KAWAI

DIGITAL SYNTHESIZER (MODULE)

K1/K1m
WAVE LIST

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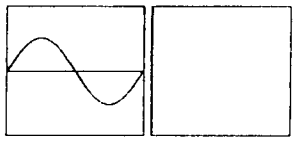

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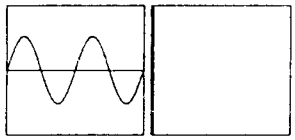

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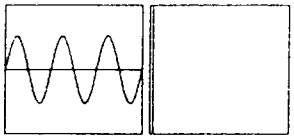

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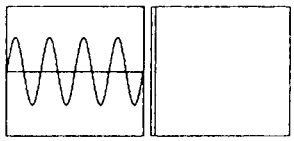

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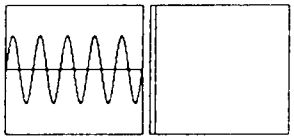

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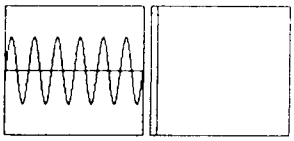

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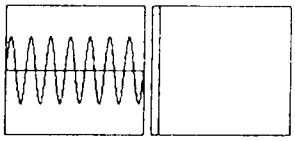

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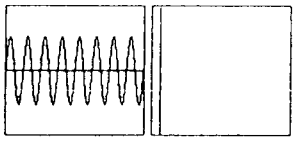

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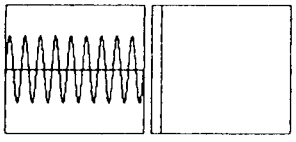

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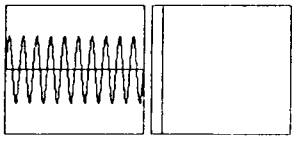

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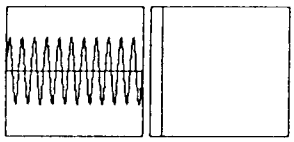

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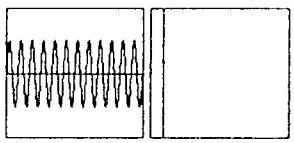

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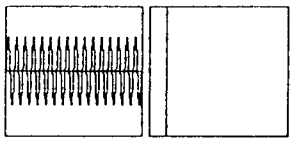

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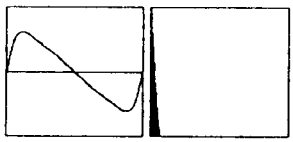

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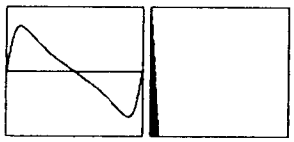

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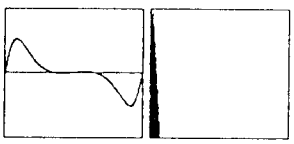

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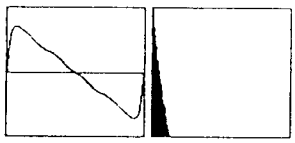

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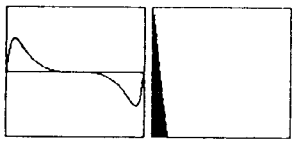

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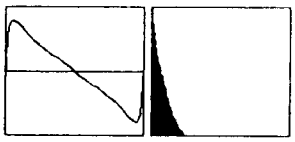

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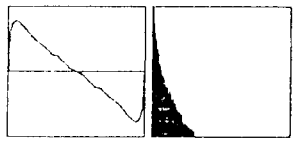

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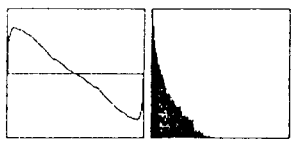

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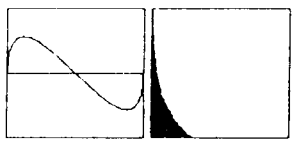

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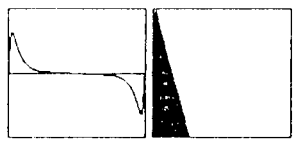

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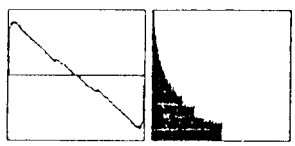

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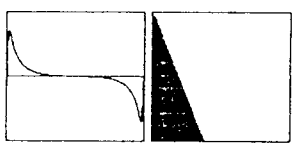

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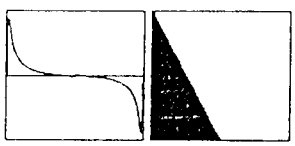

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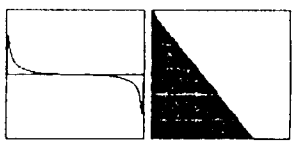

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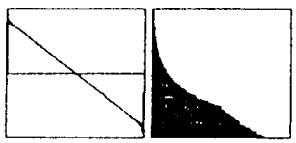

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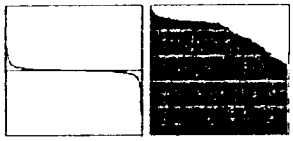

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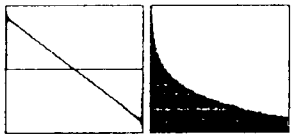

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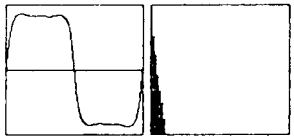

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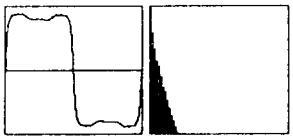

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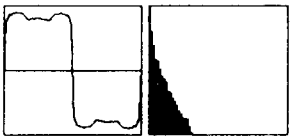

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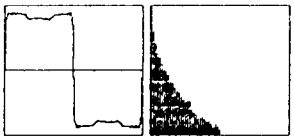

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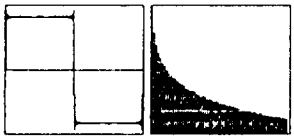

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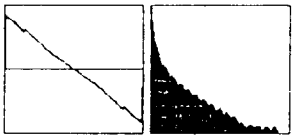

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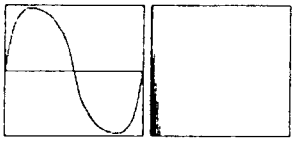

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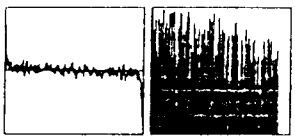

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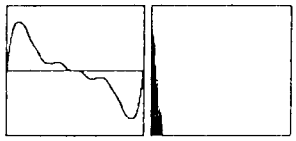

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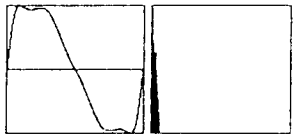

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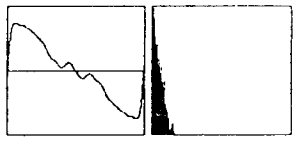

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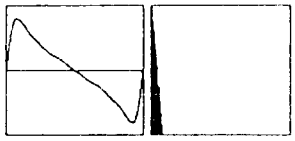

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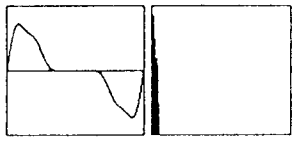

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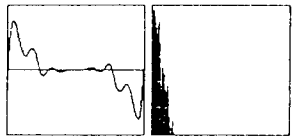

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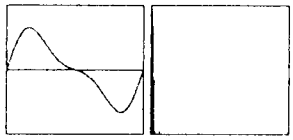

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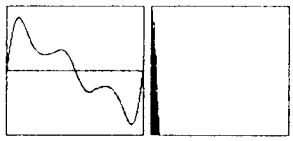

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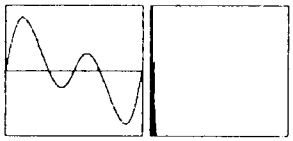

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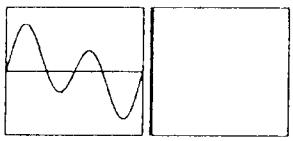

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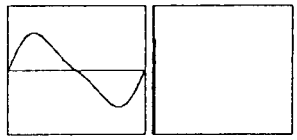

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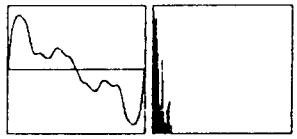

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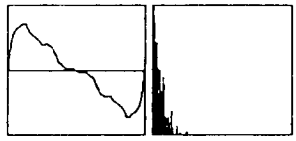

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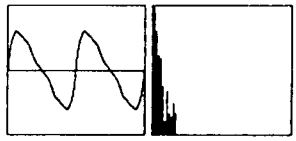

