

# DTX TREME III

DRUM TRIGGER MODULE III

## DATA LIST



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# Preset Drum Kit List

MSB=125/LSB=0

Kit No.	Name
1	Oak Custom
2	BirchCstmAbs
3	Power Kit
4	80s Gate
5	Club Set
6	HipHop
7	70s NY
8	Funk Master *
9	AJ JazzFunky
10	PercsMaster
11	MapleCstmAbs
12	BeechCstmAbs
13	Rock Kit
14	Grunge *
15	R&B
16	ElectricFunk *
17	Tower Funk
18	80s W.Coast
19	AJ Happy
20	Waaaaaah!
21	Vintage
22	Groove Jam
23	Hard Rock
24	Punkish!
25	TradElectric
26	House Kit
27	Small Jazz
28	Cocktail
29	AJ Amby
30	Sci-Fi *
31	Compact Kit
32	Jazz Kit
33	Rhythm Trees
34	Heavy Comp
35	Movin' *
36	Dance&Percs
37	Abstract
38	Brush Kit
39	Orchestra
40	AfterHours
41	RX5/11
42	Old School *
43	SFX
44	Human Kit
45	Reggae Kit
46	Cuban
47	Brazil
48	Asian
49	African
50	GM Kit

\* List of Drum Kits using Pad Songs

Kit No.	Name	Input Source	Song No.	Name
8	Funk Master	Tom1Rim1	51	FunkOrgan
		Tom2Rim1	49	Funk F
		Tom3Rim1	48	Funk C
		Tom3Rim2	50	FunkBass
14	Grunge	Tom1Rim1	54	AltRock3
		Tom2Rim1	53	AltRock2
		Tom3Rim1	52	AltRock1
16	ElectricFunk	Tom1Rim1	55	E-Funk C
		Tom1Rim2	57	E-FunkSeq
		Tom2Rim1	56	E-Funk G
		Tom3Rim1	58	E-FunkLead
30	Sci-Fi	Tom3Rim1	70	Shaker16Bt
35	Movin'	Crash1Edge	86	Pitch-Lo
		Tom1Rim1	84	Filter
		Tom2Rim1	85	Pitch-Hi
		Tom3Rim1	87	ChorusFx
42	Old School	Tom3Rim2	87	ChorusFx

# Voice Set Name List

## Kick

No.	Name
0	no assign
1	Oak 22
2	Oak 22Mute
3	Birch 22
4	Birch 24
5	Maple 22
6	Maple 22Mt
7	Beech 20
8	Beech 22
9	RoomSolid
10	RoomSoft
11	RoomMed
12	RoomPunch
13	Compact
14	Jazz
15	JazzOpen
16	LoRoom
17	Bottom
18	Cocktail
19	Power
20	HardRock
21	Punkish
22	Rock1
23	Rock2
24	Rock3
25	RockMute
26	RockAmb1
27	RockAmb2
28	Room1
29	Room2
30	RoomSnOn1
31	RoomSnOn2
32	RoomSnOn3
33	DryTight1
34	DryTight2
35	DryTight3
36	DryTight4
37	Gate1
38	Gate2
39	Gate3
40	Gate4
41	Gate5
42	Gate6
43	T9-1
44	T9-3
45	RX5-1
46	RX5-2
47	DigiNeo1
48	T8-1
49	T8-2
50	AnSm
51	HipHop1
52	HipHop5
53	HipHop10
54	Jungle1
55	HipDeep
56	Dist4
57	ElecGate
58	Scrat R&B

## Snare

No.	Name
0	no assign
1	OakCustom
2	AJ Happy
3	BirchCustm
4	Waaaaaah!
5	MapleCustm
6	ElecFunk
7	BeechCustm
8	GM Snare
9	LiteWood
10	Cool
11	AJ JzFunky
12	Funky
13	ThinMaple
14	Brass
15	DeepOak
16	80s
17	Metal
18	Power
19	Compact
20	HardRock
21	Punkish
22	Brazil
23	BrushSwir
24	Brush
25	Cocktail
26	Reggae
27	Rock
28	HyperStand
29	Dance
30	AJ Amby
31	T9
32	RX5
33	OldSchool
34	Abstract
35	House
36	Electric
37	Sci-Fi
38	Movin'
39	HipHop
40	AfterHours
41	R&B

## Tom

No.	Name	No.	Name
0	no assign	64	Jazz H
1	Oak 10	65	Jazz M
2	Oak 10A	66	Jazz L
3	Oak 12	67	Jazz F
4	Oak 14	68	Rot H
5	Oak 16	69	Rot M
6	Birch 10	70	Rot L
7	Birch 10A	71	Rot down H
8	Birch 10B1	72	Rot down M
9	Birch 10B2	73	Rot down L
10	Birch 10B3	74	Hyper H
11	Birch 10C	75	Hyper M
12	Birch 12D	76	Hyper L
13	Birch 12	77	Hyper F
14	Birch 12C	78	Studio H-B
15	Birch 14	79	Studio M-B
16	Birch 14C	80	Studio L1
17	Birch 16	81	Studio L2
18	Birch 16C	82	Studio L-B
19	GM Tom1	83	Studio L3
20	Maple 10	84	Studio F-A
21	GM Tom2	85	Studio F-B
22	Maple 12	86	Studio F
23	Maple 12A	87	T9 H3
24	GM Tom3	88	T9 H1
25	Maple 14	89	T9 H2
26	Maple 14A	90	T9 H4
27	GM Tom4	91	RX5-1A
28	Maple 16	92	RX5-1
29	Beech 10	93	RX5-2A
30	Beech 12A	94	RX5-2
31	Beech 12	95	RX5-3A
32	Beech 14A	96	RX5-3
33	Beech 14	97	RX5-4A
34	Beech 16A	98	RX5-4
35	Beech 16	99	T8 H1
36	Power H	100	T8 H2
37	Power H-A	101	T8 H3
38	Power M	102	T8 H4
39	Power M-A	103	AnTm
40	Power L	104	AnSm1
41	Power L-A	105	AnSm2
42	Power F	106	AnSm3
43	Power F-A	107	AnSm4
44	Compact H	108	Dist H1
45	Compact M	109	Dist H2
46	Compact L	110	Dist H3
47	Compact F	111	Dist H4
48	HardRock H		
49	HardRock M		
50	HardRock L		
51	HardRock F		
52	Rock H		
53	Rock M		
54	Rock L		
55	Rock F		
56	Brush H		
57	Brush M		
58	Brush L		
59	Brush F		
60	Mallet L		
61	Cocktail H		
62	Cocktail L		
63	Jazz H-A		

## Cymbal

No.	Name	No.	Name
0	no assign	64	FX Cym2
1	Vivid 17-1	65	FX Cym3
2	Vivid 17-2	66	ShekereShk
3	Vivid 17-3	67	ResinBlk
4	Dark 18	68	T9Crash
5	Cool 17	69	Brite 18-6
6	GM Crash1	70	VoCrash
7	Brite 18-1		
8	Brite 18-2		
9	Brite 18-3		
10	Brite 18-4		
11	Brite 18-5		
12	GM Crash2		
13	Thin 16-1		
14	Thin 16-2		
15	Thin 16-3		
16	Thin 16-4		
17	Thin 16-5		
18	Heavy 18		
19	Warm 16-1		
20	Warm 16-2		
21	Warm 16-3		
22	Warm 16-4		
23	Brite 20-1		
24	Brite 20-2		
25	Warm 20-1		
26	Warm 20-2		
27	GM Ride		
28	Dark 20-1		
29	Dark 20-2		
30	Solid 20		
31	Sweet 21		
32	Mellow 22		
33	Dry		
34	China 16-1		
35	China 16-2		
36	China 16-3		
37	China 19		
38	ChinaPower		
39	Trash2		
40	Splash1		
41	Splash2-1		
42	SizlRd 20		
43	SizlRd 22		
44	HandCym		
45	HandCymMt		
46	ChinaDora		
47	ChinaGong1		
48	ChinaGong2		
49	GlassCrash		
50	Crash16FX1		
51	Crash16FX2		
52	T8 Crash1		
53	T8 Crash2		
54	RX5Crash1		
55	RX5Crash2		
56	RX5Crash3		
57	T9Ride1		
58	T9Ride2		
59	T8Ride2		
60	RX11Ride1		
61	RX11Ride2		
62	RX11Ride3		
63	FX Cym1		

## Voice Set Name List

### HiHat

No.	Name
0	no assign
1	Vivid 13
2	Dark 14
3	Brite 14
4	Warm 13
5	Lite 13
6	GM HiHat
7	Cool 14
8	Rock
9	Brush 13
10	White
11	T9-1
12	T9-2
13	RX5
14	DigiNeo1
15	DigiNeo2
16	DigiNeo3
17	T8-1
18	T8-2
19	Syn
20	Hip

### Percussion

No.	Name	No.	Name
0	no assign	64	Tabla Na C
1	Surdo SW1	65	Timpani G1
2	CcktlPerc2	66	Timpani C2
3	Surdo SW2	67	Timpani F2
4	Surdo OpRm		
5	GrnCssa Op		
6	GrnCssaMt2		
7	Tambrin1SW		
8	CcktlPerc1		
9	Tambrin1Ht		
10	Tambrin3-1		
11	Tambrin3-2		
12	Pandeiro		
13	Tamborim		
14	Cowbell4		
15	Cowbell5		
16	Bongo		
17	Quinto1		
18	Quinto2		
19	Conga1		
20	Conga2		
21	Conga3		
22	Conga4		
23	Tumba1		
24	Tumba2		
25	Cajon		
26	Djembe1		
27	Djembe2Lo		
28	Djembe2		
29	PotDrum1		
30	PotDrum2		
31	PotDrum3		
32	TimbaleHi1		
33	TimbaleHi2		
34	TimbaleHi3		
35	TimbaleHi4		
36	TimbaleHi5		
37	TimbaleLo1		
38	TimbaleLo2		
39	TimbaleLo3		
40	TalkngDr		
41	Agogo2		
42	Shekere		
43	GuiroLong		
44	WoodBlock3		
45	Triangle1		
46	Triangle2		
47	Triangle3		
48	Triangi3Mt		
49	Shaker1-1		
50	Shaker1-2		
51	Caxixi		
52	SleighBel1		
53	WindChime		
54	Oodaiko1		
55	Yagura		
56	ShimeDaiko		
57	Atarigane		
58	Darbuka		
59	Dhol Open1		
60	Dhol Open2		
61	Dhol Mute		
62	Baya Ge E		
63	Baya Ghe E		

### Effect

No.	Name
0	no assign
1	Sizzle
2	NoiseLong
3	FX Chime
4	Scratch L
5	HitC
6	HitStrAtk
7	HitCrash
8	HitR&B1
9	HitR&B2
10	HitR&B5th1
11	HitR&B5th2
12	HitHip1
13	HitHip2
14	Industry
15	Fairwave
16	LoopNeoSeq
17	LoopAmb
18	EthnRhythm
19	GunShot2
20	CarCrash
21	Bomb
22	Didgerido2
23	VinylMan
24	VoBd2-1
25	VoBd2-2
26	VoBd2-3
27	VoBd3
28	VoBd4
29	VoSd3
30	VoAh1
31	VoConga
32	VoCabasa
33	HahYeah!

