

SOUND DATA BOOK

DIGITAL SYNTHESIZER CZ SERIES

CASIO

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SOUND DATA (1)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. BRASS 1		

PARAMETER

LINE SELECT 1 + 1' (1,2,1+2',1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING OFF	NOISE OFF	+/- +	OCTAVE 0	NOTE 00	FINE 06	WAVE 1	DELAY 00	RATE 00	DEPTH 00	+/-	RANGE 0
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST 3	SECOND 5
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	68						
LEVEL	33	00						
SUS/END		END						

DCW 1

KEY FOLLOW 0	(0~9)
-----------------	-------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	80	47	37	26	50			
LEVEL	99	96	52	00	00			
SUS/END			SUS		END			

DCA 1

KEY FOLLOW 0	(0~9)
-----------------	-------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	77	67	79	33			
LEVEL	50	99	91	59	00			
SUS/END			SUS		END			

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW	(0~9)
------------	-------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW	(0~9)
------------	-------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (2)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. BRASS 2		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION RING NOISE OFF OFF <small>(ON/OFF)</small>	DETUNE +/- OCTAVE NOTE FINE + 0 00 07 <small>(+/-) (0-3) (0-11) (0-60)</small>	VIBRATO WAVE DELAY RATE DEPTH 1 60 50 08 <small>(1-4) (0-99) (0-99) (0-99)</small>	OCTAVE +/- RANGE 0 <small>(+/-) (0-1)</small>
--	---	--	--	---

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW	0	<small>(0-9)</small>
------------	----------	----------------------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	63	27	18	49	77	43		
LEVEL	81	65	50	64	50	00		
SUS/END					SUS	END		

DCA 1

KEY FOLLOW	0	<small>(0-9)</small>
------------	----------	----------------------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	36						
LEVEL	99	00						
SUS/END	SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	68						
LEVEL	60	00						
SUS/END		END						

DCW 2

KEY FOLLOW	2	<small>(0-9)</small>
------------	----------	----------------------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	76	55	33	39				
LEVEL	99	96	57	00				
SUS/END			SUS	END				

DCA 2

KEY FOLLOW	2	<small>(0-9)</small>
------------	----------	----------------------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	71	32	50	32				
LEVEL	99	91	59	00				
SUS/END		SUS		END				

COMMENT

SOUND DATA (3)

TONE NAME	CARTRIDGE NO.	TONE NO.
BRASS ENSEMBLE 3		

PARAMETER

LINE SELECT 1 + 1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	06	1	00	00	00		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	68						
LEVEL	33	00						
SUS/END		END						

(0-99)
(0-99)

DCW 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	76	47	37	26				
LEVEL	99	96	52	00				
SUS/END			SUS	END				

(0-99)
(0-99)

DCA 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	77	67	79	33			
LEVEL	50	99	91	59	00			
SUS/END			SUS	END				

(0-99)
(0-99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)
(0-99)

DCW 2

KEY FOLLOW
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)
(0-99)

DCA 2

KEY FOLLOW
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)
(0-99)

COMMENT

SOUND DATA (4)

TONE NAME	CARTRIDGE NO.	TONE NO.
STRING ENSEMBLE 2		

PARAMETER

LINE SELECT 1 + 1' <small>(1,2,1+2',1+1')</small>	MODULATION RING NOISE OFF OFF <small>(ON/OFF)</small>	DETUNE +/- OCTAVE NOTE FINE + 0 00 07 <small>(+/-) (0~3) (0~11) (0~60)</small>	VIBRATO WAVE DELAY RATE DEPTH 4 00 00 00 <small>(1~4) (0~99) (0~99) (0~99)</small>	OCTAVE +/- RANGE 0 <small>(+/-) (0~1)</small>
--	---	--	--	---

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
7
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	93	60	42					
LEVEL	99	87	00					
SUS/END		SUS	END					

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	75	55	55					
LEVEL	68	99	00					
SUS/END		SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (5)

TONE NAME	CARTRIDGE NO.	TONE NO.
STRING ENSEMBLE 3		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2,1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	06	1	26	51	12		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0~99)
(0~99)

DCW 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	70	35	30	50				
LEVEL	90	65	00	00				
SUS/END		SUS		END				

(0~99)
(0~99)

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	66	42	40					
LEVEL	91	89	00					
SUS/END		SUS	END					

(0~99)
(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0~99)
(0~99)

DCW 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	70	20	30	50				
LEVEL	95	80	00	00				
SUS/END		SUS		END				

(0~99)
(0~99)

DCA 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	66	12	40					
LEVEL	85	69	00					
SUS/END		SUS	END					

(0~99)
(0~99)

COMMENT

SOUND DATA (6)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. STRINGS 2		

PARAMETER

LINE SELECT 1+1' (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	10	1	7	53	18	+	1
	(ON/OFF)	(ON/OFF)	(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	4
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							
								(0~99)
								(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	83	37	41				
LEVEL	99	96	83	00				
SUS/END			SUS	END				
								(0~99)
								(0~99)

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	93	39						
LEVEL	87	00						
SUS/END	SUS	END						
								(0~99)
								(0~99)