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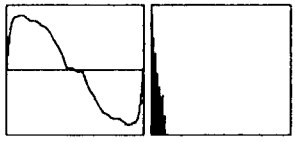

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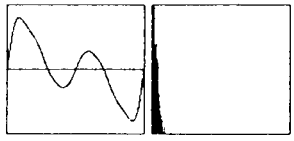

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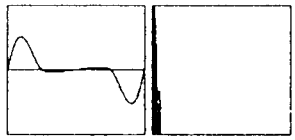

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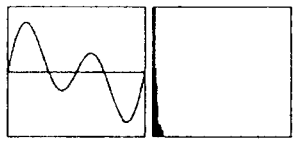

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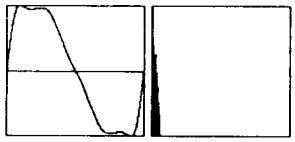

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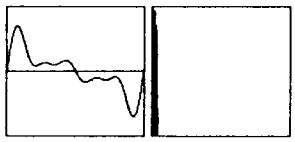

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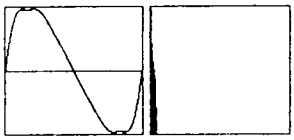

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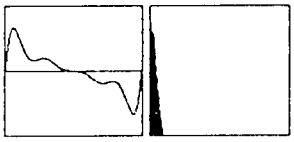
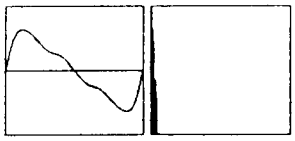
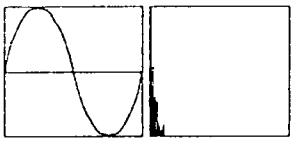


