

Part 9: Power Failure

Verses 15–17

Duration 5:12

Verse 17 is about the atomic bomb and is spoken over a soundscape.

This soundscape could either be one whole sample, that can be triggered from a MIDI controller keyboard, or the individual synthesizer and effect sounds could be played as written in the score.

After a short break, which gives the listener time to digest verse 17, verse 18 starts with its own soundscape. Life after the atomic bomb goes on with rainstorm, thunderbolts, and birds calling.

Lyrics verses 15–17

15. I've seen false prophets take their toll
on men who seemed so strong.
Misled by leaders' frantic cries,
and so fanatically being wrong.
But there are those who won't accept
that fatalistic throng;
who won't succumb to fixed ideas,
as puppets fed a battle song.
16. I've seen the books of wisdom burned
by men who claimed to know
what minds should see,
what minds should read,
what seeds a man should sow.
I've yearned for knowledge as for love.
'T was always such a blow
to feel suppression's mindless bonds,
while wanting so to fully grow.
17. I've seen once more the mushroom clouds
that sent a shiver through my spine,
and breathed for those who breathed the dust
that permeated such a crime;
and screamed for those who could not
scream,
through throats that burned like lime;
and wept for those who could not weep.
They never had the time.

Instrumentation

Vocals (1 tenor),
and a Speaker/Narrator (verse 17)
2 Keyboard- / Grand Piano-players
with MIDI keyboards/synthesizers

Woodwinds

- Flute(s)

Brass

- French Horns
- Trumpets
- Trombones
- Tuba

Bandoneon (maybe accordion or virtual
instrument played from keyboard)

Strings

- Violins I
- Violins II
- Viola
- Violoncellos
- Contrabass

1 Upright bass

1 Drum set

Synthesizers (verse 17)

- Roland JX-8P / JX-10 / ML-VST PG-8X
 - Soundtrack 1 (*Prop. airplane support*)
 - Soundtrack 2 (*Prop. airplane support*)
- Roland MKS-80 (Super Jupiter)
 - Soft Pad
 - High Tension Wire
 - Stereo Boom

Sound Effects (verse 17)

- Propeller Aircraft
- Bomb Explosion

The following three sound effects actually belong to the
beginning of the following verse 18 (after a short break)

- Rainstorm, Thunder and Lightning, and Birds calling

Roland synthesizer patches and parameters

ROLAND JX-8P Tone Parameter / Patch-settings sheet

Patch Name:

Soundtrack - JX-8P

Tone Name:

Settings for the Roland JX-8P and virtual MLVST PG-8X are identical.

Tone Parameter				
Parameter		Data Value		Own value
DCO 1	11	DCO 1 RANG	2', 4', 8', 16'	8'
	12	DCO 1 WF	Sawt, Puls, Squa, Nois	SAW
	13	DCO 1 TUNE	+12...0...-12	-12
	14	DCO 1 LFO	99-0	0
	15	DCO 1 ENV	99-0	0
DCO 2	21	DCO 2 RANG	2', 4', 8', 16'	8'
	22	DCO 2 WF	Sawt, Puls, Squa, Nois	SAW
	23	DCO 2 XMOD	Xmod, Snc2, Snc1, Off	Off
	24	DCO 2 TUNE	+12...0...-12	-12
	25	DCO 2 FTUNE	+50...-50	-12
	26	DCO 2 LFO	99-0	0
	27	DCO 2 ENV	99-0	0
DCO MOD	31	DCO DYNA	3, 2, 1, Off	3
	32	DCO ENV MODE	$\cap_{-1}, U_{-1}, \cap_{-2}, U_{-2}$	\cap_{-2}
MIXER	41	MIX DCO 1	99-0	85
	42	MIX DCO 2	99-0	85
	43	MIX ENV	99-0	46
	44	MIX DYNA	3, 2, 1, Off	1
	45	DCO2 MIX MODE	$\cap_{-1}, U_{-1}, \cap_{-2}, U_{-2}$	\cap_{-2}
VCF	51	HPF FREQ	3, 2, 1, Off	0
	52	VCF FREQ	99-0	41
	53	VCF RES	99-0	0
	54	VCF LFO	99-0	0
	55	VCF ENV	99-0	47
	56	VCF KEY	99-0	69
	57	VCF DYNA	3, 2, 1, Off	1
	58	VCF ENV MOD	$\cap_{-1}, U_{-1}, \cap_{-2}, U_{-2}$	\cap_{-1}
VCA CHORUS	61	VCA LEVEL	99-0	81
	62	VCA MODE	ENV2, GATE	ENV2
	63	VCA DYNA	3, 2, 1, Off	2
	64	CHORUS	2, 1, Off	1
LFO	71	LFO WF	Sine, Squa, Random	SINE
	72	LFO DELAY	99-0	61
	73	LFO RATE	99-0	80
	74	BEND DEPTH	99-0	17
ENV 1	81	ENV 1 ATT	99-0	99
	82	ENV 1 DECY	99-0	65
	83	ENV 1 SUS	99-0	43
	84	ENV 1 REL	99-0	71
	85	ENV 1 KEY	3, 2, 1, Off	Off
ENV 2	91	ENV 2 ATT	99-0	63
	92	ENV 2 DECY	99-0	85
	93	ENV 2 SUS	99-0	45
	94	ENV 2 REL	99-0	60
	95	ENV 2 KEY	3, 2, 1, Off	1

