

PCM 80 Dual FX

MIDI Implementation Details

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Lexicon Part No. 070-11487

Printed in U.S.A.

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PCM 80 Dual FX

MIDI Implementation Details

This document contains all parameter information for the PCM 80 Dual FX Algorithm Card, which requires PCM 80 software Version 1.10 or higher. This document should be considered as a supplement to the document: PCM 80 Version 1.10 MIDI Implementation Details.

Algorithm 10: Band-Chmb

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	31
15	01	DelayTime	Voice1	43690	00	33
16	01	DelayTime	Voice2	43690	00	34
17	01	DelayTime	Voice3	43690	00	35
18	01	DelayTime	Voice4	43690	00	36
19	00	DelayTime	Clear	1	00	32
1A	00	Levels	Master	80	00	2C
1B	00	Levels	Voice1	160	00	2D
1C	00	Levels	Voice2	160	00	2E
1D	00	Levels	Voice3	160	00	2F
1E	00	Levels	Voice4	160	00	30
1F	00	Feedback	Master	100	00	41
20	00	Feedback	Voice1	200	00	42
21	00	Feedback	Voice2	200	00	43
22	00	Feedback	Voice3	200	00	44
23	00	Feedback	Voice4	200	00	45
24	00	Filters	Mstr HC	240	00	37
25	00	Filters	V1 HiCut	121	00	39
26	00	Filters	V2 HiCut	121	00	3B
27	00	Filters	V3 HiCut	121	00	3D
28	00	Filters	V4 HiCut	121	00	3F
29	00	Filters	Mstr LC	240	00	38
2A	00	Filters	V1 LoCut	121	00	3A
2B	00	Filters	V2 LoCut	121	00	3C

2C	00	Filters	V3 LoCut	121	00	3E
2D	00	Filters	V4 LoCut	121	00	40
2E	00	Panning	Master	100	00	46
2F	00	Panning	Voice1	100	00	47
30	00	Panning	Voice2	100	00	48
31	00	Panning	Voice3	100	00	49
32	00	Panning	Voice4	100	00	4A
33	00	Controls	FX Width	720	00	06
34	00	Controls	LvlAdjust	80	00	01
35	00	Submixer	RvbInLvl	80	00	0C
36	00	Submixer	Rvb In W	720	00	0E
37	00	Submixer	Rvb Out W	720	00	16
38	00	Submixer	RvbOutLvl	80	00	14
39	00	Submixer	RvbHiCut	121	00	10
3A	00	Submixer	RvbLoCut	121	00	12
3B	00	Submixer	RvbMix	100	00	0A
3C	00	Submixer	FX InLvl	80	00	0D
3D	00	Submixer	FX In W	720	00	0F
3E	00	Submixer	FX Out W	720	00	17
3F	00	Submixer	FX OutLvl	80	00	15
40	00	Submixer	FX HiCut	121	00	11
41	00	Submixer	FX LoCut	121	00	13
42	00	Submixer	FX Mix	100	00	0B
43	00	Submixer	Sends	300	00	07
44	00	Submixer	Returns	300	00	08
45	00	Submixer	Routing	400	00	09
46	00	RvbDesign	Size	144	00	25
47	00	RvbDesign	Spin	50	00	29
48	00	Rvb Time	Rt HC	48	00	1B
49	00	Rvb Time	Low Rt	9	00	18
4A	00	Rvb Time	Crossover	60	00	1A
4B	00	Rvb Time	Mid Rt	63	00	19
4C	00	RvbDesign	Diffusion	100	00	26
4D	01	Rvb Time	Pre Delay	465	00	1C
4E	00	RvbDesign	Spread	255	00	28
4F	00	RvbDesign	Shape	255	00	27
50	00	RvbDesign	Link	1	00	2A
51	00	RvbDesign	Rvb Out	15	00	2B
52	01	Rvb Time	EkoDly L	600	00	22
53	01	Rvb Time	EkoDly R	600	00	24
54	00	Rvb Time	EkoFbk L	30	00	21
55	00	Rvb Time	EkoFbk R	30	00	23
56	01	Rvb Time	RefDly L	600	00	1E
57	01	Rvb Time	RefDly R	600	00	20
58	00	Rvb Time	RefLvl L	15	00	1D
59	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 11: Band-Plt

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	30
15	01	DelayTime	Voice1	43690	00	32
16	01	DelayTime	Voice2	43690	00	33
17	01	DelayTime	Voice3	43690	00	34
18	01	DelayTime	Voice4	43690	00	35
19	00	DelayTime	Clear	1	00	31
1A	00	Levels	Master	80	00	2B
1B	00	Levels	Voice1	160	00	2C
1C	00	Levels	Voice2	160	00	2D
1D	00	Levels	Voice3	160	00	2E
1E	00	Levels	Voice4	160	00	2F
1F	00	Feedback	Master	100	00	40
20	00	Feedback	Voice1	200	00	41
21	00	Feedback	Voice2	200	00	42
22	00	Feedback	Voice3	200	00	43
23	00	Feedback	Voice4	200	00	44
24	00	Filters	Mstr HC	240	00	36
25	00	Filters	V1 HiCut	121	00	38
26	00	Filters	V2 HiCut	121	00	3A
27	00	Filters	V3 HiCut	121	00	3C
28	00	Filters	V4 HiCut	121	00	3E
29	00	Filters	Mstr LC	240	00	37
2A	00	Filters	V1 LoCut	121	00	39
2B	00	Filters	V2 LoCut	121	00	3B
2C	00	Filters	V3 LoCut	121	00	3D
2D	00	Filters	V4 LoCut	121	00	3F
2E	00	Panning	Master	100	00	45
2F	00	Panning	Voice1	100	00	46
30	00	Panning	Voice2	100	00	47
31	00	Panning	Voice3	100	00	48
32	00	Panning	Voice4	100	00	49
33	00	Controls	FX Width	720	00	06
34	00	Controls	LvlAdjust	80	00	01
35	00	Submixer	RvblnLvl	80	00	0C
36	00	Submixer	Rvb In W	720	00	0E
37	00	Submixer	Rvb Out W	720	00	16

38	00	Submixer	RvbOutLvl	80	00	14
39	00	Submixer	RvbHiCut	121	00	10
3A	00	Submixer	RvbLoCut	121	00	12
3B	00	Submixer	RvbMix	100	00	0A
3C	00	Submixer	FX InLvl	80	00	0D
3D	00	Submixer	FX In W	720	00	0F
3E	00	Submixer	FX Out W	720	00	17
3F	00	Submixer	FX OutLvl	80	00	15
40	00	Submixer	FX HiCut	121	00	11
41	00	Submixer	FX LoCut	121	00	13
42	00	Submixer	FX Mix	100	00	0B
43	00	Submixer	Sends	300	00	07
44	00	Submixer	Returns	300	00	08
45	00	Submixer	Routing	400	00	09
46	00	RvbDesign	Size	144	00	25
47	00	RvbDesign	Spin	50	00	28
48	00	Rvb Time	Rt HC	48	00	1B
49	00	Rvb Time	Low Rt	9	00	18
4A	00	Rvb Time	Crossover	60	00	1A
4B	00	Rvb Time	Mid Rt	63	00	19
4C	00	RvbDesign	Diffusion	100	00	26
4D	01	Rvb Time	Pre Delay	0	00	1C
4E	00		Not active	0	7F	7F
4F	00	RvbDesign	Attack	100	00	27
50	00	RvbDesign	Link	1	00	29
51	00	RvbDesign	Rvb Out	15	00	2A
52	01	Rvb Time	EkoDly L	600	00	22
53	01	Rvb Time	EkoDly R	600	00	24
54	00	Rvb Time	EkoFbk L	30	00	21
55	00	Rvb Time	EkoFbk R	30	00	23
56	01	Rvb Time	RefDly L	600	00	1E
57	01	Rvb Time	RefDly R	600	00	20
58	00	Rvb Time	RefLvl L	15	00	1D
59	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 12: Band-Inv

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	29
15	01	DelayTime	Voice1	43690	00	2B
16	01	DelayTime	Voice2	43690	00	2C
17	01	DelayTime	Voice3	43690	00	2D
18	01	DelayTime	Voice4	43690	00	2E
19	00	DelayTime	Clear	1	00	2A
1A	00	Levels	Master	80	00	24
1B	00	Levels	Voice1	160	00	25
1C	00	Levels	Voice2	160	00	26
1D	00	Levels	Voice3	160	00	27
1E	00	Levels	Voice4	160	00	28
1F	00	Feedback	Master	100	00	39
20	00	Feedback	Voice1	200	00	3A
21	00	Feedback	Voice2	200	00	3B
22	00	Feedback	Voice3	200	00	3C
23	00	Feedback	Voice4	200	00	3D
24	00	Filters	Mstr HC	240	00	2F
25	00	Filters	V1 HiCut	121	00	31
26	00	Filters	V2 HiCut	121	00	33
27	00	Filters	V3 HiCut	121	00	35
28	00	Filters	V4 HiCut	121	00	37
29	00	Filters	Mstr LC	240	00	30
2A	00	Filters	V1 LoCut	121	00	32
2B	00	Filters	V2 LoCut	121	00	34
2C	00	Filters	V3 LoCut	121	00	36
2D	00	Filters	V4 LoCut	121	00	38
2E	00	Panning	Master	100	00	3E
2F	00	Panning	Voice1	100	00	3F
30	00	Panning	Voice2	100	00	40
31	00	Panning	Voice3	100	00	41
32	00	Panning	Voice4	100	00	42
33	00	Controls	FX Width	720	00	06
34	00	Controls	LvlAdjust	80	00	01
35	00	Submixer	RvbInLvl	80	00	0C
36	00	Submixer	Rvb In W	720	00	0E
37	00	Submixer	Rvb Out W	720	00	16
38	00	Submixer	RvbOutLvl	80	00	14

39	00	Submixer	RvbHiCut	121	00	10
3A	00	Submixer	RvbLoCut	121	00	12
3B	00	Submixer	RvbMix	100	00	0A
3C	00	Submixer	FX InLvl	80	00	0D
3D	00	Submixer	FX In W	720	00	0F
3E	00	Submixer	FX Out W	720	00	0F
3F	00	Submixer	FX OutLvl	80	00	15
40	00	Submixer	FX HiCut	121	00	11
41	00	Submixer	FX LoCut	121	00	13
42	00	Submixer	FX Mix	100	00	0B
43	00	Submixer	Sends	300	00	07
44	00	Submixer	Returns	300	00	08
45	00	Submixer	Routing	400	00	09
46	00		Not active	0	7F	7F
47	00	RvbDesign	Duration	112	00	21
48	00	Rvb Time	Rt HC	48	00	1B
49	00	Rvb Time	Crossover	60	00	1A
4A	00	Rvb Time	Low Slope	32	00	18
4B	00	Rvb Time	Mid Slope	32	00	19
4C	00	RvbDesign	Diffusion	100	00	22
4D	01	Rvb Time	Pre Delay	0	00	1C
4E	00		Not active	0	7F	7F
4F	00	RvbDesign	Shape	255	00	23
50	01	Rvb Time	RefDly L	400	00	1E
51	01	Rvb Time	RefDly R	400	00	20
52	00	Rvb Time	RefLvl L	15	00	1D
53	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 13: Band-Inf

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	32
15	01	DelayTime	Voice1	43690	00	34
16	01	DelayTime	Voice2	43690	00	35
17	01	DelayTime	Voice3	43690	00	36
18	01	DelayTime	Voice4	43690	00	37
19	00	DelayTime	Clear	1	00	33