# Drum Voice List

## 1.Kick1

No.	Name
0	no assign
1	Oak 22
2	Oak 22 Mt
3	Birch 22
4	Birch 24
5	Maple 22
6	Maple 22Mt
7	Beech 20
8	Beech 22
9	RoomSolid
10	RoomSoft
11	RoomMed
12	RoomPunch
13	Compact
14	Jazz
15	JazzOpen
16	LoRoom
17	Bottom
18	Cocktail
19	Power
20	HardRock
21	Punkish
22	Rock1
23	Rock2
24	Rock3
25	RockMute
26	RockAmb1
27	RockAmb2
28	Room1
29	Room2
30	RoomSnOn1
31	RoomSnOn2
32	RoomSnOn3
33	DryTight1
34	DryTight2
35	DryTight3
36	DryTight4
37	Gate1
38	Gate2
39	Gate3
40	Gate4
41	Gate5
42	Gate6

## 2.Kick2

No.	Name	No.	Name
0	no assign	64	Dist6
1	T9-1	65	FxHammer
2	T9-2	66	ZapHard
3	T9-3	67	ZapMid
4	T9-4	68	Sustain
5	T9 Hd1	69	TekPower
6	T9 Hd2	70	ElecFX1
7	T9 Hd3	71	ElecFX2
8	Blip	72	ElecGate
9	BlipHard	73	FX Gate
10	HardLong	74	Reverse
11	An Tight		
12	An Hard		
13	Elec1		
14	Elec2		
15	Elec3		
16	Elec4		
17	ElecComp1		
18	ElecComp2		
19	ElecComp3		
20	ElecClick		
21	ElecPower1		
22	ElecPower2		
23	RX5-1		
24	RX5-2		
25	DigiNeo1		
26	DigiNeo2		
27	T8-1		
28	T8-2		
29	T8-3		
30	An Sm		
31	An CR		
32	R&B1		
33	R&B2		
34	HipHop1		
35	HipHop2		
36	HipHop3		
37	HipHop4		
38	HipHop5		
39	HipHop6		
40	HipHop7		
41	HipHop8		
42	HipHop9		
43	HipHop10		
44	Jungle1		
45	Jungle2		
46	Jungle3		
47	D&B1		
48	D&B2		
49	Bd+HH		
50	HipDeep		
51	BreakDeep		
52	Break1		
53	Break2		
54	BreakHeavy		
55	BreakHard		
56	Lo-Fi		
57	ThickSkin		
58	Slimy		
59	Dist1		
60	Dist2		
61	Dist3		
62	Dist4		
63	Dist5		

## 3.Snare1

No.	Name	No.	Name
0	no assign	64	Metal Off
1	OakCustom	65	Metal OpOf
2	OakCusOpRm	66	Metal ClOf
3	OakCusClRm	67	Power
4	OakCus Off	68	Power OpRm
5	OakCusOpOf	69	Power ClRm
6	OakCusClOf	70	Power Off
7	BirchCustm	71	Power OpOf
8	BirchCOpRm	72	Power ClOf
9	BirchCClRm	73	Compact
10	BirchC Off	74	CompctOpRm
11	BirchCOpOf	75	CompctClRm
12	BirchCClOf	76	Compct Off
13	MapleCustm	77	CompctOpOf
14	MapleCOpRm	78	CompctClOf
15	MapleCClRm	79	HardRock
16	MapleC Off	80	HardRockOp
17	MapleCOpOf	81	HardRockCl
18	MapleCClOf	82	HardRockOf
19	BeechCustm	83	HrdRckOpOf
20	BeechCOpRm	84	HrdRckClOf
21	BeechCClRm	85	Punkish
22	BeechC Off	86	Punk OpRm
23	BeechCOpOf	87	Punk ClRm
24	BeechCClOf	88	Punksh Off
25	LiteWood	89	Punk OpOff
26	LiteWdOpRm	90	Punk ClOf
27	LiteWdClRm	91	Tiny
28	LiteWd Off	92	Tiny OpRm
29	LiteWdOpOf	93	Tiny Off
30	LiteWdClOf	94	TinyOpRmOf
31	Cool	95	Brush Tap1
32	Cool OpRm	96	Brush Tap2
33	Cool ClRm	97	Brush Swir
34	Cool Off	98	BrushSwlAt
35	Cool OpOf	99	BrshSwpTp1
36	Cool ClOf	100	BrshSwpTp2
37	Funky	101	BrsSwpTpOf
38	Funky OpRm	102	Brush Rm
39	Funky ClRm	103	Brush RmOf
40	Funky Off		
41	Funky OpOf		
42	Funky ClOf		
43	ThinMaple		
44	ThnMplOpRm		
45	ThnMplClRm		
46	ThnMpl Off		
47	ThnMplOpOf		
48	ThnMplClOf		
49	Brass		
50	Brass OpRm		
51	Brass ClRm		
52	Brass Off		
53	Brass OpOf		
54	Brass ClOf		
55	DeepOak		
56	DpOak OpRm		
57	DpOak ClRm		
58	DpOak Off		
59	DpOak OpOf		
60	DpOak ClOf		
61	Metal		
62	Metal OpRm		
63	Metal ClRm		

## 4.Snare2

No.	Name
0	no assign
1	Cocktail
2	CctailOpRm
3	Cctail Off
4	CctailOfRm
5	MplVtg
6	MplVtgOpRm
7	MplVtg Off
8	MplVtgOpOf
9	Steel
10	Steel OpRm
11	Steel Off
12	Rock1
13	Rock1 Mt
14	Rock1 OpRm
15	Rock1 ClRm
16	Rock2
17	Rock2 Mt
18	Rock2 OpRm
19	Rock2 ClRm
20	Strong
21	Strong OpR
22	Hard OpRm
23	HyprStd1
24	HyprStd1Op
25	HyprStd2
26	HyprStd2Op
27	Deep
28	Deep OpRm
29	Tight
30	Tight OpRm
31	DryStd1
32	DryStd2
33	Hip
34	Hip OpRm
35	Loosy
36	Loosy OpRm
37	DryMute
38	DryMute Op
39	DryDeep
40	DryDeep Op
41	Slam
42	Slam OpRm
43	Gate1
44	Gate2
45	Gate3
46	Gate4
47	Gate ClRm
48	SnareRoll
49	SnrRoll SW
50	Snappy1
51	Snappy2
52	Snappy3
53	Snappy4

## Drum Voice List

### 5.Snare3

No.	Name	No.	Name
0	no assign	64	Hip Rm2
1	T9-1	65	Hip Rm3
2	T9-2	66	Hip Rm4
3	T9-3	67	Hip Rm5
4	T9-4	68	Hip Rm6
5	T9-5	69	HipHop Rm1
6	T9 Gate	70	HipHop Rm2
7	T9 Rm	71	HipHop Rm3
8	Elec1	72	HipHop Rm4
9	Elec2	73	HipHop Rm5
10	Elec3	74	HipHop Rm6
11	Elec4	75	HipHop Rm7
12	Elec5	76	DualHipHop
13	Elec6	77	Jungle1
14	Elec7	78	Jungle2
15	Elec8	79	Jungle3
16	Elec9	80	Cut
17	Elec10	81	Wood
18	Elec11	82	JungleFX
19	Elec12	83	D&B1
20	RX5-1	84	D&B2
21	RX5-2	85	D&B3
22	RX5 Rm	86	D&B4
23	DigiNeo1	87	Break1
24	DigiNeo2	88	Break2
25	DigiNeo3	89	Break3
26	T8-1	90	BreakHeavy
27	T8-2	91	BreakRoll
28	T8-3	92	ElecGate1
29	T8-4	93	ElecGate2
30	T8-5	94	ElecGate3
31	T8 Rm	95	ElecGate4
32	An Sm	96	ElecGate5
33	An Rm	97	Dist
34	Rm SE	98	FX1
35	An CR	99	FX2
36	An CR Rm	100	FX3
37	Garg H	101	FX4
38	Garg L	102	Hammer
39	ClapAn		
40	FM		
41	FM Rm		
42	Syn		
43	Clappy		
44	Timber		
45	R&B1		
46	R&B1 OpRm		
47	R&B2		
48	VoicePerc		
49	Hip1		
50	Hip2		
51	Hip3		
52	HipGate		
53	Lo-Fi		
54	HipHop1		
55	HipHop2		
56	HipHop3		
57	HipHop4		
58	HipHop5		
59	HipHop6		
60	HipHop7		
61	HipHop8		
62	HipHopOpRm		
63	Hip Rm1		

### 6.Tom1

No.	Name	No.	Name
0	no assign	64	Cmpct L Rm
1	Oak 10	65	Cmpct L Hp
2	Oak 10 Rm	66	Cmpct F
3	Oak 10 Hp	67	Cmpct F Rm
4	Oak 12	68	Cmpct F Hp
5	Oak 12 Rm	69	HdRck H
6	Oak 12 Hp	70	HdRck H Rm
7	Oak 14	71	HdRck M
8	Oak 14 Rm	72	HdRck M Rm
9	Oak 14 Hp	73	HdRck L
10	Oak 16	74	HdRck L Rm
11	Oak 16 Rm	75	HdRck F
12	Oak 16 Hp	76	HdRck F Rm
13	Birch 10	77	Rock H
14	Birch 10Rm	78	Rock H Rm
15	Birch 10Hp	79	Rock M
16	Birch 12	80	Rock M Rm
17	Birch 12Rm	81	Rock L
18	Birch 12Hp	82	Rock L Rm
19	Birch 14	83	Rock F
20	Birch 14Rm	84	Rock F Rm
21	Birch 14Hp	85	Brush H
22	Birch 16	86	Brush H Rm
23	Birch 16Rm	87	Brush M
24	Birch 16Hp	88	Brush M Rm
25	Maple 10	89	Brush L
26	Maple 10Rm	90	Brush L Rm
27	Maple 10Hp	91	Brush F
28	Maple 12	92	Brush F Rm
29	Maple 12Rm	93	Mallet H
30	Maple 12Hp	94	Mallet M
31	Maple 14	95	Mallet L
32	Maple 14Rm	96	Ccktl H
33	Maple 14Hp	97	Ccktl H Rm
34	Maple 16	98	Ccktl L
35	Maple 16Rm	99	Ccktl L Rm
36	Maple 16Hp	100	Jazz12
37	Beech 10	101	Jazz12 Rm
38	Beech 10Rm	102	Jazz14
39	Beech 10Hp	103	Jazz14 Rm
40	Beech 12	104	Rot H
41	Beech 12Rm	105	Rot M
42	Beech 12Hp	106	Rot L
43	Beech 14	107	Rot down H
44	Beech 14Rm	108	Rot down M
45	Beech 14Hp	109	Rot down L
46	Beech 16	110	Rot up H
47	Beech 16Rm	111	Rot up M
48	Beech 16Hp	112	Rot up L
49	Power H	113	Hyper H
50	Power H Rm	114	Hyper M
51	Power M	115	Hyper L
52	Power M Rm	116	Hyper F
53	Power L	117	Studio H
54	Power L Rm	118	Studio M
55	Power F	119	Studio L
56	Power F Rm	120	Studio F
57	Cmpct H		
58	Cmpct H Rm		
59	Cmpct H Hp		
60	Cmpct M		
61	Cmpct M Rm		
62	Cmpct M Hp		
63	Cmpct L		

### 7.Tom2

No.	Name
0	no assign
1	T9 H
2	T9 L1
3	T9 L2
4	RX5-1
5	RX5-2
6	RX5-3
7	RX5-4
8	RX5 Elec1
9	RX5 Elec2
10	RX5 Elec3
11	RX5 Elec4
12	T8 H
13	T8 L
14	An Tm
15	An Sm
16	SynTom1
17	SynTom2
18	Dist H
19	Dist L
20	IndusTom
21	ReverseTom