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

COMMENT

SOUND DATA (7)

TONE NAME	CARTRIDGE NO.	TONE NO.
SOFT ORGAN		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	OFF	OFF	+	3	00	00	1	0	00	00	-	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
8
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	00						
LEVEL	67	00						
SUS/END	SUS	END						

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	59						
LEVEL	99	00						
SUS/END	SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
2	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	45							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
4
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	00						
LEVEL	67	00						
SUS/END	SUS	END						

DCA 2

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	84	59						
LEVEL	56	00						
SUS/END	SUS	END						

COMMENT

SOUND DATA (8)

TONE NAME	CARTRIDGE NO.	TONE NO.
JAZZ ORGAN		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	12	1	00	00	00		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
4	3
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	66	00						
SUS/END		END						
								<small>(0~99)</small>
								<small>(0~99)</small>

DCW 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	12	70	00	50				
LEVEL	19	00	23	00				
SUS/END			SUS	END				
								<small>(0~99)</small>
								<small>(0~99)</small>

DCA 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	65						
LEVEL	99	00						
SUS/END	SUS	END						
								<small>(0~99)</small>
								<small>(0~99)</small>

2

DCO 2

WAVE FORM	
FIRST	SECOND
4	3
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	57	00						
SUS/END		END						
								<small>(0~99)</small>
								<small>(0~99)</small>

DCW 2

KEY FOLLOW
9
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	73	00	50				
LEVEL	53	00	23	00				
SUS/END			SUS	END				
								<small>(0~99)</small>
								<small>(0~99)</small>

DCA 2

KEY FOLLOW
9
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	65						
LEVEL	99	00						
SUS/END	SUS	END						
								<small>(0~99)</small>
								<small>(0~99)</small>

COMMENT

SOUND DATA (9)

TONE NAME	CARTRIDGE NO.	TONE NO.
FANTASTIC PIANO		

PARAMETER

LINE SELECT 1+1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	07	1	62	39	06		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	0

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0~99)
(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)
(0~99)

DCW 1

KEY FOLLOW
8

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	55	37					
LEVEL	81	23	00					
SUS/END		SUS	END					

(0~99)
(0~99)

DCW 2

KEY FOLLOW

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)
(0~99)

DCA 1

KEY FOLLOW
0

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	63	33					
LEVEL	99	90	00					
SUS/END		SUS	END					

(0~99)
(0~99)

DCA 2

KEY FOLLOW

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)
(0~99)

COMMENT

SOUND DATA (10)

TONE NAME	CARTRIDGE NO.	TONE NO.
ACCORDION 2		

PARAMETER

LINE SELECT 1+2' (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	12	1	38	60	04	+	1
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	3
(1~8)	(0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	65	72	50						
LEVEL	33	08	00						(0~99)
SUS/END			END						

DCW 1

KEY FOLLOW	(0~9)
0	

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	74	56	37	26					
LEVEL	88	75	52	00					(0~99)
SUS/END			SUS	END					

DCA 1

KEY FOLLOW	(0~9)
0	

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	77	55	13	62					
LEVEL	81	87	72	00					(0~99)
SUS/END			SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
2	3
(1~8)	(0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	66	68	50						
LEVEL	52	00	00						(0~99)
SUS/END			END						

DCW 2

KEY FOLLOW	(0~9)
0	

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	99	83	02	26					
LEVEL	88	96	52	00					(0~99)
SUS/END			SUS	END					

DCA 2

KEY FOLLOW	(0~9)
0	

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	73	20	62						
LEVEL	96	78	00						(0~99)
SUS/END			SUS	END					

COMMENT

SOUND DATA (11)

TONE NAME	CARTRIDGE NO.	TONE NO.
HARPSICHORD		

PARAMETER

LINE SELECT 1+1' (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	-	1	00	00	1	00	00	00	+	1
	(ON/OFF)	(ON/OFF)	(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
4	0
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
2 (0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	96	17						
LEVEL	96	00						
SUS/END	SUS	END						

DCA 1

KEY FOLLOW
1 (0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	84	35	46					
LEVEL	99	00	00					
SUS/END		SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (12)

TONE NAME	CARTRIDGE NO.	TONE NO.
METALLIC HAMMER PIANO		

PARAMETER

LINE SELECT 1 + 2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	3	09	38	1	65	60	10		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0-99)

DCW 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99	81					
LEVEL	99	49	00					
SUS/END		SUS	END					

(0-99)

DCA 1

KEY FOLLOW
2
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	44	34					
LEVEL	96	76	00					
SUS/END		SUS	END					

(0-99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	4
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0-99)

DCW 2

KEY FOLLOW
4
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	90	50					
LEVEL	99	23	00					
SUS/END		SUS	END					

(0-99)

DCA 2

KEY FOLLOW
0
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	35	50					
LEVEL	99	55	00					
SUS/END		SUS	END					

(0-99)

COMMENT

SOUND DATA (13)

