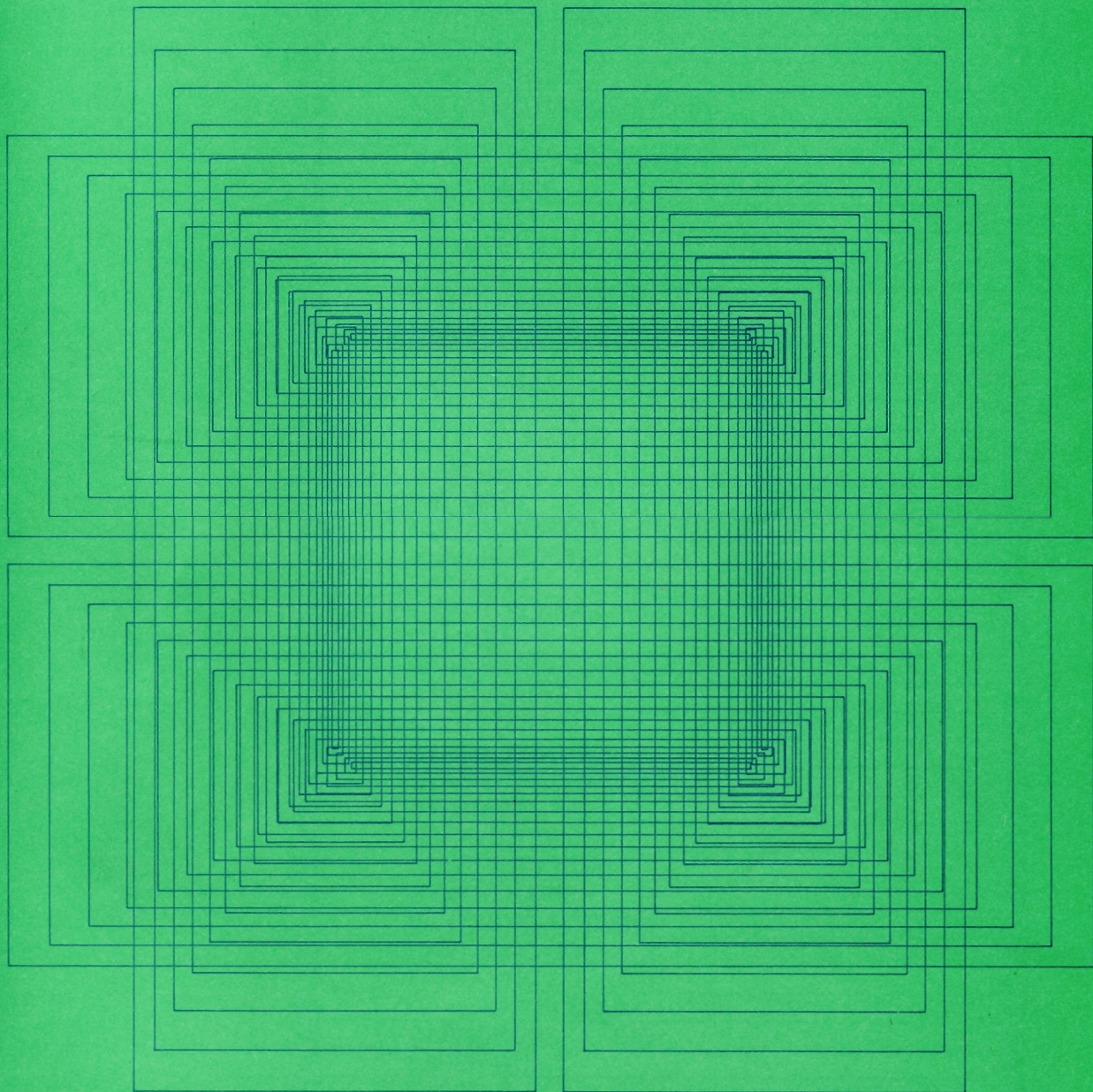


# SOUND DATA BOOK

DIGITAL SYNTHESIZER CZ SERIES



CASIO®

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# SOUND DATA (1)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. BRASS 1</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
1 + 1'	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
(1,2,1+2',1+1')	OFF	OFF	+	0	00	06	1	00	00	00		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
3	5
(1~8)	(0~8)