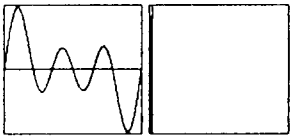
63. FLUTE



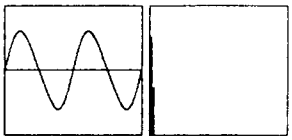
64. PANFLUTE



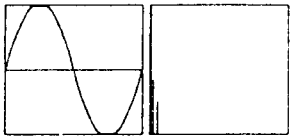
65. HARMONICA



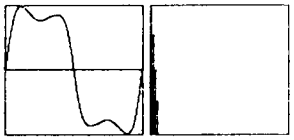
66. GLOCKEN



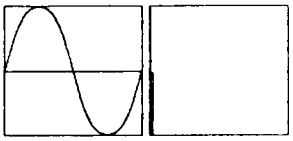
67. TINE



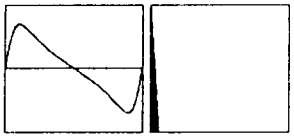
68. HARP



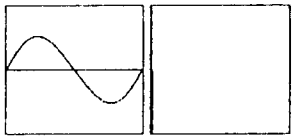
69. MARIMBA



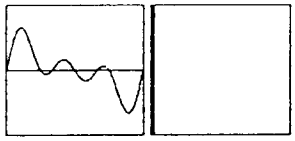
70. E. TOM



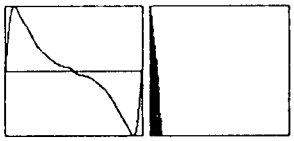
71. LOG DRUM



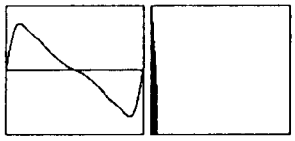
72. JAZZ ORGAN 1



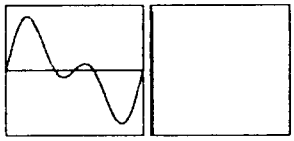
73. MELLO PAD



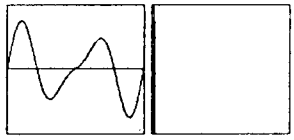
74. SYNTH SOLO



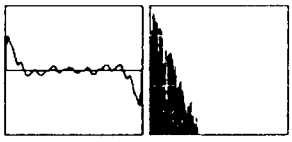
75. SYNTH 2



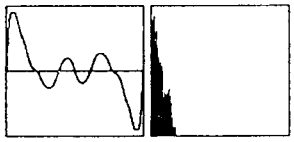
76. FRENCH HORN



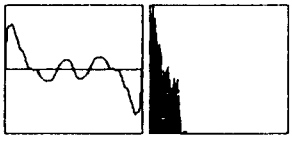
77. FRENCH HORN



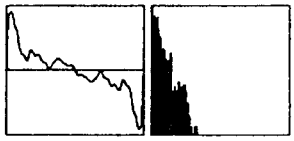
78. BRASS



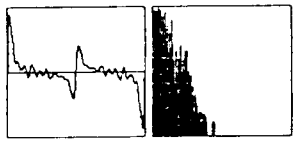
79. BRASS



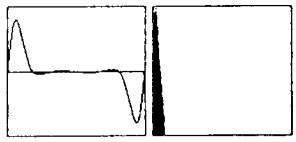
80. BRASS



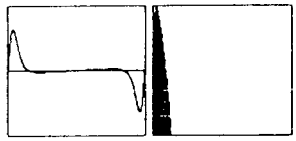
81. BRASS



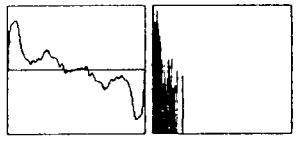
82. TRUMPET



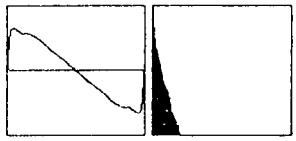
83. TRUMPET



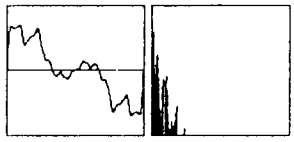
84. VIOLIN



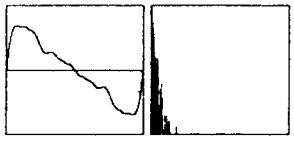
85. STRING



86. PIANO 1

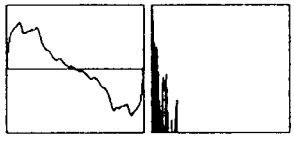


87. PIANO 2

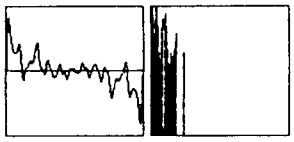


88. PIANO 3

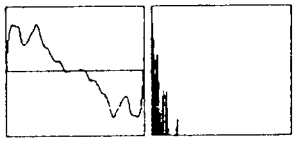
89. PIANO 2



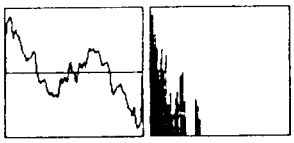
90. PIANO 3



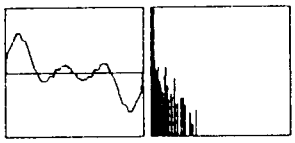
91. PIANO 4



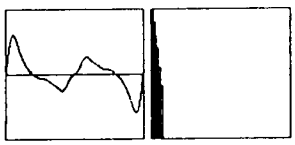
92. PIANO 4



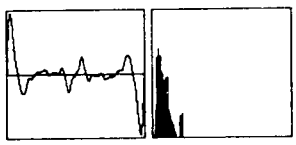
93. EL. GRAND



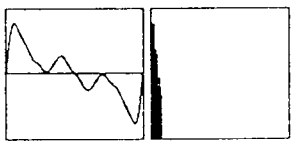
94. E. PIANO 1



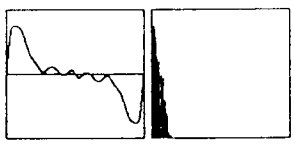
95. E. PIANO 2



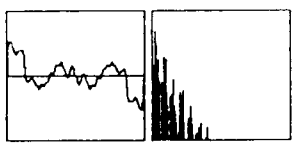
96. E. PIANO 2



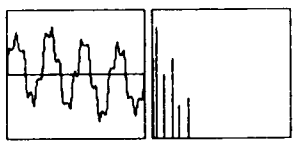
97. CLAVI



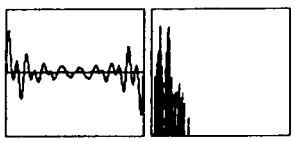
98. HARPSICHORD



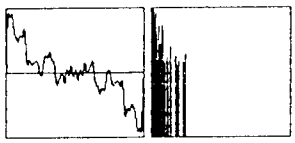
99. VIBE



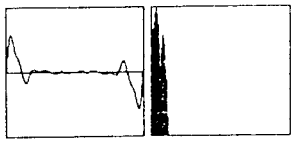
100. A. GUITAR



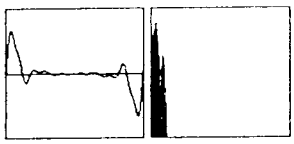
101. F. GUITAR



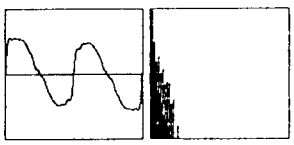
102. STRAT



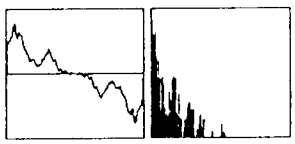
103. STRAT



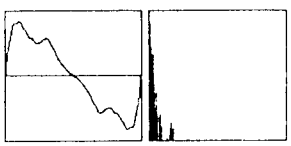
104. Ac BASS



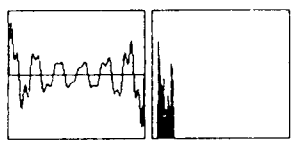
105. PULL BASS



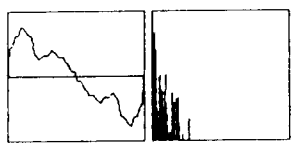
106. PULL BASS



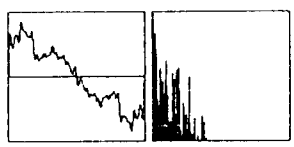
107. ROUND BASS



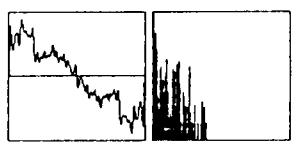
108. SLAP BASS



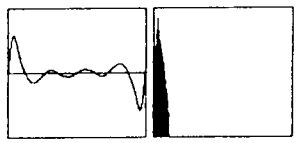
109. SLAP BASS



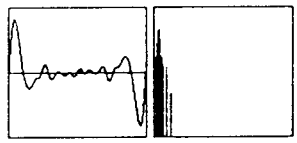
110. SLAP BASS



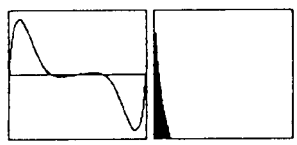
111. FRETLESS



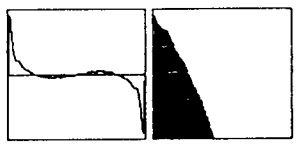
112. FRETLESS



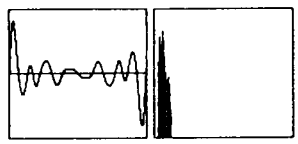
113. SYNTH BASS



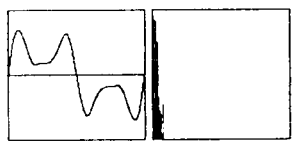
114. SYNTH BASS



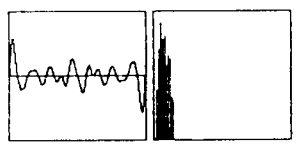
115. HARMONICA



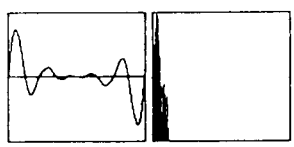
116. CLARINET



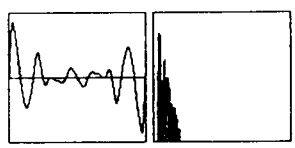
117. CLARINET



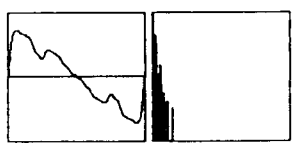
118. OBOE



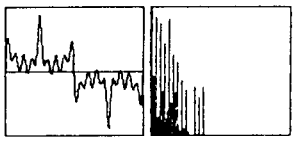
119. OBOE



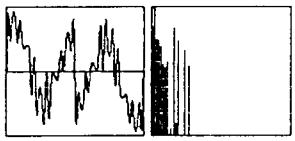
120. SHAKUHACHI



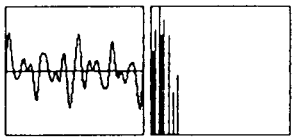
121. ORIENTAL BELL



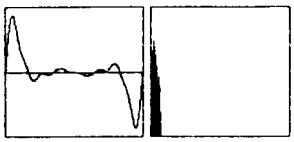
122. ORIENTAL BELL



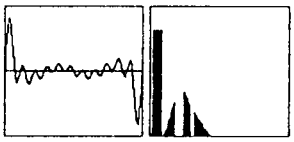
123. BELL



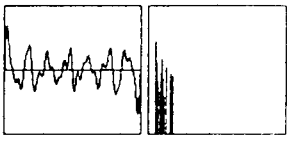
124. KOTO



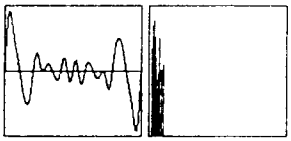
125. SITAR



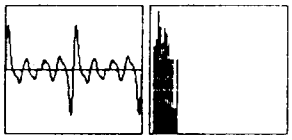
126. E. TOM



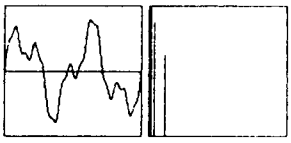
127. LOG DRUM



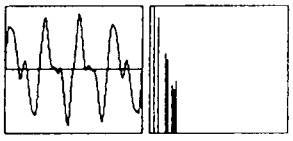
128. LOG DRUM



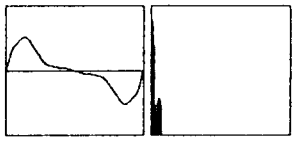
129. STEEL DRUM



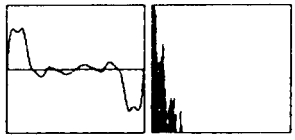
130. STEEL DRUM



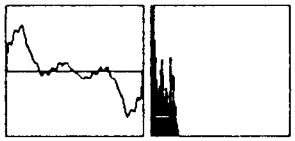
131. VOICE 1



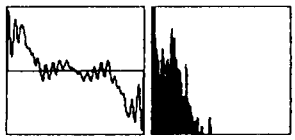