8.Cymbal

No.	Name	No.	Name
0	no assign	64	Brush Cp
1	Vivid 17	65	RideBrush1
2	Vivid 17Eg	66	RideBrush2
3	Vivid 17Cp	67	SizIRd20
4	Dark 18	68	SizIRd20Eg
5	Dark 18Eg	69	SizIRd20Cp
6	Dark 18Cp	70	SizIRd22
7	Cool 17	71	SizIRd22Eg
8	Cool 17Eg	72	SizIRd22Cp
9	Cool 17Cp	73	HandCym Op
10	Brite 18	74	HandCymMt1
11	Brite 18Eg	75	HandCymMt2
12	Brite 18Cp	76	HandCymSW
13	Thin 16	77	ChinaDora1
14	Thin 16Eg	78	ChinaDora2
15	Thin 16Cp	79	ChinaGong1
16	Heavy 18	80	ChinaGong2
17	Heavy 18Eg	81	ChinaRvrs
18	Heavy 18Cp	82	ChinaMini
19	Warm 16	83	RideMini
20	Warm 16Eg	84	Sizzle
21	Warm 16Cp	85	GlassCrash
22	Power 16	86	ChinaFX
23	Power 17	87	Crash 16FX
24	Fast 14	88	T9 Crash
25	Brite 20	89	T8 Crash
26	Brite 20Eg	90	RX5 Crash
27	Brite 20Cp	91	RX5 Eg
28	Warm 20	92	RX5 Cp
29	Warm 20Eg	93	RX11 Crash
30	Warm 20Cp	94	SynCrash
31	Dark 20	95	T9 Ride
32	Dark 20Eg	96	T9 Ride Eg
33	Dark 20Cp	97	T8 Ride
34	Solid 20	98	T8 Ride2
35	Solid 20Eg	99	T8 Ride2Eg
36	Solid 20Cp	100	RX11 Ride
37	Sweet 21	101	FX Cym1
38	Sweet 21Eg	102	FX Cym2
39	Sweet 21Cp	103	FX Cym3
40	Mellow22	104	FX Cym4
41	Mellow22Eg	105	ReverseCym
42	Mellow22Cp		
43	Flat 20		
44	Dry		
45	Dry Cp		
46	Lite		
47	Lite Cp		
48	China 16		
49	China 16Eg		
50	China 19		
51	China 19Eg		
52	ChinaPower		
53	ChinaSmall		
54	Trash1		
55	Trash2		
56	Trash3		
57	Trash4		
58	ChinaDry		
59	Splash1		
60	Splash2		
61	Splash3		
62	Brush1		
63	Brush2		

9.HiHat

No.	Name	No.	Name
0	no assign	64	T8-2 Cl
1	Vivid 13Op	65	An CR Op
2	Vivid 13EO	66	An CR Cl
3	Vivid 13Cl	67	Syn Op
4	Vivid 13EC	68	Syn Cl
5	Vivid 13Ft	69	Hip Op
6	Vivid 13Sp	70	Hip Cl
7	Dark 14 Op	71	Hip Ft
8	Dark 14EOp	72	D&B Op
9	Dark 14 Cl	73	D&B Cl
10	Dark 14ECI	74	D&B Ft
11	Dark 14 Ft	75	D&B Revers
12	Dark 14 Sp	76	Break Cl
13	Brite 14Op	77	Break Ft
14	Brite 14EO	78	TinyHH Op
15	Brite 14Cl	79	TinyHH Cl
16	Brite 14EC	80	Lo-Fi Op
17	Brite 14Ft	81	Lo-Fi Cl
18	Brite 14Sp	82	FX Op
19	Warm 13 Op	83	FX Cl
20	Warm 13EOp		
21	Warm 13 Cl		
22	Warm 13ECI		
23	Warm 13 Ft		
24	Warm 13 Sp		
25	Lite 13 Op		
26	Lite 13EOp		
27	Lite 13 Cl		
28	Lite 13ECI		
29	Lite 13 Ft		
30	Lite 13 Sp		
31	Cool 14 Op		
32	Cool 14EOp		
33	Cool 14 Cl		
34	Cool 14ECI		
35	Cool 14 Ft		
36	Cool 14 Sp		
37	Rock Op		
38	Rock Cl		
39	Rock ECI1		
40	Rock ECI2		
41	Rock Ft		
42	Tight 12Op		
43	Tight 12Cl		
44	Tight 12Ft		
45	Tight 12Sp		
46	Brush 13Op		
47	Brush 13Cl		
48	White Op		
49	White HFop		
50	White Cl		
51	White SW		
52	T9 Op		
53	T9 Cl		
54	RX5 Op		
55	RX5 Cl		
56	DigiNeo Op		
57	DigiNeoHFop		
58	DigiNeo Cl		
59	Tek Op		
60	Tek Cl		
61	T8-1 Op		
62	T8-1 Cl		
63	T8-2 Op		

10.Perc1

No.	Name	No.	Name
0	no assign	64	Tumba Gls
1	Surdo SW	65	Cajon Lo
2	Surdo OpRm	66	Cajon Slp
3	Surdo Hp	67	Cajon Tip
4	GrnCssa Op	68	Cajon SW
5	GrnCssaMt1	69	Cajon Mt
6	GrnCssaMt2	70	Djembe1 Lo
7	GrnCssa SW	71	Djembe1Slp
8	FingerSnap	72	Djembe1 Mt
9	Castanet1	73	Djembe1 SW
10	Castanet2	74	Djembe2 Lo
11	Handclap	75	Djembe2Slp
12	Tambrin1SW	76	Djembe2 Mt
13	Tambrin2SW	77	Djembe2 SW
14	Tambrin3SW	78	Djembe2Szl
15	Tambrin4SW	79	PotDrum Op
16	Tambrin1Sh	80	PotDrum Cl
17	Tambrin1Ht	81	PotDrum SW
18	Tambrin2Sh	82	PotDrmBody
19	Tambrin2Ht	83	TimbalesHi
20	Tambrin3Sh	84	TimbalesLo
21	Tambrin3Ht	85	TimbalHiOR
22	Tambrin4Sh	86	TimbalLoOR
23	Tambrin4Ht	87	TblPairaHi
24	PandeiroOp	88	TblPairaLo
25	PandeiroTp	89	TalkngDrOp
26	PandeirSlp	90	TalkngDrSl
27	TamborimOp	91	TalkngDrMt
28	TambormSlp	92	TalkngDrUp
29	TamborimMt	93	TalkngDrSW
30	Cowbell1	94	Agogo1 Hi
31	Cowbell2	95	Agogo1 Lo
32	Cowbell3	96	Agogo2 Hi
33	Cowbell4	97	Agogo2 Lo
34	Cowbell5	98	Cabasa
35	Cowbell6	99	Maracas
36	Cowbell7	100	ShekereHit
37	Cowbell8	101	ShekereShk
38	Cowbell9	102	ShekereSW1
39	Vibraslap	103	ShekereSW2
40	BongoHiOp1	104	WhistlShrt
41	BongoHiOp2	105	WhistlLong
42	Bongo HiRm	106	GuiroShort
43	BongoHiMt1	107	GuiroLong
44	BongoHiH-T	108	Claves
45	BongoHiMt2	109	WoodBlock1
46	BongoloOp1	110	WoodBlock2
47	BongoloOp2	111	WoodBlock3
48	Bongolo Rm	112	ResinBlk S
49	Bongolo Mt	113	ResinBlk L
50	Quinto Slp	114	Stick1
51	Quinto Op	115	Stick2
52	Quinto Mt	116	Cuica Hi
53	Quinto H-T	117	Cuica Lo
54	Quinto O-S	118	Cuica SW
55	Conga Slp	119	Triangl1SW
56	Conga Op	120	Triangl2SW
57	Conga MtSW	121	Triangl3SW
58	Conga Mt	122	Triangl1Mt
59	Conga H-T	123	Triangl1Op
60	Conga O-S	124	Triangl2Mt
61	Tumba Op	125	Triangl2Op
62	Tumba MtSW	126	Triangl3Mt
63	Tumba Mt	127	Triangl3Op

## Drum Voice List

### 11.Perc2

No.	Name	No.	Name
0	no assign	64	Marimba A2
1	Shaker1	65	Marimba B2
2	Shaker2	66	Marimba C3
3	Shaker3	67	Marimba D3
4	Caxixi Ht	68	SteelPanC3
5	Caxixi Shk	69	SteelPanD3
6	Caxixi SW	70	SteelPanE3
7	SleighBel1	71	SteelPanF3
8	SleighBel2	72	SteelPanG3
9	BellTree	73	SteelPanA3
10	WindChime	74	SteelPanB3
11	WndChmShrt	75	SteelPanC4
12	Wahwahbell	76	Kalimba C3
13	Oodaiko1Op	77	Kalimba D3
14	Oodaiko1Mt	78	Kalimba E3
15	Oodaiko1Rm	79	Kalimba F3
16	Oodaiko2Op	80	Kalimba G3
17	Oodaiko2Mt	81	Kalimba A3
18	Oodaiko2Rm	82	Kalimba B3
19	Yagura Op	83	Kalimba C4
20	Yagura Mt	84	DulcimerC2
21	Yagura Rm	85	DulcimerD2
22	ShimeDaiko	86	DulcimerE2
23	Ohayashi	87	DulcimerF2
24	Tsudumi1	88	DulcimerG2
25	Tsudumi2	89	DulcimerA2
26	Hyoushigi	90	DulcimerB2
27	AtariganeO	91	DulcimerC3
28	AtariganeC	92	PopBellC3
29	AtariganeS	93	PopBellD3
30	DarbukaOp	94	PopBellE3
31	DarbukaMt	95	PopBellF3
32	DarbukaSlp	96	PopBellG3
33	Dhol Op	97	PopBellA3
34	Dhol Mt	98	PopBellB3
35	Dhol Slp	99	PopBellC4
36	KanjiraOp	100	PopBellD4
37	KanjiraSlp	101	PopBellE4
38	KanjiraShk	102	PopBellF4
39	Baya Ge E	103	PopBellG4
40	Baya Ghe E	104	PopBellA4
41	Baya Ka E	105	T9 Clap
42	Baya Ke E	106	An Clap
43	Baya Mt E	107	Sm Clap
44	Tabla Na C	108	ElecClap1
45	TablaTin C	109	ElecClap2
46	Tabla Di C	110	ElecClap3
47	Tabla Ne C	111	ElecClap4
48	Timpani C1	112	H-HopClap
49	Timpani D1	113	H-HopSnap
50	Timpani E1	114	An Cowbell
51	Timpani F1	115	RX5Cowbell
52	Timpani G1	116	CongaT8 1
53	Timpani A1	117	CongaT8 2
54	Timpani B1	118	CongaT8 3
55	Timpani C2	119	CongaT8 4
56	Timpani D2	120	An Claves
57	Timpani E2	121	An Shaker
58	Timpani F2		
59	Marimba C2		
60	Marimba D2		
61	Marimba E2		
62	Marimba F2		
63	Marimba G2		