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	(0~99)
RATE	99	68							
LEVEL	33	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	80	47	37	26	50				
LEVEL	99	96	52	00	00				(0~99)
SUS/END			SUS		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	77	67	79	33				
LEVEL	50	99	91	59	00				(0~99)
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	(0~99)
RATE									
LEVEL									(0~99)
SUS/END									

#### DCW 2

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

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

#### DCA 2

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

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

## COMMENT

# SOUND DATA (2)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. BRASS 2</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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	60	50	08		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
<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.
<b>BRASS ENSEMBLE 3</b>		

## 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						

#### 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				

#### 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			

### 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 (4)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>STRING ENSEMBLE 2</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	OFF	OFF	+	0	00	07	4	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
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
7
(0-9)

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
(0-9)

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
(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 (5)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>STRING ENSEMBLE 3</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 2'	OFF	OFF	+	0	00	06	1	26	51	12		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	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							
								(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	70	35	30	50				
LEVEL	90	65	00	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	66	42	40					
LEVEL	91	89	00					
SUS/END		SUS	END					
								(0~99)
								(0~99)

### 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							
								(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	70	20	30	50				
LEVEL	95	80	00	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	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.
<b>SYNTH. STRINGS 2</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	OFF	OFF	+	0	00	10	1	7	53	18	+	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	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							

### 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	83	37	41				
LEVEL	99	96	83	00				
SUS/END			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 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						

#### 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 (7)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SOFT ORGAN</b>		

## PARAMETER

LINE SELECT	MODULATION	
	RING	NOISE
1 + 2'	OFF	OFF

(1,2,1+2',1+1') (ON/OFF)

+/-	DETUNE		
	OCTAVE	NOTE	FINE
+	3	00	00

(+/-) (0~3) (0~11) (0~60)

WAVE	VIBRATO		
	DELAY	RATE	DEPTH
1	0	00	00

(1~4) (0~99) (0~99) (0~99)

+/-	OCTAVE
	RANGE
-	1

(+/-) (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)

### 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						

(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	83	59						
LEVEL	99	00						
SUS/END	SUS	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	45							
LEVEL	00							
SUS/END	END							

(0~99) (0~99)

### 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						

(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	84	59						
LEVEL	56	00						
SUS/END	SUS	END						

(0~99) (0~99)

## COMMENT

# SOUND DATA (8)

<b>TONE NAME</b>	<b>CARTRIDGE NO.</b>	<b>TONE NO.</b>
<b>JAZZ ORGAN</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>OFF</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>00</b>	<b>12</b>	<b>1</b>	<b>00</b>	<b>00</b>	<b>00</b>		<b>0</b>
	<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
<b>4</b>	<b>3</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

### DCW 1

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

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

### DCA 1

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

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

## COMMENT

## 2

### DCO 2

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

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

### DCW 2

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

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

### DCA 2

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

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

# SOUND DATA (9)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>FANTASTIC PIANO</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <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
<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							

(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	99	55	37					
LEVEL	81	23	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	63	33					
LEVEL	99	90	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 (10)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>ACCORDION 2</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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	38	60	04	+	1
	<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
2	3
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	65	72	50					
LEVEL	33	08	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	74	56	37	26				
LEVEL	88	75	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	77	55	13	62				
LEVEL	81	87	72	00				
SUS/END			SUS	END				

(0-99)

(0-99)

### 2

#### DCO 2

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

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	66	68	50					
LEVEL	52	00	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	99	83	02	26				
LEVEL	88	96	52	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	73	20	62					
LEVEL	96	78	00					
SUS/END		SUS	END					

(0-99)

(0-99)

## COMMENT

# SOUND DATA (11)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>HARPSICHORD</b>		

## PARAMETER

LINE SELECT 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)		(+/-)	(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)