TONE NAME	CARTRIDGE NO.	TONE NO.
FUNKY CLAVI.		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	OFF	OFF	+	1	00	06	2	43	60	00		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	7
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99	99					
LEVEL	66	00	00					
SUS/END		SUS	END					

DCW 1

KEY FOLLOW
0
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	00						
LEVEL	50	00						
SUS/END	SUS	END						

DCA 1

KEY FOLLOW
0
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	33	57	99				
LEVEL	90	16	00	00				
SUS/END			SUS	END				

2

DCO 2

WAVE FORM	
FIRST	SECOND
3	7
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	00	00						
SUS/END	SUS	END						

DCW 2

KEY FOLLOW
0
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	00						
LEVEL	50	00						
SUS/END	SUS	END						

DCA 2

KEY FOLLOW
0
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	76	94	58	44	90			
LEVEL	01	99	90	00	00			
SUS/END				SUS	END			

COMMENT

SOUND DATA (14)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. GLOCKENSPIEL		

PARAMETER

LINE SELECT 1 + 1' (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	3	10	60	1	27	61	20	+	1
	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0

(1-8) (0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0-99) (0-99)

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1-8) (0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99) (0-99)

DCW 1

KEY FOLLOW
9

(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	12						
LEVEL	49	00						
SUS/END		END						

(0-99) (0-99)

DCW 2

KEY FOLLOW

(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99) (0-99)

DCA 1

KEY FOLLOW
0

(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	95	30						
LEVEL	99	00						
SUS/END		END						

(0-99) (0-99)

DCA 2

KEY FOLLOW

(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99) (0-99)

COMMENT

SOUND DATA (15)

TONE NAME	CARTRIDGE NO.	TONE NO.
XYLOPHONE		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	OFF	OFF	+	3	04	00	1	52	50	14		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	0

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0~99) (0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0~99) (0~99)

DCW 1

KEY FOLLOW
0

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

(0~99) (0~99)

DCW 2

KEY FOLLOW
0

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	62						
LEVEL	16	00						
SUS/END		END						

(0~99) (0~99)

DCA 1

KEY FOLLOW
4

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	55	52					
LEVEL	99	89	00					
SUS/END			END					

(0~99) (0~99)

DCA 2

KEY FOLLOW
4

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	49						
LEVEL	79	00						
SUS/END		END						

(0~99) (0~99)

COMMENT

SOUND DATA (16)

TONE NAME	CARTRIDGE NO.	TONE NO.
BELL-LYRA		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2,1+1)</small>	MODULATION RING NOISE ON OFF <small>(ON/OFF)</small>	DETUNE +/- OCTAVE NOTE FINE + 1 08 27 <small>(+/-) (0-3) (0-11) (0-60)</small>	VIBRATO WAVE DELAY RATE DEPTH 1 00 00 00 <small>(1-4) (0-99) (0-99) (0-99)</small>	OCTAVE +/- RANGE + 1 <small>(+/-) (0-1)</small>
--	--	--	--	---

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	80	00						
SUS/END		END						

DCW 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END		END						

DCA 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	48						
LEVEL	99	00						
SUS/END		END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	99	00						
SUS/END		END						

DCW 2

KEY FOLLOW
0
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	75	00						
SUS/END		END						

DCA 2

KEY FOLLOW
0
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	54						
LEVEL	99	00						
SUS/END	SUS	END						

COMMENT

SOUND DATA (17)

TONE NAME	CARTRIDGE NO.	TONE NO.
TRUMPET 2		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 2'	OFF	OFF	+	0	00	00	1	53	52	09		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	0
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
4
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	73	53	50					
LEVEL	99	88	00					
SUS/END		SUS	END					

DCA 1

KEY FOLLOW
1
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	55						
LEVEL	99	00						
SUS/END	SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
3	0
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
0
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	75	53	50					
LEVEL	99	88	00					
SUS/END		SUS	END					

DCA 2

KEY FOLLOW
0
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	55						
LEVEL	99	00						
SUS/END	SUS	END						

COMMENT

SOUND DATA (18)

TONE NAME	CARTRIDGE NO.	TONE NO.
FLUTE 2		

PARAMETER

LINE SELECT 1 + 2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	ON	-	1	08	00	1	42	60	11	+	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0~99)

(0~99)

DCW 1

KEY FOLLOW
8
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	60	00						
LEVEL	57	00						
SUS/END	SUS	END						

(0~99)

(0~99)

DCA 1

KEY FOLLOW
1
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	70	59	12	66			
LEVEL	36	91	99	93	00			
SUS/END				SUS	END			

(0~99)

(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

(0~99)

(0~99)

DCW 2

KEY FOLLOW
8
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	60	00						
LEVEL	57	00						
SUS/END	SUS	END						

(0~99)

(0~99)

DCA 2

KEY FOLLOW
5
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	66	36	78					
LEVEL	44	00	00					
SUS/END		SUS	END					

(0~99)

(0~99)

COMMENT

SOUND DATA (19)

TONE NAME	CARTRIDGE NO.	TONE NO.
BLUES HARMONICA		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+1'	OFF	OFF	+	0	00	01	4	16	61	12	+	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	4
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	47	00					
LEVEL	65	66	00					
SUS/END		SUS	END					

