

Drum Trigger Module

DTX-PRO

Data List

Contents

Sounds

Kit	2
Inst	4
Voice	11
Training Song.....	18

MIDI Reference Material

MIDI Data Format.....	19
MIDI Implementation Chart.....	22

Kit

No.	Kit name	Description
■ Showcase		
1	AbsoHybMaple	The sound of the Yamaha Absolute Hybrid Maple series. The perfect modern drum sound.
2	Steel Ring	A more rock sounding drum kit. The steel snare has lots of mid range ring to help it cut through music.
3	Spiralizer	This kit features an effect which continuously moves the pitch up without ever reaching the top.
4	Bop Groove	A more jazz sounding kit with open drum sounds and thinner cymbals. Perfect for more acoustic styles.
5	SwedishMetal	A punchy, mid-scooped drum sound with lots of attack. This is a perfect processed drum sound for metal music.
6	VintNashville	Typical of the drum sound found on country music in the 1960's and 1970's.
7	Off The Hook	A highly processed, very electronic drum kit that punches through the mix.
8	Black Vinyl	A typical 1990's metal drum sound with reverb – very dark!
9	D-Funk	This kit features a very highly tuned snare for contemporary funk and similar styles.
10	OldStudioKit	This mimics a kit that has been recorded in an old studio through very old microphones and an overloaded mixing desk - it is slightly distorted.
11	Jet Reverb	This kit features a long reverb and a phaser effect to make the drum sound feel like it is swirling around you. Great on headphones.
12	Short Stack	A drum kit made of short, layered, acoustic and electronic drum sounds.
■ Acoustic Kits		
13	ModrnCountry	A contemporary acoustic pop drum kit with lots of attack.
14	ExcitedSnare	This kit has bright, high snare sound. The Presence effect on the [EFFECT] knob adds even more brightness and cut to the whole kit.
15	Olden Days	This kit recreates a open, tuned-down old drum kit in larger sizes.
16	Little Kit	This kit is designed to sound like a drum set in small sizes – 16" bass drum, 10, 12, 13" toms and 12" snare.
17	26" BassDrum	The classic 1970's big open rock drum sound with 26" bass drum and oversized toms.
18	Mix Vibe	This kit features a heavily dampened snare sound for ultra tight groove playing.
19	Hollywood	This kit recreates a classic 1960's American drum sound – the sounds of 1960's FM radio.
20	Engraved	This kit features a Yamaha brass 13x6.5" snare drum and the sound of closely recorded toms and kick. A very tight drum sound.

No.	Kit name	Description
■ Acoustic + Effect Kit		
21	Filter Smack	The sound of this kit changes dramatically with your playing dynamics. It has a dynamic filter effect meaning the filter opens and lets more high frequencies through as you hit harder.
22	Classic Gate	This kit features a gated reverb effect that first became popular in 1980's. It's a big drum sound with no ring, and very dry.
23	Radio Dark	This kit simulates the lo-fi sound of an old radio.
24	Distorted	This kit features a distortion effect on the whole drum kit sound. You can adjust the distortion amount with [EFFECT] knob on the module.
25	EarlyReflctn	This kit has early-reflection reverb on it which is less harsh than gated reverb and still lets some of the natural ring of the drums come through.
■ Electronic Kits		
26	>Classic 8<	This kit features classic analog drum machine sounds.
27	>The RX5<	This kit has sounds from the legendary Yamaha RX5 digital drum machine.
28	Selector	This kit has a more 'chopped up loop' sound and is ideal for drum'n'bass music.
29	45rpm	This kit is for dub-step and other more dance based styles.
30	Club Floor	This kit is more useful for hard dance music.
31	Mellow Volts	This kit features more mellow electronic drum sounds for a more chilled vibe.
32	Heavy Kick	This kit features a heavier kick sound for filling dance floors.
33	Crunch Delay	This kit features a more lo-fi sound and light delay effect on the snare.
■ Percussion Kits		
34	Percussion	This kit has a Latin percussion set up on it including congas, timbales, shakers, cowbell and splash with a cajon bass drum sound.
35	Japan Kit	This kit features various traditional Japanese percussion sounds.
■ Demonstration Kits		
36	AHM+DynPhasr	Each of these kits uses kit no.1 "AbsoHybMaple," as its basis, but each has a different effect assigned to it. Turn the [EFFECT] knob on the module to experience the power of the internal effects of this module.
37	AHM+Modulatr	
38	AHM+AnalgDly	
39	AHM+Symphnic	You can create your own effected versions of your favorite kits by following the examples set here. There are many other effects to be used and almost infinite variations available, so you can find exactly the sound you want.
40	AHM+VCMFlngr	

Inst

(*1) Supports RealAmbi.

(*2) Supports position sensing for bow shots.

Kick1

0	No Assign	
1	22MplAHM1	(*1)
2	18MplAHM2	(*1)
3	22x18Rock1	(*1)
4	24x16Rock2	(*1)
5	22Vintage1	(*1)
6	22Vintage2	(*1)
7	20Vintage3	(*1)
8	20x16Jazz1	(*1)
9	22x14Jazz2	(*1)
10	18x18Jazz3	(*1)

Kick2

0	No Assign
1	RX5
2	RX11
3	T8-1
4	T8-2
5	T8-3
6	T8-4
7	T8-5
8	T8-6
9	T8-7
10	T8-8
11	T9-1
12	T9-2
13	T9-3
14	T9-4
15	T9-5
16	T9-6
17	T9-7
18	EDM 1
19	EDM 2
20	EDM 3
21	EDM 4
22	EDM 5
23	EDM 6
24	Trance PWR
25	Gate 1
26	Gate 2
27	Gate 3
28	Gate 4
29	Electro 1
30	Electro 2
31	Electro 3
32	Electro 4
33	Electro 5
34	Electro 6
35	Electro 7
36	Electro 8
37	Electro 9
38	Electro 10
39	Electro 11
40	Electro 12
41	Electro 13
42	Electro 14
43	Electro 15
44	Electro 16
45	Electro 17

