Soft | Gran Cassa | | |
| 37 | C# 1 | | | Side Stick | | | | Analog Side Stick | | | | | |
| 38 | D 1 | | | Snare M | | SD Power | SD Electronic | Analog Snare L | | Brush Tap | Concert SD | | |
| 39 | D# 1 | | | Hand Clap | | | | | | Brush Slap | Castanet | High-Q | |
| 40 | E 1 | | | Snare H | | | SD Power | | | Brush Swirl | Concert SD | Slap | SD Electro |
| 41 | F 1 | | | Floor Tom L | Room Tom 1 | Room Tom 1 | E Tom 1 | Analog Tom 1 | Jazz Tom 1 | Jazz Tom 1 | Timpani F | Scratch Push | |
| 42 | F# 1 | 1 | | Hi-Hat Closed | | | | Analog HH Closed 1 | | | Timpani F# | Scratch Pull | |
| 43 | G 1 | | | Floor Tom H | Room Tom 2 | Room Tom 2 | E Tom 2 | Analog Tom 2 | Jazz Tom 2 | Jazz Tom 2 | Timpani G | Sticks | |
| 44 | G# 1 | 1 | | Hi-Hat Pedal | | | | Analog HH Closed 2 | | | Timpani G# | Square Click | Hi-Hat Open 1 |
| 45 | A 1 | | | Low Tom | Room Tom 3 | Room Tom 3 | E Tom 3 | Analog Tom 3 | Jazz Tom 3 | Jazz Tom 3 | Timpani A | Metronome Click | |
| 46 | A# 1 | 1 | | Hi-Hat Open | | | | Analog HH Open | | | Timpani A# | Metronome Bell | Hi-Hat Open 2 |
| 47 | B 1 | | | Mid Tom L | Room Tom 4 | Room Tom 4 | E Tom 4 | Analog Tom 4 | Jazz Tom 4 | Jazz Tom 4 | Timpani B | Guitar Fret Noise | |
| 48 | C 2 | | | Mid Tom H | Room Tom 5 | Room Tom 5 | E Tom 5 | Analog Tom 5 | Jazz Tom 5 | Jazz Tom 5 | Timpani C | Guitar Cutting Down | |
| 49 | C# 2 | | | Crash Cymbal 1 | | | | Analog Cymbal | | | Timpani C# | Guitar Cutting Up | |
| 50 | D 2 | | | High Tom | Room Tom 6 | Room Tom 6 | E Tom 6 | Analog Tom 6 | Jazz Tom 6 | Jazz Tom 6 | Timpani D | Ac Bass Slap | |