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	87	87	87	87	87	87	87	00
LEVEL	99	75	99	75	99	75	99	00
SUS/END							SUS	END

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	80	75						
LEVEL	87	00						
SUS/END	SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (20)

TONE NAME	CARTRIDGE NO.	TONE NO.
DOUBLE REED		

PARAMETER

LINE SELECT 1 + 2' (1,2,1+2',1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	00	1	50	60	05	+	1
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	4

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	87	50					
LEVEL	29	00	00					
SUS/END		SUS	END					

(0~99)

(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
3	4

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	73						
LEVEL	66	00						
SUS/END		END						

(0~99)

(0~99)

DCW 1

KEY FOLLOW
9

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	74	93	50					
LEVEL	93	86	00					
SUS/END		SUS	END					

(0~99)

(0~99)

DCW 2

KEY FOLLOW
8

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	74	50						
LEVEL	89	00						
SUS/END	SUS	END						

(0~99)

(0~99)

DCA 1

KEY FOLLOW
1

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	64						
LEVEL	99	00						
SUS/END	SUS	END						

(0~99)

(0~99)

DCA 2

KEY FOLLOW
0

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	83	65						
LEVEL	99	00						
SUS/END	SUS	END						

(0~99)

(0~99)

COMMENT

SOUND DATA (21)

CELO	CELO	CELO
CELO	CELO	CELO

PARAMETER

LINE SELECT 1 <small>(1,2,1+2',1+1)</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	00	1	50	53	12		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	4
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0 <small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	83	59	31	85	50			
LEVEL	99	66	48	00	00			
SUS/END		SUS			END			

DCA 1

KEY FOLLOW
2 <small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	62	34	25	50				
LEVEL	68	99	70	00				
SUS/END			SUS	END				

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (22)

TONE NAME	CARTRIDGE NO.	TONE NO.
WOOD BASS		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION RING NOISE ON OFF <small>(ON/OFF)</small>	DETUNE +/- OCTAVE NOTE FINE - 1 00 00 <small>(+/-) (0~3) (0~11) (0~60)</small>	VIBRATO WAVE DELAY RATE DEPTH 1 31 50 29 <small>(1~4) (0~99) (0~99) (0~99)</small>	OCTAVE +/- RANGE - 1 <small>(+/-) (0~1)</small>
--	--	--	--	---

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	92	44	47					
LEVEL	80	62	00					
SUS/END			END					

DCA 1

KEY FOLLOW
3
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	33	42					
LEVEL	99	00	00					
SUS/END			END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00	00						
LEVEL	02	00						
SUS/END		END						

DCW 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	92	44	44					
LEVEL	80	62	00					
SUS/END			END					

DCA 2

KEY FOLLOW
3
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	33	86					
LEVEL	99	00	00					
SUS/END			END					

COMMENT

SOUND DATA (23)

TONE NAME	CARTRIDGE NO.	TONE NO.
ELEC. GUITAR 1		

PARAMETER

LINE SELECT 1+1' (1,2,1+2,1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	00	1	65	52	15	+	1
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	4
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	93	93	93	93	93	93	93	93
LEVEL	66	00	66	00	66	00	66	00
SUS/END								END

DCW 1

KEY FOLLOW
6
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	82	99	82	99	23	50	
LEVEL	70	99	70	99	85	00	00	
SUS/END								END

DCA 1

KEY FOLLOW
4
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	95	99	80	20	58	65	
LEVEL	62	99	82	99	75	51	00	
SUS/END					SUS		END	

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (24)

TONE NAME	CARTRIDGE NO.	TONE NO.
ELEC. GUITAR 2		

PARAMETER

LINE SELECT 1 + 1' <small>(1,2,1+2;1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	1	07	04	1	33	23	06		0
	<small>(ON/OFF)</small>		<small>(+/-) (0~3) (0~11) (0~60)</small>				<small>(1~4) (0~99) (0~99) (0~99)</small>				<small>(+/-) (0~1)</small>	

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	4
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
7
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	97	43	50	50				
LEVEL	99	79	87	00				
SUS/END			SUS	END				

DCA 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	21	61					
LEVEL	99	88	00					
SUS/END		SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (25)

TONE NAME	CARTRIDGE NO.	TONE NO.
ELEC. BASS		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+1'	ON	OFF	+	0	07	04	1	33	55	23		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	3
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
7
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	97	43	50	52				
LEVEL	99	79	74	00				
SUS/END			SUS	END				

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	21	61					
LEVEL	99	00	00					
SUS/END		SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (26)

TONE NAME	CARTRIDGE NO.	TONE NO.
FAT BASS		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION RING NOISE ON OFF <small>(ON/OFF)</small>	DETUNE +/- OCTAVE NOTE FINE + 0 00 12 <small>(+/-) (0~3) (0~11) (0~60)</small>	VIBRATO WAVE DELAY RATE DEPTH 1 54 49 12 <small>(1~4) (0~99) (0~99) (0~99)</small>	OCTAVE +/- RANGE - 1 <small>(+/-) (0~1)</small>
--	--	--	--	---