46	Electro 18
47	Electro 19
48	Electro 20
49	R&B 1
50	R&B 2
51	HipHop 1
52	HipHop 2
53	HipHop 3
54	HipHop 4
55	HipHop 5
56	HipHop 6
57	HipHop 7
58	HipHop 8
59	HipHop 9
60	HipHop 10
61	HipHop 11
62	Break
63	DNB 1
64	DNB 2

Snare1

0	No Assign	
1	14x5MplAHM	(*1)
2	13x6BrassY	(*1)
3	14x5CoprY	(*1)
4	14x5 D20	(*1)
5	10x5MplCsY	(*1)
6	14x5 Rock1	(*1)
7	14x6 Rock2	(*1)
8	14x6 Rock3	(*1)
9	14x5Vintg1	(*1)
10	14x6Vintg2	(*1)
11	14x5 Jazz1	(*1)
12	13x5 Jazz2	(*1)

Snare2

0	No Assign	
1	RX5	
2	RX11-1	
3	RX11-2	
4	T8-1	
5	T8-2	
6	T9-1	
7	T9-2	
8	T9-3	
9	EDM 1	
10	EDM 2	
11	EDM 3	
12	EDM 4	
13	TrancePWR1	
14	TrancePWR2	
15	Gate 1	
16	Gate 2	
17	Gate 3	
18	Gate 4	
19	Electro 1	
20	Electro 2	
21	Electro 3	
22	Electro 4	
23	Electro 5	
24	Electro 6	
25	Electro 7	
26	Electro 8	
27	Electro 9	
28	Electro 10	
29	Electro 11	
30	Electro 12	
31	Electro 13	
32	Electro 14	
33	Electro 15	
34	Electro 16	
35	Electro 17	
36	Electro 18	
37	Electro 19	
38	Electro 20	
39	Electro 21	
40	R&B 1	
41	R&B 2	
42	HipHop 1	
43	HipHop 2	
44	Break	
45	DMB	

46	Dub 1	
47	Dub 2	
48	Trap 1	
49	Trap 2	
50	Trap 3	
51	House 1	
52	House 2	

Tom1

0	No Assign	
1	10MplAHM H	(*1)
2	12MplAHM M	(*1)
3	14MplAHM L	(*1)
4	16MplAHM F	(*1)
5	10 Rock H	(*1)
6	12 Rock M	(*1)
7	14 Rock L	(*1)
8	18 Rock F	(*1)
9	12 Vintg H	(*1)
10	13 Vintg M	(*1)
11	16 Vintg L	(*1)
12	18 Vintg F	(*1)
13	10 Jazz H	(*1)
14	12 Jazz M	(*1)
15	14 Jazz L	(*1)
16	16 Jazz F	(*1)

Tom2

0	No Assign	
1	RX5 H	
2	RX5 M	
3	RX5 L	
4	RX11 H	
5	RX11 M	
6	RX11 L	
7	T8-1 H	
8	T8-1 M	
9	T8-1 L	
10	T8-2 H	
11	T8-2 M	
12	T8-2 L	
13	T9-1 H	
14	T9-1 M	
15	T9-1 L	
16	T9-2 H	
17	T9-2 M	
18	T9-2 L	
19	EDM 1 H	
20	EDM 1 M	
21	EDM 1 L	
22	EDM 2 H	
23	EDM 2 M	
24	EDM 2 L	
25	EDM 3 H	
26	EDM 3 M	
27	EDM 3 L	
28	EDM 4 H	
29	EDM 4 M	
30	EDM 4 L	
31	EDM 5 H	
32	EDM 5 M	
33	EDM 5 L	
34	Gate 1 H	
35	Gate 1 M	
36	Gate 1 L	
37	Gate 2 H	
38	Gate 2 M	
39	Gate 2 L	
40	Gate 3 H	
41	Gate 3 M	
42	Gate 3 L	
43	Electro1 H	
44	Electro1 M	
45	Electro1 L	

46	Electro2 H	
47	Electro2 M	
48	Electro2 L	
49	HipHop 1 H	
50	HipHop 1 M	
51	HipHop 1 L	
52	HipHop 2 H	
53	HipHop 2 M	
54	HipHop 2 L	
55	DNB H	
56	DNB M	
57	DNB L	
58	House H	
59	House M	
60	House L	

Cymbal1

0	No Assign	
1	16Cr Rock1	(*1) (*2)
2	19Cr Rock2	(*1) (*2)
3	16Cr Vntg1	(*1) (*2)
4	16Cr Vntg2	(*1) (*2)
5	18Cr Jazz1	(*1) (*2)
6	18Cr Jazz2	(*1) (*2)
7	22Rd Rock	(*1) (*2)
8	22Rd Vntg	(*1) (*2)
9	21Rd Jazz	(*1) (*2)
10	18 China 1	(*1)
11	22 China 2	(*1)
12	8 Splash1	(*1)
13	9 Splash2	(*1)