1A	00	Levels	Master	80	00	2D
1B	00	Levels	Voice1	160	00	2E
1C	00	Levels	Voice2	160	00	2F
1D	00	Levels	Voice3	160	00	30
1E	00	Levels	Voice4	160	00	31
1F	00	Feedback	Master	100	00	42
20	00	Feedback	Voice1	200	00	43
21	00	Feedback	Voice2	200	00	44
22	00	Feedback	Voice3	200	00	45
23	00	Feedback	Voice4	200	00	46
24	00	Filters	Mstr HC	240	00	38
25	00	Filters	V1 HiCut	121	00	3A
26	00	Filters	V2 HiCut	121	00	3C
27	00	Filters	V3 HiCut	121	00	3E
28	00	Filters	V4 HiCut	121	00	40
29	00	Filters	Mstr LC	240	00	39
2A	00	Filters	V1 LoCut	121	00	3B
2B	00	Filters	V2 LoCut	121	00	3D
2C	00	Filters	V3 LoCut	121	00	3F
2D	00	Filters	V4 LoCut	121	00	41
2E	00	Panning	Master	100	00	47
2F	00	Panning	Voice1	100	00	48
30	00	Panning	Voice2	100	00	49
31	00	Panning	Voice3	100	00	4A
32	00	Panning	Voice4	100	00	4B
33	00	Controls	FX Width	720	00	06
34	00	Controls	LvlAdjust	80	00	01
35	00	Submixer	RvbInLvl	80	00	0C
36	00	Submixer	Rvb In W	720	00	0E
37	00	Submixer	Rvb Out W	720	00	16
38	00	Submixer	RvbOutLvl	80	00	14
39	00	Submixer	RvbHiCut	121	00	10
3A	00	Submixer	RvbLoCut	121	00	12
3B	00	Submixer	RvbMix	100	00	0A
3C	00	Submixer	FX InLvl	80	00	0D
3D	00	Submixer	FX In W	720	00	0F
3E	00	Submixer	FX Out W	720	00	17
3F	00	Submixer	FX OutLvl	80	00	15
40	00	Submixer	FX HiCut	121	00	11
41	00	Submixer	FX LoCut	121	00	13
42	00	Submixer	FX Mix	100	00	0B
43	00	Submixer	Sends	300	00	07
44	00	Submixer	Returns	300	00	08
45	00	Submixer	Routing	400	00	09
46	00	RvbDesign	Spin	50	00	2A
47	00	RvbDesign	Size	144	00	26
48	00		Not active	0	7F	7F
49	00		Not active	0	7F	7F
4A	00	Rvb Time	Rt HC	48	00	1B
4B	00	Rvb Time	Low Rt	9	00	18
4C	00	Rvb Time	Crossover	60	00	1A
4D	00	Rvb Time	Mid Rt	63	00	19
4E	00	RvbDesign	Diffusion	100	00	27
4F	01	Rvb Time	Pre Delay	465	00	1C
50	00	RvbDesign	Spread	255	00	29
51	00	RvbDesign	Shape	255	00	28
52	00	RvbDesign	Link	1	00	2B
53	00	RvbDesign	Rvb Out	15	00	2C
54	01	Rvb Time	EkoDly L	600	00	23
55	01	Rvb Time	EkoDly R	600	00	25
56	00	Rvb Time	EkoFbk L	30	00	22

57	00	Rvb Time	EkoFbk R	30	00	24
58	01	Rvb Time	RefDly L	600	00	1F
59	01	Rvb Time	RefDly R	600	00	21
5A	00	Rvb Time	RefLvl L	15	00	1E
5B	00	Rvb Time	RefLvl R	15	00	20
5C	00	Rvb Time	Infinite	1	00	1D

Algorithm 14: Band-Hall

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	2E
15	01	DelayTime	Voice1	43690	00	30
16	01	DelayTime	Voice2	43690	00	31
17	01	DelayTime	Voice3	43690	00	32
18	01	DelayTime	Voice4	43690	00	33
19	00	DelayTime	Clear	1	00	2F
1A	00	Levels	Master	80	00	29
1B	00	Levels	Voice1	160	00	2A
1C	00	Levels	Voice2	160	00	2B
1D	00	Levels	Voice3	160	00	2C
1E	00	Levels	Voice4	160	00	2D
1F	00	Feedback	Master	100	00	3E
20	00	Feedback	Voice1	200	00	3F
21	00	Feedback	Voice2	200	00	40
22	00	Feedback	Voice3	200	00	41
23	00	Feedback	Voice4	200	00	42
24	00	Filters	Mstr HC	240	00	34
25	00	Filters	V1 HiCut	121	00	36
26	00	Filters	V2 HiCut	121	00	38
27	00	Filters	V3 HiCut	121	00	3A
28	00	Filters	V4 HiCut	121	00	3C
29	00	Filters	Mstr LC	240	00	35
2A	00	Filters	V1 LoCut	121	00	37
2B	00	Filters	V2 LoCut	121	00	39
2C	00	Filters	V3 LoCut	121	00	3B
2D	00	Filters	V4 LoCut	121	00	3D
2E	00	Panning	Master	100	00	43

2F	00	Panning	Voice1	100	00	44
30	00	Panning	Voice2	100	00	45
31	00	Panning	Voice3	100	00	46
32	00	Panning	Voice4	100	00	47
33	00	Controls	FX Width	720	00	06
34	00	Controls	LvlAdjust	80	00	01
35	00	Submixer	RvbInLvl	80	00	0C
36	00	Submixer	Rvb In W	720	00	0E
37	00	Submixer	Rvb Out W	720	00	16
38	00	Submixer	RvbOutLvl	80	00	14
39	00	Submixer	RvbHiCut	121	00	10
3A	00	Submixer	RvbLoCut	121	00	12
3B	00	Submixer	RvbMix	100	00	0A
3C	00	Submixer	FX InLvl	80	00	0D
3D	00	Submixer	FX In W	720	00	0F
3E	00	Submixer	FX Out W	720	00	17
3F	00	Submixer	FX OutLvl	80	00	15
40	00	Submixer	FX HiCut	121	00	11
41	00	Submixer	FX LoCut	121	00	13
42	00	Submixer	FX Mix	100	00	0B
43	00	Submixer	Sends	300	00	07
44	00	Submixer	Returns	300	00	08
45	00	Submixer	Routing	400	00	09
46	00	RvbDesign	Diffusion	100	00	22
47	00	RvbDesign	Def	100	00	23
48	00	RvbDesign	Depth	15	00	24
49	00	RvbDesign	Size	304	00	21
4A	00	RvbDesign	Rvb Out	15	00	28
4B	01	Rvb Time	RefDly L	600	00	1E
4C	01	Rvb Time	RefDly R	600	00	20
4D	00	Rvb Time	RefLvl L	15	00	1D
4E	00	Rvb Time	RefLvl R	15	00	1F
4F	01	Rvb Time	Pre Delay	465	00	1C
50	00		Not active	0	7F	7F
51	00		Not active	0	7F	7F
52	00	Rvb Time	Rt HC	48	00	1B
53	00	Rvb Time	Low Rt	9	00	18
54	00	Rvb Time	Crossover	60	00	1A
55	00	Rvb Time	Mid Rt	63	00	19
56	00	RvbDesign	Link	1	00	27
57	00	RvbDesign	Spin	50	00	25
58	00	RvbDesign	Chorus	10	00	26

Algorithm 15: Gld-Chmb

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	Glide FX	A Lvl L	160	00	2D
15	00	Glide FX	B Lvl L	160	00	31
16	00	Glide FX	A Lvl R	160	00	2F
17	00	Glide FX	B Lvl R	160	00	33
18	00	Glide FX	Fbk L	200	00	35
19	00	Glide FX	X-Fbk L	200	00	37
1A	00	Glide FX	Fbk R	200	00	36
1B	00	Glide FX	X-Fbk R	200	00	38
1C	00	Glide FX	A Dly L	420	00	2E
1D	00	Glide FX	B Dly L	420	00	32
1E	00	Glide FX	A Dly R	420	00	30
1F	00	Glide FX	B Dly R	420	00	34
20	00	Glide FX	Gld Lvl	80	00	2C
21	00	DelayTime	Master	200	00	3E
22	01	DelayTime	Voice1		00	40
23	01	DelayTime	Voice2		00	41
24	01	DelayTime	Voice3		00	42
25	01	DelayTime	Voice4		00	43
26	00	DelayTime	Clear	1	00	3F
27	00	Levels	Master	80	00	39
28	00	Levels	Voice1	160	00	3A
29	00	Levels	Voice2	160	00	3B
2A	00	Levels	Voice3	160	00	3C
2B	00	Levels	Voice4	160	00	3D
2C	00	Feedback	Mstr Fbk	100	00	44
2D	00	Feedback	V1 Fbk	200	00	46
2E	00	Feedback	V2 Fbk	200	00	48
2F	00	Feedback	V3 Fbk	200	00	4A
30	00	Feedback	V4 Fbk	200	00	4C
31	00	Feedback	Mstr XFbk	100	00	45
32	00	Feedback	V1 X-Fbk	200	00	47
33	00	Feedback	V2 X-Fbk	200	00	49
34	00	Feedback	V3 X-Fbk	200	00	4B
35	00	Feedback	V4 X-Fbk	200	00	4D
36	00	Panning	Master	100	00	4E
37	00	Panning	Voice1	100	00	4F
38	00	Panning	Voice2	100	00	50

39	00	Panning	Voice3	100	00	51
3A	00	Panning	Voice4	100	00	52
3B	00	Controls	FX Width	720	00	06
3C	00	Controls	LvlAdjust	80	00	01
3D	00	Submixer	RvbInLvl	80	00	0C
3E	00	Submixer	Rvb In W	720	00	0E
3F	00	Submixer	Rvb Out W	720	00	16
40	00	Submixer	RvbOutLvl	80	00	14
41	00	Submixer	RvbHiCut	121	00	10
42	00	Submixer	RvbLoCut	121	00	12
43	00	Submixer	RvbMix	100	00	0A
44	00	Submixer	FX InLvl	80	00	0D
45	00	Submixer	FX In W	720	00	0F
46	00	Submixer	FX Out W	720	00	17
47	00	Submixer	FX OutLvl	80	00	15
48	00	Submixer	FX HiCut	121	00	11
49	00	Submixer	FX LoCut	121	00	13
4A	00	Submixer	FX Mix	100	00	0B
4B	00	Submixer	Sends	300	00	07
4C	00	Submixer	Returns	300	00	08
4D	00	Submixer	Routing	400	00	09
4E	00	RvbDesign	Size	144	00	25
4F	00	RvbDesign	Spin	50	00	29
50	00	Rvb Time	Rt HC	48	00	1B
51	00	Rvb Time	Low Rt	9	00	18
52	00	Rvb Time	Crossover	60	00	1A
53	00	Rvb Time	Mid Rt	63	00	19
54	00	RvbDesign	Diffusion	100	00	26
55	01	Rvb Time	Pre Delay	465	00	1C
56	00	RvbDesign	Spread	255	00	28
57	00	RvbDesign	Shape	255	00	27
58	00	RvbDesign	Link	1	00	2A
59	00	RvbDesign	Rvb Out	15	00	2B
5A	01	Rvb Time	EkoDly L	600	00	22
5B	01	Rvb Time	EkoDly R	600	00	24
5C	00	Rvb Time	EkoFbk L	30	00	21
5D	00	Rvb Time	EkoFbk R	30	00	23
5E	01	Rvb Time	RefDly L	600	00	1E
5F	01	Rvb Time	RefDly R	600	00	20
60	00	Rvb Time	RefLvl L	15	00	1D
61	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 16: Gld-Plt