MIDI Function Settings		
11	CHANNEL	
12	PROGRAM CHANGE	
13	AFTER TOUCH	
14	PITCH BEND	
15	MOD. WHEEL	
16	PORTAMENTO	
17	HOLD	
18	VOLUME	
21	POLY OMNI	
22	MODE SENS	
23	DYNAMICS	
24	LOCAL	
25	ACTI SENSE	
26	System Exclusive	

ROLAND JX-8P Tone Parameter / Patch-settings sheet

Settings for the Roland JX-8P and virtual MLVST PG-8X are identical.

Patch Name:














Soundtrack 2 IHS - JX-8P

Tone Name:

Tone Parameter				
Parameter		Data Value		Own value
DCO 1	11	DCO 1 RANG	2', 4', 8', 16'	8'
	12	DCO 1 WF	Sawt, Puls, Squa, Nois	SAW
	13	DCO 1 TUNE	+12...0...-12	-12
	14	DCO 1 LFO	99-0	0
	15	DCO 1 ENV	99-0	0
DCO 2	21	DCO 2 RANG	2', 4', 8', 16'	8'
	22	DCO 2 WF	Sawt, Puls, Squa, Nois	SAW
	23	DCO 2 XMOD	Xmod, Snc2, Snc1, Off	Off
	24	DCO 2 TUNE	+12...0...-12	-12
	25	DCO 2 FTUNE	+50...-50	-12
	26	DCO 2 LFO	99-0	0
	27	DCO 2 ENV	99-0	0
DCO MOD	31	DCO DYNA	3, 2, 1, Off	3
	32	DCO ENV MODE	\cap -1, U-1, \cap -2, U-2	\cap -2
MIXER	41	MIX DCO 1	99-0	85
	42	MIX DCO 2	99-0	85
	43	MIX ENV	99-0	46
	44	MIX DYNA	3, 2, 1, Off	1
	45	DCO2 MIX MODE	\cap -1, U-1, \cap -2, U-2	\cap -2
VCF	51	HPF FREQ	3, 2, 1, Off	0
	52	VCF FREQ	99-0	41
	53	VCF RES	99-0	0
	54	VCF LFO	99-0	0
	55	VCF ENV	99-0	47
	56	VCF KEY	99-0	69
	57	VCF DYNA	3, 2, 1, Off	1
	58	VCF ENV MOD	\cap -1, U-1, \cap -2, U-2	\cap -1
VCA CHORUS	61	VCA LEVEL	99-0	74
	62	VCA MODE	ENV2, GATE	ENV2
	63	VCA DYNA	3, 2, 1, Off	2
	64	CHORUS	2, 1, Off	1
LFO	71	LFO WF	Sine, Squa, Random	SINE
	72	LFO DELAY	99-0	61
	73	LFO RATE	99-0	77
	74	BEND DEPTH	99-0	17
ENV 1	81	ENV 1 ATT	99-0	71
	82	ENV 1 DECY	99-0	65
	83	ENV 1 SUS	99-0	43
	84	ENV 1 REL	99-0	67
	85	ENV 1 KEY	3, 2, 1, Off	Off
ENV 2	91	ENV 2 ATT	99-0	50
	92	ENV 2 DECY	99-0	85
	93	ENV 2 SUS	99-0	45
	94	ENV 2 REL	99-0	56
	95	ENV 2 KEY	3, 2, 1, Off	1