### 12.Effect1

No.	Name	No.	Name
0	no assign	64	Hit C
1	ClickNoise	65	HitStrAtk
2	ClckNzLLong	66	HitCrash
3	ZapDry	67	Hit G#4
4	Pulse	68	BigSyn
5	Ripper	69	Electer
6	NoiseBurst	70	StabOrgan
7	Noise	71	HitR&B
8	NoiseLong	72	HitR&B5th
9	Zap1	73	HitXOrg
10	Zap2	74	HitFunk
11	HiQ1	75	HitHip1
12	HiQ2	76	HitHip2
13	Vox-HitRev	77	TrancePad
14	AmbShot	78	Sho
15	Metal	79	Darkness
16	Glass	80	Magnitude
17	Vibe	81	MotionBeam
18	BellFX1	82	Grain
19	BellFX2	83	Tunnel
20	ElecPerc1	84	WoodySeq
21	ElecPerc2	85	Industry
22	ElecPerc3	86	FX Pad
23	ElecPerc4	87	MindBell
24	ElecPerc5	88	Fairwave
25	ElecPerc6	89	MovinHarp
26	ElecPerc7	90	LoopNeoSeq
27	ElecPerc8	91	LoopPorta
28	ElecPerc9	92	LoopAmb
29	ElecPerc10	93	EthnRhythm
30	ElecPerc11	94	Metronome1
31	ElecPerc12	95	Metronome2
32	ElecPerc13	96	GlassCrash
33	ElecPerc14	97	GunShot1
34	ElecPerc15	98	GunShot2
35	FX Gun1	99	CarCrash
36	FX Gun2	100	CarTire
37	FX Chime	101	Train
38	Raspberry	102	Thunder
39	HopFX	103	TurnTable
40	DigiHeli	104	Police
41	RainLoop	105	Heartbeat
42	Ghunguru	106	Telephone1
43	Scratch H	107	Telephone2
44	Scratch L	108	Stream
45	ScratchDwn	109	Bomb
46	Scrat Hi F	110	Seashore
47	Scrat Hi R		
48	Scrat Lo F		
49	Scrat Lo R		
50	ScratBd F		
51	ScratBd R		
52	ScratSd F		
53	ScratSd R		
54	ScratVo F		
55	ScratVo R		
56	ScratStop		
57	ScratSpin		
58	ScratHip1		
59	ScratHip2		
60	ScratAttk		
61	ScratR&B		
62	TapeRew		
63	OrchHit		

### 13.Effect2

No.	Name
0	no assign
1	Radio
2	CompuVoice
3	Chatter
4	Voices
5	Didgerido1
6	Didgerido2
7	VinylMan
8	Vo Bd1
9	Vo Bd2
10	Vo Bd3
11	Vo Bd4
12	Vo Bd5
13	Vo Sd1
14	Vo Sd2
15	Vo Sd3
16	Vo SmTom
17	Vo Ah1
18	Vo Ah2
19	Vo Conga
20	Vo CowBell
21	Vo Cabasa
22	Vo HH Op
23	Vo Ride
24	Vo Crash1
25	Vo Crash2
26	Go!
27	Wooh!
28	Yoh!
29	HahYeah!
30	Haah!
31	Uh!
32	Aaah!
33	Ahh!
34	One
35	Two
36	Three
37	Four
38	Five
39	Six
40	Seven
41	Eight
42	Nine
43	Ten
44	Eleven
45	Twelve
46	Thirteen
47	Fourteen
48	Fifteen
49	Sixteen
50	A
51	An
52	And
53	Da
54	E



# Accompaniment Voice List

## MSB=0/LSB=0

No.	Name	No.	Name
1	GrandPiano	65	SopranoSax
2	BritePiano	66	AltoSax
3	ElecGrand	67	TenorSax
4	Honkytonk	68	BaritonSax
5	E.Piano1	69	Oboe
6	E.Piano2	70	EnglishHorn
7	HarpSichrd	71	Bassoon
8	Clavi	72	Clarinet
9	Celesta	73	Piccolo
10	Glocken	74	Flute
11	MusicBox	75	Recorder
12	Vibes	76	PanFlute
13	Marimba	77	Bottle
14	Xylophone	78	Shakuhachi
15	TublarBell	79	Whistle
16	Dulcimer	80	Ocarina
17	DrawOrgan	81	SquareLead
18	PercOrgan	82	SawLead
19	RockOrgan	83	CalliopeLd
20	ChurchOrg	84	ChiffLead
21	ReedOrgan	85	CharanLd
22	Accordion	86	VoiceLead
23	Harmonica	87	FifthLead
24	TangoAccrd	88	Bass&Lead
25	NylonGtr	89	NewAgePad
26	SteelGtr	90	WarmPad
27	JazzGtr	91	PolySynth
28	CleanGtr	92	ChoirPad
29	MuteGtr	93	BowedPad
30	Overdrive	94	MetalPad
31	Dist.Gtr	95	HaloPad
32	GtrHarmo	96	SweepPad
33	AcousBass	97	RainPad
34	FingerBass	98	SoundTrack
35	PickBass	99	Crystal
36	FretlessBs	100	Atmosphere
37	SlapBass1	101	Brightness
38	SlapBass2	102	Goblin
39	SynBass1	103	Echoes
40	SynBass2	104	Sci-Fi
41	Violin	105	Sitar
42	Viola	106	Banjo
43	Cello	107	Shamisen
44	Contrabass	108	Koto
45	TremoloStr	109	Kalimba
46	Pizz.Str	110	Bagpipe
47	Harp	111	Fiddle
48	Timpani	112	Shanai
49	Strings1	113	TinkleBell
50	Strings2	114	Agogo
51	SynthStr1	115	SteelDrum
52	SynthStr2	116	Woodblock
53	ChoirAah	117	TaikoDrum
54	VoiceOoh	118	MelodicTom
55	SynVoice	119	SynthDrum
56	OrchHit	120	RevCymbal
57	Trumpet	121	FretNoise
58	Trombone	122	BrthNoise
59	Tuba	123	Seashore
60	MuteTrump	124	Tweet
61	Fr.Horn	125	Telephone
62	BrassSect	126	Helicopter
63	SynBrass1	127	Applause
64	SynBrass2	128	Gunshot

## MSB=63/LSB=0

No.	Name	No.	Name
1	BluesPiano	65	3 OSC
2	VintageEP	66	DarkModPad
3	SuperClavi	67	Humanity
4	JazzOrgan	68	AaahPad
5	Progressy	69	OoohPad
6	ReedyPipe	70	SoftBrass
7	ClassicGtr	71	FeatherPad
8	HipHopStGt	72	BigComp
9	Overdriven	73	Percussive
10	PowerCode	74	Mirror
11	HeavyDist	75	Nature
12	PhaseGtr	76	Thexism
13	BluesGtr	77	WindBlows
14	DistMute	78	GoaPsyche
15	M60Twin	79	NoiseFX
16	M60Vintage	80	Pc India
17	M60Wah	81	Pc Timbale
18	M60Dist	82	Pc LatnAfr
19	M60USClean	83	Pc Toys
20	M60Phaser		
21	M60SmBlues		
22	M60Stack1		
23	M60Stack2		
24	MDstStack1		
25	MDstStack2		
26	MOdvStack1		
27	MOdvStack2		
28	DarkBass		
29	RoundWound		
30	Upright		
31	UniPunch		
32	LongSpit		
33	AcidBass		
34	Wazzo		
35	PulseStop		
36	ArmyBass		
37	PnchyDrone		
38	PopBell		
39	TronStr		
40	TapeStr		
41	Sforzando		
42	HybridSect		
43	ObSoft		
44	T Brass		
45	Soft5thB		
46	TronFlute		
47	AnalgPunch		
48	3 VCO		
49	DirtyHook		
50	SoftRnB		
51	SuprTrance		
52	BrightSaw		
53	Chordz		
54	WarmPad2		
55	Whispering		
56	XtremeRez		
57	ElecBlue		
58	LongHiPass		
59	DarkLight		
60	HighPass		
61	VP Soft		
62	Pad&Syn		
63	BackGround		
64	LightPad		

# Preset Song List

No.	Genre	Name
1	Rock Demo	Rockadelic Performed by Tommy Aldridge
2	Funk Demo	Wicked Composed and Performed by Akira Jimbo
3	Drum Solo	DrumSolo 1. Akira Jimbo 2. Dave Weckl 3. John Robinson 4. Russ Miller 5. Tommy Aldridge
4	Rock	SkatePunk
5		SouthRock
6		ChartRock
7	Hard Rock / Metal	FastRock
8		PowerRock
9		LA Metal
10		RockMix
11		ProgRock
12		ThrashMTL
13	Funk	ClasscFunk
14		R&B Funk
15		CoolFunk
16		ModernFunk
17	Shuffle	ClsShuffle
18		80sShuffle
19	Blues	MedBlues
20		SlowBlues
21	Hip Hop	US HipHop
22		EuroHipHop
23	R&B	NewR&B
24		ModernSoul
25	Dance	ClubDance
26		ClubLatin
27	Pop	UK SoulPop
28		CountryPop
29		BritPop
30		6/8Pop
31		Disco
32		SlowPopRck
33	Ballad	ModernBld
34		6/8Ballad
35		PowerBld
36	Rock'n'Roll	RocknRoll
37	Jazz	JazzSwing
38		FastSwing
39		AfroCuban
40		JazzWaltz

No.	Genre	Name
41	Bossa Nova	Bossa
42	Fusion	US-Fusion
43		J-Fusion
44	Latin	LatinSamba
45		LatinSongo
46	Reggae	Reggae
47	Second Line	2ndLine
48	Pad Song	Funk C
49		Funk F
50		FunkBass
51		FunkOrgan
52		AltRock1
53		AltRock2
54		AltRock3
55		E-Funk C
56		E-Funk G
57		E-FunkSeq
58		E-FunkLead
59	Pad Song	Pops8Beat
60	-Percussion Loop	Pops16Beat
61		Dance16Bt
62		R&B
63		LatinPops
64		Cuban
65		Samba
66		African16
67		African6/8
68		IndyPops
69		Shaker8Bt
70		Shaker16Bt
71		Bongo16Bt
72		Conga8Beat
73		Conga16Bt
74		Tambourin8
75		Tambrn16-1
76		Tambrn16-2
77		Triangle
78		Claves2-3
79		Claves3-2
80		Agogo
81		Djembe16Bt
82		Tabla16Bt
83		Cajon16Bt
84	Pad Song	Filter
85	-Control	Pitch-Hi
86		Pitch-Lo
87		ChorusFx

# Effect Type List

Category	Category (Display)	Effect Type Name	Type(HEX)		Rev	Cho	Var	InsA/B	Mas
			MSB	LSB					
	—	NO EFFECT	00	00	0	0	0		
	—	THRU	00	00				0	
COMPRESSOR&EQ									
	C&E	COMPRESSOR	08	00			0	0	0
	C&E	CLASSIC COMPRESSOR	08	10			0	0	
	C&E	MULTI BAND COMP	08	20			0	0	0
	C&E	EQ	0D	00			0	0	
	C&E	HARMONIC ENHANCER	0D	10			0	0	
LO-FI									
	L-F	LO-FI	0B	00			0	0	0
	L-F	NOISY	0B	10			0	0	
	L-F	DIGITAL TURNTABLE	0B	20			0	0	
FLANGER&PHASER									
	F&P	FLANGER	04	00		0	0	0	
	F&P	CLASSIC FLANGER	04	10		0	0	0	
	F&P	TEMPO FLANGER	04	20		0	0	0	
	F&P	DYNAMIC FLANGER	04	30			0	0	
	F&P	PHASER MONO	05	00		0	0	0	
	F&P	PHASER STEREO	05	10		0	0	0	
	F&P	TEMPO PHASER	05	20		0	0	0	
	F&P	DYNAMIC PHASER	05	30			0	0	
DISTORTION									
	DST	AMP SIMULATOR 1	07	00			0	0	
	DST	AMP SIMULATOR 2	07	10			0	0	
	DST	COMP DISTORTION	07	20			0	0	
	DST	COMP DISTORTION DELAY	07	30			0	0	0
WAH									
	WAH	AUTO WAH	0A	00			0	0	
	WAH	TOUCH WAH	0A	10			0	0	
REVERB									
	REV	REV-X HALL	01	00	0				
	REV	R3 HALL	01	01	0				
	REV	SPX HALL	01	02	0		0	0	
	REV	REV-X ROOM	01	10	0				
	REV	R3 ROOM	01	11	0				
	REV	SPX ROOM	01	12	0		0	0	
	REV	R3 PLATE	01	20	0				
	REV	SPX STAGE	01	30	0		0	0	
	REV	SPACE SIMULATOR	01	40	0				
	REV	EARLY REFLECTION	0D	50		0	0	0	
CHORUS									
	CHO	G CHORUS	03	00		0	0	0	
	CHO	2 MODULATOR	03	10		0	0	0	
	CHO	SPX CHORUS	03	20		0	0	0	
	CHO	SYMPHONIC	03	30		0	0	0	
	CHO	ENSEMBLE DETUNE	03	40		0	0	0	
TREMOLO&ROTARY									
	T&R	AUTO PAN	06	00			0	0	
	T&R	TREMOLO	06	10			0	0	
	T&R	ROTARY SPEAKER	06	20			0	0	
DELAY									
	DLY	CROSS DELAY	02	00		0	0	0	
	DLY	TEMPO CROSS DELAY	02	10		0	0	0	
	DLY	TEMPO DELAY MONO	02	20		0	0	0	
	DLY	TEMPO DELAY STEREO	02	28		0	0	0	
	DLY	CONTROL DELAY	02	30			0	0	
	DLY	DELAY LR	02	40		0	0	0	
	DLY	DELAY LCR	02	50		0	0	0	
	DLY	DELAY LR (Stereo)	02	48		0	0	0	0
TECH									
	TEC	RING MODULATOR	0C	00			0	0	0
	TEC	DYNAMIC RING MODULATOR	0C	10			0	0	
	TEC	DYNAMIC FILTER	0C	20			0	0	0
	TEC	AUTO SYNTH	0C	30			0	0	
	TEC	ISOLATOR	0C	40			0	0	0
	TEC	SLICE	0C	50			0	0	0
	TEC	TECH MODULATION	0C	60			0	0	
MISC									
	MSC	TALKING MODULATOR	0D	20			0	0	
	MSC	PITCH CHANGE	0D	40			0	0	