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	Glide FX	A Lvl L	160	00	2C
15	00	Glide FX	B Lvl L	160	00	30
16	00	Glide FX	A Lvl R	160	00	2E
17	00	Glide FX	B Lvl R	160	00	32
18	00	Glide FX	Fbk L	200	00	34
19	00	Glide FX	X-Fbk L	200	00	36
1A	00	Glide FX	Fbk R	200	00	35
1B	00	Glide FX	X-Fbk R	200	00	37
1C	00	Glide FX	A Dly L	420	00	2D
1D	00	Glide FX	B Dly L	420	00	31
1E	00	Glide FX	A Dly R	420	00	2F
1F	00	Glide FX	B Dly R	420	00	33
20	00	Glide FX	Gld Lvl	80	00	2B
21	00	DelayTime	Master	200	00	3D
22	01	DelayTime	Voice1		00	3F
23	01	DelayTime	Voice2		00	40
24	01	DelayTime	Voice3		00	41
25	01	DelayTime	Voice4		00	42
26	00	DelayTime	Clear	1	00	3E
27	00	Levels	Master	80	00	38
28	00	Levels	Voice1	160	00	39
29	00	Levels	Voice2	160	00	3A
2A	00	Levels	Voice3	160	00	3B
2B	00	Levels	Voice4	160	00	3C
2C	00	Feedback	Mstr Fbk	100	00	43
2D	00	Feedback	V1 Fbk	200	00	45
2E	00	Feedback	V2 Fbk	200	00	47
2F	00	Feedback	V3 Fbk	200	00	49
30	00	Feedback	V4 Fbk	200	00	4B
31	00	Feedback	Mstr XFbk	100	00	44
32	00	Feedback	V1 X-Fbk	200	00	46
33	00	Feedback	V2 X-Fbk	200	00	48
34	00	Feedback	V3 X-Fbk	200	00	4A
35	00	Feedback	V4 X-Fbk	200	00	4C
36	00	Panning	Master	100	00	4D
37	00	Panning	Voice1	100	00	4E
38	00	Panning	Voice2	100	00	4F

39	00	Panning	Voice3	100	00	50
3A	00	Panning	Voice4	100	00	51
3B	00	Controls	FX Width	720	00	06
3C	00	Controls	LvlAdjust	80	00	01
3D	00	Submixer	RvbInLvl	80	00	0C
3E	00	Submixer	Rvb In W	720	00	0E
3F	00	Submixer	Rvb Out W	720	00	16
40	00	Submixer	RvbOutLvl	80	00	14
41	00	Submixer	RvbHiCut	121	00	10
42	00	Submixer	RvbLoCut	121	00	12
43	00	Submixer	RvbMix	100	00	0A
44	00	Submixer	FX InLvl	80	00	0D
45	00	Submixer	FX In W	720	00	0F
46	00	Submixer	FX Out W	720	00	17
47	00	Submixer	FX OutLvl	80	00	15
48	00	Submixer	FX HiCut	121	00	11
49	00	Submixer	FX LoCut	121	00	13
4A	00	Submixer	FX Mix	100	00	0B
4B	00	Submixer	Sends	300	00	07
4C	00	Submixer	Returns	300	00	08
4D	00	Submixer	Routing	400	00	09
4E	00	RvbDesign	Size	144	00	25
4F	00	RvbDesign	Spin	50	00	28
50	00	Rvb Time	Rt HC	48	00	1B
51	00	Rvb Time	Low Rt	9	00	18
52	00	Rvb Time	Crossover	60	00	1A
53	00	Rvb Time	Mid Rt	63	00	19
54	00	RvbDesign	Diffusion	100	00	26
55	01	Rvb Time	Pre Delay	0	00	1C
56	00		Not active	100	7F	7F
57	00	RvbDesign	Attack	100	00	27
58	00	RvbDesign	Link	1	00	29
59	00	RvbDesign	Rvb Out	15	00	2A
5A	01	Rvb Time	EkoDly L	600	00	22
5B	01	Rvb Time	EkoDly R	600	00	24
5C	00	Rvb Time	EkoFbk L	30	00	21
5D	00	Rvb Time	EkoFbk R	30	00	23
5E	01	Rvb Time	RefDly L	600	00	1E
5F	01	Rvb Time	RefDly R	600	00	20
60	00	Rvb Time	RefLvl L	15	00	1D
61	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 17: Gld-Inv

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	Glide FX	A Lvl L	160	00	25
15	00	Glide FX	B Lvl L	160	00	29
16	00	Glide FX	A Lvl R	160	00	27
17	00	Glide FX	B Lvl R	160	00	2B
18	00	Glide FX	Fbk L	200	00	2D
19	00	Glide FX	X-Fbk L	200	00	2F
1A	00	Glide FX	Fbk R	200	00	2E
1B	00	Glide FX	X-Fbk R	200	00	30
1C	00	Glide FX	A Dly L	420	00	26
1D	00	Glide FX	B Dly L	420	00	2A
1E	00	Glide FX	A Dly R	420	00	28
1F	00	Glide FX	B Dly R	420	00	2C
20	00	Glide FX	Gld Lvl	80	00	24
21	00	DelayTime	Master	200	00	36
22	01	DelayTime	Voice1		00	38
23	01	DelayTime	Voice2		00	39
24	01	DelayTime	Voice3		00	3A
25	01	DelayTime	Voice4		00	3B
26	00	DelayTime	Clear	1	00	37
27	00	Levels	Master	80	00	31
28	00	Levels	Voice1	160	00	32
29	00	Levels	Voice2	160	00	33
2A	00	Levels	Voice3	160	00	34
2B	00	Levels	Voice4	160	00	35
2C	00	Feedback	Mstr Fbk	100	00	3C
2D	00	Feedback	V1 Fbk	200	00	3E
2E	00	Feedback	V2 Fbk	200	00	40
2F	00	Feedback	V3 Fbk	200	00	42
30	00	Feedback	V4 Fbk	200	00	44
31	00	Feedback	Mstr XFbk	100	00	3D
32	00	Feedback	V1 X-Fbk	200	00	3F
33	00	Feedback	V2 X-Fbk	200	00	41
34	00	Feedback	V3 X-Fbk	200	00	43
35	00	Feedback	V4 X-Fbk	200	00	45
36	00	Panning	Master	100	00	46
37	00	Panning	Voice1	100	00	47
38	00	Panning	Voice2	100	00	48

39	00	Panning	Voice3	100	00	49
3A	00	Panning	Voice4	100	00	4A
3B	00	Controls	FX Width	720	00	06
3C	00	Controls	LvlAdjust	80	00	01
3D	00	Submixer	RvbInLvl	80	00	0C
3E	00	Submixer	Rvb In W	720	00	0E
3F	00	Submixer	Rvb Out W	720	00	16
40	00	Submixer	RvbOutLvl	80	00	14
41	00	Submixer	RvbHiCut	121	00	10
42	00	Submixer	RvbLoCut	121	00	12
43	00	Submixer	RvbMix	100	00	0A
44	00	Submixer	FX InLvl	80	00	0D
45	00	Submixer	FX In W	720	00	0F
46	00	Submixer	FX Out W	720	00	17
47	00	Submixer	FX OutLvl	80	00	15
48	00	Submixer	FX HiCut	121	00	11
49	00	Submixer	FX LoCut	121	00	13
4A	00	Submixer	FX Mix	100	00	0B
4B	00	Submixer	Sends	300	00	07
4C	00	Submixer	Returns	300	00	08
4D	00	Submixer	Routing	400	00	09
4E	00		Not active	0	7F	7F
4F	00	RvbDesign	Duration	112	00	21
50	00	Rvb Time	Rt HC	48	00	1B
51	00	Rvb Time	Crossover	60	00	1A
52	00	Rvb Time	Low Slope	32	00	18
53	00	Rvb Time	Mid Slope	32	00	19
54	00	RvbDesign	Diffusion	100	00	22
55	01	Rvb Time	Pre Delay	0	00	1C
56	00		Not active	0	7F	7F
57	00	RvbDesign	Shape	255	00	23
58	01	Rvb Time	RefDly L	400	00	1E
59	01	Rvb Time	RefDly R	400	00	20
5A	00	Rvb Time	RefLvl L	15	00	1D
5B	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 18: Gld-Inf

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02

12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	Glide FX	A Lvl L	160	00	2E
15	00	Glide FX	B Lvl L	160	00	32
16	00	Glide FX	A Lvl R	160	00	30
17	00	Glide FX	B Lvl R	160	00	34
18	00	Glide FX	Fbk L	200	00	36
19	00	Glide FX	X-Fbk L	200	00	38
1A	00	Glide FX	Fbk R	200	00	37
1B	00	Glide FX	X-Fbk R	200	00	39
1C	00	Glide FX	A Dly L	420	00	2F
1D	00	Glide FX	B Dly L	420	00	33
1E	00	Glide FX	A Dly R	420	00	31
1F	00	Glide FX	B Dly R	420	00	35
20	00	Glide FX	Gld Lvl	80	00	2D
21	00	DelayTime	Master	200	00	3F
22	01	DelayTime	Voice1		00	41
23	01	DelayTime	Voice2		00	42
24	01	DelayTime	Voice3		00	43
25	01	DelayTime	Voice4		00	44
26	00	DelayTime	Clear	1	00	40
27	00	Levels	Master	80	00	3A
28	00	Levels	Voice1	160	00	3B
29	00	Levels	Voice2	160	00	3C
2A	00	Levels	Voice3	160	00	3D
2B	00	Levels	Voice4	160	00	3E
2C	00	Feedback	Mstr Fbk	100	00	45
2D	00	Feedback	V1 Fbk	200	00	47
2E	00	Feedback	V2 Fbk	200	00	49
2F	00	Feedback	V3 Fbk	200	00	4B
30	00	Feedback	V4 Fbk	200	00	4D
31	00	Feedback	Mstr XFbk	100	00	46
32	00	Feedback	V1 X-Fbk	200	00	48
33	00	Feedback	V2 X-Fbk	200	00	4A
34	00	Feedback	V3 X-Fbk	200	00	4C
35	00	Feedback	V4 X-Fbk	200	00	4E
36	00	Panning	Master	100	00	4F
37	00	Panning	Voice1	100	00	50
38	00	Panning	Voice2	100	00	51
39	00	Panning	Voice3	100	00	52
3A	00	Panning	Voice4	100	00	53
3B	00	Controls	FX Width	720	00	06
3C	00	Controls	LvlAdjust	80	00	01
3D	00	Submixer	RvbInLvl	80	00	0C
3E	00	Submixer	Rvb In W	720	00	0E
3F	00	Submixer	Rvb Out W	720	00	16
40	00	Submixer	RvbOutLvl	80	00	14
41	00	Submixer	RvbHiCut	121	00	10
42	00	Submixer	RvbLoCut	121	00	12
43	00	Submixer	RvbMix	100	00	0A
44	00	Submixer	FX InLvl	80	00	0D
45	00	Submixer	FX In W	720	00	0F
46	00	Submixer	FX Out W	720	00	17
47	00	Submixer	FX OutLvl	80	00	15
48	00	Submixer	FX HiCut	121	00	11
49	00	Submixer	FX LoCut	121	00	13
4A	00	Submixer	FX Mix	100	00	0B
4B	00	Submixer	Sends	300	00	07
4C	00	Submixer	Returns	300	00	08
4D	00	Submixer	Routing	400	00	09