MIDI Function Settings		
11	CHANNEL	
12	PROGRAM CHANGE	
13	AFTER TOUCH	
14	PITCH BEND	
15	MOD. WHEEL	
16	PORTAMENTO	
17	HOLD	
18	VOLUME	
21	POLY OMNI	
22	MODE SENS	
23	DYNAMICS	
24	LOCAL	
25	ACTI SENSE	
26	System Exclusive	

MKS-80 Parameter Tables – Tones and Patches – Tone Section: **SOFT PAD**

Parameter			Value		Own value
Area: (A/I) – Patch: 61 – Mode: WHOLE – Upper: SOFT PAD – Lower:					
No	Display		Display		
2	LFO RATE	LF0-1 Rate	0–100		64
3	LFO DLY	LF0-1 Delay Time	0–100		0
4	LFO WF	LF0-1 Waveform		Triangle Wave	 Triangle
				Sawtooth Wave	
				Square Wave	
			RND	Random	
5	VCO LFO	VCO Modulation LF0-1 Depth	0–100		26
6	VCO ENV	VCO Modulation ENV-1 Depth	0–100		0
7	PW	Pulse Width	0–100		9
8	PWM	Pulse Width Modulation	0–100		18
9	PWM SEL	PWM Mode Selector	ENV	ENV-1	LFO
			LFO	LF0-1	
			KBD	Keyboard	
10	PWM POL	PWM Polarity	NRM	Normal	NRM
			INV	Invert	
11	VCO KYBD	VCO Key Follow	0–100		0
12	VCO SEL	VCO Selector (Key Follow)	1	VCO 1	OFF
			OFF	OFF	
			2	VCO 2	
13	XMOD MAN	Cross Modulation Manual Depth	0–100		0
14	XMOD ENV	X-MOD ENV-1 Depth	0–100		0
15	XMOD POL	X-MOD Polarity	NRM	Normal	NRM
			INV	Invert	
16	VC01 MOD	VC0-1 Modulation	NRM	Normal	NRM
			OFF	OFF	
			INV	Invert	
17	VC01 RNG	VC0-1 Range	32C–2C	32'C–2'C	4'C
18	VC01 WF	VC0-1 Waveform		Triangle	 Saw
				Sawtooth Wave	
				Pulse Wave	
				Square Wave	
19	VCO SYNC	VCO Synchro	1→2	VCO 1 → VCO 2	OFF
			OFF	OFF	
			1←2	VCO 1 ← VCO 2	
20	VC02 MOD	VC0-2 Modulation	NRM	Normal	INV
			OFF	OFF	
			INV	Invert	
21	VCO2 RNG	VCO-2 Range	LOW	Low Frequency	4'C
			32C–2C	32'C–2'C	
			HI	High Frequency	
22	VCO2 TUN	VCO-2 Fine Tune	0–100		59
23	VCO2 WF	VCO-2 Waveform		Triangle Wave	 Pulse
				Sawtooth Wave	
				Pulse Wave	
			NIS	Noise	
24	MIXER	Source Mix	0–100		54
25	HPF FREQ	High Pass Filter Cutoff Frequency	0–100		67
26	VCF FREQ	VCF Cutoff Frequency	0–100		53
27	VCF RESO	VCF Resonance	0–100		0
28	VCF ENV	VCF Envelope Selector	EG1	ENV-1	EG1
			EG2	ENV-2	
29	VCF ENV	VCF Envelope Polarity	NRM	Normal	NRM
			INV	Invert	