# Effect Preset List

Category	Type	Preset	
Compressor&EQ	Compressor	Basic	
		Comp Sustainer	
		60s DrumKit	
		Natural Kick	
		Old Piano	
		Valve Tone Bass	
		Hard Basic	
		Fast Atk + Boost	
		Soft Atk + Boost	
		Attack & Tight	
		Hard Atk + Boost	
		Vocal Comp 117x	
		Unplugged	
		Attack Comp	
		Punchy Master	
		Pinched	
		Classic Compressor	Basic
	Attack		
	For Vintage Keys		
	Pack Comp		
	Gate		
	Tight Pop Rhythm		
	Cutting Comp		
	Basic Bass		
	Old Record Piano		
	Multi Band Comp		Basic
		Maximizer	
		Wild	
		Attacky	
		Hard	
	EQ	Hip Club	
		Flat	
		Radio Speaker	
	Harmonic Enhancer	Dance Bd & Sn	
		Edge	
	Lo-Fi	Lo-Fi	Lo-Fi
			Old Phone
			Overload
			Max Lo-Fi
		Noisy	Noisy
			Tremolo Noise
Fuzz Noise			
Digital Turntable		Old Record1	
		Old Record2	
		Short Wave Radio	
Flanger&Phaser		Flanger	Basic
			Deep Mod1
			Deep Mod2
			Mad Mod
	Classic Flanger	Basic	
		Flange Chorus	
		Psychedelic	
		Jet	
	Tempo Flanger	Deep Mod	
		Flange Chorus	
		Metalic	
		Psychedelic	
		Jet	
	Dynamic Flanger	Follow	
		Reverse	
		Distorted	
		Sync	

Category	Type	Preset	
Flanger&Phaser	Phaser Mono	Orange90	
		Two Phase	
		Deep Six	
		Deep Eight	
		Lite Eight	
		Deep Sweeper	
		Orange100	
		Red Twelve	
		Blue Sixteen	
		Vibrato1	
	Phaser Stereo	Vibrato2	
		Vibrato3	
		Ambience1	
		Ambience2	
		Deep Sweeper	
		Deep Six	
		Deep Eight	
		Vibrato1	
		Vibrato2	
		Vibrato3	
Tempo Phaser	Ambience1		
	Ambience2		
	Basic		
Dynamic Phaser	Deep Phase		
	Follow		
Distortion	Amp Simulator1	Reverse	
		Light	
		Stack1	
		Stack2	
		Twin Boost	
		Old Amp	
		Transistor	
		Modern	
		US-Clean	
		J-Clean	
	Amp Simulator2	Fuzz	
		Small Blues	
		Buzzy Bottom	
		Beat Crunch	
		Beat Drive	
		Stack1	
		Stack2	
		Combo	
		Crunch	
		Hi Gain	
Comp Distortion	British		
	Tube Drive		
	Tube Clean		
	Basic		
	Booster		
	School Boy		
	Detroit		
	Long Lead		
	80s Clean		
	Comp Distortion Delay	Hard1	
Hard2			
Grunge			
Voodoo			
Texas			
Rockabilly			
LA Session			
Thin Techno			
Wah		Auto Wah	Low
			High
	Touch Wah	Follow	
		Hi Q	
		Reverse	

Category	Type	Preset	
Reverb	Rev-X Hall	Basic	
		Large Hall	
		Small Hall	
		Church	
		Bright Hall	
	R3 Hall	Basic	
		Big Hall	
		Backstage	
		Ballad	
		Light	
	SPX Hall	Basic	
		Big Hall	
		Backstage	
		Light	
		Gymnasium	
	Rev-X Room	Basic	
		Basement	
		Garage	
		Studio	
	R3 Room	Basic	
		Open	
		Wide	
		Tight	
	SPX Room	Basic	
		Open	
		Wide	
		Tight	
	R3 Plate	Basic	
		Bright Vocal	
		Smooth Vocal	
		Short Bright	
		Metal Splash	
	SPX Stage	Basic	
		Small	
		Big	
	Space Simulator	Tunnel	
		Basement	
		Canyon	
		White Room	
		Small Room	
		Live Room	
		3 Walls	
	Early Reflection	Close	
		Far	
		Reverse	
		Gate	
		70s Gate	
	Chorus	G Chorus	Basic
			Fast
			Deep
Mist			
Bright			
2 Modulator		Basic	
		Fast	
		Deep	
		Mist	
		Multi	
		Panning Mod	
		Vibration	
		Wonder	
		Shimmer	
		SPX Chorus	Basic
Fast			
Deep			
Slow			
Flangy			
Symphonic		Basic	
		Fast	
		Deep	
		Slow	
Ensemble Detune		Basic	
		Soft Wide	
	Deep Wide		
	Stereo Sim		

Category	Type	Preset	
Tremolo&Rotary	Auto Pan	Smooth	
		Oval	
		Right Turn	
		Super Slow	
		Fast	
	Tremolo	Slow	
		Super Fast	
		Stereo Vibrato	
		Spring	
		Relax	
	Rotary Speaker	Basic	
		Horn Mic	
		Light	
		Heavy Rotor	
		Fast First	
Delay	Cross Delay	Basic	
		Short	
		Long	
		Very Long	
		4beat Echo	
	Tempo Cross Delay	Dotted 8th Echo	
		8beat Echo	
		Triplet Echo	
		2beat Echo	
		4beat Echo	
	Tempo Delay Mono	Mono Out 4beat	
		Dotted 8th Echo	
		8beat Echo	
		Mono Out Dot8	
		Mono Out 8beat	
		Triplet Echo	
		Triplet Mono	
		Analog Delay	
		Tempo Delay Stereo	4beat Echo
			Dotted 8th Echo
	8beat Echo		
	Control Delay	Triplet Echo	
		Basic	
	Delay LR	Basic	
		Mono	
Doubling			
Short			
Fast			
Long			
Very Long			
Analog Delay			
Ping Pong			
Bounce			
Delay LCR	Bounce		
	Analog Delay		
Delay LR (Stereo)	Basic		
	Doubling		
	Short		
	Fast		
	Long		
	Very Long		
	Analog Delay		

**Effect Preset List**

Category	Type	Preset
Tech	Ring Modulator	Basic
		Slow
		Tremolo
		Crazy
	Dynamic Ring Modulator	Basic
		Metallic
		Sputter
	Dynamic Filter	Sharp Edge
		Basic
		HiPass
		LoPass
	Auto Synth	Squish
		Echo
		Space Walking
	Isolator	Roboto Delay
		Mid Only
		Near
	Slice	Flat
		Slice Beat
		8th Pan
16th Mute		
Tech Modulation	Rock	
	Star Train	
	Numerator	
	Active Dist	
	Astonish	
Misc	Talking Modulator	Armor
	Pitch Change	Basic
		Detune
		Oct Echo
		Octaver
		Plus 4th
		Minus 4th
		Oval
		Step Up
		Step Down

# Effect Parameter List

## Reverb Block

### [0] No Effect

When this type is selected, no parameters are available.

### [1] REV-X HALL

### [4] REV-X ROOM

No.	Parameter	Range
1	Reverb Time	0.3s – 18.0s (REV-X HALL) 0.3s – 10.0s (REV-X ROOM)
2	Diffusion	0 – 10
3	Initial Delay	0.1ms – 200.0ms
4	HPF Cutoff Frequency	20Hz – 8.0kHz
5	LPF Cutoff Frequency	1.0kHz – 20.0kHz
6	Room Size	0 – 31
7	High Ratio	0.1 – 1.0
8	Low Ratio	0.1 – 1.4
9	Decay	0 – 63
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

### [2] R3 HALL

### [3] SPX HALL

### [5] R3 ROOM

### [6] SPX ROOM

### [7] R3 PLATE

### [8] SPX STAGE

No.	Parameter	Range
1	Reverb Time	0.3s – 30.0s
2	Diffusion	0 – 10
3	Initial Delay	0.1ms – 200.0ms
4	HPF Cutoff Frequency	20Hz – 8.0kHz
5	LPF Cutoff Frequency	1.0kHz – 20.0kHz
6	—	
7	—	
8	—	
9	—	
10	—	
11	Reverb Delay	0.1ms – 200.0ms
12	Density	0 – 4
13	ER/Rev Balance	E63>R – E=R – E<R63
14	Feedback High Damp	0.1 – 1.0
15	Feedback Level	-63 – +63
16	—	

### [9] SPACE SIMULATOR

No.	Parameter	Range
1	Reverb Time	0.3s – 30.0s
2	Diffusion	0 – 10
3	Initial Delay	0.1ms – 200.0ms
4	HPF Cutoff Frequency	20Hz – 8.0kHz
5	LPF Cutoff Frequency	1.0kHz – 20.0kHz
6	Width	0.5m – 30.2m
7	Height	0.5m – 30.2m
8	Depth	0.5m – 30.2m
9	Wall Vary	0 – 30
10	---	
11	Reverb Delay	0.1ms – 200.0ms
12	Density	0 – 4
13	ER/Rev Balance	E63>R – E=R – E<R63
14	Feedback High Damp	0.1 – 1.0
15	Feedback Level	-63 – +63
16	Space Type	0 – 1

## Chorus, Variation, Insertion Block

The Dry/Wet (Mix) parameter is available only for the Insertion Block.

### [0] THRU/No Effect

When this type is selected, no parameters are available.

