Specifications / المواصفات

Keyboards:
61 standard-size keys (C1~C6) with touch response.

Display:
Large multi-function LCD display

Setup:
Power: ON/OFF
Master Volume: MIN-MAX

Control & Ten Keys:
CURSOR▲▼◀ ▶, FUNCTION▲▼, MODE▼, [0]~[9], [+/YES], [–/NO], Data dial

Cartridge Slot

Demo:
Voice Demo:21 songs
Style Demo:8 songs

Mode:
NORMAL, SPLIT,SINGLE,FINGERED

Voice:
AWM 160 voices+9 Keyboard Percussion Kits
Polyphony: 32
Split Voice: Volume, Octave, Reverb Level, Chorus Level, Pan, Split Point
Dual Voice: Volume, Octave, Reverb Level, Chorus Level, Pan
Touch Response:Touch Sensitivity
Harmony/Echo: 22 types
Sustain
Others: Keyboard Volume, Octave, Reverb Level, Chorus Level, DSP Level, Pan

Auto Accompaniment:
140 styles
Accomp Track: RHYTHM1/2, BASS, CHORD1/2, PAD, PHRASE1/2
ACCOMP LARGE/SMALL
Accomp Track Settings: ON/OFF, Voice, Volume
Accompaniment Control: SYNC-START/STOP, START/STOP, INTRO, MAIN A/B (AUTO FILL), ENDING
Tempo
Fingering (FINGERED Mode): Normal, Bass, Full
Accompaniment Volume
Accompaniment Split Point

One Touch Setting:
560 One Touch Settings

Overall Controls:
Transpose, Metronome, Tuning

Pitch Bend Wheel:
Pitch Bend Range

Digital Effect:
Reverb:12 types, Reverb Return Level
Chorus: 9 types, Chorus Return Level
DSP: 45 types, DSP Return Level
DSP Variation

Scale Setting:
One-octave keyboard buttons, Scale Tuning
Accompaniment Scale Tuning

Scale Memory:
1~6

Registration Memory:
32 Registration Bank, 1~4, Accomp Freeze

Multi Pads:
36 Preset Multi Pad Kits+4 User Multi Pad Kits
4 Pads+Terminate

Song:
Song: 8 User Songs
Recording Tracks: ACCOMP, MELODY 1,2
Edit: Volume, Voice (MELODY TRACK), Song Clear
Minus One: 3 Modes
Minus One Right-hand Channel,
Minus One Left-hand Channel
Repeat

MIDI:
Remote Channel, Keyboard Out, Song Out, Accompaniment Out, External Clock, Local Control, Initial Data Send, Bulk Data Send

Auxiliary Jacks:
DC IN 10-12V, PHONES, SUSTAIN, AUX OUT R and L+R/L, MIDI IN/OUT

Amplifiers:
6.0 W + 6.0 W (when using PA-5B AC Power adaptor)
4.5 W + 4.5 W (when using batteries)
Phones output: 75Ω ±5% Impedance

Speakers:
12cm (4-3/4") x 2

Power Consumption:
22 W (when using PA-5B AC power adaptor)

Batteries:
Six SUM-1, "D" size, R-20 or equivalent batteries

Rated Voltage:
DC 10-12V

Dimensions (WxDxH):
973 x 397 x 146 mm (38-1/4" x 15-5/8" x 5-3/4")

Weight:
7.4 kg (16.2 lbs.) excluding batteries

Supplied Accessories:
- Music Cartridge
- Music Stand
- Owner's Manual

Optional Accessories:
- Headphones HPE-3, HPE-150
- AC Power Adaptor PA-5, PA-5B, PA-5C
- Footswitch FC4, FC5
- Music Cartridge

** Specifications subject to change without notice.*
* المواصفات عُرضة للتغيير بدون إشعار.

The PSR-A3 is provided with the Panel Voices (voice numbers 01~171) and GM Voices (voice numbers 01~137). GM Voices are used for the accompaniment. Refer to the GM Voice List on page 91 for the accompaniment track voice editing.

Polyphony

The PSR-A3 can play up to 32 individual notes at the same time (i.e. it has a maximum "polyphony" of 32). This number includes all voices used: dual, split, auto accompaniment, song, and multi pads. If the maximum polyphony of the PSR-A3 is exceeded, the excess notes will be truncated (they will not sound).

Another feature affecting polyphony is the fact that some PSR-A3 voices actually use two voices at once, as shown in the voice list below. The effective maximum polyphony of the PSR-A3 is correspondingly reduced when these voices are used.