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

### DCW 1

KEY FOLLOW	(0-9)
2	

STEP	E N V (WAVE)								
	1	2	3	4	5	6	7	8	
RATE	96	17							(0-99)
LEVEL	96	00							(0-99)
SUS/END	SUS	END							

### DCA 1

KEY FOLLOW	(0-9)
1	

STEP	E N V (AMP)								
	1	2	3	4	5	6	7	8	
RATE	84	35	46						(0-99)
LEVEL	99	00	00						(0-99)
SUS/END		SUS	END						

## 2

### DCO 2

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

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

### DCW 2

KEY FOLLOW	(0-9)

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

### DCA 2

KEY FOLLOW	(0-9)

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

## COMMENT

# SOUND DATA (12)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>METALLIC HAMMER PIANO</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>3</b>	<b>09</b>	<b>38</b>	<b>1</b>	<b>65</b>	<b>60</b>	<b>10</b>		<b>0</b>
	(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
<b>1</b>	<b>0</b>
(1-8)	(0-8)

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

### 2

#### DCO 2

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

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

#### DCW 1

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

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

#### DCW 2

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

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

#### DCA 1

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

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

#### DCA 2

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

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

## COMMENT

# SOUND DATA (13)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>FUNKY CLAVI.</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>OFF</b>	<b>OFF</b>	<b>+</b>	<b>1</b>	<b>00</b>	<b>06</b>	<b>2</b>	<b>43</b>	<b>60</b>	<b>00</b>		<b>0</b>
	<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
<b>3</b>	<b>7</b>
<small>(1~8)</small>	<small>(0~8)</small>

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

(0~99)  
(0~99)

#### DCW 1

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

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

(0~99)  
(0~99)

#### DCA 1

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

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

(0~99)  
(0~99)

### 2

#### DCO 2

WAVE FORM	
FIRST	SECOND
<b>3</b>	<b>7</b>
<small>(1~8)</small>	<small>(0~8)</small>

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

(0~99)  
(0~99)

#### DCW 2

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

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

(0~99)  
(0~99)

#### DCA 2

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

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

(0~99)  
(0~99)

## COMMENT

# SOUND DATA (14)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. GLOCKENSPIEL</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	ON	OFF	+	3	10	60	1	27	61	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
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
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)

#### 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)

### 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 (15)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>XYLOPHONE</b>		

## 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							

#### 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
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					

### 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							

#### 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						

#### 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						

## COMMENT

# SOUND DATA (16)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>BELL-LYRA</b>		

## PARAMETER

LINE SELECT <b>1+2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>1</b>	<b>08</b>	<b>27</b>	<b>1</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>+</b>	<b>1</b>
	<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
<b>1</b>	<b>0</b>
<small>(1~8)</small>	<small>(0~8)</small>

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

(0~99)

### DCW 1

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

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

(0~99)

### DCA 1

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

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

(0~99)

## 2

### DCO 2

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

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

(0~99)

### DCW 2

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

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

(0~99)

### DCA 2

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

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

(0~99)

## COMMENT

# SOUND DATA (17)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>TRUMPET 2</b>		

## 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.
<b>FLUTE 2</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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							

### 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						

### 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			

## 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							

### 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						

### 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					

## COMMENT

# SOUND DATA (19)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>BLUES HARMONICA</b>		

## PARAMETER

LINE SELECT	MODULATION	
	RING	NOISE
1 + 1'	OFF	OFF

(1,2,1+2',1+1')

(ON/OFF)

DETUNE			
+/-	OCTAVE	NOTE	FINE
+	0	00	01

(+/-) (0-3) (0-11) (0-60)

VIBRATO			
WAVE	DELAY	RATE	DEPTH
4	16	61	12

(1-4) (0-99) (0-99) (0-99)

OCTAVE	
+/-	RANGE
+	1

(+/-) (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					

(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	87	87	87	87	87	87	87	00
LEVEL	99	75	99	75	99	75	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	80	75						
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 (20)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>DOUBLE REED</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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	60	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
3	4
<small>(1-8)</small>	<small>(0-8)</small>

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)

#### DCW 1

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

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)

#### DCA 1

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

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)

### 2

#### DCO 2

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	99	73						
LEVEL	66	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	74	50						
LEVEL	89	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	83	65						
LEVEL	99	00						
SUS/END	SUS	END						

(0-99)  
(0-99)