## Category - REVERB

### [1] SPX HALL

### [2] SPX ROOM

### [3] SPX STAGE

No.	Parameter	Range
1	Reverb Time	0.3s – 30.0s
2	Diffusion	0 – 10
3	Initial Delay	0.1ms – 99.3ms
4	HPF Cutoff Frequency	20Hz – 8.0kHz
5	LPF Cutoff Frequency	1.0kHz – 20.0kHz
6	—	
7	—	
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Reverb Delay	0.1ms – 99.3ms
12	Density	0 – 4
13	ER/Rev Balance	E63>R – E=R – E<R63
14	Feedback High Damp	0.1 – 1.0
15	Feedback Level	-63 – +63
16	—	

### [4] EARLY REFLECTION

No.	Parameter	Range
1	Type	S-hall, L-hall, random, reverse, plate, spring
2	Room Size	0.1 – 20.0
3	Diffusion	0 – 10
4	Initial Delay	0.1ms – 200.0ms
5	Feedback Level	-63 – +63
6	HPF Cutoff Frequency	20Hz – 8.0kHz
7	LPF Cutoff Frequency	1.0kHz – 20.0kHz
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Liveness	0 – 10
12	Density	0 – 3
13	Feedback High Damp	0.1 – 1.0
14	—	
15	—	
16	—	

## Category - DELAY

### [1] CROSS DELAY

No.	Parameter	Range
1	Delay Time L>R	0.1ms – 1638.3ms
2	Delay Time R>L	0.1ms – 1638.3ms
3	Feedback Level	-63 – +63
4	Input Select	L, R, L&R
5	Feedback High Damp	0.1 – 1.0
6	—	
7	—	
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	
13	EQ Low Frequency	32Hz – 2.0kHz
14	EQ Low Gain	-12dB – +12dB
15	EQ High Frequency	500Hz – 16.0kHz
16	EQ High Gain	-12dB – +12dB

## Effect Parameter List

### [2] TEMPO CROSS DELAY

No.	Parameter	Range
1	Delay Time L>R	32nd/3 – 4thx6
2	Delay Time R>L	32nd/3 – 4thx6
3	Feedback Level	-63 – 63
4	Input Select	L, R, L&R
5	Feedback High Damp	0.1 – 1.0
6	Lag	-63ms – +63ms
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [6] DELAY L, R

No.	Parameter	Range
1	Delay Time L	0.1ms – 1638.3ms
2	Delay Time R	0.1ms – 1638.3ms
3	Feedback Time 1	0.1ms – 1638.3ms
4	Feedback Time 2	0.1ms – 1638.3ms
5	Feedback Level	-63 – +63
6	Feedback High Damp	0.1 – 1.0
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [3] TEMPO DELAY MONO

No.	Parameter	Range
1	Delay Time	32nd/3 – 4thx6
2	Feedback Level	-63 – +63
3	Feedback High Damp	0.1 – 1.0
4	L/R Diffusion	-63ms – +63ms
5	Lag	-63ms – +63ms
6	—	—
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [7] DELAY L, C, R

No.	Parameter	Range
1	Delay Time L	0.1ms – 1638.3ms
2	Delay Time R	0.1ms – 1638.3ms
3	Delay Time C	0.1ms – 1638.3ms
4	Feedback Time	0.1ms – 1638.3ms
5	Feedback Level	-63 – +63
6	Delay Level C	0 – 127
7	Feedback High Damp	0.1 – 1.0
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [4] TEMPO DELAY STEREO

No.	Parameter	Range
1	Delay Time	32nd/3 – 4thx6
2	Feedback Level	-63 – +63
3	Feedback High Damp	0.1 – 1.0
4	L/R Diffusion	-63ms – +63ms
5	Lag	-63ms – +63ms
6	—	—
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [8] DELAY L, R (STEREO)

No.	Parameter	Range
1	Delay Time L	0.1ms – 1638.3ms
2	Delay Time R	0.1ms – 1638.3ms
3	Feedback Time L	0.1ms – 1638.3ms
4	Feedback Time R	0.1ms – 1638.3ms
5	Feedback Level	-63 – +63
6	Feedback High Damp	0.1 – 1.0
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

### [5] CONTROL DELAY

No.	Parameter	Range
1	Delay Time	0.1ms – 1486.0ms
2	Delay Transition Rate	1 – 48
3	Feedback Level	-63 – +63
4	Feedback High Damp	0.1 – 1.0
5	—	—
6 – 9	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Control Type	normal, scratch
12	—	—
13	—	—
14	—	—
15	—	—
16	—	—

## Category - CHORUS

### [1] G CHORUS

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	—	—
3	PM Depth	0 – 127
4	Feedback Level	-63 – +63
5	Delay Offset	0.0ms – 50.0ms
6 – 9	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	—	—
15	Input Mode	mono/stereo
16	—	—



**[2] 2 MODULATOR**

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	AM Depth	0 – 127
3	PM Depth	0 – 127
4	Feedback Level	-63 – +63
5	Delay Offset	0.0ms – 50.0ms
6 – 9	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	—	—
15	Input Mode	mono/stereo
16	—	—

**[3] SPX CHORUS**

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	LFO Depth	0 – 127
3	Feedback Level	-63 – +63
4	Delay Offset	0.0ms – 50.0ms
5	—	—
6 – 9	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	—	—
15	Input Mode	mono/stereo
16	—	—

**[4] SYMPHONIC**

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	LFO Depth	0 – 127
3	Delay Offset	0.0ms – 50.0ms
4	—	—
5	—	—
6 – 9	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	—	—
15	—	—
16	—	—

**[5] ENSEMBLE DETUNE**

No.	Parameter	Range
1	Detune	-50cent – +50cent
2	Initial Delay Lch	0.0ms – 50.0ms
3	Initial Delay Rch	0.0ms – 50.0ms
4	Spread	0 – 63
5	—	—
6	—	—
7	—	—
8	—	—
9	—	—
10	Dry/Wet Balance	D63>W – D=W – D<W63
11 – 14	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
15	—	—
16	—	—

**Category - FLANGER & PHASER****[1] FLANGER**

No.	Parameter	Range
1	Speed	0.04Hz – 10.0Hz
2	Manual	0 – 127
3	Depth	0 – 127
4	Feedback	0 – 127
5	Type	1 – 3
6	Spread	0 – 127
7	Mix	0 – 127
8	—	—
9	—	—
10	—	—
11	—	—
12	—	—
13	—	—
14	—	—
15	—	—
16	—	—

**[2] CLASSIC FLANGER**

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	LFO Depth	0 – 127
3	LFO Wave	Triangle, Sine, Random
4	Delay Offset	0.09ms – 36.21ms
5	Feedback Level	-100 – +100%
6 – 9	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	Modulation Phase	-180 – +180
15	Feedback High Damp	0.1 – 1.0
16	Analog Feel	0 – 10

**[3] TEMPO FLANGER**

No.	Parameter	Range
1	LFO Speed	16th – 4thx16
2	LFO Depth	0 – 127
3	Feedback Level	-63 – +63
4	Delay Offset	0.0ms – 50.0ms
5	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset
6 – 9	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	LFO Phase difference	-180deg – +180deg
15	—	—
16	—	—

**[4] DYNAMIC FLANGER**

No.	Parameter	Range
1	Sensitivity	0 – 127
2	Delay Offset	0 – 127
3	Feedback Level	-63 – +63
4	Attack Time	0.3ms – 227ms
5	Release Time	2.6ms – 2171ms
6	Release Curve	0 – 127
7	Direction	up, down
8	Dyna Threshold Level	0 – 127
9	Dyna Level Offset	0 – 127
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	—
12	—	—
13 – 16	: Same as the parameters shaded in gray in CROSS DELAY on page 15.	

## Effect Parameter List

### [5] PHASER MONO

No.	Parameter	Range
1	Speed	0.1Hz – 10.0Hz
2	Manual	0 – 127
3	Depth	0 – 127
4	Feedback	0 – 127
5	Stage	4, 6, 8, 10, 12, 16
6	Mode	1, 2, 3
7	Color	0 – 127
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

The Color parameter is not available in the following conditions : When Mode is set to 1 and Stage is set to 4, 6, 8, 12 or 16 : or when Mode is set to 2 and Stage is set to 4 or 10.

### [6] PHASER STEREO

No.	Parameter	Range
1	Speed	0.1Hz – 10.0Hz
2	Manual	0 – 127
3	Depth	0 – 127
4	Feedback	0 – 127
5	Stage	4, 6, 8, 10
6	Mode	1, 2
7	Color	0 – 127
8	Spread	0 – 127
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

The Color parameter is not available in the following conditions : When Mode is set to 1 and Stage is set to 4, 6 or 8 : or when Mode is set to 2 and Stage is set to 4 or 10.

### [7] TEMPO PHASER

No.	Parameter	Range
1	LFO Speed	16th – 4thx16
2	LFO Depth	0 – 127
3	Phase Shift Offset	0 – 127
4	Feedback Level	-63 – +63
5	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset
6 – 9	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Stage	4 – 22
12	Diffusion	mono/stereo
13	—	
14	—	
15	—	
16	—	

### [8] DYNAMIC PHASER

No.	Parameter	Range
1	Sensitivity	0 – 127
2	Dyna Level Offset	0 – 127
3	Feedback Level	-63 – +63
4	Attack Time	0.3ms – 227ms
5	Release Time	2.6ms – 2171ms
6	Release Curve	0 – 127
7	Direction	up, down
8	Dyna Threshold Level	0 – 127
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Stage	4, 5, 6
12	—	

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

## Category - TREMOLO&ROTARY

### [1] AUTO PAN

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	L/R Depth	0 – 127
3	F/R Depth	0 – 127
4	Pan Direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R
5	LFO Wave	0 – 28
6 – 9	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	—	
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	—	
15	Input Mode	mono/stereo
16	—	

### [2] TREMOLO

No.	Parameter	Range
1	LFO Speed	0.0Hz – 39.7Hz
2	AM Depth	0 – 127
3	PM Depth	0 – 127
4	—	
5	—	
6 – 9	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
10	—	
11	EQ Mid Frequency	100Hz – 10.0kHz
12	EQ Mid Gain	-12dB – +12dB
13	EQ Mid Width	0.1 – 12.0
14	LFO Phase Difference	-180deg – +180deg
15	Input Mode	mono/stereo
16	—	

### [3] ROTARY SPEAKER

No.	Parameter	Range
1	Rotor Speed Slow	0.0Hz – 2.65Hz
2	Horn Speed Slow	0.0Hz – 2.65Hz
3	Rotor Speed Fast	2.69Hz – 39.7Hz
4	Horn Speed Fast	2.69Hz – 39.7Hz
5	Slow-Fast Time of Rotor	0 – 127
6	Slow-Fast Time of Horn	0 – 127
7	Drive Rotor	0 – 127
8	Drive Horn	0 – 127
9	Rotor/Horn Balance	L63>H – L=H – L<H63
10	—	
11 – 14	Same as the parameters shaded in gray in CROSS DELAY on page 15.	
15	Mic L-R Angle	0deg – 180deg
16	Speed Control	Slow, Fast

**Category - DISTORTION****[1] AMP SIMULATOR 1**

No.	Parameter	Range
1	Overdrive	0 – 100%
2	Device	Transistor, Vintage Tube, Distortion 1, Distortion 2, Fuzz
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone
4	Presence	-10 – +10
5	Output Level	0 – 100%
6	—	
7	—	
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

**[2] AMP SIMULATOR 2**

No.	Parameter	Range
1	Overdrive	0 – 127
2	AMP Type	off, Stack, Combo, Tube, Crunch, Hi Gain, British
3	LPF Cutoff Frequency	1.0kHz – 20.0kHz
4	Output Level	0 – 127
5	—	
6	—	
7	—	
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

**[3] COMP DISTORTION**

No.	Parameter	Range
1	Overdrive	0 – 127
2	EQ Low Frequency	32Hz – 2.0kHz
3	EQ Low Gain	-12dB – +12dB
4	LPF Cutoff Frequency	1.0kHz – 20.0kHz
5	Output Level	0 – 127
6	—	
7	EQ Mid Frequency	100Hz – 10.0kHz
8	EQ Mid Gain	-12dB – +12dB
9	EQ Mid Width	0.1 – 12.0
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Edge	0 – 127
12	Attack	1ms – 40ms
13	Release	10ms – 680ms
14	Threshold	-48dB – -6dB
15	Ratio	1.0 – 20.0
16	—	