NOTES

- *The voice list includes the MIDI program numbers and MIDI bank select numbers (Panel Voice List only) that control each voice when the PSR-A3 is played from an external MIDI device.*
- *Panel voice number 113/GM voice number 110 (Bagpipe) uses only one voice above A#2.*

إن الجهاز PSR-A3 مزود بأصوات للوحة التحكم (أرقام الأصوات من ٠١-١٧١) وأصوات GM (أرقام الأصوات من ٠١-١٣٧). الأصوات GM يتم إستخدامها للأدوار المصاحبة. إرجع إلى قائمة أصوات GM في صفحة ٩١ لتغيير صوت مسار الدور المصاحب.

تعدد النغمات

يمكن للجهاز PSR-A3 العزف حتى ٣٢ نغمة فردية في نفس الوقت (أي أن الحد الأقصى لتعدد النغمات هو ٣٢). هذا الرقم يتضمن كل الأصوات المستخدمة: الثنائية، المنقسمة، الدور المصاحب الآلي، الأغنية والحشوات المتعددة. إذا تم تخطي الحد الأقصى لتعدد النغمات للجهاز PSR-A3 ، فإنه سيتم حذف النغمات الزائدة (لن يصدر لها صوت).

خاصية أخرى تؤثر على تعدد النغمات ألا وهي الحقيقة أن بعض أصوات الجهاز PSR-A3 تستخدم صوتين بالفعل في نفس الوقت، كما هو موضح في قائمة الأصوات أسفل. الحد الأقصى الفعلي لتعدد النغمات للجهاز PSR-A3 يقل بالتبعية عند إستخدام هذه الأصوات.

ملاحظات

- *قائمة الأصوات تتضمن أرقام برامج MIDI وأرقام إختيار بنك MIDI (قائمة أصوات لوحة التحكم فقط) التي تتحكم في كل صوت عند تشغيل الجهاز PSR-A3 من جهاز MIDI خارجي.*
- *صوت لوحة التحكم رقم ١١٣/صوت GM رقم ١١٠ (Bagpipe) يستخدم صوت واحد فقط فوق A#2.*

Panel Voice List / قائمة أصوات لوحة التحكم

Voice Number	Bank Select MSB	Bank Select LSB	MIDI Program Number	Voice Name	Number of Notes Used
Piano					
01	0	0	0	Grand Piano	1
02	0	0	1	Bright Piano	1
03	0	0	2	Honky-tonk Piano	2
04	0	0	3	Funky Electric Piano	2
05	0	0	4	DX Electric Piano	2
06	0	0	5	Midi Grand Piano	2
07	0	0	6	Hyper Electric Piano	2
08	0	0	7	Dream Electric Piano	2
09	0	0	8	Bell Electric Piano	2
10	0	0	9	Ice Electric Piano	2
11	0	0	10	Tremolo Electric Piano	2
12	0	0	11	Harpsichord	1
13	0	0	12	Harpsichord Coupled	2
14	0	0	13	Clavi	2
15	0	0	14	Wah Clavi	2
16	0	0	15	Celesta	2
Mallets					
17	0	0	16	Vibraphone	2
18	0	0	17	Marimba	2
19	0	0	18	Glockenspiel	1
20	0	0	19	Xylophone	1
21	0	0	20	Tubular Bells	1
22	0	0	21	Timpani	1
23	0	0	22	Steel Drums	2
24	0	0	23	Dulcimer	2
25	0	0	24	Music Box	2
26	0	0	25	Kalimba	1
Organ					
27	0	0	26	Jazz Organ 1	2
28	0	0	27	Jazz Organ 2	2
29	0	0	28	Drawbar Organ	2
30	0	0	29	Full Organ	2
31	0	0	30	Click Organ	2
32	0	0	31	Rock Organ 1	2
33	0	0	32	Rock Organ 2	2
34	0	0	33	16'+2' Organ	2
35	0	0	34	16'+4' Organ	2
36	0	0	35	Church Organ	2
37	0	0	36	Reed Organ	2
38	0	0	37	Musette Accordion	2
39	0	0	38	Traditional Accordion	2
40	0	0	39	Soft Accordion	2
41	0	0	40	Tango Accordion	2
42	0	0	41	Bandoneon	2