## COMMENT

# SOUND DATA (21)

<b>TONE NAME</b>	<b>CARTRIDGE NO.</b>	<b>TONE NO.</b>
<b>CELLO</b>		

## PARAMETER

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

### 1

#### DCO 1

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

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

#### DCW 1

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

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE	<b>83</b>	<b>59</b>	<b>31</b>	<b>85</b>	<b>50</b>				<small>(0-99)</small>
LEVEL	<b>99</b>	<b>66</b>	<b>48</b>	<b>00</b>	<b>00</b>				<small>(0-99)</small>
SUS/END		SUS			END				

#### DCA 1

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

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE	<b>62</b>	<b>34</b>	<b>25</b>	<b>50</b>					<small>(0-99)</small>
LEVEL	<b>68</b>	<b>99</b>	<b>70</b>	<b>00</b>					<small>(0-99)</small>
SUS/END			SUS	END					

### 2

#### DCO 2

WAVE FORM	
FIRST	SECOND

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

#### DCW 2

KEY FOLLOW

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

#### DCA 2

KEY FOLLOW

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

## COMMENT

# SOUND DATA (22)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>WOOD BASS</b>		

## PARAMETER

LINE SELECT <b>1+2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	-	1	00	00	1	31	50	29	-	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
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.
<b>ELEC. GUITAR 1</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <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	65	52	15	+	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
3	4
<small>(1-8)</small>	<small>(0-8)</small>

E N V (PITCH)									
STEP	1	2	3	4	5	6	7	8	
RATE	93	93	93	93	93	93	93	93	<small>(0-99)</small>
LEVEL	66	00	66	00	66	00	66	00	<small>(0-99)</small>
SUS/END								END	

#### DCW 1

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

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	
RATE	99	82	99	82	99	23	50		<small>(0-99)</small>
LEVEL	70	99	70	99	85	00	00		<small>(0-99)</small>
SUS/END								END	

#### DCA 1

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

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	
RATE	99	95	99	80	20	58	65		<small>(0-99)</small>
LEVEL	62	99	82	99	75	51	00		<small>(0-99)</small>
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									<small>(0-99)</small>
LEVEL									<small>(0-99)</small>
SUS/END									

#### DCW 2

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

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

#### DCA 2

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

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

## COMMENT

# SOUND DATA (24)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>ELEC. GUITAR 2</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING <b>ON</b>	NOISE <b>OFF</b>	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>1</b>	<b>07</b>	<b>04</b>	<b>1</b>	<b>33</b>	<b>23</b>	<b>06</b>		<b>0</b>
	<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
<b>3</b>	<b>4</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

### DCW 1

KEY FOLLOW
<b>7</b>
<small>(0-9)</small>

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

### DCA 1

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

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>99</b>	<b>21</b>	<b>61</b>					
LEVEL	<b>99</b>	<b>88</b>	<b>00</b>					
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.
<b>ELEC. BASS</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>07</b>	<b>04</b>	<b>1</b>	<b>33</b>	<b>55</b>	<b>23</b>		<b>0</b>
	<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
<b>2</b>	<b>3</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

### DCW 1

KEY FOLLOW
<b>7</b>
<small>(0-9)</small>

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>97</b>	<b>43</b>	<b>50</b>	<b>52</b>				
LEVEL	<b>99</b>	<b>79</b>	<b>74</b>	<b>00</b>				
SUS/END			SUS	END				
								<small>(0-99)</small>
								<small>(0-99)</small>

### DCA 1

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

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>99</b>	<b>21</b>	<b>61</b>					
LEVEL	<b>99</b>	<b>00</b>	<b>00</b>					
SUS/END		SUS	END					
								<small>(0-99)</small>
								<small>(0-99)</small>

## 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								
								<small>(0-99)</small>
								<small>(0-99)</small>

### 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								
								<small>(0-99)</small>
								<small>(0-99)</small>

### 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								
								<small>(0-99)</small>
								<small>(0-99)</small>

## COMMENT

# SOUND DATA (26)

TONES NAME	CARTRIDGE NO.	TOE NO.
<b>FAT BASS</b>		

## PARAMETER

LINE SELECT <b>1+2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>00</b>	<b>12</b>	<b>1</b>	<b>54</b>	<b>49</b>	<b>12</b>	<b>-</b>	<b>1</b>
	<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
<b>1</b>	<b>5</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