4E	00	RvbDesign	Spin	50	00	2A
4F	00	RvbDesign	Size	144	00	26
50	00		Not active	0	7F	7F
51	00		Not active	0	7F	7F
52	00	Rvb Time	Rt HC	48	00	1B
53	00	Rvb Time	Low Rt	9	00	18
54	00	Rvb Time	Crossover	60	00	1A
55	00	Rvb Time	Mid Rt	63	00	19
56	00	RvbDesign	Diffusion	100	00	27
57	01	Rvb Time	Pre Delay	465	00	1C
58	00	RvbDesign	Spread	255	00	29
59	00	RvbDesign	Shape	255	00	28
5A	00	RvbDesign	Link	1	00	2B
5B	00	RvbDesign	Rvb Out	15	00	2C
5C	01	Rvb Time	EkoDly L	600	00	23
5D	01	Rvb Time	EkoDly R	600	00	25
5E	00	Rvb Time	EkoFbk L	30	00	22
5F	00	Rvb Time	EkoFbk R	30	00	24
60	01	Rvb Time	RefDly L	600	00	1F
61	01	Rvb Time	RefDly R	600	00	21
62	00	Rvb Time	RefLvl L	15	00	1E
63	00	Rvb Time	RefLvl R	15	00	20
64	00	Rvb Time	Infinite	1	00	1D

Algorithm 19: Gld-Hall

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	Glide FX	A Lvl L	160	00	2A
15	00	Glide FX	B Lvl L	160	00	2E
16	00	Glide FX	A Lvl R	160	00	2C
17	00	Glide FX	B Lvl R	160	00	30
18	00	Glide FX	Fbk L	200	00	32
19	00	Glide FX	X-Fbk L	200	00	34
1A	00	Glide FX	Fbk R	200	00	33
1B	00	Glide FX	X-Fbk R	200	00	35
1C	00	Glide FX	A Dly L	420	00	2B
1D	00	Glide FX	B Dly L	420	00	2F

1E	00	Glide FX	A Dly R	420	00	2D
1F	00	Glide FX	B Dly R	420	00	31
20	00	Glide FX	Gld Lvl	80	00	29
21	00	DelayTime	Master	200	00	3B
22	01	DelayTime	Voice1		00	3D
23	01	DelayTime	Voice2		00	3E
24	01	DelayTime	Voice3		00	3F
25	01	DelayTime	Voice4		00	40
26	00	DelayTime	Clear	1	00	3C
27	00	Levels	Master	80	00	36
28	00	Levels	Voice1	160	00	37
29	00	Levels	Voice2	160	00	38
2A	00	Levels	Voice3	160	00	39
2B	00	Levels	Voice4	160	00	3A
2C	00	Feedback	Mstr Fbk	100	00	41
2D	00	Feedback	V1 Fbk	200	00	43
2E	00	Feedback	V2 Fbk	200	00	45
2F	00	Feedback	V3 Fbk	200	00	47
30	00	Feedback	V4 Fbk	200	00	49
31	00	Feedback	Mstr XFbk	100	00	42
32	00	Feedback	V1 X-Fbk	200	00	44
33	00	Feedback	V2 X-Fbk	200	00	46
34	00	Feedback	V3 X-Fbk	200	00	48
35	00	Feedback	V4 X-Fbk	200	00	4A
36	00	Panning	Master	100	00	4B
37	00	Panning	Voice1	100	00	4C
38	00	Panning	Voice2	100	00	4D
39	00	Panning	Voice3	100	00	4E
3A	00	Panning	Voice4	100	00	4F
3B	00	Controls	FX Width	720	00	06
3C	00	Controls	LvlAdjust	80	00	01
3D	00	Submixer	RvbInLvl	80	00	0C
3E	00	Submixer	Rvb In W	720	00	0E
3F	00	Submixer	Rvb Out W	720	00	16
40	00	Submixer	RvbOutLvl	80	00	14
41	00	Submixer	RvbHiCut	121	00	10
42	00	Submixer	RvbLoCut	121	00	12
43	00	Submixer	RvbMix	100	00	0A
44	00	Submixer	FX InLvl	80	00	0D
45	00	Submixer	FX In W	720	00	0F
46	00	Submixer	FX Out W	720	00	17
47	00	Submixer	FX OutLvl	80	00	15
48	00	Submixer	FX HiCut	121	00	11
49	00	Submixer	FX LoCut	121	00	13
4A	00	Submixer	FX Mix	100	00	0B
4B	00	Submixer	Sends	300	00	07
4C	00	Submixer	Returns	300	00	08
4D	00	Submixer	Routing	400	00	09
4E	00	RvbDesign	Diffusion	100	00	22
4F	00	RvbDesign	Def	100	00	23
50	00	RvbDesign	Depth	15	00	24
51	00	RvbDesign	Size	304	00	21
52	00	RvbDesign	Rvb Out	15	00	28
53	01	Rvb Time	RefDly L	600	00	1E
54	01	Rvb Time	RefDly R	600	00	20
55	00	Rvb Time	RefLvl L	15	00	1D
56	00	Rvb Time	RefLvl R	15	00	1F
57	01	Rvb Time	Pre Delay	465	00	1C
58	00		Not active	0	7F	7F
59	00		Not active	0	7F	7F

5A	00	Rvb Time	Rt HC	48	00	1B
5B	00	Rvb Time	Low Rt	9	00	18
5C	00	Rvb Time	Crossover	60	00	1A
5D	00	Rvb Time	Mid Rt	63	00	19
5E	00	RvbDesign	Link	1	00	27
5F	00	RvbDesign	Spin	50	00	25
60	00	RvbDesign	Chorus	10	00	26

Algorithm 20: Chrs-Chmb

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00		Not active	0	7F	7F
15	00	DelayTime	Master	200	00	31
16	01	DelayTime	Voice1	1365	00	35
17	01	DelayTime	Voice2	1365	00	36
18	01	DelayTime	Voice3	1365	00	37
19	01	DelayTime	Voice4	1365	00	38
1A	00	DelayTime	Clear	1	00	34
1B	00	DelayTime	GldResp	100	00	32
1C	00	DelayTime	GldRange	1365	00	33
1D	00	Chorus	MstDepth	200	00	39
1E	00	Chorus	V1 Depth	500	00	3B
1F	00	Chorus	V2 Depth	500	00	3D
20	00	Chorus	V3 Depth	500	00	3F
21	00	Chorus	V4 Depth	500	00	41
22	00	Chorus	MstRate	200	00	3A
23	00	Chorus	V1 Rate	100	00	3C
24	00	Chorus	V2 Rate	100	00	3E
25	00	Chorus	V3 Rate	100	00	40
26	00	Chorus	V4 Rate	100	00	42
27	00	Levels	Master	80	00	2C
28	00	Levels	Voice1	160	00	2D
29	00	Levels	Voice2	160	00	2E
2A	00	Levels	Voice3	160	00	2F
2B	00	Levels	Voice4	160	00	30
2C	00	Feedback	Master	100	00	43
2D	00	Feedback	Voice1	200	00	44

2E	00	Feedback	Voice2	200	00	45
2F	00	Feedback	Voice3	200	00	46
30	00	Feedback	Voice4	200	00	47
31	00	Panning	Master	100	00	48
32	00	Panning	Voice1	100	00	49
33	00	Panning	Voice2	100	00	4A
34	00	Panning	Voice3	100	00	4B
35	00	Panning	Voice4	100	00	4C
36	00	Controls	FX Width	720	00	06
37	00	Controls	LvlAdjust	80	00	01
38	00	Submixer	RvbInLvl	80	00	0C
39	00	Submixer	Rvb In W	720	00	0E
3A	00	Submixer	Rvb Out W	720	00	16
3B	00	Submixer	RvbOutLvl	80	00	14
3C	00	Submixer	RvbHiCut	121	00	10
3D	00	Submixer	RvbLoCut	121	00	12
3E	00	Submixer	RvbMix	100	00	0A
3F	00	Submixer	FX InLvl	80	00	0D
40	00	Submixer	FX In W	720	00	0F
41	00	Submixer	FX Out W	720	00	17
42	00	Submixer	FX OutLvl	80	00	15
43	00	Submixer	FX HiCut	121	00	11
44	00	Submixer	FX LoCut	121	00	13
45	00	Submixer	FX Mix	100	00	0B
46	00	Submixer	Sends	300	00	07
47	00	Submixer	Returns	300	00	08
48	00	Submixer	Routing	400	00	09
49	00	RvbDesign	Size	144	00	25
4A	00	RvbDesign	Spin	50	00	29
4B	00	Rvb Time	Rt HC	48	00	1B
4C	00	Rvb Time	Low Rt	9	00	18
4D	00	Rvb Time	Crossover	60	00	1A
4E	00	Rvb Time	Mid Rt	63	00	19
4F	00	RvbDesign	Diffusion	100	00	26
50	01	Rvb Time	Pre Delay	465	00	1C
51	00	RvbDesign	Spread	255	00	28
52	00	RvbDesign	Shape	255	00	27
53	00	RvbDesign	Link	1	00	2A
54	00	RvbDesign	Rvb Out	15	00	2B
55	01	Rvb Time	EkoDly L	600	00	22
56	01	Rvb Time	EkoDly R	600	00	24
57	00	Rvb Time	EkoFbk L	30	00	21
58	00	Rvb Time	EkoFbk R	30	00	23
59	01	Rvb Time	RefDly L	600	00	1E
5A	01	Rvb Time	RefDly R	600	00	20
5B	00	Rvb Time	RefLvl L	15	00	1D
5C	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 21: Chrs-Pit

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00		Not active	0	7F	7F
15	00	DelayTime	Master	200	00	30
16	01	DelayTime	Voice1	1365	00	34
17	01	DelayTime	Voice2	1365	00	35
18	01	DelayTime	Voice3	1365	00	36
19	01	DelayTime	Voice4	1365	00	37
1A	00	DelayTime	Clear	1	00	33
1B	00	DelayTime	GldResp	100	00	31
1C	00	DelayTime	GldRange	1365	00	32
1D	00	Chorus	MstDepth	200	00	38
1E	00	Chorus	V1 Depth	500	00	3A
1F	00	Chorus	V2 Depth	500	00	3C
20	00	Chorus	V3 Depth	500	00	3E
21	00	Chorus	V4 Depth	500	00	40
22	00	Chorus	MstRate	200	00	39
23	00	Chorus	V1 Rate	100	00	3B
24	00	Chorus	V2 Rate	100	00	3D
25	00	Chorus	V3 Rate	100	00	3F
26	00	Chorus	V4 Rate	100	00	41
27	00	Levels	Master	80	00	2B
28	00	Levels	Voice1	160	00	2C
29	00	Levels	Voice2	160	00	2D
2A	00	Levels	Voice3	160	00	2E
2B	00	Levels	Voice4	160	00	2F
2C	00	Feedback	Master	100	00	42
2D	00	Feedback	Voice1	200	00	43
2E	00	Feedback	Voice2	200	00	44
2F	00	Feedback	Voice3	200	00	45
30	00	Feedback	Voice4	200	00	46
31	00	Panning	Master	100	00	47
32	00	Panning	Voice1	100	00	48
33	00	Panning	Voice2	100	00	49
34	00	Panning	Voice3	100	00	4A
35	00	Panning	Voice4	100	00	4B
36	00	Controls	FX Width	720	00	06
37	00	Controls	LvlAdjust	80	00	01
38	00	Submixer	RvbInLvl	80	00	0C