: Same as Standard Kit

: No Sound

| Program # | | | 1 | 9 | 17 | 25 | 26 | 33 | 41 | 49 | 57 | 128 |
|-----------|------|------------------|-----------------|----------|-----------|----------------|----------------|----------|-----------|---------------|---------------|---------------|
| Note# | Note | Alternate Assign | Standard Kit | Room Kit | Power Kit | Electro Kit | Analog Kit | Jazz Kit | Brush Kit | Orchestra Kit | SFX Set | C/M Kit |
| 51 | D# 2 | | Ride Cymbal 1 | | | | | | | Timpani D# | FL.Key Click | |
| 52 | E 2 | | Chinese Cymbal | | | Reverse Cymbal | | | | Timpani E | Laughing | |
| 53 | F 2 | | Ride Cymbal Cup | | | | | | | Timpani F | Screaming | |
| 54 | F# 2 | | Tambourine | | | | | | | | Punch | |
| 55 | G 2 | | Splash Cymbal | | | | | | | | Heartbeat | |
| 56 | G# 2 | | Cowbell | | | | Analog Cowbell | | | | Footsteps 1 | |
| 57 | A 2 | | Crash Cymbal 2 | | | | | | | Hand Cym.1 | Footsteps 2 | |
| 58 | A# 2 | | Vibraslap | | | | | | | | Applause | |
| 59 | B 2 | | Ride Cymbal 2 | | | | | | | Hand Cym.2 | Door Creaking | |
| 60 | C 3 | | Bongo H | | | | | | | | Door Slam | |
| 61 | C# 3 | | Bongo L | | | | | | | | Scratch | |
| 62 | D 3 | | Conga H Mute | | | | Analog Conga H | | | | Windchime | |
| 63 | D# 3 | | Conga H Open | | | | Analog Conga M | | | | Engine Start | |
| 64 | E 3 | | Conga L | | | | Analog Conga L | | | | Tire Screech | |
| 65 | F 3 | | Timbale H | | | | | | | | Car Passing | |
| 66 | F# 3 | | Timbale L | | | | | | | | Crash | |
| 67 | G 3 | | Agogo H | | | | | | | | Siren | |
| 68 | G# 3 | | Agogo L | | | | | | | | Train | |
| 69 | A 3 | | Cabasa | | | | | | | | Jetplane | |
| 70 | A# 3 | | Maracas | | | | Analog Maracas | | | | Helicopter | |
| 71 | B 3 | 2 | Samba Whistle H | | | | | | | | Starship | |
| 72 | C 4 | 2 | Samba Whistle L | | | | | | | | Gunshot | |
| 73 | C# 4 | 3 | Guiro Short | | | | | | | | Machine Gun | Vibraslap |
| 74 | D 4 | 3 | Guiro Long | | | | | | | | Laser Gun | |
| 75 | D# 4 | | Claves | | | | Analog Claves | | | | Explosion | |
| 76 | E 4 | | Wood Block H | | | | | | | | Dog | Laughing |
| 77 | F 4 | | Wood Block L | | | | | | | | Horse Gallop | Screaming |
| 78 | F# 4 | 4 | Cuica Mute | | | | | | | | Bird Tweet | Punch |
| 79 | G 4 | 4 | Cuica Open | | | | | | | | Rain | Heartbeat |
| 80 | G# 4 | 5 | Triangle Mute | | | | | | | | Thunder | Footsteps 1 |
| 81 | A 4 | 5 | Triangle Open | | | | | | | | Wind | Footsteps 2 |
| 82 | A# 4 | | Shaker | | | | | | | | Seashore | Applause |
| 83 | B 4 | | Jingle Bell | | | | | | | | Stream | Door Creaking |
| 84 | C 5 | | Bell Tree | | | | | | | | Bubble | Door Slam |
| 85 | C# 5 | | Castanet | | | | | | | | | Scratch |
| 86 | D 5 | 6 | Surdo Mute | | | | | | | | | Windchime |
| 87 | D# 5 | 6 | Surdo Open | | | | | | | | | Engine Start |
| 88 | E 5 | | | | | | | | | Applause | | Tire Screech |
| 89 | F 5 | | | | | | | | | | | Car Passing |
| 90 | F# 5 | | | | | | | | | | | Crash |
| 91 | G 5 | | | | | | | | | | | Siren |
| 92 | G# 5 | | | | | | | | | | | Train |
| 93 | A 5 | | | | | | | | | | | Jetplain |
| 94 | A# 5 | | | | | | | | | | | Helicopter |
| 95 | B 5 | | | | | | | | | | | Starship |
| 96 | C 6 | | | | | | | | | | | Gunshot |
| 97 | C# 6 | | | | | | | | | | | Machine Gun |
| 98 | D 6 | | | | | | | | | | | Laser Gun |
| 99 | D# 6 | | | | | | | | | | | Explosion |
| 100 | E 6 | | | | | | | | | | | Dog |
| 101 | F 6 | | | | | | | | | | | Horse Gallop |
| 102 | F# 6 | | | | | | | | | | | Bird Tweet |
| 103 | G 6 | | | | | | | | | | | Rain |
| 104 | G# 6 | | | | | | | | | | | Thunder |
| 105 | A 6 | | | | | | | | | | | Wind |
| 106 | A# 6 | | | | | | | | | | | Seashore |
| 107 | B 6 | | | | | | | | | | | Stream |
| 108 | C 7 | | | | | | | | | | | Bubble |