132. VOICE 2



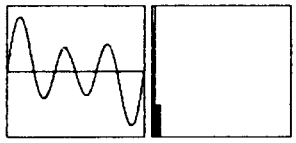
133. ACCORDION



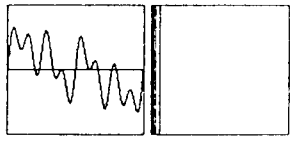
134. ACCORDION



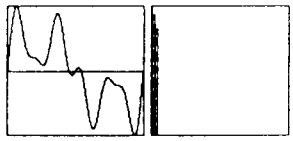
135. JAZZ ORGAN 2



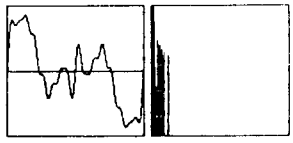
136. ROCK ORGAN 1



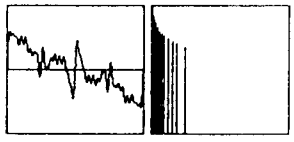
137. DRAW BAR 1



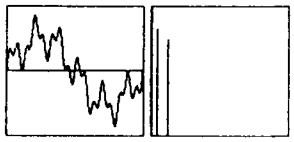
138. DRAW BAR 2



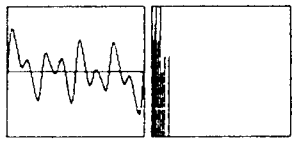
139. PIPE ORGAN 1



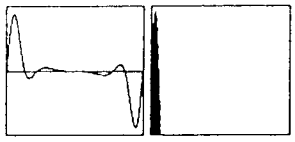
140. PIPE ORGAN 2



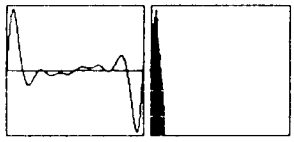
141. ROCK ORGAN 2



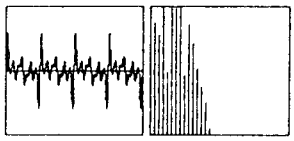
142. SYNTH SOLO



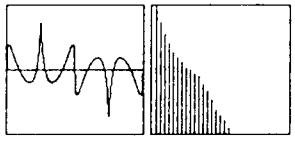
143. SYNTH SOLO



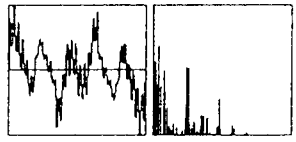
144. SYNTH 2



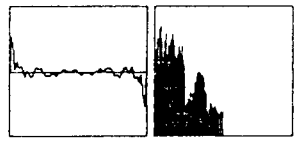
145. SYNTH 2



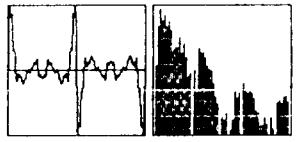
146. SYNTH 3



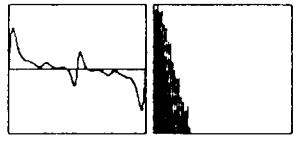
147. BRASS



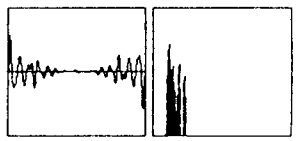
148. BRASS



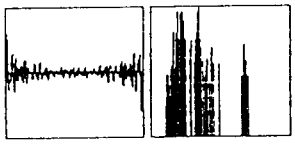
149. ORCHESTRA



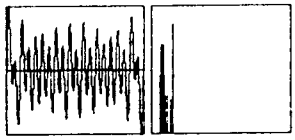
150. PIANO 1



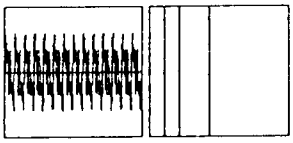
151. PIANO 4



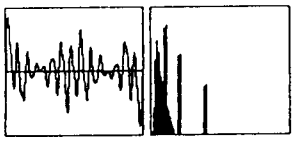
152. E. PIANO 1



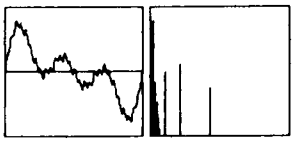
153. E. PIANO 1



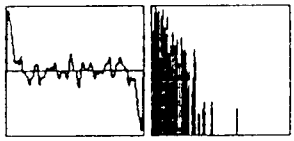
154. E. PIANO 2



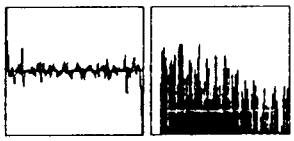
155. E. PIANO 3



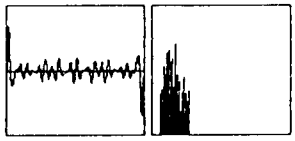
156. CLAVI



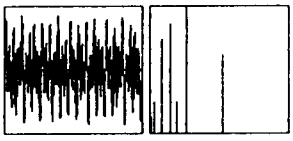
157. HARPSICHORD



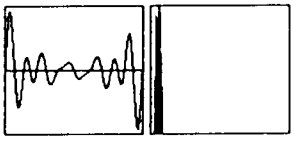
158. HARPSICHORD



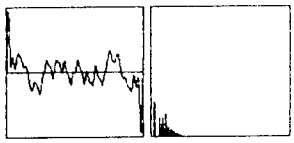
159. VIBE



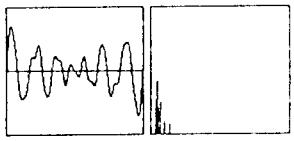
160. DIGI BASS 1



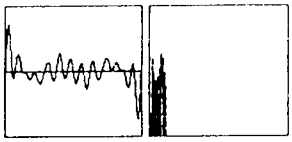
161. DIGI BASS 2



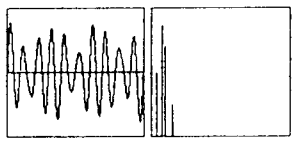
162. DIGI BASS 2



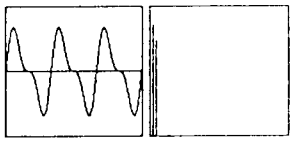
163. PICK BASS



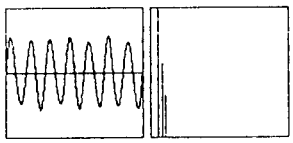
164. GLOCKEN



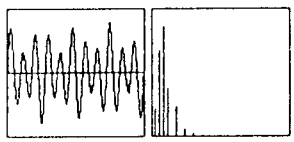
165. GLOCKEN



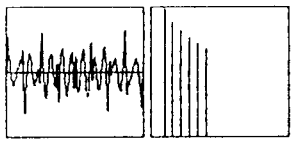
166. TINE



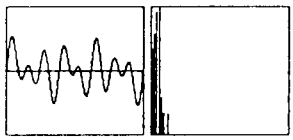
167. TINE



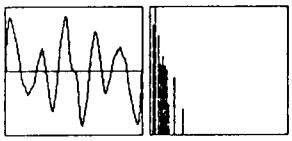
168. TINE



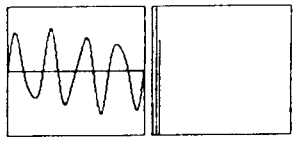
169. TUBE BELL



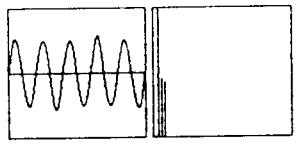
170. TUBE BELL



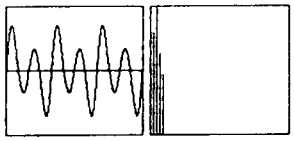
171. TUBE BELL



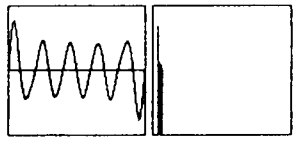
172. XYLOPHONE



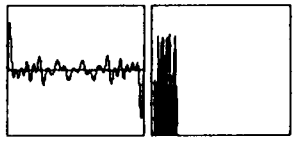
173. XYLOPHONE



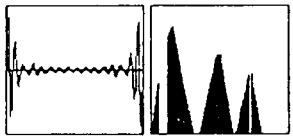
174. HARP



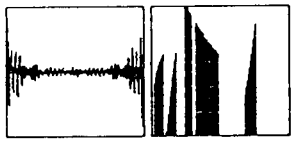
175. KOTO



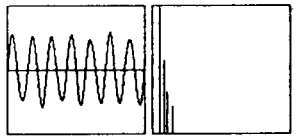
176. SITAR



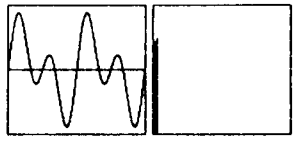
177. SITAR



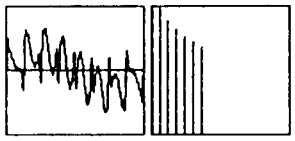
178. KALIMBA



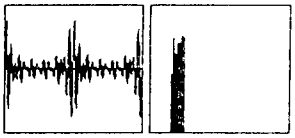
179. KALIMBA



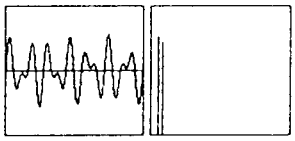
180. KALIMBA



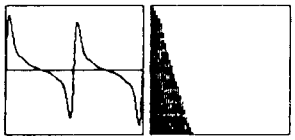
181. LOG DRUM



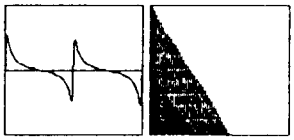
182. STEEL DRUM



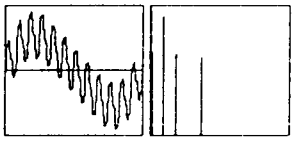
183. PIPE ORGAN 3



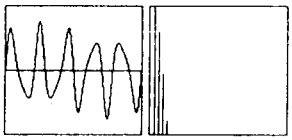
184. PIPE ORGAN 3



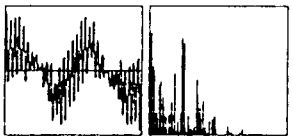
185. SYNTH 1



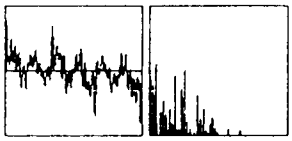
186. SYNTH 2



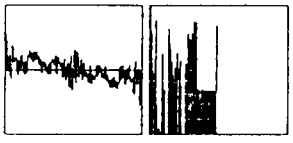
187. SYNTH 3



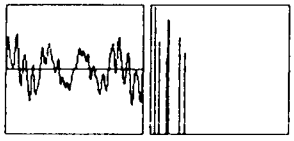
188. SYNTH 3



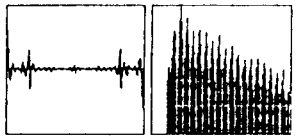
189. SYNTH 4



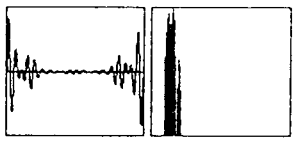
190. SYNTH 4



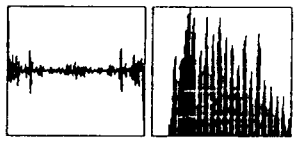
191. CLAVI



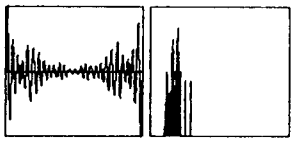
192. DIGI BASS 1



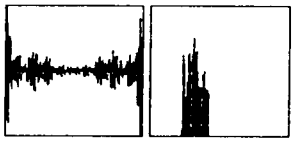
193. DIGI BASS 1



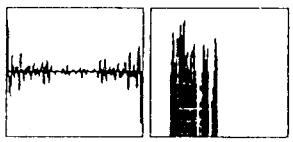
194. PICK BASS



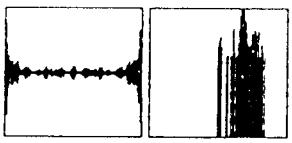
195. PICK BASS



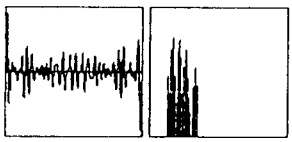
196. ROUND BASS



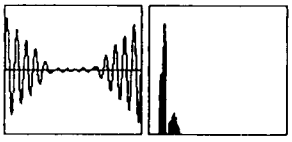
197. ROUND BASS



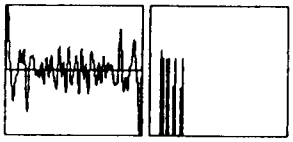
198. HARMONICA



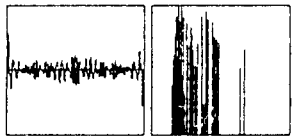
199. HARMONICA