39	00	Submixer	Rvb In W	720	00	0E
3A	00	Submixer	Rvb Out W	720	00	16
3B	00	Submixer	RvbOutLvl	80	00	14
3C	00	Submixer	RvbHiCut	121	00	10
3D	00	Submixer	RvbLoCut	121	00	12
3E	00	Submixer	RvbMix	100	00	0A
3F	00	Submixer	FX InLvl	80	00	0D
40	00	Submixer	FX In W	720	00	0F
41	00	Submixer	FX Out W	720	00	17
42	00	Submixer	FX OutLvl	80	00	15
43	00	Submixer	FX HiCut	121	00	11
44	00	Submixer	FX LoCut	121	00	13
45	00	Submixer	FX Mix	100	00	0B
46	00	Submixer	Sends	300	00	07
47	00	Submixer	Returns	300	00	08
48	00	Submixer	Routing	400	00	09
49	00	RvbDesign	Size	144	00	25
4A	00	RvbDesign	Spin	50	00	28
4B	00	Rvb Time	Rt HC	48	00	1B
4C	00	Rvb Time	Low Rt	9	00	18
4D	00	Rvb Time	Crossover	60	00	1A
4E	00	Rvb Time	Mid Rt	63	00	19
4F	00	RvbDesign	Diffusion	100	00	26
50	01	Rvb Time	Pre Delay	0	00	1C
51	00		Not active	0	7F	7F
52	00	RvbDesign	Attack	100	00	27
53	00	RvbDesign	Link	1	00	29
54	00	RvbDesign	Rvb Out	15	00	2A
55	01	Rvb Time	EkoDly L	600	00	22
56	01	Rvb Time	EkoDly R	600	00	24
57	00	Rvb Time	EkoFbk L	30	00	21
58	00	Rvb Time	EkoFbk R	30	00	23
59	01	Rvb Time	RefDly L	600	00	1E
5A	01	Rvb Time	RefDly R	600	00	20
5B	00	Rvb Time	RefLvl L	15	00	1D
5C	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 22: Chrs-Inv

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03

11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00		Not active	0	7F	7F
15	00	DelayTime	Master	200	00	29
16	01	DelayTime	Voice1	1365	00	2D
17	01	DelayTime	Voice2	1365	00	2E
18	01	DelayTime	Voice3	1365	00	2F
19	01	DelayTime	Voice4	1365	00	30
1A	00	DelayTime	Clear	1	00	2C
1B	00	DelayTime	GldResp	100	00	2A
1C	00	DelayTime	GldRange	1365	00	2B
1D	00	Chorus	MstDepth	200	00	31
1E	00	Chorus	V1 Depth	500	00	33
1F	00	Chorus	V2 Depth	500	00	35
20	00	Chorus	V3 Depth	500	00	37
21	00	Chorus	V4 Depth	500	00	39
22	00	Chorus	MstRate	200	00	32
23	00	Chorus	V1 Rate	100	00	34
24	00	Chorus	V2 Rate	100	00	36
25	00	Chorus	V3 Rate	100	00	38
26	00	Chorus	V4 Rate	100	00	3A
27	00	Levels	Master	80	00	24
28	00	Levels	Voice1	160	00	25
29	00	Levels	Voice2	160	00	26
2A	00	Levels	Voice3	160	00	27
2B	00	Levels	Voice4	160	00	28
2C	00	Feedback	Master	100	00	3B
2D	00	Feedback	Voice1	200	00	3C
2E	00	Feedback	Voice2	200	00	3D
2F	00	Feedback	Voice3	200	00	3E
30	00	Feedback	Voice4	200	00	3F
31	00	Panning	Master	100	00	40
32	00	Panning	Voice1	100	00	41
33	00	Panning	Voice2	100	00	42
34	00	Panning	Voice3	100	00	43
35	00	Panning	Voice4	100	00	44
36	00	Controls	FX Width	720	00	06
37	00	Controls	LvlAdjust	80	00	01
38	00	Submixer	RvbInLvl	80	00	0C
39	00	Submixer	Rvb In W	720	00	0E
3A	00	Submixer	Rvb Out W	720	00	16
3B	00	Submixer	RvbOutLvl	80	00	14
3C	00	Submixer	RvbHiCut	121	00	10
3D	00	Submixer	RvbLoCut	121	00	12
3E	00	Submixer	RvbMix	100	00	0A
3F	00	Submixer	FX InLvl	80	00	0D
40	00	Submixer	FX In W	720	00	0F
41	00	Submixer	FX Out W	720	00	17
42	00	Submixer	FX OutLvl	80	00	15
43	00	Submixer	FX HiCut	121	00	11
44	00	Submixer	FX LoCut	121	00	13
45	00	Submixer	FX Mix	100	00	0B
46	00	Submixer	Sends	300	00	07
47	00	Submixer	Returns	300	00	08
48	00	Submixer	Routing	400	00	09
49	00		Not active	0	7F	7F
4A	00	RvbDesign	Duration	112	00	21
4B	00	Rvb Time	Rt HC	48	00	1B
4C	00	Rvb Time	Crossover	60	00	1A
4D	00	Rvb Time	Low Slope	32	00	18

4E	00	Rvb Time	Mid Slope	32	00	19
4F	00	RvbDesign	Diffusion	100	00	22
50	01	Rvb Time	Pre Delay	0	00	1C
51	00		Not active	0	7F	7F
52	00	RvbDesign	Shape	255	00	23
53	01	Rvb Time	RefDly L	400	00	1E
54	01	Rvb Time	RefDly R	400	00	20
55	00	Rvb Time	RefLvl L	15	00	1D
56	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 23: Chrs-Inf

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00		Not active	0	7F	7F
15	00	DelayTime	Master	200	00	32
16	01	DelayTime	Voice1	1365	00	36
17	01	DelayTime	Voice2	1365	00	37
18	01	DelayTime	Voice3	1365	00	38
19	01	DelayTime	Voice4	1365	00	39
1A	00	DelayTime	Clear	1	00	35
1B	00	DelayTime	GldResp	100	00	33
1C	00	DelayTime	GldRange	1365	00	34
1D	00	Chorus	MstDepth	200	00	3A
1E	00	Chorus	V1 Depth	500	00	3C
1F	00	Chorus	V2 Depth	500	00	3E
20	00	Chorus	V3 Depth	500	00	40
21	00	Chorus	V4 Depth	500	00	42
22	00	Chorus	MstRate	200	00	3B
23	00	Chorus	V1 Rate	100	00	3D
24	00	Chorus	V2 Rate	100	00	3F
25	00	Chorus	V3 Rate	100	00	41
26	00	Chorus	V4 Rate	100	00	43
27	00	Levels	Master	80	00	2D
28	00	Levels	Voice1	160	00	2E
29	00	Levels	Voice2	160	00	2F
2A	00	Levels	Voice3	160	00	30
2B	00	Levels	Voice4	160	00	31
2C	00	Feedback	Master	100	00	44

2D	00	Feedback	Voice1	200	00	45
2E	00	Feedback	Voice2	200	00	46
2F	00	Feedback	Voice3	200	00	47
30	00	Feedback	Voice4	200	00	48
31	00	Panning	Master	100	00	49
32	00	Panning	Voice1	100	00	4A
33	00	Panning	Voice2	100	00	4B
34	00	Panning	Voice3	100	00	4C
35	00	Panning	Voice4	100	00	4D
36	00	Controls	FX Width	720	00	06
37	00	Controls	LvlAdjust	80	00	01
38	00	Submixer	RvbInLvl	80	00	0C
39	00	Submixer	Rvb In W	720	00	0E
3A	00	Submixer	Rvb Out W	720	00	16
3B	00	Submixer	RvbOutLvl	80	00	14
3C	00	Submixer	RvbHiCut	121	00	10
3D	00	Submixer	RvbLoCut	121	00	12
3E	00	Submixer	RvbMix	100	00	0A
3F	00	Submixer	FX InLvl	80	00	0D
40	00	Submixer	FX In W	720	00	0F
41	00	Submixer	FX Out W	720	00	17
42	00	Submixer	FX OutLvl	80	00	15
43	00	Submixer	FX HiCut	121	00	11
44	00	Submixer	FX LoCut	121	00	13
45	00	Submixer	FX Mix	100	00	0B
46	00	Submixer	Sends	300	00	07
47	00	Submixer	Returns	300	00	08
48	00	Submixer	Routing	400	00	09
49	00	RvbDesign	Spin	50	00	2A
4A	00	RvbDesign	Size	144	00	26
4B	00		Not active	0	7F	7F
4C	00		Not active	0	7F	7F
4D	00	Rvb Time	Rt HC	48	00	1B
4E	00	Rvb Time	Low Rt	9	00	18
4F	00	Rvb Time	Crossover	60	00	1A
50	00	Rvb Time	Mid Rt	63	00	19
51	00	RvbDesign	Diffusion	100	00	27
52	01	Rvb Time	Pre Delay	465	00	1C
53	00	RvbDesign	Spread	255	00	29
54	00	RvbDesign	Shape	255	00	28
55	00	RvbDesign	Link	1	00	2B
56	00	RvbDesign	Rvb Out	15	00	2C
57	01	Rvb Time	EkoDly L	600	00	23
58	01	Rvb Time	EkoDly R	600	00	25
59	00	Rvb Time	EkoFbk L	30	00	22
5A	00	Rvb Time	EkoFbk R	30	00	24
5B	01	Rvb Time	RefDly L	600	00	1F
5C	01	Rvb Time	RefDly R	600	00	21
5D	00	Rvb Time	RefLvl L	15	00	1E
5E	00	Rvb Time	RefLvl R	15	00	20
5F	00	Rvb Time	Infinite	1	00	1D

Algorithm 24: Chrs-Hall

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00		Not active	0	7F	7F
15	00	DelayTime	Master	200	00	2E
16	01	DelayTime	Voice1	1365	00	32
17	01	DelayTime	Voice2	1365	00	33
18	01	DelayTime	Voice3	1365	00	34
19	01	DelayTime	Voice4	1365	00	35
1A	00	DelayTime	Clear	1	00	31
1B	00	DelayTime	GldResp	100	00	2F
1C	00	DelayTime	GldRange	1365	00	30
1D	00	Chorus	MstDepth	200	00	36
1E	00	Chorus	V1 Depth	500	00	38
1F	00	Chorus	V2 Depth	500	00	3A
20	00	Chorus	V3 Depth	500	00	3C
21	00	Chorus	V4 Depth	500	00	3E
22	00	Chorus	MstRate	200	00	37
23	00	Chorus	V1 Rate	100	00	39
24	00	Chorus	V2 Rate	100	00	3B
25	00	Chorus	V3 Rate	100	00	3D
26	00	Chorus	V4 Rate	100	00	3F
27	00	Levels	Master	80	00	29
28	00	Levels	Voice1	160	00	2A
29	00	Levels	Voice2	160	00	2B
2A	00	Levels	Voice3	160	00	2C
2B	00	Levels	Voice4	160	00	2D
2C	00	Feedback	Master	100	00	40
2D	00	Feedback	Voice1	200	00	41
2E	00	Feedback	Voice2	200	00	42
2F	00	Feedback	Voice3	200	00	43
30	00	Feedback	Voice4	200	00	44
31	00	Panning	Master	100	00	45
32	00	Panning	Voice1	100	00	46
33	00	Panning	Voice2	100	00	47
34	00	Panning	Voice3	100	00	48
35	00	Panning	Voice4	100	00	49
36	00	Controls	FX Width	720	00	06
37	00	Controls	LvlAdjust	80	00	01
38	00	Submixer	RvbInLvl	80	00	0C