30	VCF ENV	VCF Modulation ENV Depth	0-100		22
31	VCF LFO	VCF Modulation LFO-1 Depth	0-100		0
32	VCF KYBD	VCF Key Follow	0-100		64
33	VCA LEVL	VCA ENV-2 Level	0-100		100
34	VCA LFO	VCA Modulation LFO-1 Depth	0-100		0
35	DYN TIME	Dynamics Time	0-100		0
36	DYN LEVL	Dynamics Level	0-100		83
37	EG RESET	Envelope Reset	ON		ON
			OFF		
38	EG1 DYN	ENV-1 Dynamics	ON		ON
			OFF		
39	EG1 A	ENV-1 Attack Time	0-100		0
40	EG1 D	ENV-1 Decay Time	0-100		48
41	EG1 S	ENV-1 Sustain Level	0-100		13
42	EG1 R	ENV-1 Release Time	0-100		26
43	EG1 KYBD	ENV-1 Key Follow	0-100		0
44	EG2 DYN	ENV-2 Dynamics	ON		ON
			OFF		
45	EG2 A	ENV-2 Attack Time	0-100		56
46	EG2 D	ENV-2 Decay Time	0-100		65
47	EG2 S	ENV-2 Sustain Level	0-100		27
48	EG2 R	ENV-2 Release Time	0-100		64
49	EG2 KYBD	ENV-2 Key Follow	0-100		9

MKS-80 Parameter Tables – Tones and Patches – Patch Section

SOFT PAD – UPPER and LOWER

Parameter			Value		Own upper	Own lower
No	Display		Display			
51	MODE	Key Mode	WHOL	Whole	WHOLE	
			SPL2	Split 2		
			SPL1	Split 1		
			DUAL	Dual		
52	S. POINT	Split Point	A0-C8		C4	
53	BALANCE	Balance	0-100		50	
	TONE	Tone Number	11-88		61	
54	OCTAVE	Octave Shift	-2	2 OCT Down	-1	
			-1	1 OCT Down		
			NORM	Normal		
			+1	1 OCT Up		
			+2	2 OCT Up		
55	ASSIGN	Assign Mode	SOLO		PLY1	
			UNI 1	Unison 1		
			UNI 2	Unison2		
			PLY 1	Poly 1		
56	DETUNE	Unison Detune	0-100		0	
57	HOLD	Hold	MIDI		MIDI	
			ON			
			OFF			
58	GLIDE	Glide	0-100		0	
59	BENDER	Bender Sensitivity	0-100		16	
60	VCO-1	VCO-1 Bend	WIDE		NORM	
			NORM	Normal		
			OFF			
61	VCO-2	VCO-2 Bend	WIDE		NORM	
			NORM	Normal		
			OFF			
62	TOUCH	After Touch Sensitivity	0-100		50	
63	SELECT	After Touch Mode Selector	VCO	VCO LFO-2 MOD	VCO	
			VCF	VCF FREQ		
64	RATE	LFO-2 Rate	0-100		58	