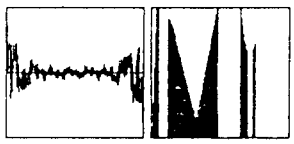
200. HARP



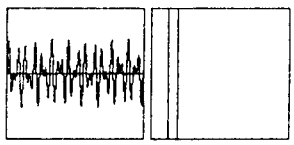
201. KOTO



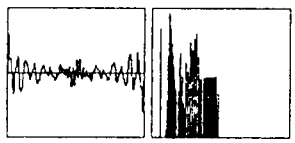
202. SITAR



203. MARIMBA



204. SYNTH 1



<ONE SHOT>

205. BASS DRUM
206. Ac SNARE
207. TIGHT SNARE
208. E. SNARE
209. RIM
210. Ac TOM
211. H. HAT
212. CRASH
213. RIDE
214. STRAT GUITAR
215. FUZZ MUTE
216. A. GUITAR
217. F. GUITAR
218. GUITAR HARMO
219. PULL BASS
220. BASS HARMO
221. BOWED STRING
222. STRING ATTACK
223. STRING SUS
224. PIZZICATO
225. PIANO
226. EL. GRAND
227. PIANO NOISE
228. TRUMPET
229. SHAKUHACHI ATTACK
230. SHAKUHACHI SUS
231. PAN FLUTE ATTACK
232. PAN FLUTE SUS
233. VOICE
234. WHITE NOISE

<LOOP>

235. STRING LOOP
236. SHAKUHACHI LOOP
237. PAN FLUTE LOOP
238. VOICE LOOP
239. WHITE NOISE LOOP
240. Ac SNARE LOOP
241. F. GUITAR LOOP
242. PULL BASS LOOP

<OMNIBUS LOOP>

243 OMNIBUS LOOP 1
244. OMNIBUS LOOP 2
245. OMNIBUS LOOP 3
246. OMNIBUS LOOP 4
247. OMNIBUS LOOP 5
248. OMNIBUS LOOP 6
249. OMNIBUS LOOP 7
250. OMNIBUS LOOP 8

<REVERSE>

251. Ac SNARE REV
252. Ac TOM REV
253. F. GUITAR REV

<ALTERNATE>

254. H. HAT ALT
255. CRASH ALT
256. PIANO NOISE ALT

DIGITAL SYNTHESIZER (MODULE)

K1/K1m
MIDI DATA FORMAT

CONTENTS

1. TRANSMITTED DATA

1st	2nd	3rd	Description	
1000nnnn	0kkkkkkk	01000000	Note off	kkkkkkk = 24 ~ 108
1001nnnn	0kkkkkkk	0vvvvvvv	Note on	kkkkkkk = 24 ~ 108 vvvvvvv = 1 ~ 127
1011nnnn	00000001	0vvvvvvv	Modulation	vvvvvvv = 0 ~ 127
1011nnnn	00000110	0vvvvvvv	Data Entry	vvvvvvv = 0 ~ 127
1011nnnn	01000000	0vvvvvvv	Hold 1 sw	vvvvvvv = 0 Off vvvvvvv = 127 On
1011nnnn	01100100	0vvvvvvv	RPC LSB	vvvvvvv = 0 Bender range vvvvvvv = 1 Fine tuning
1011nnnn	01100101	0vvvvvvv	RPC MSB	vvvvvvv = 0
1100nnnn	0ppppppp	- - - - - - - -	Program Change	ppppppp = 0 ~ 63 Single I/EA-1 ~ i/e iD-8 ppppppp = 64 ~ 95 Multi I/E A-1 ~ I/ED-8
1101nnnn	0vvvvvvv	- - - - - - - -	Ch. Pressure	vvvvvvv = 0 ~ 127
1110nnnn	0b000000	0vvvvvvv	Pitch Bender	vvvvvvvb=0 ~ 255
1011nnnn	01111011	00000000	All Notes off	
11111110	- - - - - - - -	- - - - - - - -	Active Sensing	

nnnn = Channel no.
RPC Registered Parameter Control

2. RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description	
1000nnnn	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk = 0 ~ 127 vvvvvvv = Ignored
1001nnnn	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 0 ~ 127 vvvvvvv = 1 ~ 127 Note on vvvvvvv = 0 Off
1011nnnn	00000001	0vvvvvvv	Modulation	vvvvvvv = 0 ~ 127
1011nnnn	00000111	0vvvvvvv	Main Volume	vvvvvvv = 0 ~ 127
1011nnnn	00000110	0vvvvvvv	Data Entry	vvvvvvv = 0 ~ 127
1011nnnn	01000000	0vvvvvvv	Hold 1 sw	vvvvvvv = 0 ~ 63 Off vvvvvvv = 64~127 On
1011nnnn	01100100	0vvvvvvv	RPC LSB	vvvvvvv = 0 Bender range vvvvvvv = 1 Fine tuning
1011nnnn	01100101	0vvvvvvv	RPC MSB	vvvvvvv = 0
1100nnnn	0ppppppp	- - - - - - - -	Program Change	ppppppp = 0 ~ 63 Single I/EA-1 ~ i/eD-8 ppppppp = 64 ~ 95 Multi I/EA-1 ~ I/ED-8
1101nnnn	0vvvvvvv	- - - - - - - -	Ch. Pressure	vvvvvvv = 0 ~ 127
1110nnnn	0b000000	0vvvvvvv	Pitch Bender	vvvvvvvb=0 ~ 255
1011nnnn	01111011	00000000	All Notes off	
1011nnnn	01111100	00000000	Omni off	
1011nnnn	01111101	00000000	Omni on	
11111110	- - - - - - - -	- - - - - - - -	Active Sensing	

nnnn = Channel no.
RPC Registered Parameter Control

3. EXCLUSIVE DATA FORMAT

Followings is the exclusive data format of the K1/K1m, and is based on the "KAWAI MIDI EXCLUSIVE FORMAT".

K1/K1m MIDI EXCLUSIVE FORMAT

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	0fffffff		
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID. no.
Sub 1	0sssssss		Sub command 1
Sub 2	0sssssss		Sub command 2
Data	0xxxxxxx		
Data	0xxxxxxx		
*			
*			
*			
Data	0xxxxxxx		
Data	0xxxxxxx		
EOX	11110111	F7H	

The Exclusive data is received only when The system RCV EXCL=ON.
The MACHINE ID REQUEST, having no Group no. and Machine no. message, is only concluded at the fourth byte followed by EOX.

Function number, Sub 1 and Sub 2 are listed in FUNCTION TABLE.