### 2

#### DCO 2

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

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

#### DCW 1

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

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

#### DCW 2

KEY FOLLOW
<b>7</b>
<small>(0-9)</small>

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

#### DCA 1

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

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

#### DCA 2

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

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

## COMMENT

# SOUND DATA (27)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>HUMAN VOICE 1</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>00</b>	<b>08</b>	<b>1</b>	<b>34</b>	<b>54</b>	<b>27</b>	<b>-</b>	<b>1</b>
	<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
<b>2</b>	<b>0</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

(0-99)  
(0-99)

#### DCW 1

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

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

(0-99)  
(0-99)

#### DCA 1

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

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>69</b>	<b>23</b>	<b>31</b>	<b>52</b>				
LEVEL	<b>88</b>	<b>99</b>	<b>77</b>	<b>00</b>				
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 (28)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>HUMAN VOICE 2</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	1	00	10	1	24	54	20	-	1
	<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
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	40	00					
LEVEL	65	66	00					
SUS/END		SUS	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	99							
LEVEL	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	59	21	31	60				
LEVEL	99	74	75	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
4
<small>(0-9)</small>

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					

(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	67	21	12	35				
LEVEL	90	77	90	00				
SUS/END			SUS	END				

(0-99) (0-99)

## COMMENT

# SOUND DATA (29)

<b>TONE NAME</b>	<b>CARTRIDGE NO.</b>	<b>TONE NO.</b>
<b>CARILLON</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>2</b>	<b>1</b>	<b>45</b>	<b>1</b>	<b>00</b>	<b>23</b>	<b>02</b>		<b>0</b>
	<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
<b>2</b>	<b>0</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

(0-99)

#### DCW 1

KEY FOLLOW
<b>1</b>
<small>(0-9)</small>

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

(0-99)

#### DCA 1

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

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

(0-99)

### 2

#### DCO 2

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

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

(0-99)

#### DCW 2

KEY FOLLOW
<b>1</b>
<small>(0-9)</small>

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

(0-99)

#### DCA 2

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

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

(0-99)

## COMMENT

# SOUND DATA (30)

<b>SYNTH. BLOCKS</b>	<b>TONES NAME</b>	<b>CARTRIDGE NO.</b>	<b>STONE NO.</b>
----------------------	-------------------	----------------------	------------------

## PARAMETER

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

### 1

#### DCO 1

WAVE FORM	
FIRST	SECOND
<b>2</b>	<b>0</b>
<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	<b>99</b>								<small>(0-99)</small>
LEVEL	<b>00</b>								<small>(0-99)</small>
SUS/END	END								

#### DCW 1

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

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	<small>(0-99)</small>
RATE	<b>76</b>	<b>89</b>							<small>(0-99)</small>
LEVEL	<b>42</b>	<b>00</b>							<small>(0-99)</small>
SUS/END		END							

#### DCA 1

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

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

### 2

#### DCO 2

WAVE FORM	
FIRST	SECOND
<b>2</b>	<b>0</b>
<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	<b>99</b>								<small>(0-99)</small>
LEVEL	<b>00</b>								<small>(0-99)</small>
SUS/END	END								

#### DCW 2

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

E N V (WAVE)									
STEP	1	2	3	4	5	6	7	8	<small>(0-99)</small>
RATE	<b>76</b>	<b>89</b>							<small>(0-99)</small>
LEVEL	<b>42</b>	<b>00</b>							<small>(0-99)</small>
SUS/END		END							

#### DCA 2

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

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

## COMMENT

# SOUND DATA (31)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>CALIMBA</b>		

## 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						

### 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	44						
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 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 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.
<b>AFRO-PERCUSSION</b>		

## PARAMETER

LINE SELECT <b>1</b> <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	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
5	0
<small>(1~8)</small>	<small>(0~8)</small>

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	90	90						
LEVEL	76	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						
LEVEL	15	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	99	49						
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 (33)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>STEEL DRUM 1</b>		