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	5
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	66	72	43	65				
LEVEL	58	00	05	00				
SUS/END				END				

DCW 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	82	42	00					
LEVEL	88	63	00					
SUS/END			END					

DCA 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	28	56					
LEVEL	99	00	00					
SUS/END			END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
2	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
7
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	92	42	00					
LEVEL	80	62	00					
SUS/END			END					

DCA 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	90	33	86					
LEVEL	99	00	00					
SUS/END			END					

COMMENT

SOUND DATA (27)

TONE NAME	CARTRIDGE NO.	TONE NO.
HUMAN VOICE 1		

PARAMETER

LINE SELECT 1+1' (1,2,1+2,1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	0	00	08	1	34	54	27	-	1
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	40	00					
LEVEL	65	66	00					
SUS/END		SUS	END					

(0~99) (0~99)

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

(0~99) (0~99)

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	69	23	31	52				
LEVEL	88	99	77	00				
SUS/END			SUS	END				

(0~99) (0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

COMMENT

SOUND DATA (28)

TONE NAME	CARTRIDGE NO.	TONE NO.
HUMAN VOICE 2		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	OFF	OFF	+	1	00	10	1	24	54	20	-	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	40	00					
LEVEL	65	66	00					
SUS/END		SUS	END					

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	59	21	31	60				
LEVEL	99	74	75	00				
SUS/END		SUS		END				

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
4
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	46	35	54					
LEVEL	65	20	00					
SUS/END		SUS	END					

DCA 2

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	67	21	12	35				
LEVEL	90	77	90	00				
SUS/END			SUS	END				

COMMENT

SOUND DATA (29)

TONE NAME	CARTRIDGE NO.	TONE NO.
CARILLON		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	2	1	45	1	00	23	02		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0~99)
(0~99)

DCW 1

KEY FOLLOW
1

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	12						
LEVEL	12	00						
SUS/END		END						

(0~99)
(0~99)

DCA 1

KEY FOLLOW
2

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	95	30						
LEVEL	99	00						
SUS/END		END						

(0~99)
(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
2	0

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

(0~99)
(0~99)

DCW 2

KEY FOLLOW
1

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	98	38						
LEVEL	65	00						
SUS/END		END						

(0~99)
(0~99)

DCA 2

KEY FOLLOW
2

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	95	23						
LEVEL	99	00						
SUS/END		END						

(0~99)
(0~99)

COMMENT

SOUND DATA (30)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. BLOCKS		

PARAMETER

LINE SELECT 1 + 2' <small>(1,2,1+2,1+1)</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	0	.08	30	1	00	00	00	+	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
2	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	76	89						
LEVEL	42	00						
SUS/END		END						

DCW 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	76	89						
LEVEL	42	00						
SUS/END		END						

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	57						
LEVEL	99	00						
SUS/END		END						

DCA 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	57						
LEVEL	99	00						
SUS/END		END						

COMMENT

SOUND DATA (31)

TONE NAME	CARTRIDGE NO.	TONE NO.
CALIMBA		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	ON	OFF	+	1	10	25	1	00	00	00		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	1
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	94	99						
LEVEL	99	00						
SUS/END		END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	2
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	99	00						
SUS/END		END						

DCW 2

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	99	00						
SUS/END		END						

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	44						
LEVEL	99	00						
SUS/END		END						

DCA 2

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	55						
LEVEL	99	00						
SUS/END		END						

COMMENT

SOUND DATA (32)

TONE NAME	CARTRIDGE NO.	TONE NO.
AFRO-PERCUSSION		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1	OFF	OFF	+	0	00	00	1	00	00	00		0
(1,2,1+2,1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	90	90						
LEVEL	76	00						
SUS/END		END						
								(0~99)
								(0~99)

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50						
LEVEL	15	00						
SUS/END	SUS	END						
								(0~99)
								(0~99)

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	49						
LEVEL	99	00						
SUS/END		END						
								(0~99)
								(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								
								(0~99)
								(0~99)

COMMENT

SOUND DATA (33)

TONE NAME	CARTRIDGE NO.	TONE NO.
STEEL DRUM 1		

PARAMETER

LINE SELECT 1+1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING ON	NOISE OFF	+/- +	OCTAVE 2	NOTE 03	FINE 08	WAVE 1	DELAY 0	RATE 38	DEPTH 15	+/- 0	RANGE 0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST 5	SECOND 0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	76						
LEVEL	62	00						
SUS/END		END						

DCW 1

KEY FOLLOW 0	<small>(0~9)</small>
------------------------	----------------------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	51						
LEVEL	83	00						
SUS/END		END						

DCA 1

KEY FOLLOW 2	<small>(0~9)</small>
------------------------	----------------------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	52						
LEVEL	99	00						
SUS/END		END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW	<small>(0~9)</small>
------------	----------------------

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW	<small>(0~9)</small>
------------	----------------------

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (34)