MKS-80 Parameter Tables – Tones and Patches – Tone Section: HIGH TENSION WIRE

Parameter			Value		Own values	
Area: (B/I) – Patch: 26 – Mode: Dual – Upper: 28 HIGH TENSION WIRE 2 – Lower: 27 HIGH TENSION WIRE 1						
No	Display		Display		Upper	Lower
2	LFO RATE	LF0-1 Rate	0–100		100	100
3	LFO DLY	LF0-1 Delay Time	0–100		0	0
4	LFO WF	LF0-1 Waveform		Triangle Wave	RND	RND
				Sawtooth Wave		
				Square Wave		
			RND	Random		
5	VCO LFO	VCO Modulation LF0-1 Depth	0–100		40	40
6	VCO ENV	VCO Modulation ENV-1 Depth	0–100		0	0
7	PW	Pulse Width	0–100		0	0
8	PWM	Pulse Width Modulation	0–100		100	100
9	PWM SEL	PWM Mode Selector	ENV	ENV-1	LFO	LFO
			LFO	LF0-1		
			KBD	Keyboard		
10	PWM POL	PWM Polarity	NRM	Normal	INV	INV
			INV	Invert		
11	VCO KYBD	VCO Key Follow	0–100		56	56
12	VCO SEL	VCO Selector (Key Follow)	1	VCO 1	1	1
			OFF	OFF		
			2	VCO 2		
13	XMOD MAN	Cross Modulation Manual Depth	0–100		70	70
14	XMOD ENV	X-MOD ENV-1 Depth	0–100		0	0
15	XMOD POL	X-MOD Polarity	NRM	Normal	NRM	NRM
			INV	Invert		
16	VC01 MOD	VC0-1 Modulation	NRM	Normal	INV	INV
			OFF	OFF		
			INV	Invert		
17	VC01 RNG	VC0-1 Range	32C–2C	32'C–2'C	2'C	2'C
18	VC01 WF	VC0-1 Waveform		Triangle		
				Sawtooth Wave		
				Pulse Wave		
				Square Wave		
19	VCO SYNC	VCO Synchro	1 → 2	VCO 1 → VCO 2	OFF	OFF
			OFF	OFF		
			1 ← 2	VCO 1 ← VCO 2		
20	VC02 MOD	VC0-2 Modulation	NRM	Normal	NRM	NRM
			OFF	OFF		
			INV	Invert		
21	VCO2 RNG	VCO-2 Range	LOW	Low Frequency	32'C	32'C
			32C–2C	32'C–2'C		
			HI	High Frequency		
22	VCO2 TUN	VCO-2 Fine Tune	0–100		47	47
23	VCO2 WF	VCO-2 Waveform		Triangle Wave	NIS	NIS
				Sawtooth Wave		
				Pulse Wave		
			NIS	Noise		
24	MIXER	Source Mix	0–100		0	0
25	HPF FREQ	High Pass Filter Cutoff Frequency	0–100		0	0
26	VCF FREQ	VCF Cutoff Frequency	0–100		13	13
27	VCF RESO	VCF Resonance	0–100		26	26
28	VCF ENV	VCF Envelope Selector	EG1	ENV-1	EG1	EG2
			EG2	ENV-2		
29	VCF ENV	VCF Envelope Polarity	NRM	Normal	NRM	NRM
			INV	Invert		











30	VCF ENV	VCF Modulation ENV Depth	0-100		61	52
31	VCF LFO	VCF Modulation LFO-1 Depth	0-100		0	0
32	VCF KYBD	VCF Key Follow	0-100		48	48
33	VCA LEVL	VCA ENV-2 Level	0-100		100	100
34	VCA LFO	VCA Modulation LFO-1 Depth	0-100		0	0
35	DYN TIME	Dynamics Time	0-100		85	85
36	DYN LEVL	Dynamics Level	0-100		100	100
37	EG RESET	Envelope Reset	ON		ON	OFF
			OFF			
38	EG1 DYN	ENV-1 Dynamics	ON		ON	ON
			OFF			
39	EG1 A	ENV-1 Attack Time	0-100		0	0
40	EG1 D	ENV-1 Decay Time	0-100		77	30
41	EG1 S	ENV-1 Sustain Level	0-100		0	0
42	EG1 R	ENV-1 Release Time	0-100		0	0
43	EG1 KYBD	ENV-1 Key Follow	0-100		44	44
44	EG2 DYN	ENV-2 Dynamics	ON		ON	ON
			OFF			
45	EG2 A	ENV-2 Attack Time	0-100		100	0
46	EG2 D	ENV-2 Decay Time	0-100		70	66
47	EG2 S	ENV-2 Sustain Level	0-100		0	0
48	EG2 R	ENV-2 Release Time	0-100		62	70
49	EG2 KYBD	ENV-2 Key Follow	0-100		43	43