## PARAMETER

LINE SELECT
1 + 1'
(1,2,1+2',1+1')

MODULATION	
RING	NOISE
ON	OFF
(ON/OFF)	

DETUNE			
+/-	OCTAVE	NOTE	FINE
+	2	03	08
(+/-)	(0-3)	(0-11)	(0-60)

VIBRATO			
WAVE	DELAY	RATE	DEPTH
1	0	38	15
(1-4)	(0-99)	(0-99)	(0-99)

OCTAVE	
+/-	RANGE
	0
(+/-)	(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	99	76						
LEVEL	62	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	51						
LEVEL	83	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
2
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	52						
LEVEL	99	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 (34)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>STEEL DRUM 2</b>		

## PARAMETER

LINE SELECT <b>1+2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>03</b>	<b>07</b>	<b>1</b>	<b>00</b>	<b>24</b>	<b>09</b>		<b>0</b>
	<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
<b>2</b>	<b>0</b>
<small>(1-8)</small>	<small>(0-8)</small>

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

### DCW 1

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

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

### DCA 1

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

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

## 2

### DCO 2

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

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

### DCW 2

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

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

### DCA 2

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

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

## COMMENT

# SOUND DATA (35)

STONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. DRUMS 1</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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	3	00	55	99	-	1
	<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
1	5
<small>(1-8)</small>	<small>(0-8)</small>

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

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

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
<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					
LEVEL	99	53	00					
SUS/END		SUS	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						
LEVEL	99	00						
SUS/END		SUS	END					

### DCA 2

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

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)

SYNTH. DRUMS 2	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'	OFF	ON	+	0	10	00	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
1	5
(1-8)	(0-8)

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

KEY FOLLOW
9
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	99	53						
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	50	52					
LEVEL	92	00	00					
SUS/END		SUS	END					

## COMMENT

# SOUND DATA (37)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. DRUMS 3</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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						
LEVEL	70	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	99						
LEVEL	99	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	43	50					
LEVEL	99	00	00					
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						
LEVEL	66	00						
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						
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	47	52					
LEVEL	92	00	00					
SUS/END		SUS	END					

## COMMENT

# SOUND DATA (38)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SCRATCH SOUND</b>		

## PARAMETER

LINE SELECT	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
1 + 1'	OFF	ON	+	0	00	06	2	00	67	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
2	5
(1~8)	(0~8)

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					

#### DCW 1

KEY FOLLOW
4
(0~9)

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

#### DCA 1

KEY FOLLOW
5
(0~9)

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				

### 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 (39)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SOUTHERN WING</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>OFF</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>00</b>	<b>07</b>	<b>1</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>+</b>	<b>1</b>
	<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
<b>4</b>	<b>3</b>
<small>(1-8)</small>	<small>(0-8)</small>

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)

### DCW 1

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

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)

### DCA 1

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

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)

## 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 (40)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>SYNTH. HARP</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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							

(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	50	0	50				
LEVEL	99	30	99	00				
SUS/END			SUS	END				

(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	90	30						
LEVEL	99	00						
SUS/END	SUS	END						

(0-99)

### 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							

(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	99	82	46	50	00			
LEVEL	99	85	60	00	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	89	50	50				
LEVEL	99	70	80	00				
SUS/END			SUS	END				

(0-99)

## COMMENT

# SOUND DATA (41)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>FANTASTIC SOUND 1</b>		

## PARAMETER

LINE SELECT <b>1</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>OFF</b>	<b>OFF</b>	+	<b>0</b>	<b>00</b>	<b>00</b>	<b>1</b>	<b>30</b>	<b>47</b>	<b>3</b>	+	<b>1</b>
	<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
<b>1</b>	<b>0</b>
<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	<b>00</b>								<small>(0~99)</small>
LEVEL	<b>00</b>								<small>(0~99)</small>
SUS/END	END								