39	00	Submixer	Rvb In W	720	00	0E
3A	00	Submixer	Rvb Out W	720	00	16
3B	00	Submixer	RvbOutLvl	80	00	14
3C	00	Submixer	RvbHiCut	121	00	10
3D	00	Submixer	RvbLoCut	121	00	12
3E	00	Submixer	RvbMix	100	00	0A
3F	00	Submixer	FX InLvl	80	00	0D
40	00	Submixer	FX In W	720	00	0F
41	00	Submixer	FX Out W	720	00	17
42	00	Submixer	FX OutLvl	80	00	15
43	00	Submixer	FX HiCut	121	00	11
44	00	Submixer	FX LoCut	121	00	13
45	00	Submixer	FX Mix	100	00	0B
46	00	Submixer	Sends	300	00	07
47	00	Submixer	Returns	300	00	08
48	00	Submixer	Routing	400	00	09
49	00	RvbDesign	Diffusion	100	00	22
4A	00	RvbDesign	Def	100	00	23
4B	00	RvbDesign	Depth	15	00	24
4C	00	RvbDesign	Size	304	00	21
4D	00	RvbDesign	Rvb Out	15	00	28
4E	01	Rvb Time	RefDly L	600	00	1E
4F	01	Rvb Time	RefDly R	600	00	20
50	00	Rvb Time	RefLvl L	15	00	1D
51	00	Rvb Time	RefLvl R	15	00	1F
52	01	Rvb Time	Pre Delay	465	00	1C
53	00		Not active	0	7F	7F
54	00		Not active	0	7F	7F
55	00	Rvb Time	Rt HC	48	00	1B
56	00	Rvb Time	Low Rt	9	00	18
57	00	Rvb Time	Crossover	60	00	1A
58	00	Rvb Time	Mid Rt	63	00	19
59	00	RvbDesign	Link	1	00	27
5A	00	RvbDesign	Spin	50	00	25
5B	00	RvbDesign	Chorus	10	00	26

Algorithm 25: Res1-Chmb

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	36
15	01	DelayTime	Voice1	38229	00	38
16	01	DelayTime	Voice2	38229	00	39
17	01	DelayTime	Voice3	38229	00	3A
18	01	DelayTime	Voice4	38229	00	3B
19	00	DelayTime	Clear	1	00	37
1A	00	Levels	Mstr Lvl	80	00	2C
1B	00	Levels	V1 Lvl	160	00	2E
1C	00	Levels	V2 Lvl	160	00	30
1D	00	Levels	V3 Lvl	160	00	32
1E	00	Levels	V4 Lvl	160	00	34
1F	00	Levels	Mstr Fbk	100	00	2D
20	00	Levels	V1 Fbk	200	00	2F
21	00	Levels	V2 Fbk	200	00	31
22	00	Levels	V3 Fbk	200	00	33
23	00	Levels	V4 Fbk	200	00	35
24	00	Resonance	Mstr HC	240	00	3D
25	00	Resonance	V1 HiCut	121	00	3F
26	00	Resonance	V2 HiCut	121	00	41
27	00	Resonance	V3 HiCut	121	00	43
28	00	Resonance	V4 HiCut	121	00	45
29	08	Pitch	Tuning	200	00	47
2A	00	Pitch	Active	4	00	48
2B	00	Resonance	Mstr Res	100	00	3C
2C	00	Resonance	V1 Res	200	00	3E
2D	00	Resonance	V2 Res	200	00	40
2E	00	Resonance	V3 Res	200	00	42
2F	00	Resonance	V4 Res	200	00	44
30	00	Panning	Master	100	00	4A
31	00	Panning	Voice1	100	00	4B
32	00	Panning	Voice2	100	00	4C
33	00	Panning	Voice3	100	00	4D
34	00	Panning	Voice4	100	00	4E
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	46
49	00	Pitch	Unison	1	00	49
4A	00	RvbDesign	Size	144	00	25
4B	00	RvbDesign	Spin	50	00	29
4C	00	Rvb Time	Rt HC	48	00	1B
4D	00	Rvb Time	Low Rt	9	00	18
4E	00	Rvb Time	Crossover	60	00	1A
4F	00	Rvb Time	Mid Rt	63	00	19
50	00	RvbDesign	Diffusion	100	00	26
51	01	Rvb Time	Pre Delay	465	00	1C
52	00	RvbDesign	Spread	255	00	28
53	00	RvbDesign	Shape	255	00	27
54	00	RvbDesign	Link	1	00	2A
55	00	RvbDesign	Rvb Out	15	00	2B
56	01	Rvb Time	EkoDly L	600	00	22
57	01	Rvb Time	EkoDly R	600	00	24
58	00	Rvb Time	EkoFbk L	30	00	21
59	00	Rvb Time	EkoFbk R	30	00	23
5A	01	Rvb Time	RefDly L	600	00	1E
5B	01	Rvb Time	RefDly R	600	00	20
5C	00	Rvb Time	RefLvl L	15	00	1D
5D	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 26: Res1-Plt

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	35
15	01	DelayTime	Voice1	38229	00	37
16	01	DelayTime	Voice2	38229	00	38
17	01	DelayTime	Voice3	38229	00	39
18	01	DelayTime	Voice4	38229	00	3A
19	00	DelayTime	Clear	1	00	36
1A	00	Levels	Mstr Lvl	80	00	2B
1B	00	Levels	V1 Lvl	160	00	2D
1C	00	Levels	V2 Lvl	160	00	2F
1D	00	Levels	V3 Lvl	160	00	31
1E	00	Levels	V4 Lvl	160	00	33
1F	00	Levels	Mstr Fbk	100	00	2C
20	00	Levels	V1 Fbk	200	00	2E
21	00	Levels	V2 Fbk	200	00	30
22	00	Levels	V3 Fbk	200	00	32
23	00	Levels	V4 Fbk	200	00	34
24	00	Resonance	Mstr HC	240	00	3C
25	00	Resonance	V1 HiCut	121	00	3E
26	00	Resonance	V2 HiCut	121	00	40
27	00	Resonance	V3 HiCut	121	00	42
28	00	Resonance	V4 HiCut	121	00	44
29	08	Pitch	Tuning	200	00	46
2A	00	Pitch	Active	4	00	47
2B	00	Resonance	Mstr Res	100	00	3B
2C	00	Resonance	V1 Res	200	00	3D
2D	00	Resonance	V2 Res	200	00	3F
2E	00	Resonance	V3 Res	200	00	41
2F	00	Resonance	V4 Res	200	00	43
30	00	Panning	Master	100	00	49
31	00	Panning	Voice1	100	00	4A
32	00	Panning	Voice2	100	00	4B
33	00	Panning	Voice3	100	00	4C
34	00	Panning	Voice4	100	00	4D
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	45
49	00	Pitch	Unison	1	00	48
4A	00	RvbDesign	Size	144	00	25
4B	00	RvbDesign	Spin	50	00	28
4C	00	Rvb Time	Rt HC	48	00	1B
4D	00	Rvb Time	Low Rt	9	00	18
4E	00	Rvb Time	Crossover	60	00	1A
4F	00	Rvb Time	Mid Rt	63	00	19
50	00	RvbDesign	Diffusion	100	00	26
51	01	Rvb Time	Pre Delay	0	00	1C
52	00		Not active	0	7F	7F
53	00	RvbDesign	Attack	100	00	27
54	00	RvbDesign	Link	1	00	29
55	00	RvbDesign	Rvb Out	15	00	2A
56	01	Rvb Time	EkoDly L	600	00	22
57	01	Rvb Time	EkoDly R	600	00	24
58	00	Rvb Time	EkoFbk L	30	00	21
59	00	Rvb Time	EkoFbk R	30	00	23
5A	01	Rvb Time	RefDly L	600	00	1E
5B	01	Rvb Time	RefDly R	600	00	20
5C	00	Rvb Time	RefLvl L	15	00	1D
5D	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 27: Res1-Inv

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	2E
15	01	DelayTime	Voice1	38229	00	30
16	01	DelayTime	Voice2	38229	00	31
17	01	DelayTime	Voice3	38229	00	32
18	01	DelayTime	Voice4	38229	00	33
19	00	DelayTime	Clear	1	00	2F
1A	00	Levels	Mstr Lvl	80	00	24
1B	00	Levels	V1 Lvl	160	00	26
1C	00	Levels	V2 Lvl	160	00	28
1D	00	Levels	V3 Lvl	160	00	2A
1E	00	Levels	V4 Lvl	160	00	2C
1F	00	Levels	Mstr Fbk	100	00	25
20	00	Levels	V1 Fbk	200	00	27
21	00	Levels	V2 Fbk	200	00	29
22	00	Levels	V3 Fbk	200	00	2B
23	00	Levels	V4 Fbk	200	00	2D
24	00	Resonance	Mstr HC	240	00	35
25	00	Resonance	V1 HiCut	121	00	37
26	00	Resonance	V2 HiCut	121	00	39
27	00	Resonance	V3 HiCut	121	00	3B
28	00	Resonance	V4 HiCut	121	00	3D
29	08	Pitch	Tuning	200	00	3F
2A	00	Pitch	Active	4	00	40
2B	00	Resonance	Mstr Res	100	00	34
2C	00	Resonance	V1 Res	200	00	36
2D	00	Resonance	V2 Res	200	00	38
2E	00	Resonance	V3 Res	200	00	3A
2F	00	Resonance	V4 Res	200	00	3C
30	00	Panning	Master	100	00	42
31	00	Panning	Voice1	100	00	43
32	00	Panning	Voice2	100	00	44
33	00	Panning	Voice3	100	00	45
34	00	Panning	Voice4	100	00	46
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	3E
49	00	Pitch	Unison	1	00	41
4A	00		Not active	0	7F	7F
4B	00	RvbDesign	Duration	112	00	21
4C	00	Rvb Time	Rt HC	48	00	1B
4D	00	Rvb Time	Crossover	60	00	1A
4E	00	Rvb Time	Low Slope	32	00	18
4F	00	Rvb Time	Mid Slope	32	00	19
50	00	RvbDesign	Diffusion	100	00	22
51	01	Rvb Time	Pre Delay	0	00	1C
52	00		Not active	0	7F	7F
53	00	RvbDesign	Shape	255	00	23
54	01	Rvb Time	RefDly L	400	00	1E
55	01	Rvb Time	RefDly R	400	00	20
56	00	Rvb Time	RefLvl L	15	00	1D
57	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 28: Res1-Inf