MKS-80 Parameter Tables – Tones and Patches – Patch Section

HIGH TENSION WIRE – UPPER and LOWER

Parameter			Value		Own upper	Own lower
No	Display		Display			
51	MODE	Key Mode	WHOL	Whole	DUAL	DUAL
			SPL2	Split 2		
			SPL1	Split 1		
			DUAL	Dual		
52	S. POINT	Split Point	A0-C8		C4	C4
53	BALANCE	Balance	0-100		33	33
	TONE	Tone Number	11-88		28	27
54	OCTAVE	Octave Shift	-2	2 OCT Down	NORM	NORM
			-1	1 OCT Down		
			NORM	Normal		
			+1	1 OCT Up		
			+2	2 OCT Up		
55	ASSIGN	Assign Mode	SOLO		UNI1	UNI2
			UNI 1	Unison 1		
			UNI 2	Unison2		
			PLY 1	Poly 1		
			PLY 2	Poly 2		
56	DETUNE	Unison Detune	0-100		28	12
57	HOLD	Hold	MIDI		ON	OFF
			ON			
			OFF			
58	GLIDE	Glide	0-100		0	0
59	BENDER	Bender Sensitivity	0-100		18	18
60	VCO-1	VCO-1 Bend	WIDE		NORM	NORM
			NORM	Normal		
			OFF			
61	VCO-2	VCO-2 Bend	WIDE		NORM	NORM
			NORM	Normal		
			OFF			
62	TOUCH	After Touch Sensitivity	0-100		50	50
63	SELECT	After Touch Mode Selector	VCO	VCO LFO-2 MOD	VCO	VCO
			VCF	VCF FREQ		
64	RATE	LFO-2 Rate	0-100		55	55

MKS-80 Parameter Tables – Tones and Patches – Tone Section: STEREO BOOM

Parameter			Value		Own values	
Area: (B/I) – Patch: 31 – Mode: Dual– Upper: 32 BOOM 1 – Lower: 33 BOOM 2						
No	Display		Display		Upper	Lower
2	LFO RATE	LFO-1 Rate	0–100		100	100
3	LFO DLY	LFO-1 Delay Time	0–100		0	0
4	LFO WF	LFO-1 Waveform		Triangle Wave	RND	RND
				Sawtooth Wave		
				Square Wave		
			RND	Random		
5	VCO LFO	VCO Modulation LFO-1 Depth	0–100		92	99
6	VCO ENV	VCO Modulation ENV-1 Depth	0–100		45	100
7	PW	Pulse Width	0–100		18	45
8	PWM	Pulse Width Modulation	0–100		12	84
9	PWM SEL	PWM Mode Selector	ENV	ENV-1	ENV	ENV
			LFO	LFO-1		
			KBD	Keyboard		
10	PWM POL	PWM Polarity	NRM	Normal	INV	NRM
			INV	Invert		
11	VCO KYBD	VCO Key Follow	0–100		0	64
12	VCO SEL	VCO Selector (Key Follow)	1	VCO 1	2	OFF
			OFF	OFF		
			2	VCO 2		
13	XMOD MAN	Cross Modulation Manual Depth	0–100		100	100
14	XMOD ENV	X-MOD ENV-1 Depth	0–100		100	100
15	XMOD POL	X-MOD Polarity	NRM	Normal	NRM	NRM
			INV	Invert		
16	VC01 MOD	VC0-1 Modulation	NRM	Normal	NRM	INV
			OFF	OFF		
			INV	Invert		
17	VC01 RNG	VC0-1 Range	32C–2C	32'C–2'C	32'C	32'C
18	VC01 WF	VC0-1 Waveform		Triangle	Pulse	Pulse
				Sawtooth Wave		
				Pulse Wave		
				Square Wave		
19	VCO SYNC	VCO Synchro	1→2	VCO 1 → VCO 2	OFF	OFF
			OFF	OFF		
			1←2	VCO 1 ← VCO 2		
20	VC02 MOD	VC0-2 Modulation	NRM	Normal	INV	OFF
			OFF	OFF		
			INV	Invert		
21	VCO2 RNG	VCO-2 Range	LOW	Low Frequency	32'C	32'C
			32C–2C	32'C–2'C		
			HI	High Frequency		
22	VCO2 TUN	VCO-2 Fine Tune	0–100		39	39
23	VCO2 WF	VCO-2 Waveform		Triangle Wave	NIS	NIS
				Sawtooth Wave		
				Pulse Wave		
			NIS	Noise		
24	MIXER	Source Mix	0–100		35	38
25	HPF FREQ	High Pass Filter Cutoff Frequency	0–100		0	0
26	VCF FREQ	VCF Cutoff Frequency	0–100		0	18
27	VCF RESO	VCF Resonance	0–100			0
28	VCF ENV	VCF Envelope Selector	EG1	ENV-1	EG2	EG2
			EG2	ENV-2		
29	VCF ENV	VCF Envelope Polarity	NRM	Normal	NRM	NRM
			INV	Invert		