#### DCW 1

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

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

#### DCA 1

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

E N V (AMP)									
STEP	1	2	3	4	5	6	7	8	<small>(0~99)</small>
RATE	<b>75</b>	<b>75</b>	<b>49</b>	<b>49</b>	<b>49</b>	<b>49</b>	<b>39</b>		<small>(0~99)</small>
LEVEL	<b>99</b>	<b>84</b>	<b>43</b>	<b>67</b>	<b>24</b>	<b>61</b>	<b>00</b>		<small>(0~99)</small>
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	<small>(0~99)</small>
RATE									<small>(0~99)</small>
LEVEL									<small>(0~99)</small>
SUS/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									<small>(0~99)</small>
LEVEL									<small>(0~99)</small>
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									<small>(0~99)</small>
LEVEL									<small>(0~99)</small>
SUS/END									

## COMMENT

# SOUND DATA (42)

<b>TONE NAME</b>	<b>CARTRIDGE NO.</b>	<b>TONE NO.</b>
<b>FANTASTIC SOUND 2</b>		

## PARAMETER

LINE SELECT <b>1</b> <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			

#### 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					

#### 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

### 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 (43)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>FANTASTIC SOUND 3</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <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>(+/-) (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
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)

TOUR NAME	CARTRIDGE NO.	TOUR NO.
<b>CAVERNOUS SOUND</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> <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	3	26	2	00	89	38	+	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
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							

(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							
LEVEL	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
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				

(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 (45)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>DANGEROUS SOUND</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	OFF	OFF	+	3	07	03	2	60	52	73		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
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.
<b>LASER GUN 1</b>		

## PARAMETER

LINE SELECT	MODULATION	
	RING	NOISE
1 + 1'	ON	OFF

(1,2,1+2',1+1') (ON/OFF)

+/-	DETUNE		
	OCTAVE	NOTE	FINE
+	0	01	06

(+/-) (0~3) (0~11) (0~60)

WAVE	VIBRATO		
	DELAY	RATE	DEPTH
1	36	66	46

(1~4) (0~99) (0~99) (0~99)

+/-	OCTAVE
	RANGE
	0

(+/-) (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	55	54	00					
LEVEL	82	39	00					
SUS/END	SUS		END					

(0~99) (0~99)

#### DCW 1

KEY FOLLOW
4 (0~9)

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 (0~9)

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

(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 (47)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>LASER GUN 2</b>		

## PARAMETER

LINE SELECT <b>1 + 1'</b> (1,2,1+2',1+1')	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>ON</b>	<b>OFF</b>	<b>+</b>	<b>0</b>	<b>00</b>	<b>07</b>	<b>4</b>	<b>00</b>	<b>81</b>	<b>99</b>	<b>+</b>	<b>1</b>
	(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
<b>1</b>	<b>0</b>
(1-8)	(0-8)

E N V (PITCH)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>99</b>	<b>91</b>						
LEVEL	<b>72</b>	<b>00</b>						
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
<b>0</b>
(0-9)

E N V (WAVE)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>99</b>	<b>76</b>						
LEVEL	<b>99</b>	<b>00</b>						
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
<b>0</b>
(0-9)

E N V (AMP)								
STEP	1	2	3	4	5	6	7	8
RATE	<b>99</b>	<b>55</b>	<b>50</b>	<b>25</b>	<b>60</b>			
LEVEL	<b>99</b>	<b>90</b>	<b>60</b>	<b>00</b>	<b>00</b>			
SUS/END		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 (48)

TONE NAME	CARTRIDGE NO.	TONE NO.
<b>TYPHOON SOUND</b>		

## PARAMETER

LINE SELECT <b>1 + 2'</b> <small>(1,2,1+2',1+1')</small>	MODULATION		DETUNE				VIBRATO				OCTAVE	
	RING	NOISE	+/-	OCTAVE	NOTE	FINE	WAVE	DELAY	RATE	DEPTH	+/-	RANGE
	<b>OFF</b>	<b>ON</b>	-	<b>1</b>	<b>00</b>	<b>00</b>	<b>3</b>	<b>00</b>	<b>04</b>	<b>30</b>	-	<b>1</b>
	<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
<b>1</b>	<b>0</b>
<small>(1~8)</small>	<small>(0~8)</small>

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

#### DCW 1

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

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

#### DCA 1

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

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

### 2

#### DCO 2

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

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

#### DCW 2

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

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

#### DCA 2

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

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

# 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 	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

**CASIO**