TONE NAME	CARTRIDGE NO.	TONE NO.
STEEL DRUM 2		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
1+2'	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
(1,2,1+2;1+1)	ON	OFF	+	0	03	07	1	00	24	09		0
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	0
(1~8)	(0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	50								
LEVEL	00								(0~99)
SUS/END	END								

DCW 1

KEY FOLLOW	0	(0~9)
------------	---	-------

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	76	58							
LEVEL	42	00							(0~99)
SUS/END		END							

DCA 1

KEY FOLLOW	0	(0~9)
------------	---	-------

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	99	49	34	50					
LEVEL	99	80	00	00					(0~99)
SUS/END				END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
3	0
(1~8)	(0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	50								
LEVEL	00								(0~99)
SUS/END	END								

DCW 2

KEY FOLLOW	0	(0~9)
------------	---	-------

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	76	85							
LEVEL	61	00							(0~99)
SUS/END		END							

DCA 2

KEY FOLLOW	0	(0~9)
------------	---	-------

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	99	48	60						
LEVEL	80	00	00						(0~99)
SUS/END			END						

COMMENT

SOUND DATA (35)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. DRUMS 1		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1+2'	OFF	ON	+	0	10	00	3	00	55	99	-	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	5
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	94	99						
LEVEL	99	00						
SUS/END		END						

DCW 1

KEY FOLLOW
0
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	99	00						
SUS/END		END						

DCA 1

KEY FOLLOW
0
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	45	30					
LEVEL	99	00	00					
SUS/END		SUS	END					

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99	13					
LEVEL	99	53	00					
SUS/END		SUS	END					

DCW 2

KEY FOLLOW
8
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50						
LEVEL	99	00						
SUS/END	SUS	END						

DCA 2

KEY FOLLOW
1
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	53	35					
LEVEL	99	35	00					
SUS/END		SUS	END					

COMMENT

SOUND DATA (36)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. DRUMS 2		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	ON	+	0	10	00	1	00	00	00	-	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	5
<small>(1-8)</small>	<small>(0-8)</small>

	E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	42							<small>(0-99)</small>
LEVEL	70	00							<small>(0-99)</small>
SUS/END		END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
5	0
<small>(1-8)</small>	<small>(0-8)</small>

	E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	99	13						<small>(0-99)</small>
LEVEL	99	53	00						<small>(0-99)</small>
SUS/END		SUS	END						

DCW 1

KEY FOLLOW	
0	<small>(0-9)</small>

	E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	99							<small>(0-99)</small>
LEVEL	99	00							<small>(0-99)</small>
SUS/END		END							

DCW 2

KEY FOLLOW	
8	<small>(0-9)</small>

	E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	50							<small>(0-99)</small>
LEVEL	99	00							<small>(0-99)</small>
SUS/END		SUS	END						

DCA 1

KEY FOLLOW	
9	<small>(0-9)</small>

	E N V (AMP)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	53							<small>(0-99)</small>
LEVEL	99	00							<small>(0-99)</small>
SUS/END		END							

DCA 2

KEY FOLLOW	
0	<small>(0-9)</small>

	E N V (AMP)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	50	52						<small>(0-99)</small>
LEVEL	92	00	00						<small>(0-99)</small>
SUS/END		SUS	END						

COMMENT

SOUND DATA (37)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. DRUMS 3		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	08	01	1	00	00	00	-	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	5
<small>(1-8)</small>	<small>(0-8)</small>

	E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	42							<small>(0-99)</small>
LEVEL	70	00							<small>(0-99)</small>
SUS/END		END							

DCW 1

KEY FOLLOW
0
<small>(0-9)</small>

	E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	99							<small>(0-99)</small>
LEVEL	99	00							<small>(0-99)</small>
SUS/END		END							

DCA 1

KEY FOLLOW
9
<small>(0-9)</small>

	E N V (AMP)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	43	50						<small>(0-99)</small>
LEVEL	99	00	00						<small>(0-99)</small>
SUS/END		SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	5
<small>(1-8)</small>	<small>(0-8)</small>

	E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	42							<small>(0-99)</small>
LEVEL	66	00							<small>(0-99)</small>
SUS/END		END							

DCW 2

KEY FOLLOW
8
<small>(0-9)</small>

	E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	99							<small>(0-99)</small>
LEVEL	99	00							<small>(0-99)</small>
SUS/END		END							

DCA 2

KEY FOLLOW
0
<small>(0-9)</small>

	E N V (AMP)								
STEP	1	2	3	4	5	6	7	8	
RATE	99	47	52						<small>(0-99)</small>
LEVEL	92	00	00						<small>(0-99)</small>
SUS/END		SUS	END						

COMMENT

SOUND DATA (38)

TONE NAME	CARTRIDGE NO.	TONE NO.
SCRATCH SOUND		

PARAMETER

LINE SELECT 1 + 1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	ON	+	0	00	06	2	00	67	99	-	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
2	5
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	63	76	67					
LEVEL	81	69	00					
SUS/END		SUS	END					

(0-99)

DCW 1

KEY FOLLOW
4
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	55	41						
LEVEL	59	00						
SUS/END	SUS	END						

(0-99)