4. EXCLUSIVE TRANSMITTED DATA

4-1 ONE SINGLE DATA DUMP

This message is transmitted by the next 2 ways.
First, transmits the patch data which is selected on the panel, according to the MIDI DATA DUMP parameter (=PACH). Second, after receiving the ONE BLOCK DATA REQ (single), the K1/K1m transmits the one patch data which is decided by it.
See SINGLE DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100000	20H	One block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID. no.
Sub command 1	0000000x	00H	Internal
		01H	External
Sub command 2	0xxxxxxx		0 ~ 63 SINGLE A-1 ~ d-8
Data	0xxxxxxx		Patch data s0
Data	0xxxxxxx		Patch data s1
Data	0xxxxxxx		Patch data s2
*			
*			
*			
Data	0xxxxxxx		Patch data s85
Data	0xxxxxxx		Patch data s86
Data	0xxxxxxx		Patch data s87
EOX	11110111	F7H	

4-2 ONE MULTI DATA DUMP

This message is transmitted by the next 2 ways.
First, transmits the patch data which is selected on the panel, according to the MIDI DATA DUMP parameter (=PACH).
Second, after receiving the ONE BLOCK DATA REQ (multi), the K1/K1m transmits the one patch data which is decided by it.
See MULTI DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100000	20H	One block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID. no.
Sub command 1	0000000x	00H	Internal
		01H	External
Sub command 2	0xxxxxxx		64 ~ 95 MULTI A-1 ~ D-8
Data	0xxxxxxx		Patch data M0
Data	0xxxxxxx		Patch data M1
Data	0xxxxxxx		Patch data M2
*			
*			
*			
Data	0xxxxxxx		Patch data M73
Data	0xxxxxxx		Patch data M74
Data	0xxxxxxx		Patch data M75
EOX	11110111	F7H	

4-3 ALL SINGLE DATA DUMP

This message is transmitted when MIDI DATA DUMP=BLOCK, or when "ALL BLOCK REQUEST (single)" is received.
The 32 patches data are transmitted at once. So, there are 4 kinds of block data, all I, i, E, e.
Followings is the example of all I(=INT) block.

See SINGLE DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100001	21H	All block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID no.
Sub command 1	0000000a		a 0=int, 1=ext
Sub command 2	00xx0000		0=I or E, 20H=i or e
Data	0xxxxxxx		A-1 s0 data
Data	0xxxxxxx		A-1 s1 data
Data	0xxxxxxx		A-1 s2 data
Data	0xxxxxxx		A-1 s3 data
*			A-1 patch data
*			
*			
Data	0xxxxxxx		A-1 s84 data
Data	0xxxxxxx		A-1 s85 data
Data	0xxxxxxx		A-1 s86 data
Data	0xxxxxxx		A-1 s87 data
Data	0xxxxxxx		A-2 s0 data
Data	0xxxxxxx		A-2 s1 data
Data	0xxxxxxx		A-2 s2 data
Data	0xxxxxxx		A-2 s3 data
*			A-2 patch data
*			
*			
Data	0xxxxxxx		A-2 s84 data
Data	0xxxxxxx		A-2 s85 data
Data	0xxxxxxx		A-2 s86 data
Data	0xxxxxxx		A-2 s87 data
A-3 patch data			
A-4 patch data			
A-5 patch data			
A-6 patch data			
A-7 patch data			
A-8 patch data			
B-1 patch data			
B-2 patch data			
*			
*			
*			
D-6 patch data			
D-7 patch data			
Data	0xxxxxxx		D-8 s0 data
Data	0xxxxxxx		D-8 s1 data
Data	0xxxxxxx		D-8 s2 data
Data	0xxxxxxx		D-8 s3 data
*			D-8 patch data
*			
*			
Data	0xxxxxxx		D-8 s84 data
Data	0xxxxxxx		D-8 s85 data
Data	0xxxxxxx		D-8 s86 data
Data	0xxxxxxx		D-8 s87 data
EOX	11110111	F7H	

4-4 ALL MULTI DATA DUMP

This message is transmitted when MIDI DATA DUMP=BLOCK, or when "ALL BLOCK REQUEST (multi)" is received.
The 32 patches data are transmitted at once. So, there are 2 kinds of block data, all I, E.
Followings is the example of all I(=INT) block.

See SINGLE DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100001	21H	All block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID no.
Sub command 1	0000000a		a 0=int, 1=ext
Sub command 2	01000000	40H	Multi
Data	0xxxxxxx		A-1 M0 data
Data	0xxxxxxx		A-1 M1 data
Data	0xxxxxxx		A-1 M2 data
Data	0xxxxxxx		A-1 M3 data
*			A-1 patch data
*			
*			
Data	0xxxxxxx		A-1 M84 data
Data	0xxxxxxx		A-1 M85 data
Data	0xxxxxxx		A-1 M86 data
Data	0xxxxxxx		A-1 M87 data
Data	0xxxxxxx		A-2 M0 data
Data	0xxxxxxx		A-2 M1 data
Data	0xxxxxxx		A-2 M2 data
Data	0xxxxxxx		A-2 M3 data
*			A-2 patch data
*			
*			
Data	0xxxxxxx		A-2 M84 data
Data	0xxxxxxx		A-2 M85 data
Data	0xxxxxxx		A-2 M86 data
Data	0xxxxxxx		A-2 M87 data
A-3 patch data			
A-4 patch data			
A-5 patch data			
A-6 patch data			
A-7 patch data			
A-8 patch data			
B-1 patch data			
B-2 patch data			
*			
*			
*			
D-6 patch data			
D-7 patch data			
Data	0xxxxxxx		D-8 M0 data
Data	0xxxxxxx		D-8 M1 data
Data	0xxxxxxx		D-8 M2 data
Data	0xxxxxxx		D-8 M3 data
*			D-8 patch data
*			
*			
Data	0xxxxxxx		D-8 M84 data
Data	0xxxxxxx		D-8 M85 data
Data	0xxxxxxx		D-8 M86 data
Data	0xxxxxxx		D-8 M87 data
EOX	11110111	F7H	

4-5 WRITE COMPLETE

When the received Single or Multi data has been completely written, the K1/K1m transmits this message.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	01000000	40H	Write complete
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
EOX	11110111	F7H	

4-6 WRITE ERROR

If illegal data is found in the received Single or Multi data, the K1/K1m transmits this message.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	010000xx	41H	Write error
		42H	Write error (protect)
		43H	Write error (no card)
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
EOX	11110111	F7H	

4-7 MACHINE ID ACKNOWLEDGE

This message is transmitted when the K1/K1m receives MACHINE ID REQUEST.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	01100001	61H	Machine ID acknowledge
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
EOX	11110111	F7H	

5. EXCLUSIVE RECOGNIZED RECEIVED DATA

5-1 ONE BLOCK DATA REQUEST

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00000000	00H	One Single or Multi request
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
Sub command 1	0000000a		a=0 Int, a=1 Ext
Sub command 2	0bbbbbbb		Single or multi patch no.
EOX	11110111	F7H	

5-2 ALL BLOCK DATA REQUEST

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00000001	01H	All Single or Multi request
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
Sub command 1	0000000a		a=0 int, a=1 ext
Sub command 2	0xxx0000		0=single I or E 20H=single i or e 40H=multi
EOX	11110111	F7H	

5-3 PARAMETER SEND

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00010000	10H	Parameter send
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
Sub command 1	0ppppppp		Parameter no.
Sub command 2	00000ssd		ss 0/S1, 1/S2, 2/S3, 3/S4, d=Value's MSB
Data	0xxxxxxx		Value dxxxxxxx
EOX	11110111	F7H	

5-4 ONE SINGLE DATA DUMP

After receiving this message, the K1/K1m transmits "WRITE COMPLETE" if it is okay, or "WRITE ERROR" if it is not.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100000	20H	One block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
Sub command 1	0000000a		0/int, 1/ext
Sub command 2	0bbbbbbb		0 ~ 63 single
Data	0xxxxxxx		Patch data s0
Data	0xxxxxxx		Patch data s1
Data	0xxxxxxx		Patch data s2
*			
*			
*			
Data	0xxxxxxx		Patch data s85
Data	0xxxxxxx		Patch data s86
Data	0xxxxxxx		Patch data s87
EOX	11110111	F7H	

5-5 ONE MULTI DATA DUMP

After receiving this message, the K1/K1m transmits "WRITE COMPLETE" if it is okay, or "WRITE ERROR" if it is not.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100000	20H	One block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
Sub command 1	0000000a		0/int, 1/ext
Sub command 2	0bbbbbbb		64 ~ 95 multi
Data	0xxxxxxx		Patch data M0
Data	0xxxxxxx		Patch data M1
Data	0xxxxxxx		Patch data M2
*			
*			
*			
Data	0xxxxxxx		Patch data M73
Data	0xxxxxxx		Patch data M74
Data	0xxxxxxx		Patch data M75
EOX	11110111	F7H	