: Same as Standard Kit

: No Sound

C/M Drum Map

| Note# | Note | Alternate Assign | C/M Kit |
|-------|------|------------------|-----------------|
| 35 | B0 | | Bass Drum M |
| 36 | C1 | | Bass Drum H |
| 37 | C#1 | | Side Stick |
| 38 | D1 | | Snare M |
| 39 | D#1 | | Hand Clap |
| 40 | E1 | | SD Electro |
| 41 | F1 | | Floor Tom L |
| 42 | F#1 | 1 | Hi-Hat Closed |
| 43 | G1 | | Floor Tom H |
| 44 | G#1 | 1 | Hi-Hat Open 1 |
| 45 | A1 | | Low Tom |
| 46 | A#1 | 1 | Hi-Hat Open 2 |
| 47 | B1 | | Mid Tom L |
| 48 | C2 | | Mid Tom H |
| 49 | C#2 | | Crash Cymbal 1 |
| 50 | D2 | | High Tom |
| 51 | D#2 | | Ride Cymbal 1 |
| 52 | E2 | | |
| 53 | F2 | | |
| 54 | F#2 | | Tambourine |
| 55 | G2 | | |
| 56 | G#2 | | Cowbell |
| 57 | A2 | | |
| 58 | A#2 | | |
| 59 | B2 | | |
| 60 | C3 | | Bongo H |
| 61 | C#3 | | Bongo L |
| 62 | D3 | | Conga H Mute |
| 63 | D#3 | | Conga H Open |
| 64 | E3 | | Conga L |
| 65 | F3 | | Timbale H |
| 66 | F#3 | | Timbale L |
| 67 | G3 | | Agogo H |
| 68 | G#3 | | Agogo L |
| 69 | A3 | | Cabasa |
| 70 | A#3 | | Maracas |
| 71 | B3 | 2 | Samba Whistle H |
| 72 | C4 | 2 | Samba Whistle L |
| 73 | C#4 | | Vibraslap |
| 74 | D4 | | |
| 75 | D#4 | | Claves |
| 76 | E4 | | Laughing |
| 77 | F4 | | Screaming |
| 78 | F#4 | | Punch |
| 79 | G4 | | Heartbeat |
| 80 | G#4 | | Footsteps 1 |
| 81 | A4 | | Footsteps 2 |

| Note# | Note | Alternate Assign | C/M Kit |
|-------|------|------------------|---------------|
| 82 | A#4 | | Applause |
| 83 | B4 | | Door Creaking |
| 84 | C5 | | Door Slam |
| 85 | C#5 | | Scratch |
| 86 | D5 | | Windchime |
| 87 | D#5 | | Engine Start |
| 88 | E5 | | Tire Screech |
| 89 | F5 | | Car Passing |
| 90 | F#5 | | Crash |
| 91 | G5 | | Siren |
| 92 | G#5 | | Train |
| 93 | A5 | | Jetplane |
| 94 | A#5 | | Helicopter |
| 95 | B5 | | Starship |
| 96 | C6 | | Gunshot |
| 97 | C#6 | | Machine Gun |
| 98 | D6 | | Laser Gun |
| 99 | D#6 | | Explosion |
| 100 | E6 | | Dog |
| 101 | F6 | | Horse Gallop |
| 102 | F#6 | | Bird Tweet |
| 103 | G6 | | Rain |
| 104 | G#6 | | Thunder |
| 105 | A6 | | Wind |
| 106 | A#6 | | Seashore |
| 107 | B6 | | Stream |
| 108 | C7 | | Bubble |