Cymbal2

0	No Assign	
1	RX5 Crash	
2	RX11 Crash	
3	T8 Crash	
4	T8 Ride	
5	T9 Crash	
6	T9 Ride	
7	EDMCrash1	
8	EDMCrash2	
9	EDMCrash3	
10	EDMCrash4	
11	EDMCrash5	
12	EDMCrash6	
13	EDMCrash7	
14	EDMCrash8	
15	EDMCrash9	
16	EDMCrash10	
17	EDM Ride1	
18	EDM Ride2	
19	EDM Ride3	
20	EDM Ride4	
21	EDM Ride5	
22	EDM Ride6	
23	EDM Ride7	
24	EDM Ride8	
25	EDM Ride9	
26	HipHopCr 1	
27	HipHopCr 2	
28	HipHopCr 3	
29	HipHopCr 4	
30	HipHopCr 5	
31	HipHopCr 6	
32	HipHopCr 7	
33	HipHopCr 8	
34	HipHopCr 9	
35	HipHop Rd	
36	FX Cymbal1	
37	FX Cymbal2	
38	FX Cymbal3	
39	FX Cymbal4	
40	FX Cymbal5	
41	Reverse	
42	Trap Crash	
43	Trap Ride	
44	HouseCrash	

HiHat1

0	No Assign	
1	14 Pop	(*1)
2	15 Rock	(*1)
3	14 Vintage	(*1)
4	14 Jazz	(*1)

HiHat2

0	No Assign
1	RX5
2	RX11
3	T8-1
4	T8-2
5	T9-1
6	T9-2
7	EDM 1
8	EDM 2
9	EDM 3
10	EDM 4
11	EDM 5
12	Elec 1
13	Elec 2
14	Elec 3
15	Elec 4
16	Elec 5
17	Elec 6
18	Elec 7
19	Elec 8
20	Elec 9
21	Elec 10
22	R&B 1
23	R&B 2
24	HipHop 1
25	HipHop 2
26	HipHop 3
27	DNB

Perc

0	No Assign
1	Conga H SW
2	Conga L SW
3	Bongo H SW
4	Bongo L SW
5	Timbales H
6	Timbales L
7	Surdo SW
8	PndeiroOp
9	PndeiroTap
10	PndeiroShk
11	PndeiroSld
12	Tambarin 1
13	Tambarin 2
14	Cowbell1SW
15	Cowbell 2
16	Cowbell 3
17	Claves
18	Maracas
19	TriangleOp
20	TriangleMt
21	GuiroShort
22	GuiroLong
23	Agogo H
24	Agogo L
25	WoodBlockH
26	WoodBlockL
27	Shaker 1
28	Shaker 2
29	Caxixi Hit
30	Whistle S
31	Whistle L
32	Djambe Lo
33	Djambe Op
34	Djambe Slp
35	Djambe Mt
36	Cajion Lo
37	Cajion Ft
38	Cajion Slp
39	Cajion Mt
40	TalkDr Op
41	PotDrum Op
42	Dundun Op
43	Dundun Cl
44	Darbuka Op
45	Darbuka Sl

46	Darbuka Mt
47	Sangban Op
48	Kenkeni Op
49	AfricanBIH
50	AfricanBIL
51	Tombak Op
52	Daf Open
53	Daf Slap
54	Daf Mute
55	Riq Open
56	Riq Slap
57	Riq Shake
58	Riq Hit
59	Sagat Op
60	Sagat Cl
61	Sagat SW
62	Tabla Na
63	Bayan Ge
64	Dhol RH Op
65	Dhol RH Cl
66	Dhol LH Op
67	Dhol LH Cl
68	KanjiraHit
69	KanjiraSlp
70	KanjiraShk
71	ZangGu
72	ZangGu Rim
73	BianGu
74	BianGu Rim
75	BianGuHand
76	TangGu
77	TangGu Rim
78	PaiGu 1
79	PaiGu 2
80	PaiGu 3
81	XiaoBo Opn
82	XiaoBo Cls
83	DaBo Opn
84	DaBo Cls
85	XiaoLuo
86	ZhongLuo
87	FengLuo
88	ShangNao 1
89	ShangNao 2
90	Qing H
91	Qing L

92	Taiko Don
93	Taiko Ka
94	KoTaik1Ten
95	KoTaik1Tsu
96	KoTaik2Ten
97	KoTaik2Tsu
98	TsuzumiPon
99	TsuzumiBnd
100	OokawaChon
101	Temple Blk
102	KontikiKon
103	Kontiki Ki
104	Atari Kon
105	Atari Chi
106	Ainote 1
107	Ainote 2
108	GranCasaOp
109	Field Sn
110	FldSn OpRm
111	FldSn ClRm
112	OrchSn
113	OrchSnOpRm
114	OrchSnClRm
115	OrTambHtOp
116	OrTambHtCl
117	OrTambHtSk
118	Castanet
119	Vibraslap
120	SleighBel
121	WindChime
122	HandCym Op
123	HandCym Mt
124	FingrCymOp
125	RibonCrash
126	Timpani
127	Tamtam

Effect

0	No Assign
1	Clap 1 T8
2	Clap 2 T8
3	Clap 3 T9
4	Clap 4 T9
5	Clap 5
6	Clap 6
7	Clap 7
8	Clap 8
9	Clap 9
10	Clap 10
11	Clap 11
12	Clap 12
13	Snap 1
14	Snap 2
15	Snap 3
16	Snap 4
17	Snap 5
18	Snap 6
19	T8-1 Cng H
20	T8-1 Cng M
21	T8-1 Cng L
22	T8-1 Cowbl
23	T8-1 Clavs
24	T8-2 Cng H
25	T8-2 Cng M
26	T8-2 Cng L
27	T8-2 Cowbl
28	T8-2 Clavs
29	T8 Bass 1
30	T8 Bass 2
31	EDM Maracs
32	EDM Trangl
33	EDM Click
34	EDM Shker1
35	EDM Shker2
36	EDM Perc 1
37	EDM Perc 2
38	EDM Perc 3
39	EDM Perc 4
40	EDM Perc 5
41	HipHopPc 1
42	HipHopPc 2
43	HipHopPc 3
44	HipHopPc 4
45	HipHopPc 5