**[4] COMP DISTORTION DELAY**

No.	Parameter	Range
1	Overdrive	0 – 100%
2	Device	Transistor, Vintage Tube, Distortion 1, Distortion 2, Fuzz
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone
4	Presence	-10 – +10
5	Output Level	0 – 100%
6	Delay Time L	0.1ms – 1638.3ms
7	Delay Time R	0.1ms – 1638.3ms
8	Feedback Time	0.1ms – 1638.3ms
9	Feedback Level	-63 – +63
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Delay Mix	0 – 127
12	Feedback High Damp	0.1 – 1.0
13	Compress	-48dB – -6dB
14	—	
15	—	
16	—	

**Category - COMPRESSOR & EQ****[1] COMPRESSOR**

No.	Parameter	Range
1	Input Level	--dB – 0.0dB
2	Output Level	--dB – 0.0dB
3	Ratio	2, 4, 8, 12, 20
4	Attack	0.022ms – 50.4ms
5	Release	10.88ms – 544.22ms
6	—	
7	—	
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

**[2] CLASSIC COMPRESSOR**

No.	Parameter	Range
1	Attack	1ms – 40ms
2	Release	10ms – 680ms
3	Threshold	-48dB – -6dB
4	Ratio	1.0 – 20.0
5	Output Level	0 – 127
6	—	
7	—	
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

**[3] MULTI BAND COMP**

No.	Parameter	Range
1	Low Attack	1ms – 200ms
2	Low Threshold	-54dB – -6dB
3	Low Ratio	1.0 – 20.0
4	Low Gain	--dB – +18dB
5	Mid Attack	1ms – 200ms
6	Mid Threshold	-54dB – -6dB
7	Mid Ratio	1.0 – 20.0
8	Mid Gain	--dB – +18dB
9	High Attack	1ms – 200ms
10	High Threshold	-54dB – -6dB
11	High Ratio	1.0 – 20.0
12	High Gain	--dB – +18dB
13	Divide Freq Low	16Hz – 20kHz
14	Divide Freq High	16Hz – 20kHz
15	Common Release	10ms – 3000ms
16	—	

**[4] EQ**

No.	Parameter	Range
1	EQ1(LSH) Frequency	31.5Hz – 2.0kHz
2	EQ1(LSH) Gain	-12.0dB – +12.0dB
3	EQ2 Q	0.5 – 16.0
4	EQ2 Frequency	50.0 Hz – 20.0kHz
5	EQ2 Gain	-18.0dB – +18.0dB
6	EQ3 Q	0.5 – 16.0
7	EQ3 Frequency	50.0Hz – 20.0kHz
8	EQ3 Gain	-18.0dB – +18.0dB
9	EQ4 Q	0.5 – 16.0
10	EQ4 Frequency	50.0Hz – 20.0kHz
11	EQ4 Gain	-18.0dB – +18.0dB
12	EQ5(HSH) Frequency	500Hz – 20.0kHz
13	EQ5(HSH) Gain	-12.0dB – +12.0dB
14	Output Level	-12.0dB – +12.0dB
15	—	
16	—	

**[5] HARMONIC ENHANCER**

No.	Parameter	Range
1	HPF Cutoff Frequency	500Hz – 16.0kHz
2	Drive	0 – 127
3	Mix Level	0 – 127
4	—	
5	—	
6	—	
7	—	
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

**Category - WAH**

**[1] AUTO WAH**

No.	Parameter	Range
1	Speed	0.1Hz – 20.0Hz
2	Bottom	0 – 127
3	Top	0 – 127
4	Resonance Offset	-12.0 – +12.0
5	LFO Wave	Sin, Trp
6	Type	High, Mid, Low, Bass
7	Overdrive	0.0dB – +40.0dB
8	Output	-20.0dB – +10.0dB
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

When the Value of Bottom is greater than Top, the sound will not be modulated and only the Bottom Value is available.

**[2] TOUCH WAH**

No.	Parameter	Range
1	Sensitivity	0 – 127
2	Bottom	0 – 127
3	Top	0 – 127
4	Resonance Offset	-12.0 – +12.0
5	Direction	up, down
6	Type	High, Mid, Low, Bass
7	Overdrive	0.0dB – +40.0dB
8	Output	-20.0dB – +10.0dB
9	—	
10	—	
11	Attack Offset	-5 – +5
12	—	
13	—	
14	—	
15	—	
16	—	

When the Value of Bottom is greater than Top, the sound will not be modulated and only the Bottom Value is available.

**Category - Lo-Fi**

**[1] LO-FI**

No.	Parameter	Range
1	Sampling Freq. Control	44.1kHz – 344.5Hz
2	Word Length	1 – 127
3	Output Gain	-6dB – +36dB
4	Pre-LPF Cutoff Frequency	63Hz – 20.0kHz
5	Filter Type	thru, PowerBass, Radio, Telephone, Clean, Low
6	Pre-LPF Resonance	1.0 – 12.0
7	Bit Assign	0 – 6
8	Emphasis	off/on
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	
13	—	
14	—	
15	Input Mode	mono/stereo
16	—	

[2] NOISY

No.	Parameter	Range
1	Mod Depth	0 – 10
2	Mod Speed	0 – 127
3	Mod Feedback	-63 – +63
4	Mod Mix Balance	1 – 127
5	Drive	0 – 127
6	AM Speed	0.0Hz – 39.7Hz
7	AM Depth	0 – 127
8	LPF Cutoff Frequency	1.0kHz – 20.0kHz
9	LPF Resonance	1.0 – 12.0
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	EQ Frequency	100Hz – 10.0kHz
12	EQ Gain	-12dB – +12dB
13	EQ Width	1.0 – 12.0
14	—	
15	—	
16	—	

[3] DIGITAL TURNTABLE

No.	Parameter	Range
1	Click Density	0 – 5
2	Click Level	0 – 127
3	Noise Tone	0 – 6
4	Noise Mod Speed	0.0Hz – 39.7Hz
5	Noise Mod Depth	0 – 127
6	Dry Send to Noise	0 – 127
7	Noise LPF Cutoff Frequency	1.0kHz – 20.0kHz
8	Noise LPF Q	1.0 – 12.0
9	Noise Level	0 – 127
10	—	
11	Dry Level	0 – 127
12	Dry LPF Cutoff Frequency	1.0kHz – 20.0kHz
13	—	
14	—	
15	—	
16	—	

Category - TEC

[1] RING MODULATOR

No.	Parameter	Range
1	OSC Frequency Coarse	0.5Hz – 5.0kHz
2	OSC Frequency Fine	0 – 127
3	LFO Wave	tri, sine
4	LFO Depth	0 – 127
5	LFO Speed	0.0Hz – 39.7Hz
6	HPF Cutoff Frequency	20Hz – 8.0kHz
7	LPF Cutoff Frequency	1.0kHz – 20.0kHz
8	—	
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

[2] DYNAMIC RING MODULATOR

No.	Parameter	Range
1	Sensitivity	0 – 127
2	HPF Cutoff Frequency	20Hz – 8.0kHz
3	LPF Cutoff Frequency	1.0kHz – 20.0kHz
4	Attack Time	0.3ms – 227ms
5	Release Time	2.6ms – 2171ms
6	Release Curve	0 – 127
7	Direction	up, down
8	Dyna Threshold Level	0 – 127
9	Dyna Level Offset	0 – 127
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	---	
12	---	

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

[3] DYNAMIC FILTER

No.	Parameter	Range
1	Filter Type	LPF(12dB), LPF(18dB), LPF(24dB), HPF, BPF, BEF
2	Sensitivity	0 – 127
3	Dyna Level Offset	0 – 127
4	Resonance	-16 – +111
5	Attack Time	0.3ms – 227ms
6	Release Time	2.6ms – 2171ms
7	Release Curve	0 – 127
8	Direction	up, down
9	Dyna Threshold Level	0 – 127
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

[4] AUTO SYNTH

No.	Parameter	Range
1	Mod Speed	0 – 127
2	Mod Wave Type	TypeA, TypeB, TypeC, TypeD
3	Mod Depth	0 – 127
4	Mod Depth Ofst R	-63 – +63
5	HPF Cutoff Frequency	20Hz – 8.0kHz
6	LPF Cutoff Frequency	1.0kHz – 20.0kHz
7	Delay Time	0.1ms – 370.0ms
8	Delay Time Ofst R	0 – 884
9	Delay Level	0 – 127
10	Dry Mix Level	0 – 127
11	Feedback Level	-63 – +63
12	FB Level Ofst R	-63 – +63
13	AM Speed	0.0Hz – 39.7Hz
14	AM Wave	tri, sine, saw up, saw down
15	AM Depth	0 – 127
16	AM Inverse R	normal, inverse

[5] ISOLATOR

No.	Parameter	Range
1	On/off Switch	off/on
2	Low Level	-64 – +63
3	Mid Level	-64 – +63
4	High Level	-64 – +63
5	Low Mute	off/on
6	Mid Mute	off/on
7	High Mute	off/on
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

[6] SLICE

No.	Parameter	Range
1	Divide Type	16th – 4th
2	Gate Time	0 – 100%
3	Pan AEG Type	A – E
4	Pan AEG Min Level	0 – 127
5	Pan Depth	-63 – +63
6	Divide Min Level	0 – 127
7	Pan Type	A – J
8	Drive	0 – 127
9	AEG Phase	0 – 15 (x16th note)
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	—	
12	—	

13 – 16 : Same as the parameters shaded in gray in CROSS DELAY on page 15.

## Effect Parameter List

### [7]TECH MODULATION

No.	Parameter	Range
1	Mod Speed	0 – 127
2	Mod Depth	0 – 127
3	Mod Gain	-12dB – +12dB
4	Mod Mix Balance	D63>W – D=W – D<W63
5	Pre Mod HPF Cutoff Frequency	20Hz – 8.0kHz
6	Mod LPF Cutoff Frequency	1.0kHz – 20.0kHz
7	Mod LPF Resonance	1.0 – 12.0
8	Delay Time	0.1ms – 740.0ms
9	Delay Time Ofst R	0 – 884
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Feedback Level	-63 – +63
12	FB Level Ofst R	-63 – +63
13	Feedback High Damp	0.1 – 1.0
14	FB Hi Damp Ofst R	-0.9 – +0.9
15	—	
16	—	

### Category - MISC

#### [1] TALKING MODULATOR

No.	Parameter	Range
1	Vowel	a, i, u, e, o
2	Move Speed	1 – 62
3	Drive	0 – 127
4	Output Level	0 – 127
5	—	
6	—	
7	—	
8	—	
9	—	
10	—	
11	—	
12	—	
13	—	
14	—	
15	—	
16	—	

#### [2] PITCH CHANGE

No.	Parameter	Range
1	Pitch 1	-24 – +24
2	Fine 1	-50 – +50
3	Initial Delay 1	0.1ms – 400.0ms
4	Feedback Level 1	-63 – +63
5	Pitch 2	-24 – +24
6	Fine 2	-50 – +50
7	Initial Delay 2	0.1ms – 400.0ms
8	Feedback Level 2	-63 – +63
9	—	
10	Dry/Wet Balance	D63>W – D=W – D<W63
11	Pan 1	L63 – C – R63
12	Output Level1	0 – 127
13	Pan 2	L63 – C – R63
14	Output Level2	0 – 127
15	—	
16	—	

## Master Effect Block

THRU type is not included in the Master Effect Block. If you wish to bypass this block, turn the [UTILITY] - [EFFECT] - [MEF] Switch off.