■ : No Sound

DOC Drum Map

| Note# | Note | Alternate Assign | C/M Kit |
|-------|------|------------------|---------------------|
| 21 | A-1 | | Cymbal Mute |
| 22 | A#-1 | | |
| 23 | B-1 | | |
| 24 | C0 | | |
| 25 | C#0 | | |
| 26 | D0 | | |
| 27 | D#0 | | |
| 28 | E0 | | |
| 29 | F0 | | |
| 30 | F#0 | 1 | Brush Roll |
| 31 | G0 | | |
| 32 | G#0 | 2 | Hi-Hat closed heavy |
| 33 | A0 | | |
| 34 | A#0 | | Crash Cymbal light |
| 35 | B0 | | BD light |
| 36 | C1 | | SD+RIM heavy |
| 37 | C#1 | | Ride Cymbal cup |
| 38 | D1 | | SD+RIM light |
| 39 | D#1 | | |
| 40 | E1 | | |
| 41 | F1 | | BD norm |
| 42 | F#1 | | Rim Shot |
| 43 | G1 | | SD heavy |
| 44 | G#1 | 1 | Brush Shot |
| 45 | A1 | | SD light |
| 46 | A#1 | 2 | Hi-Hat pedal |
| 47 | B1 | | SD echo |
| 48 | C2 | | Tom 4 |
| 49 | C#2 | 2 | Hi-Hat closed norm |
| 50 | D2 | | Tom 3 |
| 51 | D#2 | 2 | Hi-Hat open |
| 52 | E2 | | Tom 2 |
| 53 | F2 | | Tom 1 |
| 54 | F#2 | | Ride Cymbal norm |
| 55 | G2 | | E.Tom 3 |
| 56 | G#2 | | Crash Cymbal norm |
| 57 | A2 | | E.Tom 2 |
| 58 | A#2 | | Crash Cymbal norm |
| 59 | B2 | 2 | E.Tom 1 |
| 60 | C3 | 2 | Conga L |
| 61 | C#3 | | Cabasa |
| 62 | D3 | | Conga H |
| 63 | D#3 | | Metronome |
| 64 | E3 | | Bongo H |
| 65 | F3 | | Timbale L |
| 66 | F#3 | | Claves |
| 67 | G3 | | Timbale H |

| Note# | Note | Alternate Assign | C/M Kit |
|-------|------|------------------|-------------------|
| 68 | G#3 | | Castanets |
| 69 | A3 | | Cuica L |
| 70 | A#3 | | Cowbell |
| 71 | B3 | | Cuica H |
| 72 | C4 | | Handclaps |
| 73 | C#4 | | Agogo L |
| 74 | D4 | | |
| 75 | D#4 | | Agogo H |
| 76 | E4 | | Bongo L |
| 77 | F4 | | Cuica L |
| 78 | F#4 | | Tambourine |
| 79 | G4 | | Crash Cymbal norm |
| 80 | G#4 | 3 | Triangle closed |
| 81 | A4 | | Brush Roll |
| 82 | A#4 | 3 | Triangle open |