46	HipHopPc 6
47	HipHopPc 7
48	HipHopPc 8
49	HipHopPc 9
50	HipHopPc10
51	HipHopPc11
52	ElecCabasa
53	Elec Guiro
54	Elec WdBlk
55	Ripper
56	Indus Tom
57	Zap 1
58	Zap 2
59	Hi Q 1
60	Hi Q 2
61	Scratch H
62	Scratch L
63	ScratchR&B
64	Flex
65	Elec FX 1
66	Elec FX 2
67	Elec FX 3
68	Elec FX 4
69	Elec FX 5
70	Elec FX 6
71	Elec FX 7
72	Elec FX 8
73	Elec FX 9
74	Elec FX 10
75	Elec FX 11
76	Elec FX 12
77	Elec FX 13
78	Elec FX 14
79	Elec FX 15
80	Elec FX 16
81	Elec FX 17
82	Elec FX 18
83	Elec FX 19
84	Elec FX 20
85	Elec FX 21
86	Elec FX 22
87	Elec FX 23
88	Elec FX 24
89	Elec FX 25
90	Elec FX 26
91	Elec FX 27

92	Elec FX 28
93	Elec FX 29
94	Elec FX 30
95	Elec FX 31
96	Elec FX 32
97	Elec FX 33
98	Elec FX 34
99	Elec FX 35
100	Elec FX 36
101	Elec FX 37
102	Elec FX 38
103	Elec FX 39
104	Elec FX 40
105	Elec FX 41
106	Elec FX 42
107	Elec FX 43
108	Elec FX 44
109	Elec FX 45
110	Elec FX 46
111	Elec FX 47
112	Elec FX 48
113	Elec FX 49
114	Elec FX 50
115	Elec FX 51
116	Clk 1 Acc
117	Clk 1 4th
118	Clk 1 8th
119	Clk 1 16th
120	Clk 1 Trp
121	Clk 2 Acc
122	Clk 2 Beat
123	Clk 3 Acc
124	Clk 3 Beat
125	Clk 4
126	Clk 5

Voice

(*1) Supports RealAmbi.

(*2) Supports position sensing for bow shots.

Kick1

0	No Assign	
1	22MplAHM1	(*1)
2	18MplAHM2	(*1)
3	22x18Rock1	(*1)
4	24x16Rock2	(*1)
5	22Vintage1	(*1)
6	22Vintage2	(*1)
7	20Vintage3	(*1)
8	20x16Jazz1	(*1)
9	22x14Jazz2	(*1)
10	18x18Jazz3	(*1)

Kick2

0	No Assign
1	RX5
2	RX11
3	T8-1
4	T8-2
5	T8-3
6	T8-4
7	T8-5
8	T8-6
9	T8-7
10	T8-8
11	T9-1
12	T9-2
13	T9-3
14	T9-4
15	T9-5
16	T9-6
17	T9-7
18	EDM 1
19	EDM 2
20	EDM 3
21	EDM 4
22	EDM 5
23	EDM 6
24	Trance PWR
25	Gate 1
26	Gate 2
27	Gate 3
28	Gate 4
29	Electro 1
30	Electro 2
31	Electro 3
32	Electro 4
33	Electro 5
34	Electro 6
35	Electro 7
36	Electro 8
37	Electro 9
38	Electro 10
39	Electro 11
40	Electro 12
41	Electro 13
42	Electro 14
43	Electro 15
44	Electro 16
45	Electro 17

46	Electro 18
47	Electro 19
48	Electro 20
49	R&B 1
50	R&B 2
51	HipHop 1
52	HipHop 2
53	HipHop 3
54	HipHop 4
55	HipHop 5
56	HipHop 6
57	HipHop 7
58	HipHop 8
59	HipHop 9
60	HipHop 10
61	HipHop 11
62	Break
63	DNB 1
64	DNB 2

Snare1

0	No Assign	
1	14x5AHM	(*1)
2	14x5AHMRm1	(*1)
3	14x5AHMRm2	(*1)
4	13x6Brs	(*1)
5	13x6BrsRm1	(*1)
6	13x6BrsRm2	(*1)
7	14x5Cpr	(*1)
8	14x5CprRm1	(*1)
9	14x5CprRm2	(*1)
10	14x5D20	(*1)
11	14x5D20Rm1	(*1)
12	14x5D20Rm2	(*1)
13	10x5MC	(*1)
14	10x5MC Rm1	(*1)
15	10x5MC Rm2	(*1)
16	14x5Rk1	(*1)
17	14x5Rk1Rm1	(*1)
18	14x5Rk1Rm2	(*1)
19	14x6Rk2	(*1)
20	14x6Rk2Rm1	(*1)
21	14x6Rk2Rm2	(*1)
22	14x6Rk3	(*1)
23	14x6Rk3Rm1	(*1)
24	14x6Rk3Rm2	(*1)
25	14x5Vn1	(*1)
26	14x5Vn1Rm1	(*1)
27	14x5Vn1Rm2	(*1)
28	14x6Vn2	(*1)
29	14x6Vn2Rm1	(*1)
30	14x6Vn2Rm2	(*1)
31	14x5Jz1	(*1)
32	14x5Jz1Rm1	(*1)
33	14x5Jz1Rm2	(*1)
34	13x5Jz2	(*1)
35	13x5Jz2Rm1	(*1)
36	13x5Jz2Rm2	(*1)

