Chapter 3
Effects

List of Factory Preset Global Effects and Their Configurations

ID#	Name	Configuration
1	Sweet Hall	Ultimate Reverb
2	Small Hall	Room Simulator
3	Medium Hall	Ultimate Reverb
4	Large Hall	Ultimate Reverb
5	Big Gym	Room Simulator
6	Bright Plate 1	Ultimate Reverb
7	Opera House	Ultimate Reverb
8	Live Chamber	Room Simulator
9	Bathroom	Ultimate Reverb
10	Med Large Room	Room Simulator
11	Real Room	Ultimate Reverb
12	Drum Room	Room Simulator
13	Small Dark Room	Room Simulator
14	Small Closet	Ultimate Reverb
15	Add Ambience	Room Simulator
16	Gated Reverb	Gated Reverb
17	Reverse Reverb	Reverse Reverb
18	Non-Linear	Ultimate Reverb
19	Slapverb	Room Simulator
20	Full Bass	Chorus+Delay+Room+Mixer
21	Room & Delay	Delay+Room+Mixer
22	Delay Big Hall	Delay+Hall+Mixer
23	Chorus Room	Chorus+Room+Mix
24	Chorus Smallhall	Chorus+Hall+Mix
25	Chorus Med Hall	Chorus+Hall+Mix
26	Chorus Big Hall	Chorus+Hall+Mix
27	Chor-Delay Room	Chorus+Delay+Room+Mixer
28	Chor-Dly Hall	Chorus+Delay+Hall+Mixer
29	Flange-Dly Room	Flange+Delay+Room+Mixer
30	Flange-Dly Hall	Flange+Delay+Hall+Mixer
31	Stereo Chorus	Stereo Chorus
32	Stereo Flanger	Stereo Flange
33	Stereo Delay	4-Tap Delay
34	4 Tap Delay	4-Tap Delay
35	Chorus Delay	Parametric EQ+Chorus+Delay+Mixer
36	Flange Delay	Parametric EQ+Flange+Delay+Mixer
37	Chorus 4 Tap	EQ+Chorus+4 Tap Delay+Mixer
100	Flange 4 Tap	EQ+Flange+4 Tap Delay+Mixer
101	Chorus Echo	EQ+Chorus+4 Tap Delay+Mixer
102	Chorus Echoverb	EQ+Chorus+4 Tap Delay+Mixer
103	Fast Flange	Stereo Flange
104	Wash	Chorus+Delay+Hall+Mixer
105	Into the Abyss	Chorus+Delay+Hall+Mixer
106	Space Flanger	EQ+Flange+4 Tap Delay+Mixer
107	Flange Room	Flange+Delay+Hall+Mixer
108	Predelay Hall	Delay+Hall+Mixer
109	Flange Echo	EQ+Flange+4 Tap Delay+Mixer

Effects Controller Numbers

The K2500 uses the Digitech 256 chip for its effects processor. When in Program Mode, the operating system allows you to assign any MIDI controller to Wet/Dry Mix plus two additional parameters related to the effect. (The choice of controllable parameters changes depending on the effect configuration. They are the parameters you see when you go to edit the effect.)

But if the FX Mode parameter on the Effects page is set to Master, then the remapping that takes place within the program is not applied. Instead, you use a predefined set of controller numbers. So to control the effects processor in real time when FX Mode is set to Master, you must use the following controller numbers.

To control the effects processor in this manner, press the EFFECTS button. Change FX Mode to Master, and set FX Chan to the channel you will use to send the controller info. (You can also send program changes on this channel to switch effects, so it is usually best to pick a channel that is not being used for notes.) These settings are remembered as long as the Power Mode parameter on the MIDI receive page is set to User. Otherwise, you will have to re-enter the settings each time you power up.

In the following chart, the parameters are grouped by Configuration. Multi FX will contain parameters found in more than one configuration.

Ultimate Reverb

Decay time	77
Room volume	78
HF damping	14
Envelopment	32
Early Delay	29
Early Diffusion	30
Later Delay	n/a
Later Diffusion	93
Dry Level	28
Early Level	31
Later Level	92

Room Simulation

Gross Size	90
Decay Time	15
Listening Position	79
HF Damping	14
Dry Level	28
Reverb Level	88

Reverb in Multi FX

RevPre-Delay	80
Hi-Freq Damp	83
Reverb Decay	82
Revin dry	86
Revin flange	87
Revin Delay	85

Gated Reverb

Pre-Delay	80
Decay Time	38
Envelope	39
Accent Dly	01
Dry Level	57
Accent Level	02
Right Level	62
Left Level	94

Reverse Reverb

Pre-Delay	80
Reverse Time	89
Accent Delay	01
Accent Level	02
Dry Level	57
Right Level	66
Left Level	65
Accent Lvl L	50
Accent Lvl R	51

Parametric EQ

Band 1 Freq	03
Band 1 level	04
Band 2 Freq	05
Band 2 level	06
Band 3 Freq	07
Band 3 level	08
EQ level	58

Graphic EQ

63 Hz	41
125 Hz	43
250 Hz	45
500 Hz	47
1.0 Khz	42
2.0 Khz	44
4.0 Khz	46
8.0 Khz	48

Stereo Chorus

Chorus Delay	10
LFO Speed	13
LFO Depth	12
Dry Level	57
Right Level	54
Left Level	52
Chorus Level	53

Stereo Flange

Flange Delay	33
LFO Speed	37
LFO Depth	36
Feedback	35
Dry Level	57
Right Level	61
Left Level	59
Flange Level	60

Stereo Delay

Delay Time	22
Feedback	17
Dry Level	57
Right Level	56
Left Level	55
DelayDry In	19
Delay Chr In	18
Delay Flg In	21
Delay EQ In	20
Delay EQ Src	16

4 Tap Delay

Tap 1 Delay	24
Tap 2 Delay	25
Tap 3 Delay	26
Tap 4 Delay	27
Feed Delay	23
Feedback	17
Dry Level	57
Tap 1 Level L,R	67, 68
Tap 2 Level L,R	69, 71
Tap 3 Level L,R	72, 74
Tap 4 Level L,R	75, 76
Tap 2 Level	70
Tap 4 Level	73

Other

Wet/Dry Mix	91
Bypass	09
LowPass Filter	49

NOTES:

In the interest of signal to noise performance, the effects dry level parameter should be left at 0 and the Wet/Dry mix (91) should be used instead.

Some of the above parameters may only be found in a Multi FX patch.