DCA 1

KEY FOLLOW
5
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	68	47	66	88				
LEVEL	99	87	00	00				
SUS/END			SUS	END				

(0-99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

DCW 2

KEY FOLLOW
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

DCA 2

KEY FOLLOW
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

COMMENT

SOUND DATA (39)

TONE NAME	CARTRIDGE NO.	TONE NO.
SOUTHERN WING		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	OFF	OFF	+	0	00	07	1	00	00	00	+	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
4	3

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00	47	68	60				
LEVEL	00	44	00	00				
SUS/END			SUS	END				

(0~99) (0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCW 1

KEY FOLLOW
0

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	68	37					
LEVEL	81	99	00					
SUS/END		SUS	END					

(0~99) (0~99)

DCW 2

KEY FOLLOW

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCA 1

KEY FOLLOW
0

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	62	33					
LEVEL	87	75	00					
SUS/END		SUS	END					

(0~99) (0~99)

DCA 2

KEY FOLLOW

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

COMMENT

SOUND DATA (40)

TONE NAME	CARTRIDGE NO.	TONE NO.
SYNTH. HARP		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	0	00	05	1	51	52	05	-	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
5	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50	0	50				
LEVEL	99	30	99	00				
SUS/END			SUS	END				

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	90	30						
LEVEL	99	00						
SUS/END	SUS	END						

2

DCO 2

WAVE FORM	
FIRST	SECOND
4	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	82	46	50	00			
LEVEL	99	85	60	00	00			
SUS/END				SUS	END			

DCA 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	89	50	50				
LEVEL	99	70	80	00				
SUS/END			SUS	END				

COMMENT

SOUND DATA (41)

TONE NAME	CARTRIDGE NO.	TONE NO.
FANTASTIC SOUND 1		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1	OFF	OFF	+	0	00	00	1	30	47	3	+	1
(1,2,1+2;1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	00							
LEVEL	00							
SUS/END	END							

DCA 1

KEY FOLLOW
1
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	75	75	49	49	49	49	39	
LEVEL	99	84	43	67	24	61	00	
SUS/END		SUS					END	

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (42)

TONE NAME	CARTRIDGE NO.	TONE NO.
FANTASTIC SOUND 2		

PARAMETER

LINE SELECT 1 <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	00	1	71	40	39		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	64	64	64	64	00			
LEVEL	64	65	66	66	00			
SUS/END				SUS	END			

(0~99)

(0~99)

DCW 1

KEY FOLLOW
9
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	20	28	00					
LEVEL	46	00	00					
SUS/END			END					

(0~99)

(0~99)

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	84	38	70	44	73	47	73	29
LEVEL	99	34	76	38	83	38	87	00
SUS/END	SUS							END

(0~99)

(0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)

(0~99)

DCW 2

KEY FOLLOW
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)

(0~99)

DCA 2

KEY FOLLOW
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99)

(0~99)

COMMENT

SOUND DATA (43)

TONE NAME	CARTRIDGE NO.	TONE NO.
FANTASTIC SOUND 3		

PARAMETER

LINE SELECT 1+2' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	0	00	06	1	00	00	00		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	90						
LEVEL	46	00						
SUS/END		END						

DCW 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCA 1

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50	50	50	50	50	50	35
LEVEL	99	35	85	35	70	35	55	00
SUS/END	SUS							END

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	90						
LEVEL	99	00						
SUS/END		END						

DCW 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCA 2

KEY FOLLOW
0
<small>(0~9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50	50	50	50	50	50	35
LEVEL	55	35	80	35	70	35	55	00
SUS/END	SUS							END

COMMENT

SOUND DATA (44)

TONE NAME	CARTRIDGE NO.	TONE NO.
CAVERNOUS SOUND		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	ON	OFF	-	3	3	26	2	00	89	38	+	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	2
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCW 2

KEY FOLLOW
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

DCA 1

KEY FOLLOW
4
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	50	40	30				
LEVEL	99	94	75	00				
SUS/END				END				

DCA 2

KEY FOLLOW
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

COMMENT

SOUND DATA (45)

TONE NAME	CARTRIDGE NO.	TONE NO.
DANGEROUS SOUND		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 2'	OFF	OFF	+	3	07	03	2	60	52	73		0
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	3
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	0
(1~8)	(0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	00	55	40	28				
LEVEL	01	99	70	00				
SUS/END			SUS	END				

DCW 2

KEY FOLLOW
9
(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99	99						
LEVEL	40	00						
SUS/END	SUS	END						

DCA 1

KEY FOLLOW
0
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	94	55	35					
LEVEL	99	90	00					
SUS/END		SUS	END					

DCA 2

KEY FOLLOW
3
(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	56	38					
LEVEL	44	28	00					
SUS/END		SUS	END					

COMMENT

SOUND DATA (46)

TONE NAME	CARTRIDGE NO.	TONE NO.
LASER GUN 1		

PARAMETER

LINE SELECT 1+1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	0	01	06	1	36	66	46		0
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0-3)</small>	<small>(0-11)</small>	<small>(0-60)</small>	<small>(1-4)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(0-99)</small>	<small>(+/-)</small>	<small>(0-1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
3	2
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	55	54	00					
LEVEL	82	39	00					
SUS/END	SUS		END					