Snare2

0	No Assign	
1	RX5	
2	RX5 Rm1	
3	RX5 Rm2	
4	RX11-1	
5	RX11-2	
6	RX11-3	
7	RX11 Rim	
8	T8-1	
9	T8-2	
10	T8-3	
11	T8-4	
12	T8 Rim	
13	T9-1	
14	T9-2	
15	T9-3	
16	T9-4	
17	T9-5	
18	T9-6	
19	T9 Rim	
20	EDM 1	
21	EDM 1 Rm1	
22	EDM 1 Rm2	
23	EDM 2	
24	EDM 2 Rm	
25	EDM 3	
26	EDM 3 Rm	
27	EDM 4	
28	EDM 4 Rm	
29	TrancePWR1	
30	TrancePWR2	
31	Gate 1	
32	Gate 2	
33	Gate 3	
34	Gate 4	
35	Gate Rim	
36	Electro 1	
37	Electro 2	
38	Electro 3	
39	Electro 4	
40	Electro 5	
41	Electro 6	
42	Electro 7	
43	Electro 8	
44	Electro 9	
45	Electro 10	

46	Electro 11	
47	Electro 12	
48	Electro 13	
49	Electro 14	
50	Electro 15	
51	Electro 16	
52	Electro 17	
53	Electro 18	
54	Electro 19	
55	Electro 20	
56	Electro 21	
57	Electro Rm	
58	R&B 1	
59	R&B 1 Rim	
60	R&B 2	
61	R&B 2 Rim	
62	HipHop1	
63	HipHop1Rm1	
64	HipHop1Rm2	
65	HipHop2	
66	HipHop2Rm1	
67	HipHop2Rm2	
68	Break	
69	Break Rm1	
70	Break Rm2	
71	DNB	
72	DNB Rm1	
73	DNB Rm2	
74	Dub 1	
75	Dub 2	
76	Trap 1	
77	Trap 2	
78	Trap 3	
79	House 1	
80	House 2	

Tom1

0	No Assign	
1	10AHM H	(*1)
2	10AHM H Rm	(*1)
3	12AHM M	(*1)
4	12AHM M Rm	(*1)
5	14AHM L	(*1)
6	14AHM L Rm	(*1)
7	16AHM F	(*1)
8	16AHM F Rm	(*1)
9	10Rck H	(*1)
10	10Rck H Rm	(*1)
11	12Rck M	(*1)
12	12Rck M Rm	(*1)
13	14Rck L	(*1)
14	14Rck L Rm	(*1)
15	18Rck F	(*1)
16	18Rck F Rm	(*1)
17	12Vnt H	(*1)
18	12Vnt H Rm	(*1)
19	13Vnt M	(*1)
20	13Vnt M Rm	(*1)
21	16Vnt L	(*1)
22	16Vnt L Rm	(*1)
23	18Vnt F	(*1)
24	18Vnt F Rm	(*1)
25	10Jaz H	(*1)
26	10Jaz H Rm	(*1)
27	12Jaz M	(*1)
28	12Jaz M Rm	(*1)
29	14Jaz L	(*1)
30	14Jaz L Rm	(*1)
31	16Jaz F	(*1)
32	16Jaz F Rm	(*1)

Tom2

0	No Assign	
1	RX5 H	
2	RX5 M	
3	RX5 L	
4	RX11 H	
5	RX11 M	
6	RX11 L	
7	T8-1 H	
8	T8-1 M	
9	T8-1 L	
10	T8-2 H	
11	T8-2 M	
12	T8-2 L	
13	T9-1 H	
14	T9-1 M	
15	T9-1 L	
16	T9-2 H	
17	T9-2 M	
18	T9-2 L	
19	EDM 1 H	
20	EDM 1 M	
21	EDM 1 L	
22	EDM 2 H	
23	EDM 2 M	
24	EDM 2 L	
25	EDM 3 H	
26	EDM 3 M	
27	EDM 3 L	
28	EDM 4 H	
29	EDM 4 M	
30	EDM 4 L	
31	EDM 5 H	
32	EDM 5 M	
33	EDM 5 L	
34	Gate 1 H	
35	Gate 1 M	
36	Gate 1 L	
37	Gate 2 H	
38	Gate 2 M	
39	Gate 2 L	
40	Gate 3 H	
41	Gate 3 M	
42	Gate 3 L	
43	Electro1 H	
44	Electro1 M	
45	Electro1 L	

46	Electro2 H	
47	Electro2 M	
48	Electro2 L	
49	HipHop 1 H	
50	HipHop 1 M	
51	HipHop 1 L	
52	HipHop 2 H	
53	HipHop 2 M	
54	HipHop 2 L	
55	DNB H	
56	DNB M	
57	DNB L	
58	House H	
59	House M	
60	House L	

Cymbal1

0	No Assign	
1	16CrRck1	(*1) (*2)
2	16CrRck1Eg	(*1)
3	16CrRck1Cp	(*1)
4	19CrRck2	(*1) (*2)
5	19CrRck2Eg	(*1)
6	19CrRck2Cp	(*1)
7	16CrVnt1	(*1) (*2)
8	16CrVnt1Eg	(*1)
9	16CrVnt1Cp	(*1)
10	16CrVnt2	(*1) (*2)
11	16CrVnt2Eg	(*1)
12	16CrVnt2Cp	(*1)
13	18CrJaz1	(*1) (*2)
14	18CrJaz1Eg	(*1)
15	18CrJaz1Cp	(*1)
16	18CrJaz2	(*1) (*2)
17	18CrJaz2Eg	(*1)
18	18CrJaz2Cp	(*1)
19	22RdRock	(*1) (*2)
20	22RdRockEg	(*1)
21	22RdRockCp	(*1)
22	22RdVint	(*1) (*2)
23	22RdVintEg	(*1)
24	22RdVintCp	(*1)
25	21RdJazz	(*1) (*2)
26	21RdJazzEg	(*1)
27	21RdJazzCp	(*1)
28	18 China 1	(*1)
29	22 China 2	(*1)
30	8 Splash1	(*1)
31	9 Splash2	(*1)