 : No Sound

MU50 Performance List

| # | Performance Name | Layer | Comment |
|----|------------------|-------|--|
| 1 | LD:Whistlead | 4 | Lead sound with whistle mixed in |
| 2 | CH:SynVox | 2 | Synth chorus with distinctive high range |
| 3 | BA:KingBass | 3 | Synth bass for slow and medium tempos |
| 4 | OR:Bright | 2 | Bright organ through rotary speaker |
| 5 | EP:CP80 | 1 | CP80 revisited |
| 6 | ST:Natural | 4 | String voice; attack changes with velocity |
| 7 | AP:Piano | 2 | Full-sounding grand piano |
| 8 | PD:SnowyNite | 2 | Snowy sound; use short, articulated key play |
| 9 | BR:Legend | 3 | Fat analog-synth brass |
| 10 | SE:NASA-MW | 4 | Rocket blastoff and space drift |
| 11 | ET:SouthEast | 3 | Southeast-Asian sound |
| 12 | EP:Hammered | 2 | Dry electric piano |
| 13 | GT:Distorted | 4 | Distortion guitar with touch- and MW-driven feedback |
| 14 | LD:Obiees | 2 | Mono analog-synth lead; also good as brass |
| 15 | BA:Moogy | 3 | Synth bass for fast tempos |
| 16 | OR:Rocker | 3 | Rock organ |
| 17 | AP:MIDIGrand | 2 | Layered grand and electric pianos |
| 18 | MK:FunkyClav | 2 | Funky clavinet with autowow and flanger |
| 19 | ET:EthnicKit | 4 | Left hand is small drum; right hand is bell |
| 20 | ST:HiEnsembl | 2 | Analog-synth string with distinctive high range |
| 21 | CH:Natural | 3 | Natural chorus |
| 22 | OR:Church | 4 | Church organ |
| 23 | FX:ZHole | 4 | Otherworldly pad sound |
| 24 | FX:DayBreak | 3 | FX sound; image of daybreak |
| 25 | AP:Piano&Pad | 2 | Layered piano and strings pad |
| 26 | BR:PunchBRS | 3 | Punch brass; good for live performance |
| 27 | FX:HiBeam | 2 | Fat decay sound with brassy color |
| 28 | EP:EP&HiVCE | 3 | Layered electric piano and chorus |
| 29 | ST:PhazedPad | 2 | Synth pad through phaser |
| 30 | SE:TerrorSE | 4 | Horror-type lower-depths sound effect |
| 31 | KS:JazzClub | 3 | Split: wood bass and piano |
| 32 | BR:Festival | 2 | Fanfare brass; good for single-note play |

Performance bank selects are as follows.

PRE : MSB = 01, LSB = 00

INT : MSB = 02, LSB = 00

AP:acoustic piano
 BA:bass
 BR:brass
 CH:choir
 ET:ethnic
 EP:electric piano
 FX:synth SFX
 GT:guitar
 KS:keyboard split
 LD:synth lead
 MK:misc. piano/keyboard
 OR:organ
 PD:synth pad
 SE:sound effects
 ST:strings/orchestra

| Function ... | Transmitted | Recognized | Remarks |
|--------------------------|-------------|----------------|------------------|
| Basic Default | x | 1 - 16 | memorized |
| Channel Changed | x | 1 - 16 | |
| Mode Default | x | 3 | |
| Messages | x | 3,4(m = 1) *2 | |
| Altered | ***** | x | |
| Note Number : True voice | x | 0 - 127 | |
| | ***** | 0 - 127 | |
| Velocity Note ON | x | o 9nH,v=1-127 | |
| Note OFF | x | x | |
| After Key's | x | o *1 | |
| Touch Ch's | x | o *1 | |
| Pitch Bender | x | o 0-24 semi *1 | |
| | x | o *1 | Bank Select |
| | x | o *1 | |
| | x | o | Data Entry |
| | x | o *1 | |
| Control 71-74 | x | o | Sound Controller |
| | x | o | Portamento Cntrl |
| Change 91,93,94 | x | o | Effect Depth |
| | x | o *1 | RPN Inc,Dec |
| | x | o *1 | NRPN LSB,MSB |
| | x | o *1 | RPN LSB,MSB |
| | x | o | All Sound Off |
| | x | o | Reset All Cntrls |
| Prog Change : True # | x | o 0 - 127 | |
| | ***** | | |
| System Exclusive | o *3 | o *3 | |
| System : Song Pos. | x | x | |
| : Song Sel. | x | x | |
| Common : Tune | x | x | |
| System :Clock | x | x | |
| Real Time :Commands | x | x | |
| Aux :Local ON/OFF | x | x | |
| :All Notes OFF | x | o(123-127) | |
| Mes- :Active Sense | x | o | |
| sages:Reset | x | x | |

Notes: *1 ; receive if switch is on.
 *2 ; m is always treated as "1" regardless of its value.
 *3 ; transmit/receive if exclusive switch is on.

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