Voice Number	Bank Select MSB	Bank Select LSB	MIDI Program Number	Voice Name	Number of Notes Used
Guitar					
43	0	0	42	Classical Guitar	1
44	0	0	43	Folk Guitar	2
45	0	0	44	12Strings Guitar	2
46	0	0	45	Jazz Guitar	2
47	0	0	46	Octave Guitar	2
48	0	0	47	Hawaiian Guitar	2
49	0	0	48	Clean Guitar	2
50	0	0	49	Tremolo Guitar	2
51	0	0	50	Muted Guitar	2
52	0	0	51	Guitar Harmonics	1
53	0	0	52	Overdriven Guitar	2
54	0	0	53	Distortion Guitar	2
Bass					
55	0	0	54	Acoustic Bass	1
56	0	0	55	Finger Bass	1
57	0	0	56	Pick Bass	1
58	0	0	57	Fretless Bass	2
59	0	0	58	Slap Bass	2
60	0	0	59	Synth Bass 1	2
61	0	0	60	Synth Bass 2	2
62	0	0	61	Techno Bass	2
Strings					
63	0	0	62	Violin	1
64	0	0	63	Viola	1
65	0	0	64	Cello	1
66	0	0	65	Contrabass	1
67	0	0	66	Banjo	1
68	0	0	67	Shamisen	1
69	0	0	68	Koto	1
70	0	0	69	Harp	2
71	0	0	70	Sitar	2
Ensemble					
72	0	0	71	Strings 1	2
73	0	0	72	Strings 2	2
74	0	0	73	Chamber Strings	2
75	0	0	74	Synth Strings	2
76	0	0	75	Slow Strings	2
77	0	0	76	Tremolo Strings	2
78	0	0	77	Violin w/Strings	2
79	0	0	78	Pizzicato Strings	2
80	0	0	79	Choir	2
81	0	0	80	Choir Aahs	2
82	0	0	81	Choir Oohs	2
83	0	0	82	Synth Choir	2
84	0	0	83	Voyager	2
85	0	0	84	Orchestra Hit	1

Voice Number	Bank Select MSB	Bank Select LSB	MIDI Program Number	Voice Name	Number of Notes Used
Brass					
86	0	0	85	Trumpet	2
87	0	0	86	Flugel Horn	2
88	0	0	87	Muted Trumpet	2
89	0	0	88	Trombone	2
90	0	0	89	Trombone Section	2
91	0	0	90	French Horn	1
92	0	0	91	Tuba	1
93	0	0	92	Brass Section	2
94	0	0	93	Brass+Sax	2
95	0	0	94	Brass+Trombone	2
96	0	0	95	Brass+Trumpet	2
97	0	0	96	Synth Brass 1	2
98	0	0	97	Synth Brass 2	2
Reed					
99	0	0	98	Soprano Sax	2
100	0	0	99	Alto Sax	1
101	0	0	100	Breathy Alto Sax	2
102	0	0	101	Tenor Sax	1
103	0	0	102	Breathy Tenor Sax	2
104	0	0	103	Baritone Sax	2
105	0	0	104	Sax + Clarinet	2
106	0	0	105	Sax+Trombone	2
107	0	0	106	Oboe	1
108	0	0	107	English Horn	1
109	0	0	108	Bassoon	1
110	0	0	109	Clarinet	1
111	0	0	110	Harmonica	1
112	0	0	111	Shanai	1
113	0	0	112	Bagpipe	2
Pipe					
114	0	0	113	Piccolo	2
115	0	0	114	Flute	2
116	0	0	115	Pan Flute	2
117	0	0	116	Recorder	1
118	0	0	117	Blown Bottle	2
119	0	0	118	Shakuhachi	1
120	0	0	119	Whistle	1
121	0	0	120	Ocarina	1
Synth Lead					
122	0	0	121	Square Lead	2
123	0	0	122	Sawtooth Lead	2
124	0	0	123	Voice Lead	2
125	0	0	124	Crystal	2
126	0	0	125	Brightness	2
127	0	0	126	Sub Aqua	2
128	0	0	127	Analog Lead	2
129	0	1	0	Rain Hold	2
130	0	1	1	70's Lead	2
131	0	1	2	Synth Clavi	2