### COMPRESSOR

#### MULTI BAND COMP

#### LO-FI

#### COMP DISTORTION DELAY

#### DELAY L, R (STEREO)

#### RING MODULATOR

#### DYNAMIC FILTER

#### ISOLATOR

#### SLICE

## Master EQ Block

### [0] MEQ

No.	Parameter	Range
1	EQ1 Gain	-12dB – +12dB
2	EQ1 Frequency	32Hz – 2.0kHz
3	EQ1 Q	0.1 – 12.0
4	EQ1 Shape	shelving, peaking
5	EQ2 Gain	-12dB – +12dB
6	EQ2 Frequency	100Hz – 10kHz
7	EQ2 Q	0.1 – 12.0
8	—	
9	EQ3 Gain	-12dB – +12dB
10	EQ3 Frequency	100Hz – 10kHz
11	EQ3 Q	0.1 – 12.0
12	—	
13	EQ4 Gain	-12dB – +12dB
14	EQ4 Frequency	100Hz – 10kHz
15	EQ4 Q	0.1 – 12.0
16	—	
17	EQ5 Gain	-12dB – +12dB
18	EQ5 Frequency	500Hz – 16kHz
19	EQ5 Q	0.1 – 12.0
20	EQ5 Shape	shelving, peaking

When the EQ Shape1 is set to Peaking, the range EQ Frequency 1 is 63Hz - 2.0kHz(10 - 40).

# MIDI Data Format

## 1. General

### 1.1 Coverage

The specifications described herein specify transmission and reception of MIDI data of the DTXTREME III.

### 1.2 Compliance

The specifications described herein comply to the following standards:

- MIDI 1.0

### 1.3 Legend

Indications for the following specifications are:

- Hexadecimal numbers are prefaced with a dollar sign (\$).
- \$nn indicates that there are multiple values.

## 2. Channel Messages

Channel messages on MIDI channel 10 are not received when the Receive10ch parameter in the Utility mode is set to off.

### 2.1 Key On or Key Off

Can be transmitted/received.

Note range to be received: 0 (C-2) - 127 (G8)

Velocity range: 1 to 127 (note on only)

### 2.2 Control Change

The internal sequencer can record or play all kinds of control change messages, since the DTXTREME III can both transmit and receive those messages.

The internal tone generator and drum trigger function are described below.

#### 2.2.1 Bank select MSB, LSB - 0, 32

Can be transmitted/received.

Operations on bank select will be suspended until the DTXTREME III receives a program change message that follows the bank select data.

MSB=0 LSB=any value: GM normal voice

MSB=63 LSB=any value: normal voice

MSB=127 LSB=any value: GM drum voice (See Note 1.)

MSB=125 LSB=0: drum voice, preset kit1 (See Note 2.)

MSB=125 LSB=1: drum voice, user kit (See Note 2.)

MSB=125 LSB=2...17: drum voice, memory kit ext-a...ext-p (See Note 2.)

\* Note 1: GM drum voice

Only program number 1 will be received and the corresponding GM preset drum kit will be selected.

\* Note 2: drum voice, pre/user/memory kit

The same drum kit number as the program number will be selected.

It is possible to select a drum voice for any MIDI channel (except 10).

In this case, the drum map used for that voice is identical to that for MIDI channel 10.

#### 2.2.2 Modulation - 1

Reception only.

#### 2.2.3 Foot controller - 4

Supports both transmission and reception.

#### 2.2.4 Portamento time - 5

Reception only.

#### 2.2.5 Data entry - 6

Reception only. Used to specify RPN data.

#### 2.2.6 Main volume - 7

Can be transmitted/received.

#### 2.2.7 Pan - 10

Can be transmitted/received.

A value of "0" corresponds to the far left of a stereo image and "127" to the far right.

#### 2.2.8 Expression - 11

Reception only.

#### 2.2.9 EG sustain level - 31

Reception only.

#### 2.2.10 Hold 1- 64

Reception only.

#### 2.2.11 Portamento switch - 65

Reception only.

#### 2.2.12 Sostenuto - 66

Reception only.

#### 2.2.13 Harmonic content - 71

Reception only.

#### 2.2.14 EG release time - 72

Reception only.

#### 2.2.15 EG attack time - 73

Reception only.

#### 2.2.16 Brightness - 74

Reception only.

#### 2.2.17 EG decay time - 75

Reception only.

#### 2.2.18 Effect1 depth - 91

Can be transmitted/received. This is equivalent to the Reverb Send Level.

#### 2.2.19 Chorus depth - 93

Can be transmitted/received. This is equivalent to the Chorus Send Level.

#### 2.2.20 Data increment/decrement - 96/97

Reception only.

#### 2.2.21 RPN

\$00/\$00 Pitch bend sensitivity: Reception only.

\$00/\$01 Fine tuning: Reception only.

\$00/\$02 Coarse tuning: Reception only.

\$7f/\$7f NULL: Reception only.

#### 2.2.22 HH controller - 0...119

If the Function parameter of the HH CTRL in the Drum Kit mode is set to "MIDI," the Control Change specified at the MIDI Type parameter will be transmitted when the Hi-Hat Controller is pressed down.

#### 2.2.23 Drum kit transmit MIDI - 1...95

According to the MIDI settings in the Drum Kit mode, the Control Change message will be transmitted when the corresponding Drum Kit is selected.

## **2.3 Channel Mode Messages**

Reception only.

### **2.3.1 All sound off - 120**

Mutes all the sounds currently playing through the specified channel.

### **2.3.2 Reset all controllers - 121**

Sets the following controller values back to its initial value:  
Pitchbend, Modulation, Expression, Hold 1, Portamento control, RPN number

### **2.3.3 All note off - 123**

Mutes all notes through the specified channels currently playing.  
However, they will not be muted until Hold 1 or Sostenuto is turned off.

### **2.3.4 Omni off - 124**

Receiving this message is equivalent to receiving an All Notes Off message.

### **2.3.5 Omni on - 125**

Receiving this message is equivalent to receiving an All Notes Off message.

### **2.3.6 Mono - 126**

Receiving this message is equivalent to receiving an All Sound Off message.

### **2.3.7 Poly - 127**

Receiving this message is equivalent to receiving an All Sound Off message.

## **2.4 Program Change**

Can be transmitted/received.  
When the ReceivePC parameter is set to off in the Utility mode, the DTXTREME III will not receive Program Change messages.  
When the ReceivePC10ch parameter is set to off in the Utility mode, the DTXTREME III will not receive Program Change messages on MIDI channel 10.  
According to the MIDI settings in the Drum Kit mode, Program Change messages will be transmitted when the corresponding Drum Kit is selected.

## **2.5 Pitch Bend**

Can be transmitted/received.  
When the Function parameter is set to MIDI and the MIDI Type is set to PB up or PB down, pressing the Hi-Hat Controller transmits Pitch Bend messages.

## **2.6 Channel Aftertouch**

Transmission only.  
When the Function parameter is set to MIDI and the MIDI Type is set to AT, pressing the Hi-Hat Controller transmits Channel Aftertouch messages.

## **2.7 Polyphonic Aftertouch**

Cannot be transmitted and received.

## **3. System Exclusive Messages**

The DTXTREME III does not receive system exclusive messages that does not include the device number specified with the Device No. parameter in the Utility mode.

### **3.1 Universal non realtime messages**

#### **3.1.1 GM system ON**

\$FO \$7E \$7F \$09 \$01 \$F7  
Sets all the data except the MIDI master tuning data to its initial value.  
Can be transmitted/received.

#### **3.1.2 identify request**

\$FO \$7E \$0n \$06 \$01 \$F7

"n" represents the device number.  
After this message is received, the DTXTREME III transmits an Identify Reply message. Reception only.

#### **3.1.3 Identify reply**

\$FO \$7E \$7F \$06 \$02 \$43 \$00 \$41 \$3A \$06 \$00 \$00 \$00 \$7F \$F7

Transmission only.

## **3.2 Universal realtime message**

### **3.2.1 MIDI master volume**

\$FO \$7F \$7F \$04 \$01 \$XX \$mm \$F7

\$XX is dummy (ignored). \$mm is the volume data.  
Reception only.

## **3.3 parameter change**

### **3.3.1 XG system ON**

\$FO \$43 \$1n \$4C \$00 \$00 \$7E \$00 \$F7

"n" represents the device number.  
Receiving this message is equivalent to receiving a GM System On message.  
Reception only.

## **4. System Common Message**

### **4.1 Song Select**

\$f3 \$nn  
"nn" represents the song number.  
Reception only.

## **5. System Realtime Messages**

Can be transmitted/received.

### **5.1 Timing Clock**

When the MIDI Sync parameter in the Utility mode is set to MIDI, the DTXTREME III is synchronized with the Timing Clocks coming from the external MIDI device.

### **5.2 Start, Continue, Stop**

When the SeqCtrl parameter in the Utility mode is set to off, the DTXTREME III does not transmit or receive Start, Continue and Stop messages.

### **5.3 Active Sensing**

Reception: If an active sensing message is received and there is no subsequent MIDI data coming in for more than approximately 300 milliseconds, the DTXTREME III will mute all current sounds playing.

Transmission: The DTXTREME III transmits MIDI data including active sensing message every 300 milliseconds (approximately).



# MEMO

Function...	Transmitted	Recognized	Remarks
Basic Channel Default Changed	1 - 16 X	1 - 16 X	Memorized
Mode Default Messages Altered	X X *****	X X X	
Note Number : True voice	0 - 127 *****	0 - 127	
Velocity Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	O 9nH,v=1-127 X 9nH,v=0	
After Touch Key's Ch's	O O	O O	
Pitch Bend	O	O	
Control Change 0-121	O	O	
Prog Change : True #	O 0 - 127 *****	O 0 - 127	
System Exclusive	X	X	
Common : Song Pos. : Song Sel. : Tune	X X X	X O X	
System : Clock Real Time : Commands	O *1 O *3	O *2 O *3	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset	O O O O X X	O O O O X X	
Notes:	*1 if MIDI clock out is on. *2 if MIDI Sync is midi. *3 if Seq Control in/out is enabled.		

Mode 1 : OMNI ON , POLY  
 Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON , MONO  
 Mode 4 : OMNI OFF, MONO

O : Yes  
 X : No

Function...	Transmitted	Recognized	Remarks	
Basic Channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	Memorized
Mode	Default Messages Altered	3 X *****	1 1 - 4 (m=1) *2 X	Memorized
Note Number : True voice		0 - 127 *****	0 - 127 0 - 127	Transpose
Velocity	Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	O v=1-127 X	
After Touch	Key's Ch's	X O *3	X X	
Pitch Bend		O *3	O *1	
Control Change	0,32 4,7,10 1,6,11 16,17,31 64-66 71-75 91,93 96,97 100,101 0-119 1-95	O O X X X X O X X O *3 O *4	O O O O O O O O O X X	*1 *1 *1 *1 *1 *1 *1 *1 *1 Effect Depth RPN Inc/Dec RPN LSB,MSB
Prog Change : True #		O 0 - 127 *****	O 0 - 127 0 - 127	
System Exclusive		O	O	
Common : Song Pos. : Song Sel. : Tune		X X X	X X X	
System : Clock Real Time : Commands		X X	O X	
Aux : All Sound Off : Reset All Cntrls : Local ON/OFF Mes- : All Notes OFF sages: Active Sense : Reset		X X X X O X	O (120,126,127) O (121) X O (123-125) O X	
Notes:	*1 receive if switch is on. *2 m is always treated as "1" regardless of its value. *3 depend on HH Ctrl MIDI Type setting. *4 depend on Kit Other MIDI CC# setting.			

Mode 1 : OMNI ON , POLY  
 Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON ,MONO  
 Mode 4 : OMNI OFF,MONO

O : Yes  
 X : No



Yamaha Drums global web site:  
<http://www.global.yamaha.com/products/music/drums.html>

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<http://www.yamaha.co.jp/manual/english/>

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