5-6 ALL SINGLE DATA DUMP

Followings are the examples of all I(=INT) block data dump.
See SINGLE DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100001	21H	All block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID no.
Sub command 1	0000000a		a 0=int, 1=ext
Sub command 2	00xx0000		0=I or E, 20H=i or e
Data	0xxxxxxx		A-1 s0 data
Data	0xxxxxxx		A-1 s1 data
Data	0xxxxxxx		A-1 s2 data
Data	0xxxxxxx		A-1 s3 data
*			A-1 patch data
*			
*			
Data	0xxxxxxx		A-1 s84 data
Data	0xxxxxxx		A-1 s85 data
Data	0xxxxxxx		A-1 s86 data
Data	0xxxxxxx		A-1 s87 data
Data	0xxxxxxx		A-2 s0 data
Data	0xxxxxxx		A-2 s1 data
Data	0xxxxxxx		A-2 s2 data
Data	0xxxxxxx		A-2 s3 data
*			A-2 patch data
*			
*			
Data	0xxxxxxx		A-2 s84 data
Data	0xxxxxxx		A-2 s85 data
Data	0xxxxxxx		A-2 s86 data
Data	0xxxxxxx		A-2 s87 data

A-3 patch data
A-4 patch data
A-5 patch data
A-6 patch data
A-7 patch data
A-8 patch data
B-1 patch data
B-2 patch data
*
*
*
D-6 patch data
D-7 patch data

Data	0xxxxxxx		D-8 s0 data
Data	0xxxxxxx		D-8 s1 data
Data	0xxxxxxx		D-8 s2 data
Data	0xxxxxxx		D-8 s3 data
*			D-8 patch data
*			
*			
Data	0xxxxxxx		D-8 s84 data
Data	0xxxxxxx		D-8 s85 data
Data	0xxxxxxx		D-8 s86 data
Data	0xxxxxxx		D-8 s87 data
EOX	11110111	F7H	

5-7 ALL MULTI DATA DUMP

Followings are the example of all I(=INT) block data dump.
See MULTI DATA LIST regarding the data.

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	00100001	21H	All block data dump
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000010	03H	K1/K1m ID no.
Sub command 1	0000000a		a 0=int, 1=ext
Sub command 2	01000000	40H	Multi
Data	0xxxxxxx		A-1 M0 data
Data	0xxxxxxx		A-1 M1 data
Data	0xxxxxxx		A-1 M2 data
Data	0xxxxxxx		A-1 M3 data
	•		
	•		A-1 patch data
	•		
Data	0xxxxxxx		A-1 M84 data
Data	0xxxxxxx		A-1 M85 data
Data	0xxxxxxx		A-1 M86 data
Data	0xxxxxxx		A-1 M87 data
Data	0xxxxxxx		A-2 M0 data
Data	0xxxxxxx		A-2 M1 data
Data	0xxxxxxx		A-2 M2 data
Data	0xxxxxxx		A-2 M3 data
	•		
	•		A-2 patch data
	•		
Data	0xxxxxxx		A-2 M84 data
Data	0xxxxxxx		A-2 M85 data
Data	0xxxxxxx		A-2 M86 data
Data	0xxxxxxx		A-2 M87 data
A-3 patch data			
A-4 patch data			
A-5 patch data			
A-6 patch data			
A-7 patch data			
A-8 patch data			
B-1 patch data			
B-2 patch data			
	•		
	•		
	•		
D-6 patch data			
D-7 patch data			
Data	0xxxxxxx		D-8 M0 data
Data	0xxxxxxx		D-8 M1 data
Data	0xxxxxxx		D-8 M2 data
Data	0xxxxxxx		D-8 M3 data
	•		
	•		D-8 patch data
	•		
Data	0xxxxxxx		D-8 M84 data
Data	0xxxxxxx		D-8 M85 data
Data	0xxxxxxx		D-8 M86 data
Data	0xxxxxxx		D-8 M87 data
EOX	11110111	F7H	

5-8 WRITE COMPLETE

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	01000000	40H	Write complete
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000001	03H	K1/K1m ID. no.
EOX	11110111	F7H	

5-9 WRITE ERROR

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	010000xx	41H	Write error
		42H	Write error (protect)
		43h	Write error (no card)
Group no.	00000000	00H	Synthesizer group
Machine ID no.	00000011	03H	K1/K1m ID. no.
EOX	11110111	F7H	

5-10 MACHINE ID REQUEST

After receiving this message, the K1/K1m transmits "ID ACKNOWLEDGE".

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	0nH	
Function no.	01100000	60H	Machine ID Request
EOX	11110111	F7H	

6. SINGLE DATA LIST

<COMMON>

No.	Byte	Cursor parameter		Description
s0	0nnnnnnn	4	Name 1	Ascii
s1	0nnnnnnn	5	Name 2	–
s2	0nnnnnnn	6	Name 3	–
s3	0nnnnnnn	7	Name 4	–
s4	0nnnnnnn	8	Name 5	–
s5	0nnnnnnn	9	Name 6	–
s6	0nnnnnnn	10	Name 7	–
s7	0nnnnnnn	11	Name 8	–
s8	0nnnnnnn	12	Name 9	–
s9	0nnnnnnn	13	Name 10	–
s10	0vvvvvvv	3	Volume	0 ~ 99
s11	aa	27	Poly mode	0/pol 1, 1/pol 2, 2/solo
	b	14	Sources 2/4	0/2, 1/4
	cc	36	am S1, S2	0/off, 1/2>1, 2/rev
	0dd	37	am S3, S4	0/off, 2/4>3, 2/rev
s12	0ppppppp	24	prs>freq	0 ~ 100 (±50)
s13	0ddddddd	15	Vibrato dep	0 ~ 100 (±50)
s14	0aaaaaaa	18	vib pres>vib	0 ~ 100 (±50)
s15	0000pppp	25	Pitch bend	0 ~ 12
s16	01111111	16	lfo speed	0 ~ 100
s17	ss	17	lfo shape	0/tri, 1/saw, 2/sqr, 3/rnd
	ccc	26	ks curve	0 ~ 4/1 ~ 5
	0ww	19	vib wheel	0/dep, 1/spd
s18	0aaaaaaa	20	Auto bend depth	0 ~ 100 (±50)
s19	0ttttttt	21	Auto bend time	0 ~ 100
s20	0vvvvvvv	22	Auto bend vel>dep	0 ~ 100 (±50)
s21	0kkkkkkk	23	Auto bend ks>time	0 ~ 100 (±50)
s22	a		S1 mute	0/mute, 1/not mute
	b		S2 mute	0/mute, 1/not mute
	c		S3 mute	0/mute, 1/not mute
	0000d		S4 mute	0/mute, 1/not mute

<SOURCES>

s23	0fffffff	30	S1 fine	0 ~ 100 (±50)
s24	·	–	S2 –	–
s25	--	–	S3 –	–
s26	–	–	S4 –	–
s27	0ccccccc	28/29	S1 wave select n	Coarse 60 ~ 108/±24 Fix 0 ~ 127/C-4 ~ G6
s28	–	–	S2 –	–
s29	–	–	S3 –	–
s30	–	–	S4 –	–
s31	0wwwwwww	35	S1 wave select 1	0 ~ 127
s32	–		S2 –	–
s33	–	–	S3 –	–
s34	–	–	S4 –	–
s35	x	35	S1 wave select n	msb xwwwwww 0 ~ 255/1 ~ 256
	k	31	S1 key track	0/off, 1/on
	v	32	S1 vib/a. bend	0/off, 1/on
	p	33	S1 prs>frq	0/off, 1/on
	0vvv	47	S1 vel curve	0 ~ 7/1 ~8
s36	–	–	S2 –	–
s37	–	–	S3 –	–
s38	–	–	S4 –	–
s39	0eeeeeee	41	S1 envelope level	0 ~ 100
s40	–	–	S2 –	–
s41	–	–	S3 –	–
s42	–	–	S4 –	–
s43	0eeeeeee	42	S1 envelope delay	0 ~ 100
s44	–	–	S2 –	–
s45	–	–	S3 –	–
s46	–	–	S4 –	–
s47	0eeeeeee	43	S1 envelope attack	0 ~ 100
s48	–	–	S2 –	–
s49	–	–	S3 –	–
s50	–	–	S4 –	–
s51	0eeeeeee	44	S1 envelope decay	0 ~ 100
s52	–	–	S2 –	–
s53	–	–	S3 –	–
s54	–	–	S4 –	–
s55	0eeeeeee	45	S1 envelope sustain	0 ~ 100
s56	–	–	S2 –	–
s57	–	–	S3 –	–
s58	–	–	S4 –	–
s59	0eeeeeee	46	S1 envelope release	0 ~ 100
s60	–	–	S2 –	–
s61	–	–	S2 –	–
s62	–	–	S4 –	–
s63	0ddddddd	48	S1 level mod vel	0 ~ 100 (±50)
s64	–	–	S2 –	–
s65	–	–	S3 –	–
s66	–	–	S4 –	–
s67	0eeeeeee	49	S1 level mod prs	0 ~ 100 (±50)
s68	–	–	S2 –	–
s69	–	–	S3 –	–
s70	–	–	S4 –	–
s71	0eeeeeee	50	S1 level mod ks	0 ~ 100 (±50)
s72	–	–	S2 –	–
s73	–	–	S3 –	–
s74	–	–	S4 –	–
s75	0eeeeeee	51	S1 time mod vel	0 ~ 100 (±50)
s76	–	–	S2 –	–
s77	–	–	S3 –	–
s78	–	–	S4 –	–
s79	0eeeeeee	52	S1 time mod ks	0 ~ 100 (±50)
s80	–	–	S2 –	–
s81	–	–	S3 –	–
s82	–	–	S4 –	–
s83	0eeeeeee	34	S1 freq ks>freq	0 ~ 100 (±50)
s84	–	–	S2 –	–
s85	–	–	S3 –	–
s86	–	–	S4 –	–
s87	0ddddddd		Check sum	0 ~ 127

Notes:
Check sum value (s87) is the sum of the A5H and s0 ~ s86, and bit 7 must be clear.