30	VCF ENV	VCF Modulation ENV Depth	0-100		78	22
31	VCF LFO	VCF Modulation LFO-1 Depth	0-100		0	19
32	VCF KYBD	VCF Key Follow	0-100		28	56
33	VCA LEVL	VCA ENV-2 Level	0-100		93	93
34	VCA LFO	VCA Modulation LFO-1 Depth	0-100		0	0
35	DYN TIME	Dynamics Time	0-100		18	18
36	DYN LEVL	Dynamics Level	0-100		100	100
37	EG RESET	Envelope Reset	ON		ON	ON
			OFF			
38	EG1 DYN	ENV-1 Dynamics	ON		ON	ON
			OFF			
39	EG1 A	ENV-1 Attack Time	0-100		0	0
40	EG1 D	ENV-1 Decay Time	0-100		89	63
41	EG1 S	ENV-1 Sustain Level	0-100		0	0
42	EG1 R	ENV-1 Release Time	0-100		89	64
43	EG1 KYBD	ENV-1 Key Follow	0-100		55	59
44	EG2 DYN	ENV-2 Dynamics	ON		ON	ON
			OFF			
45	EG2 A	ENV-2 Attack Time	0-100		0	83
46	EG2 D	ENV-2 Decay Time	0-100		84	83
47	EG2 S	ENV-2 Sustain Level	0-100		20	0
48	EG2 R	ENV-2 Release Time	0-100		76	64
49	EG2 KYBD	ENV-2 Key Follow	0-100		18	31

MKS-80 Parameter Tables – Tones and Patches – Patch Section

STEREO BOOM – UPPER and LOWER

Blend with a good Bomb Explosion sample

Parameter			Value		Own upper	Own lower
No	Display		Display			
51	MODE	Key Mode	WHOL	Whole	DUAL	DUAL
			SPL2	Split 2		
			SPL1	Split 1		
			DUAL	Dual		
52	S. POINT	Split Point	A0-C8		C4	C4
53	BALANCE	Balance	0-100		56	56
	TONE	Tone Number	11-88		32	33
54	OCTAVE	Octave Shift	-2	2 OCT Down	NORM	NORM
			-1	1 OCT Down		
			NORM	Normal		
			+1	1 OCT Up		
			+2	2 OCT Up		
55	ASSIGN	Assign Mode	SOLO		UNI2	UNI2
			UNI 1	Unison 1		
			UNI 2	Unison2		
			PLY 1	Poly 1		
			PLY 2	Poly 2		
56	DETUNE	Unison Detune	0-100		0	12
57	HOLD	Hold	MIDI		ON	ON
			ON			
			OFF			
58	GLIDE	Glide	0-100		0	0
59	BENDER	Bender Sensitivity	0-100		18	18
60	VCO-1	VCO-1 Bend	WIDE		NORM	NORM
			NORM	Normal		
			OFF			
61	VCO-2	VCO-2 Bend	WIDE		NORM	NORM
			NORM	Normal		
			OFF			
62	TOUCH	After Touch Sensitivity	0-100		50	50
63	SELECT	After Touch Mode Selector	VCO	VCO LFO-2 MOD	VCO	VCO
			VCF	VCF FREQ		
64	RATE	LFO-2 Rate	0-100		55	55