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	37
15	01	DelayTime	Voice1	38229	00	39
16	01	DelayTime	Voice2	38229	00	3A
17	01	DelayTime	Voice3	38229	00	3B
18	01	DelayTime	Voice4	38229	00	3C
19	00	DelayTime	Clear	1	00	38
1A	00	Levels	Mstr Lvl	80	00	2D
1B	00	Levels	V1 Lvl	160	00	2F
1C	00	Levels	V2 Lvl	160	00	31
1D	00	Levels	V3 Lvl	160	00	33
1E	00	Levels	V4 Lvl	160	00	35
1F	00	Levels	Mstr Fbk	100	00	2E
20	00	Levels	V1 Fbk	200	00	30
21	00	Levels	V2 Fbk	200	00	32
22	00	Levels	V3 Fbk	200	00	34
23	00	Levels	V4 Fbk	200	00	36
24	00	Resonance	Mstr HC	240	00	3E
25	00	Resonance	V1 HiCut	121	00	40
26	00	Resonance	V2 HiCut	121	00	42
27	00	Resonance	V3 HiCut	121	00	44
28	00	Resonance	V4 HiCut	121	00	46
29	08	Pitch	Tuning	200	00	48
2A	00	Pitch	Active	4	00	49
2B	00	Resonance	Mstr Res	100	00	3D
2C	00	Resonance	V1 Res	200	00	3F
2D	00	Resonance	V2 Res	200	00	41
2E	00	Resonance	V3 Res	200	00	43
2F	00	Resonance	V4 Res	200	00	45
30	00	Panning	Master	100	00	4B
31	00	Panning	Voice1	100	00	4C
32	00	Panning	Voice2	100	00	4D
33	00	Panning	Voice3	100	00	4E
34	00	Panning	Voice4	100	00	4F
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	47
49	00	Pitch	Unison	1	00	4A
4A	00	RvbDesign	Spin	50	00	2A
4B	00	RvbDesign	Size	144	00	26
4C	00		Not active	0	7F	7F
4D	00		Not active	0	7F	7F
4E	00	Rvb Time	Rt HC	48	00	1B
4F	00	Rvb Time	Low Rt	9	00	18
50	00	Rvb Time	Crossover	60	00	1A
51	00	Rvb Time	Mid Rt	63	00	19
52	00	RvbDesign	Diffusion	100	00	27
53	01	Rvb Time	Pre Delay	465	00	1C
54	00	RvbDesign	Spread	255	00	29
55	00	RvbDesign	Shape	255	00	28
56	00	RvbDesign	Link	1	00	2B
57	00	RvbDesign	Rvb Out	15	00	2C
58	01	Rvb Time	EkoDly L	600	00	23
59	01	Rvb Time	EkoDly R	600	00	25
5A	00	Rvb Time	EkoFbk L	30	00	22
5B	00	Rvb Time	EkoFbk R	30	00	24
5C	01	Rvb Time	RefDly L	600	00	1F
5D	01	Rvb Time	RefDly R	600	00	21
5E	00	Rvb Time	RefLvl L	15	00	1E
5F	00	Rvb Time	RefLvl R	15	00	20
60	00	Rvb Time	Infinite	1	00	1D

Algorithm 29: Res1-Hall

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	33
15	01	DelayTime	Voice1	38229	00	35
16	01	DelayTime	Voice2	38229	00	36
17	01	DelayTime	Voice3	38229	00	37
18	01	DelayTime	Voice4	38229	00	38
19	00	DelayTime	Clear	1	00	34
1A	00	Levels	Mstr Lvl	80	00	29
1B	00	Levels	V1 Lvl	160	00	2B
1C	00	Levels	V2 Lvl	160	00	2D
1D	00	Levels	V3 Lvl	160	00	2F
1E	00	Levels	V4 Lvl	160	00	31
1F	00	Levels	Mstr Fbk	100	00	2A
20	00	Levels	V1 Fbk	200	00	2C
21	00	Levels	V2 Fbk	200	00	2E
22	00	Levels	V3 Fbk	200	00	30
23	00	Levels	V4 Fbk	200	00	32
24	00	Resonance	Mstr HC	240	00	3A
25	00	Resonance	V1 HiCut	121	00	3C
26	00	Resonance	V2 HiCut	121	00	3E
27	00	Resonance	V3 HiCut	121	00	40
28	00	Resonance	V4 HiCut	121	00	42
29	08	Pitch	Tuning	200	00	44
2A	00	Pitch	Active	4	00	45
2B	00	Resonance	Mstr Res	100	00	39
2C	00	Resonance	V1 Res	200	00	3B
2D	00	Resonance	V2 Res	200	00	3D
2E	00	Resonance	V3 Res	200	00	3F
2F	00	Resonance	V4 Res	200	00	41
30	00	Panning	Master	100	00	47
31	00	Panning	Voice1	100	00	48
32	00	Panning	Voice2	100	00	49
33	00	Panning	Voice3	100	00	4A
34	00	Panning	Voice4	100	00	4B
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	43
49	00	Pitch	Unison	1	00	46
4A	00	RvbDesign	Diffusion	100	00	22
4B	00	RvbDesign	Def	100	00	23
4C	00	RvbDesign	Depth	15	00	24
4D	00	RvbDesign	Size	304	00	21
4E	00	RvbDesign	Rvb Out	15	00	28
4F	01	Rvb Time	RefDly L	600	00	1E
50	01	Rvb Time	RefDly R	600	00	20
51	00	Rvb Time	RefLvl L	15	00	1D
52	00	Rvb Time	RefLvl R	15	00	1F
53	01	Rvb Time	Pre Delay	465	00	1C
54	00		Not active	0	7F	7F
55	00		Not active	0	7F	7F
56	00	Rvb Time	Rt HC	48	00	1B
57	00	Rvb Time	Low Rt	9	00	18
58	00	Rvb Time	Crossover	60	00	1A
59	00	Rvb Time	Mid Rt	63	00	19
5A	00	RvbDesign	Link	1	00	27
5B	00	RvbDesign	Spin	50	00	25
5C	00	RvbDesign	Chorus	10	00	26

Algorithm 30: Res2-Chmb

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	36
15	01	DelayTime	Voice1	38229	00	38
16	01	DelayTime	Voice2	38229	00	39
17	01	DelayTime	Voice3	38229	00	3A
18	01	DelayTime	Voice4	38229	00	3B
19	00	DelayTime	Clear	1	00	37
1A	00	Levels	Mstr Lvl	80	00	2C
1B	00	Levels	V1 Lvl	160	00	2E
1C	00	Levels	V2 Lvl	160	00	30
1D	00	Levels	V3 Lvl	160	00	32
1E	00	Levels	V4 Lvl	160	00	34
1F	00	Levels	Mstr Fbk	100	00	2D
20	00	Levels	V1 Fbk	200	00	2F
21	00	Levels	V2 Fbk	200	00	31
22	00	Levels	V3 Fbk	200	00	33
23	00	Levels	V4 Fbk	200	00	35
24	00	Resonance	Mstr HC	240	00	3D
25	00	Resonance	V1 HiCut	121	00	3F
26	00	Resonance	V2 HiCut	121	00	41
27	00	Resonance	V3 HiCut	121	00	43
28	00	Resonance	V4 HiCut	121	00	45
29	08	Pitch	Tuning	200	00	47
2A	00	Pitch	Active	4	00	48
2B	00	Resonance	Mstr Res	100	00	3C
2C	00	Resonance	V1 Res	200	00	3E
2D	00	Resonance	V2 Res	200	00	40
2E	00	Resonance	V3 Res	200	00	42
2F	00	Resonance	V4 Res	200	00	44
30	00	Panning	Master	100	00	51
31	00	Panning	Voice1	100	00	52
32	00	Panning	Voice2	100	00	53
33	00	Panning	Voice3	100	00	54
34	00	Panning	Voice4	100	00	55
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	46
49	00	Pitch	Scale	1	00	4A
4A	00	Pitch	Key	11	00	49
4B	00	Pitch	Root	6	00	4B
4C	00	Pitch	Rule	3	00	4C
4D	00	Pitch	Voice1	70	00	4D
4E	00	Pitch	Voice2	70	00	4E
4F	00	Pitch	Voice3	70	00	4F
50	00	Pitch	Voice4	70	00	50
51	00	RvbDesign	Size	144	00	25
52	00	RvbDesign	Spin	50	00	29
53	00	Rvb Time	Rt HC	48	00	1B
54	00	Rvb Time	Low Rt	9	00	18
55	00	Rvb Time	Crossover	60	00	1A
56	00	Rvb Time	Mid Rt	63	00	19
57	00	RvbDesign	Diffusion	100	00	26
58	01	Rvb Time	Pre Delay	465	00	1C
59	00	RvbDesign	Spread	255	00	28
5A	00	RvbDesign	Shape	255	00	27
5B	00	RvbDesign	Link	1	00	2A
5C	00	RvbDesign	Rvb Out	15	00	2B
5D	01	Rvb Time	EkoDly L	600	00	22
5E	01	Rvb Time	EkoDly R	600	00	24
5F	00	Rvb Time	EkoFbk L	30	00	21
60	00	Rvb Time	EkoFbk R	30	00	23
61	01	Rvb Time	RefDly L	600	00	1E
62	01	Rvb Time	RefDly R	600	00	20
63	00	Rvb Time	RefLvl L	15	00	1D
64	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 31: Res2-Plt

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	35
15	01	DelayTime	Voice1	38229	00	37
16	01	DelayTime	Voice2	38229	00	38
17	01	DelayTime	Voice3	38229	00	39
18	01	DelayTime	Voice4	38229	00	3A
19	00	DelayTime	Clear	1	00	36
1A	00	Levels	Mstr Lvl	80	00	2B
1B	00	Levels	V1 Lvl	160	00	2D
1C	00	Levels	V2 Lvl	160	00	2F
1D	00	Levels	V3 Lvl	160	00	31
1E	00	Levels	V4 Lvl	160	00	33
1F	00	Levels	Mstr Fbk	100	00	2C
20	00	Levels	V1 Fbk	200	00	2E
21	00	Levels	V2 Fbk	200	00	30
22	00	Levels	V3 Fbk	200	00	32
23	00	Levels	V4 Fbk	200	00	34
24	00	Resonance	Mstr HC	240	00	3C
25	00	Resonance	V1 HiCut	121	00	3E
26	00	Resonance	V2 HiCut	121	00	40
27	00	Resonance	V3 HiCut	121	00	42
28	00	Resonance	V4 HiCut	121	00	44
29	08	Pitch	Tuning	200	00	46
2A	00	Pitch	Active	4	00	47
2B	00	Resonance	Mstr Res	100	00	3B
2C	00	Resonance	V1 Res	200	00	3D
2D	00	Resonance	V2 Res	200	00	3F
2E	00	Resonance	V3 Res	200	00	41
2F	00	Resonance	V4 Res	200	00	43
30	00	Panning	Master	100	00	50
31	00	Panning	Voice1	100	00	51
32	00	Panning	Voice2	100	00	52
33	00	Panning	Voice3	100	00	53
34	00	Panning	Voice4	100	00	54
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	45
49	00	Pitch	Scale	1	00	49
4A	00	Pitch	Key	11	00	48
4B	00	Pitch	Root	6	00	4A
4C	00	Pitch	Rule	3	00	4B
4D	00	Pitch	Voice1	70	00	4C
4E	00	Pitch	Voice2	70	00	4D
4F	00	Pitch	Voice3	70	00	4E
50	00	Pitch	Voice4	70	00	4F
51	00	RvbDesign	Size	144	00	25
52	00	RvbDesign	Spin	50	00	28
53	00	Rvb Time	Rt HC	48	00	1B
54	00	Rvb Time	Low Rt	9	00	18
55	00	Rvb Time	Crossover	60	00	1A
56	00	Rvb Time	Mid Rt	63	00	19
57	00	RvbDesign	Diffusion	100	00	26
58	01	Rvb Time	Pre Delay	0	00	1C
59	00		Not active		7F	7F
5A	00	RvbDesign	Attack	100	00	27
5B	00	RvbDesign	Link	1	00	29
5C	00	RvbDesign	Rvb Out	15	00	2A
5D	01	Rvb Time	EkoDly L	600	00	22
5E	01	Rvb Time	EkoDly R	600	00	24
5F	00	Rvb Time	EkoFbk L	30	00	21
60	00	Rvb Time	EkoFbk R	30	00	23
61	01	Rvb Time	RefDly L	600	00	1E
62	01	Rvb Time	RefDly R	600	00	20
63	00	Rvb Time	RefLvl L	15	00	1D
64	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 32: Res2-Inv