(0-99)

(0-99)

DCW 1

KEY FOLLOW
4
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	82	26	00					
LEVEL	92	45	00					
SUS/END	SUS		END					

(0-99)

(0-99)

DCA 1

KEY FOLLOW
0
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	62	37	45					
LEVEL	99	68	00					
SUS/END	SUS		END					

(0-99)

(0-99)

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

(0-99)

DCW 2

KEY FOLLOW
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

(0-99)

DCA 2

KEY FOLLOW
<small>(0-9)</small>

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0-99)

(0-99)

COMMENT

SOUND DATA (47)

TONE NAME	CARTRIDGE NO.	TONE NO.
LASER GUN 2		

PARAMETER

LINE SELECT 1+1' <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	ON	OFF	+	0	00	07	4	00	81	99	+	1
	<small>(ON/OFF)</small>		<small>(+/-)</small>	<small>(0~3)</small>	<small>(0~11)</small>	<small>(0~60)</small>	<small>(1~4)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(0~99)</small>	<small>(+/-)</small>	<small>(0~1)</small>

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE	99	91							
LEVEL	72	00							<small>(0~99)</small>
SUS/END		END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE									
LEVEL									<small>(0~99)</small>
SUS/END									

DCW 1

KEY FOLLOW	<small>(0~9)</small>
0	

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE	99	76							
LEVEL	99	00							<small>(0~99)</small>
SUS/END		END							

DCW 2

KEY FOLLOW	<small>(0~9)</small>

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE									
LEVEL									<small>(0~99)</small>
SUS/END									

DCA 1

KEY FOLLOW	<small>(0~9)</small>
0	

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE	99	55	50	25	60				
LEVEL	99	90	60	00	00				<small>(0~99)</small>
SUS/END		SUS		END					

DCA 2

KEY FOLLOW	<small>(0~9)</small>

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE									
LEVEL									<small>(0~99)</small>
SUS/END									

COMMENT

SOUND DATA (48)

TONE NAME	CARTRIDGE NO.	TONE NO.
TYPHOON SOUND		

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 2'	OFF	ON	-	1	00	00	3	00	04	30	-	1
(1,2,1+2',1+1')	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND
1	0
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	50							
LEVEL	00							
SUS/END	END							

DCW 1

KEY FOLLOW
0
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

DCA 1

KEY FOLLOW
0
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99							
LEVEL	00							
SUS/END	END							

2

DCO 2

WAVE FORM	
FIRST	SECOND
1	2
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	99	68	18	34	40	45	35	50
LEVEL	33	00	66	00	65	00	64	00
SUS/END								END

DCW 2

KEY FOLLOW
9
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	35	47	37	26	20	50	23	50
LEVEL	44	18	29	45	11	52	37	00
SUS/END							SUS	END

DCA 2

KEY FOLLOW
8
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	72	37	30	33	27	34	35	22
LEVEL	64	99	59	93	77	99	89	00
SUS/END							SUS	END

COMMENT

SOUND DATA

TONE NAME	CARTRIDGE NO.	TONE NO.

PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
(1,2,1+2,1+1)	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCW 1

KEY FOLLOW

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCA 1

KEY FOLLOW

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCW 2

KEY FOLLOW

(0~9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

DCA 2

KEY FOLLOW

(0~9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE								
LEVEL								
SUS/END								

(0~99) (0~99)

COMMENT

SOUND DATA

TONE NAME	CARTRIDGE NO.	TONE NO.

PARAMETER

LINE SELECT (1,2,1+2,1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	(ON/OFF)		(+/-)	(0-3)	(0-11)	(0-60)	(1-4)	(0-99)	(0-99)	(0-99)	(+/-)	(0-1)

1

DCO 1

WAVE FORM	
FIRST	SECOND

(1-8) (0-8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

DCW 1

KEY FOLLOW	(0-9)
------------	-------

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

DCA 1

KEY FOLLOW	(0-9)
------------	-------

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1-8) (0-8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

DCW 2

KEY FOLLOW	(0-9)
------------	-------

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

DCA 2

KEY FOLLOW	(0-9)
------------	-------

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0-99)
LEVEL									(0-99)
SUS/END									

COMMENT

SOUND DATA

TONE NAME	CARTRIDGE NO.	TONE NO.

PARAMETER

LINE SELECT (1,2+2',1+1)	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	(ON/OFF)		(+/-)	(0~3)	(0~11)	(0~60)	(1~4)	(0~99)	(0~99)	(0~99)	(+/-)	(0~1)

1

DCO 1

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

2

DCO 2

WAVE FORM	
FIRST	SECOND

(1~8) (0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

DCW 1

KEY FOLLOW

(0~9)

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

DCW 2

KEY FOLLOW

(0~9)

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

DCA 1

KEY FOLLOW

(0~9)

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

DCA 2

KEY FOLLOW

(0~9)

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE									(0~99)
LEVEL									(0~99)
SUS/END									

COMMENT

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