Cymbal2

0	No Assign
1	RX5 Crash
2	RX5 Cp
3	RX11 Crash
4	RX11 Cp
5	T8 Crash
6	T8 Ride
7	T9 Crash
8	T9 Ride
9	EDMCrash1
10	EDMCrash2
11	EDMCrash3
12	EDMCrash4
13	EDMCrash5
14	EDMCrash6
15	EDMCrash7
16	EDMCrash8
17	EDMCrash9
18	EDMCrash10
19	EDM Ride1
20	EDM Ride2
21	EDM Ride3
22	EDM Ride4
23	EDM Ride5
24	EDM Ride6
25	EDM Ride7
26	EDM Ride8
27	EDM Ride9
28	HipHopCr 1
29	HipHopCr 2
30	HipHopCr 3
31	HipHopCr 4
32	HipHopCr 5
33	HipHopCr 6
34	HipHopCr 7
35	HipHopCr 8
36	HipHopCr 9
37	HipHop Rd
38	HipHop Cp
39	FX Cymbal1
40	FX Cymbal2
41	FX Cymbal3
42	FX Cymbal4
43	FX Cymbal5
44	Reverse
45	Trap Crash

46	Trap Ride
47	HouseCrash

HiHat1

0	No Assign	
1	14Pop Op	(*1)
2	14Pop OpEg	(*1)
3	14Pop Cl	(*1)
4	14Pop ClEg	(*1)
5	14Pop Ft	(*1)
6	14Pop Spl	(*1)
7	15Rock Op	(*1)
8	15RockOpEg	(*1)
9	15RockCl	(*1)
10	15RockClEg	(*1)
11	15RockFt	(*1)
12	15RockSpl	(*1)
13	14Vint Op	(*1)
14	14VintOpEg	(*1)
15	14VintCl	(*1)
16	14VintClEg	(*1)
17	14VintFt	(*1)
18	14VintSpl	(*1)
19	14Jazz Op	(*1)
20	14JazzOpEg	(*1)
21	14JazzCl	(*1)
22	14JazzClEg	(*1)
23	14JazzFt	(*1)
24	14JazzSpl	(*1)

HiHat2

0	No Assign	
1	RX5 Op	
2	RX5 Cl	
3	RX11 Op	
4	RX11 Cl	
5	T8-1 Op	
6	T8-1 Cl	
7	T8-2 Op	
8	T8-2 Cl	
9	T9-1 Op	
10	T9-1 Cl	
11	T9-2 Op	
12	T9-2 Cl	
13	EDM 1 Op	
14	EDM 1 Cl	
15	EDM 1 Ft	
16	EDM 2 Op	
17	EDM 2 OpEg	
18	EDM 2 Cl	
19	EDM 2 ClEg	
20	EDM 2 Ft	
21	EDM 2 Spl	
22	EDM 3 Op	
23	EDM 3 OpEg	
24	EDM 3 Cl	
25	EDM 3 ClEg	
26	EDM 3 Ft	
27	EDM 3 Spl	
28	EDM 4 Op	
29	EDM 4 OpEg	
30	EDM 4 Cl	
31	EDM 4 ClEg	
32	EDM 5 Op	
33	EDM 5 OpEg	
34	EDM 5 Cl	
35	EDM 5 Ft	
36	Elec 1 Op	
37	Elec 1 Cl	
38	Elec 2 Op	
39	Elec 2 Cl	
40	Elec 3 Op	
41	Elec 3 Cl	
42	Elec 4 Op	
43	Elec 4 Cl	
44	Elec 5 Op	
45	Elec 5 Cl	

46	Elec 6 Op	
47	Elec 6 Cl	
48	Elec 7 Op	
49	Elec 7 Cl	
50	Elec 8 Op	
51	Elec 8 Cl	
52	Elec 9 Op	
53	Elec 9 Cl	
54	Elec 10 Op	
55	Elec 10 Cl	
56	R&B 1 Op	
57	R&B 1 Cl	
58	R&B 2 Op	
59	R&B 2 Cl	
60	R&B 2 Ft	
61	HpHp1 Op	
62	HipHp1 Cl	
63	HipHp1 Ft	
64	HipHp2 Op	
65	HipHp2OpEg	
66	HipHp2 Cl	
67	HipHp2ClEg	
68	HipHp2 Ft	
69	HipHp3 Op	
70	HipHp3 Cl	
71	HipHp3ClEg	
72	HipHp3 Ft	
73	DNB Op	
74	DNB Cl	
75	DNB Ft	