7. MULTI DATA LIST

No.	Byte	Parameter	Description
<MULTI COMMON>			
M0	0nnnnnnn	Name 1	Ascii
M1	0nnnnnnn	Name 2	–
M2	0nnnnnnn	Name 3	–
M3	0nnnnnnn	Name 4	–
M4	0nnnnnnn	Name 5	–
M5	0nnnnnnn	Name 6	–
M6	0nnnnnnn	Name 7	–
M7	0nnnnnnn	Name 8	–
M8	0nnnnnnn	Name 9	–
M9	0nnnnnnn	Name 10	–
M10	0vvvvvvv	Volume	0 ~ 99/1 ~ 100
<SECTION 1>			
M11	aaa	Single no.	0 ~ 7/1 ~ 8
	00bbb	Single no.	0 ~ 7/A ~ d
M12	0zzzzzzz	Zone low	0 ~ 127
M13	0hhhhhhh	Zone high	0 ~ 127
M14	pppp	Poly	0/vr, 1 ~ 9/0 ~ 8
	aa	Output	0/r, 1/l + r, 2/l
	0m	Mode 1	
M15	0n	Mode m	nm 0/kybd, 1/midi, 2/mix (K-1)
	rrrr	rcv ch	0 ~ 15/1 ~ 16
	vv	velo sw	0/all, 1/soft, 2/loud
M16	00tttttt	Transpose	0 ~ 48/0 ~ ±24
M17	0uuuuuuu	Tune	0 ~ 100 (0 ~ ±50)
M18	0eeeeeee	Level	0 ~ 100
<SECTION 2>			
M19	aaa	Single no.	0 ~ 7/1 ~ 8
	00bbb	Single no.	0 ~ 7/A ~ d
M20	0zzzzzzz	Zone low	0 ~ 127
M21	0hhhhhhh	Zone high	0 ~ 127
M22	pppp	Poly	0/vr, 1 ~ 9/0 ~ 8
	aa	Output	0/r, 1/l + r, 2/l
	0m	Mode 1	
M23	0n	Mode m	nm 0/kybd, 1/midi, 2/mix (K-1)
	rrrr	rcv ch	0 ~ 15/1 ~ 16
	vv	velo sw	0/all, 1/soft, 2/loud
M24	00tttttt	Transpose	0 ~ 48/0 ~ ±24
M25	0uuuuuuu	Tune	0 ~ 100 (0 ~ ±50)
M26	0eeeeeee	Level	0 ~ 100
<SECTION 3>			
M27 ~ M34			
<SECTION 4>			
M35 ~ M42			
<SECTION 5>			
M43 ~ M50			
<SECTION 6>			
M51 ~ M58			
<SECTION 7>			
M59 ~ M66			
<SECTION 8>			
M67	aaa	Single no.	0 ~ 7/1 ~ 8
	00bbb	Single no.	0 ~ 7/A ~ d
M68	0zzzzzzz	Zone low	0 ~ 127
M69	0hhhhhhh	Zone high	0 ~ 127
M70	pppp	Poly	0/vr, 1 ~ 9/0 ~ 8
	aa	Output	0/r, 1/l + r, 2/l
	0m	Mode 1	
M71	0n	Mode m	nm 0/kybd, 1/midi, 2/mix (K-1)
	rrrr	rcv ch	0 ~ 15/1 ~ 16
	vv	velo sw	0/all, 1/soft, 2/loud
M72	00tttttt	Transpose	0 ~ 48/0 ~ ±24
M73	0uuuuuuu	Tune	0 ~ 100 (0 ~ ±50)
M74	0eeeeeee	Level	0 ~ 100
M75	0ccccccc	Check sum	0 ~ 127

Note:
The check sum value (M75) is the sum of A5H and M0 ~ M74, and bit7 must be clear.

8. EXCLUSIVE FUNCTION TABLE

FUNCTION	FUNCTION NO.	SUB CMND 1	SUB CMND 2	DESCRIPTION	TRS	RCU
One Patch Data Request	0 (00H)	0	0 ~ 63	ONE INT SINGLE DATA REQUEST	X	O
		0	64 ~ 95	ONE INT MULTI DATA REQUEST	X	O
		1	0 ~ 63	ONE EXT SINGLE DATA REQUEST	X	O
		1	64 ~ 95	ONE EXT MULTI DATA REQUEST	X	O
All Patch Data Request	1 (01H)	0	0	ALL INT SINGLE DATA REQUEST	X	O
		0	32	ALL int SINGLE DATA REQUEST	X	O
		0	64	ALL INT MULTI DATA REQUEST	X	O
		1	0	ALL EXT SINGLE DATA REQUEST	X	O
		1	32	ALL ext SINGLE DATA REQUEST	X	O
		1	64	ALL EXT MULTI DATA REQUEST	X	O
Parameter send	16 (10H)	0ppppppp	00000ssd	SINGLE PARAMETER ppppppp 0 ~ 127 parameter no. ss 0/s1, 1/s2, 2/s3, 3/S4 d MSB of data	X	O
One Patch Data Dump	32 (20H)	0	0 ~ 63	ONE INT SINGLE DATA DUMP	O	O
		0	64 ~ 95	ONE INT MULTI DATA DUMP	O	O
		1	0 ~ 63	ONE EXT SINGLE DATA DUMP	O	O
		1	64 ~ 95	ONE EXT MULTI DATA DUMP	O	O
All Patch Data Dump	33 (21H)	0	0	ALL INT SINGLE DATA DUMP	O	O
		0	32	ALL int SINGLE DATA DUMP	O	O
		0	64	ALL INT MULTI DATA DUMP	O	O
		1	0	ALL EXT SINGLE DATA DUMP	O	O
		1	32	ALL ext SINGLE DATA DUMP	O	O
		1	64	ALL EXT MULTI DATA DUMP	O	O
Write Complete	64 (40H)	–	–		O	O
Write Error	65 (41H)	–	–		O	O
Write Error (Protect)	66 (42H)	–	–		O	O
Write Error (No Card)	67 (43H)	–	–		O	O
Machine ID Request	96 (60H)	–	–		X	O
Machine ID Acknowledge	97 (61H)	–	–		O	X

9. PROGRAM NO. CONVERT TABLE

SINGLE

	INT/EXT							
	A	B	C	D	a	b	c	d
1	0 00H	8 08H	16 10H	24 18H	32 20H	40 28H	48 30H	56 38H
2	1 01H	9 09H	17 11H	25 19H	33 21H	41 29H	49 31H	57 39H
3	2 02H	10 0AH	18 12H	26 1AH	34 22H	42 2AH	50 32H	58 3AH
4	3 03H	11 0BH	19 13H	27 1BH	35 23H	43 2BH	51 33H	59 3BH
5	4 04H	12 0CH	20 14H	28 1CH	36 24H	44 2CH	52 34H	60 3CH
6	5 05H	13 0DH	21 15H	29 1DH	37 25H	45 2DH	53 35H	61 3DH
7	6 06H	14 0EH	22 16H	30 1EH	38 26H	46 2EH	54 36H	62 3EH
8	7 07H	15 0FH	23 17H	31 1FH	39 27H	47 2FH	55 37H	63 3FH

MULTI

	INT/EXT			
	A	B	C	D
1	64 40H	72 48H	80 50H	88 58H
2	65 41H	73 49H	91 51H	89 59H
3	66 42H	74 4AH	82 52H	90 5AH
4	67 43H	75 4BH	83 53H	91 5BH
5	68 44H	76 4CH	84 54H	92 5CH
6	69 45H	77 4DH	85 55H	93 5DH
7	70 46H	78 4EH	86 56H	94 5EH
8	71 47H	79 4FH	87 57H	95 5FH

Note: Receiving program no. 96 ~ 127, the K1/K1m treats same as 64 ~ 95.