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	2E
15	01	DelayTime	Voice1	38229	00	30
16	01	DelayTime	Voice2	38229	00	31
17	01	DelayTime	Voice3	38229	00	32
18	01	DelayTime	Voice4	38229	00	33
19	00	DelayTime	Clear	1	00	2F
1A	00	Levels	Mstr Lvl	80	00	24
1B	00	Levels	V1 Lvl	160	00	26
1C	00	Levels	V2 Lvl	160	00	28
1D	00	Levels	V3 Lvl	160	00	2A
1E	00	Levels	V4 Lvl	160	00	2C
1F	00	Levels	Mstr Fbk	100	00	25
20	00	Levels	V1 Fbk	200	00	27
21	00	Levels	V2 Fbk	200	00	29
22	00	Levels	V3 Fbk	200	00	2B
23	00	Levels	V4 Fbk	200	00	2D
24	00	Resonance	Mstr HC	240	00	35
25	00	Resonance	V1 HiCut	121	00	37
26	00	Resonance	V2 HiCut	121	00	39
27	00	Resonance	V3 HiCut	121	00	3B
28	00	Resonance	V4 HiCut	121	00	3D
29	08	Pitch	Tuning	200	00	3F
2A	00	Pitch	Active	4	00	40
2B	00	Resonance	Mstr Res	100	00	34
2C	00	Resonance	V1 Res	200	00	36
2D	00	Resonance	V2 Res	200	00	38
2E	00	Resonance	V3 Res	200	00	3A
2F	00	Resonance	V4 Res	200	00	3C
30	00	Panning	Master	100	00	49
31	00	Panning	Voice1	100	00	4A
32	00	Panning	Voice2	100	00	4B
33	00	Panning	Voice3	100	00	4C
34	00	Panning	Voice4	100	00	4D
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C

38	00	Submixer	Rvb In W	720	00	0E
39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	3E
49	00	Pitch	Scale	1	00	42
4A	00	Pitch	Key	11	00	41
4B	00	Pitch	Root	6	00	43
4C	00	Pitch	Rule	3	00	44
4D	00	Pitch	Voice1	70	00	45
4E	00	Pitch	Voice2	70	00	46
4F	00	Pitch	Voice3	70	00	47
50	00	Pitch	Voice4	70	00	48
51	00		Not active	0	7F	7F
52	00	RvbDesign	Duration	112	00	21
53	00	Rvb Time	Rt HC	48	00	1B
54	00	Rvb Time	Crossover	60	00	1A
55	00	Rvb Time	Low Slope	32	00	18
56	00	Rvb Time	Mid Slope	32	00	19
57	00	RvbDesign	Diffusion	100	00	22
58	01	Rvb Time	Pre Delay	0	00	1C
59	00		Not active		7F	7F
5A	00	RvbDesign	Shape	255	00	23
5B	01	Rvb Time	RefDly L	400	00	1E
5C	01	Rvb Time	RefDly R	400	00	20
5D	00	Rvb Time	RefLvl L	15	00	1D
5E	00	Rvb Time	RefLvl R	15	00	1F

Algorithm 33: Res2-Inf

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	37
15	01	DelayTime	Voice1	38229	00	39
16	01	DelayTime	Voice2	38229	00	3A
17	01	DelayTime	Voice3	38229	00	3B
18	01	DelayTime	Voice4	38229	00	3C
19	00	DelayTime	Clear	1	00	38
1A	00	Levels	Mstr Lvl	80	00	2D
1B	00	Levels	V1 Lvl	160	00	2F
1C	00	Levels	V2 Lvl	160	00	31
1D	00	Levels	V3 Lvl	160	00	33
1E	00	Levels	V4 Lvl	160	00	35
1F	00	Levels	Mstr Fbk	100	00	2E
20	00	Levels	V1 Fbk	200	00	30
21	00	Levels	V2 Fbk	200	00	32
22	00	Levels	V3 Fbk	200	00	34
23	00	Levels	V4 Fbk	200	00	36
24	00	Resonance	Mstr HC	240	00	3E
25	00	Resonance	V1 HiCut	121	00	40
26	00	Resonance	V2 HiCut	121	00	42
27	00	Resonance	V3 HiCut	121	00	44
28	00	Resonance	V4 HiCut	121	00	46
29	08	Pitch	Tuning	200	00	48
2A	00	Pitch	Active	4	00	49
2B	00	Resonance	Mstr Res	100	00	3D
2C	00	Resonance	V1 Res	200	00	3F
2D	00	Resonance	V2 Res	200	00	41
2E	00	Resonance	V3 Res	200	00	43
2F	00	Resonance	V4 Res	200	00	45
30	00	Panning	Master	100	00	52
31	00	Panning	Voice1	100	00	53
32	00	Panning	Voice2	100	00	54
33	00	Panning	Voice3	100	00	55
34	00	Panning	Voice4	100	00	56
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	47
49	00	Pitch	Scale	1	00	4B
4A	00	Pitch	Key	11	00	4A
4B	00	Pitch	Root	6	00	4C
4C	00	Pitch	Rule	3	00	4D
4D	00	Pitch	Voice1	70	00	4E
4E	00	Pitch	Voice2	70	00	4F
4F	00	Pitch	Voice3	70	00	50
50	00	Pitch	Voice4	70	00	51
51	00	RvbDesign	Spin	50	00	2A
52	00	RvbDesign	Size	144	00	26
53	00		Not active	0	7F	7F
54	00		Not active	0	7F	7F
55	00	Rvb Time	Rt HC	48	00	1B
56	00	Rvb Time	Low Rt	9	00	18
57	00	Rvb Time	Crossover	60	00	1A
58	00	Rvb Time	Mid Rt	63	00	19
59	00	RvbDesign	Diffusion	100	00	27
5A	01	Rvb Time	Pre Delay	465	00	1C
5B	00	RvbDesign	Spread	255	00	29
5C	00	RvbDesign	Shape	255	00	28
5D	00	RvbDesign	Link	1	00	2B
5E	00	RvbDesign	Rvb Out	15	00	2C
5F	01	Rvb Time	EkoDly L	600	00	23
60	01	Rvb Time	EkoDly R	600	00	25
61	00	Rvb Time	EkoFbk L	30	00	22
62	00	Rvb Time	EkoFbk R	30	00	24
63	01	Rvb Time	RefDly L	600	00	1F
64	01	Rvb Time	RefDly R	600	00	21
65	00	Rvb Time	RefLvl L	15	00	1E
66	00	Rvb Time	RefLvl R	15	00	20
67	00	Rvb Time	Infinite	1	00	1D

Algorithm 34: Res2-Hall

Param # (Hex)	Flags	Row Name	Param Name	Max Value	Dest List ID	Dest List Index(Hex)
00	00	Controls	Mix	100	00	00
01	01	LFO	Rate	2500	01	00
02	00	LFO	Shape	5	01	01
03	00	LFO	P Width	98	01	02
04	00	Env L	Release	500	01	07
05	00	Env R	Release	500	01	08
06	00	AR Env	Attack	500	01	04
07	00	AR Env	Release	500	01	05
08	00	AR Env	Mode	3	01	06
09	00	Sw 1	Mode	2	01	0B
0A	01	Sw 1	Rate	2500	01	09
0B	00	Sw 1	P Width	98	01	0A
0C	00	Sw 2	Mode	2	01	0E
0D	01	Sw 2	Rate	2500	01	0C
0E	00	Sw 2	P Width	98	01	0D
0F	00	LFO	Depth	100	01	03
10	00	Controls	InLvl R	160	00	03
11	00	Controls	InLvl L	160	00	02
12	00	Controls	InPan R	100	00	05
13	00	Controls	InPan L	100	00	04
14	00	DelayTime	Master	200	00	33
15	01	DelayTime	Voice1	38229	00	35
16	01	DelayTime	Voice2	38229	00	36
17	01	DelayTime	Voice3	38229	00	37
18	01	DelayTime	Voice4	38229	00	38
19	00	DelayTime	Clear	1	00	34
1A	00	Levels	Mstr Lvl	80	00	29
1B	00	Levels	V1 Lvl	160	00	2B
1C	00	Levels	V2 Lvl	160	00	2D
1D	00	Levels	V3 Lvl	160	00	2F
1E	00	Levels	V4 Lvl	160	00	31
1F	00	Levels	Mstr Fbk	100	00	2A
20	00	Levels	V1 Fbk	200	00	2C
21	00	Levels	V2 Fbk	200	00	2E
22	00	Levels	V3 Fbk	200	00	30
23	00	Levels	V4 Fbk	200	00	32
24	00	Resonance	Mstr HC	240	00	3A
25	00	Resonance	V1 HiCut	121	00	3C
26	00	Resonance	V2 HiCut	121	00	3E
27	00	Resonance	V3 HiCut	121	00	40
28	00	Resonance	V4 HiCut	121	00	42
29	08	Pitch	Tuning	200	00	44
2A	00	Pitch	Active	4	00	45
2B	00	Resonance	Mstr Res	100	00	39
2C	00	Resonance	V1 Res	200	00	3B
2D	00	Resonance	V2 Res	200	00	3D
2E	00	Resonance	V3 Res	200	00	3F
2F	00	Resonance	V4 Res	200	00	41
30	00	Panning	Master	100	00	4E
31	00	Panning	Voice1	100	00	4F
32	00	Panning	Voice2	100	00	50
33	00	Panning	Voice3	100	00	51
34	00	Panning	Voice4	100	00	52
35	00	Controls	FX Width	720	00	06
36	00	Controls	LvlAdjust	80	00	01
37	00	Submixer	RvbInLvl	80	00	0C
38	00	Submixer	Rvb In W	720	00	0E

39	00	Submixer	Rvb Out W	720	00	16
3A	00	Submixer	RvbOutLvl	80	00	14
3B	00	Submixer	RvbHiCut	121	00	10
3C	00	Submixer	RvbLoCut	121	00	12
3D	00	Submixer	RvbMix	100	00	0A
3E	00	Submixer	FX InLvl	80	00	0D
3F	00	Submixer	FX In W	720	00	0F
40	00	Submixer	FX Out W	720	00	17
41	00	Submixer	FX OutLvl	80	00	15
42	00	Submixer	FX HiCut	121	00	11
43	00	Submixer	FX LoCut	121	00	13
44	00	Submixer	FX Mix	100	00	0B
45	00	Submixer	Sends	300	00	07
46	00	Submixer	Returns	300	00	08
47	00	Submixer	Routing	400	00	09
48	00	Pitch	Assign	127	00	43
49	00	Pitch	Scale	1	00	47
4A	00	Pitch	Key	11	00	46
4B	00	Pitch	Root	6	00	48
4C	00	Pitch	Rule	3	00	49
4D	00	Pitch	Voice1	70	00	4A
4E	00	Pitch	Voice2	70	00	4B
4F	00	Pitch	Voice3	70	00	4C
50	00	Pitch	Voice4	70	00	4D
51	00	RvbDesign	Diffusion	100	00	22
52	00	RvbDesign	Def	100	00	23
53	00	RvbDesign	Depth	15	00	24
54	00	RvbDesign	Size	304	00	21
55	00	RvbDesign	Rvb Out	15	00	28
56	01	Rvb Time	RefDly L	600	00	1E
57	01	Rvb Time	RefDly R	600	00	20
58	00	Rvb Time	RefLvl L	15	00	1D
59	00	Rvb Time	RefLvl R	15	00	1F
5A	01	Rvb Time	Pre Delay	465	00	1C
5B	00		Not active	0	7F	7F
5C	00		Not active	0	7F	7F
5D	00	Rvb Time	Rt HC	48	00	1B
5E	00	Rvb Time	Low Rt	9	00	18
5F	00	Rvb Time	Crossover	60	00	1A
60	00	Rvb Time	Mid Rt	63	00	19
61	00	RvbDesign	Link	1	00	27
62	00	RvbDesign	Spin	50	00	25
63	00	RvbDesign	Chorus	10	00	26

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