Perc

0	No Assign
1	Conga H SW
2	Conga L SW
3	Bongo H SW
4	Bongo L SW
5	Timbales H
6	Timbales L
7	Surdo SW
8	PndeiroOp
9	PndeiroTap
10	PndeiroShk
11	PndeiroSld
12	Tambarin 1
13	Tambarin 2
14	Cowbell1SW
15	Cowbell 2
16	Cowbell 3
17	Claves
18	Maracas
19	TriangleOp
20	TriangleMt
21	GuiroShort
22	GuiroLong
23	Agogo H
24	Agogo L
25	WoodBlockH
26	WoodBlockL
27	Shaker 1
28	Shaker 2
29	Caxixi Hit
30	Whistle S
31	Whistle L
32	Djambe Lo
33	Djambe Op
34	Djambe Slp
35	Djambe Mt
36	Cajion Lo
37	Cajion Ft
38	Cajion Slp
39	Cajion Mt
40	TalkDr Op
41	PotDrum Op
42	Dundun Op
43	Dundun Cl
44	Darbuka Op
45	Darbuka Sl

46	Darbuka Mt
47	Sangban Op
48	Kenkeni Op
49	AfricanBIH
50	AfricanBIL
51	Tombak Op
52	Daf Open
53	Daf Slap
54	Daf Mute
55	Riq Open
56	Riq Slap
57	Riq Shake
58	Riq Hit
59	Sagat Op
60	Sagat Cl
61	Sagat SW
62	Tabla Na
63	Bayan Ge
64	Dhol RH Op
65	Dhol RH Cl
66	Dhol LH Op
67	Dhol LH Cl
68	KanjiraHit
69	KanjiraSlp
70	KanjiraShk
71	ZangGu
72	ZangGu Rim
73	BianGu
74	BianGu Rim
75	BianGuHand
76	TangGu
77	TangGu Rim
78	PaiGu 1
79	PaiGu 2
80	PaiGu 3
81	XiaoBo Opn
82	XiaoBo Cls
83	DaBo Opn
84	DaBo Cls
85	XiaoLuo
86	ZhongLuo
87	FengLuo
88	ShangNao 1
89	ShangNao 2
90	Qing H
91	Qing L

92	Taiko Don
93	Taiko Ka
94	KoTaik1Ten
95	KoTaik1Tsu
96	KoTaik2Ten
97	KoTaik2Tsu
98	TsuzumiPon
99	TsuzumiBnd
100	OokawaChon
101	Temple Blk
102	KontikiKon
103	Kontiki Ki
104	Atari Kon
105	Atari Chi
106	Ainote 1
107	Ainote 2
108	GranCasaOp
109	Field Sn
110	FldSn OpRm
111	FldSn ClRm
112	OrchSn
113	OrchSnOpRm
114	OrchSnClRm
115	OrTambHtOp
116	OrTambHtCl
117	OrTambHtSk
118	Castanet
119	Vibraslap
120	SleighBel
121	WindChime
122	HandCym Op
123	HandCym Mt
124	FingrCymOp
125	RibonCrash
126	Timpani
127	Tamtam

Effect

0	No Assign
1	Clap 1 T8
2	Clap 2 T8
3	Clap 3 T9
4	Clap 4 T9
5	Clap 5
6	Clap 6
7	Clap 7
8	Clap 8
9	Clap 9
10	Clap 10
11	Clap 11
12	Clap 12
13	Snap 1
14	Snap 2
15	Snap 3
16	Snap 4
17	Snap 5
18	Snap 6
19	T8-1 Cng H
20	T8-1 Cng M
21	T8-1 Cng L
22	T8-1 Cowbl
23	T8-1 Clavs
24	T8-2 Cng H
25	T8-2 Cng M
26	T8-2 Cng L
27	T8-2 Cowbl
28	T8-2 Clavs
29	T8 Bass 1
30	T8 Bass 2
31	EDM Maracs
32	EDM Trangl
33	EDM Click
34	EDM Shker1
35	EDM Shker2
36	EDM Perc 1
37	EDM Perc 2
38	EDM Perc 3
39	EDM Perc 4
40	EDM Perc 5
41	HipHopPc 1
42	HipHopPc 2
43	HipHopPc 3
44	HipHopPc 4
45	HipHopPc 5

46	HipHopPc 6
47	HipHopPc 7
48	HipHopPc 8
49	HipHopPc 9
50	HipHopPc10
51	HipHopPc11
52	ElecCabasa
53	Elec Guiro
54	Elec WdBk
55	Ripper
56	Indus Tom
57	Zap 1
58	Zap 2
59	Hi Q 1
60	Hi Q 2
61	Scratch H
62	Scratch L
63	ScratchR&B
64	Flex
65	Elec FX 1
66	Elec FX 2
67	Elec FX 3
68	Elec FX 4
69	Elec FX 5
70	Elec FX 6
71	Elec FX 7
72	Elec FX 8
73	Elec FX 9
74	Elec FX 10
75	Elec FX 11
76	Elec FX 12
77	Elec FX 13
78	Elec FX 14
79	Elec FX 15
80	Elec FX 16
81	Elec FX 17
82	Elec FX 18
83	Elec FX 19
84	Elec FX 20
85	Elec FX 21
86	Elec FX 22
87	Elec FX 23
88	Elec FX 24
89	Elec FX 25
90	Elec FX 26
91	Elec FX 27

92	Elec FX 28
93	Elec FX 29
94	Elec FX 30
95	Elec FX 31
96	Elec FX 32
97	Elec FX 33
98	Elec FX 34
99	Elec FX 35
100	Elec FX 36
101	Elec FX 37
102	Elec FX 38
103	Elec FX 39
104	Elec FX 40
105	Elec FX 41
106	Elec FX 42
107	Elec FX 43
108	Elec FX 44
109	Elec FX 45
110	Elec FX 46
111	Elec FX 47
112	Elec FX 48
113	Elec FX 49
114	Elec FX 50
115	Elec FX 51
116	Clk 1 Acc
117	Clk 1 4th
118	Clk 1 8th
119	Clk 1 16th
120	Clk 1 Trp
121	Clk 2 Acc
122	Clk 2 Beat
123	Clk 3 Acc
124	Clk 3 Beat
125	Clk 4
126	Clk 5

Training Song

No.	Name
01	POP1
02	POP2
03	ROCK1
04	ROCK2
05	METAL
06	FUNK
07	HIPHOP
08	EDM
09	JAZZ
10	LATIN
11	POP ROCK
12	POP SHUFFLE
13	MODN BALLAD
14	POP PUNK
15	HARD ROCK
16	HALF-8BT RCK
17	POWER ROCK
18	6/8 BALLAD
19	PROG ROCK
20	THRASH METAL
21	60S FUNK
22	70S FUNK
23	JAZZ FUNK
24	SLOW BLUES
25	ROCK'N'ROLL
26	HIPHOP2
27	HIPHOP3
28	EDM2
29	REGGAETON
30	DISCO
31	JAZZ WALTZ
32	FUSION
33	LATIN ROCK
34	AFRO CUBAN
35	SAMBA
36	BOSSA
37	REGGAE

MIDI Data Format

1. General

1.1 Scope

The specifications described herein apply to transmission and reception of MIDI data by a DTX-PRO drum trigger module.

1.2 Compliance

The specifications described herein comply with the MIDI 1.0 standard.

1.3 Legend

The following symbol has a special meaning herein.

- \$: Placed in front of hexadecimal numbers.

2. Channel Messages

2.1 Key On & Key Off

Key On and Key Off messages are transmitted and received.

Range of notes received: 0 (C-2) to 127 (G8)

Velocity range: 1 to 127 (i.e., Note On only)

2.2 Control Change

2.2.1 Bank Select MSB (0), LSB (32)

Bank Select MSB and LSB messages are transmitted and received.

MSB=125, LSB=0: Preset Kit

MSB=125, LSB=1: User Kit (1 to 100)

MSB=125, LSB=2: User Kit (101 to 200)

MIDI Ch 10 only.

2.2.2 Foot Controller (4)

Foot Controller messages are transmitted and received.

MIDI Ch 10 only.

2.2.3 General Controller (17)

General Controller messages are transmitted and received. Corresponds to the location of the strike on the Ride.

MIDI Ch 10 only.

- 2.2.4 **General Controller (80)**
General Controller messages are received. Corresponds to the AMBIENCE knob value.

MIDI Ch 10 only.
- 2.2.5 **General Controller (81)**
General Controller messages are received. Corresponds to the COMP knob value.

MIDI Ch 10 only.
- 2.2.6 **General Controller (82)**
General Controller messages are received. Corresponds to the EFFECT knob value.

MIDI Ch 10 only.
- 2.2.7 **Message Type (1 to 95)**
When the MENU/Kit Edit/Voice/MessageType parameter setting is CC01 to CC95, control change messages set here are sent whenever the pad is hit.
- 2.2.8 **Pad Function (1 to 95)**
When CC01 to CC95 is selected in the MENU/Utility/Pad/PadFunction, control change messages set here are sent whenever the pad is hit.

2.3 Channel Mode

Channel Mode messages are neither transmitted nor received.

2.4 Program Change

Program Change messages are transmitted and received.

MSB=125, LSB=0: Preset Kit (1 to 40)

MSB=125, LSB=1: User Kit (1 to 100)

MSB=125, LSB=2: User Kit (101 to 200)

MIDI Ch 10 only.

2.5 Pitch Bend

Pitch Bend messages are neither transmitted nor received.

2.6 Channel Aftertouch

Channel Aftertouch messages are neither transmitted nor received.

2.7 Polyphonic Aftertouch

Polyphonic Aftertouch messages are transmitted and received.

3. System Exclusive Messages

3.1 Universal Non-Real Time

3.1.1 Identity Request

\$F0 \$7E \$0n \$06 \$01 \$F7

n is ignored.

Identity Request messages are received but not transmitted. Upon receipt of the above message, the DTX-PRO transmits an Identity Reply message.

3.1.2 Identity Reply

\$F0 \$7E \$7F \$06 \$02 \$43 \$00 \$41 \$5D \$06 \$00 \$00 \$00 \$7F \$F7

Identity Reply messages are transmitted but not received.

4. System Common Messages

System Common messages are neither transmitted nor received.

5. System Real Time Messages

5.1 Timing Clock

Timing Clock messages are transmitted.

5.2 Start & Stop

Start and Stop messages are neither transmitted nor received.

5.3 Active Sensing

Reception:

If, following receipt of an Active Sensing message, no subsequent MIDI data is received for approximately 300 milliseconds, the DTX-PRO will mute all voices currently playing.

Transmission:

The DTX-PRO constantly transmits Active Sensing messages at intervals within approximately 300 milliseconds

Function...	Transmitted	Recognized	Remarks
Basic Channel Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	Memorized
Mode Default Messages Altered	x x *****	3 x x	
Note Number : True voice	0 - 127 *****	0 - 127 0 - 127	
Velocity Note ON Note OFF	o 9nH,v=1-127 x 9nH,v=0	o 9nH,v=1-127 x	
After Touch Key's Ch's	o x	o x	
Pitch Bend	x	x	
Control Change 0,32 4 17 80,81,82 1-95	o o o x o *1	o o o o x	Bank Select
Prog Change : True #	o 0 - 99 *****	o 0 - 99	
System Exclusive	o	o	
Common : Song Pos. : Song Sel. : Tune	x x x	x x x	
System : Clock Real Time: Commands	o x	x 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	x x x x o x	
Notes: *1 depend on Message Type or Pad Function setting.			

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON , MONO o : Yes
 Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO x : No