Voice Number	Bank Select MSB	Bank Select LSB	MIDI Program Number	Voice Name	Number of Notes Used
Synth Pad					
132	0	1	3	Fantasia	2
133	0	1	4	Bell Pad	2
134	0	1	5	Xenon Pad	2
135	0	1	6	Angels	2
136	0	1	7	Transform	2
137	0	1	8	Atmosphere	2
138	0	1	9	Shining	2
139	0	1	10	Dark Moon	2
140	0	1	11	Cyber Pad	2
141	0	1	12	Sci-Fi	2
Oriental					
142	0	97	107	Kanoun	1
143	0	98	107	Kanoun Octave	2
144	0	98	105	Oud	1
145	0	99	105	Oud with tremolo	2
146	0	97	110	Rababa	1
147	0	96	110	Kaman	1
148	0	96	50	Wataryat	2
149	0	98	25	Bouzouki	1
150	0	97	106	Baglamas	1
151	0	97	15	Santuri	1
152	0	97	25	Bouzouk	2
153	0	97	71	Mizmar	1
154	0	96	74	Mijwez	1
155	0	96	73	Nay	1
156	0	96	75	Kawala	1
157	0	96	109	Argoul	1
158	0	96	61	Arabic Brass	1
159	0	96	19	Arabic Organ	2
160	0	96	23	Arabic Accordion	2
Drum Kits					
161	127	0	0	Standard Kit	1
162	127	0	8	Room Kit	1
163	127	0	16	Rock Kit	1
164	127	0	24	Electronic Kit	1
165	127	0	25	Analog Kit	1
166	127	0	32	Jazz Kit	1
167	127	0	40	Brush Kit	1
168	127	0	48	Classic Kit	1
169	127	0	64	Arabic Kit	1
Dual Only					
170	0	1	13	Organ Harmonics 51/3	1
171	0	1	14	Organ Harmonics 51/3+ 22/3	2

GM Voice List / GM قائمة الصوت

Voice Number	MIDI Program Number	Voice Name	Number of Notes Used
Piano			
01	0	Acoustic Grand Piano	1
02	1	Bright Acoustic Piano	1
03	2	Electric Grand Piano	2
04	3	Honky-tonk Piano	2
05	4	Electric Piano 1	2
06	5	Electric Piano 2	2
07	6	Harpsichord	1
08	7	Clavi	1
Chromatic Percussion			
09	8	Celesta	1
10	9	Glockenspiel	1
11	10	Music Box	2
12	11	Vibraphone	1
13	12	Marimba	1
14	13	Xylophone	1
15	14	Tubular Bells	1
16	15	Dulcimer	2
Organ			
17	16	Drawbar Organ	1
18	17	Percussive Organ	1
19	18	Rock Organ	2
20	19	Church Organ	2
21	20	Reed Organ	1
22	21	Accordion	2
23	22	Harmonica	1
24	23	Bandoneon	2
Guitar			
25	24	Acoustic Guitar (nylon)	1
26	25	Acoustic Guitar (steel)	1
27	26	Electric Guitar (jazz)	1
28	27	Electric Guitar (clean)	2
29	28	Electric Guitar (muted)	1
30	29	Overdriven Guitar	1
31	30	Distortion Guitar	1
32	31	Guitar Harmonics	1
Bass			
33	32	Acoustic Bass	1
34	33	Electric Bass (finger)	1
35	34	Electric Bass (pick)	1
36	35	Fretless Bass	1
37	36	Slap Bass 1	1
38	37	Slap Bass 2	1
39	38	Synth Bass 1	1
40	39	Synth Bass 2	1
Strings			
41	40	Violin	1
42	41	Viola	1
43	42	Cello	1
44	43	Contrabass	1
45	44	Tremolo Strings	2
46	45	Pizzicato Strings	2
47	46	Orchestral Harp	1
48	47	Timpani	1
Ensemble			
49	48	Strings Ensemble 1	1
50	49	Strings Ensemble 2	1
51	50	Synth Strings 1	2
52	51	Synth Strings 2	2
53	52	Choir Aahs	2
54	53	Voice Oohs	1
55	54	Synth Voice	1
56	55	Orchestra Hit	1
Brass			
57	56	Trumpet	1
58	57	Trombone	1
59	58	Tuba	1
60	59	Muted Trumpet	1
61	60	French Horn	1
62	61	Brass Section	1
63	62	Synth Brass 1	2
64	63	Synth Brass 2	2
Reed			
65	64	Soprano Sax	1
66	65	Alto Sax	1
67	66	Tenor Sax	1
68	67	Baritone Sax	1
69	68	Oboe	1
70	69	English Horn	1
71	70	Bassoon	1
72	71	Clarinet	1
Pipe			
73	72	Piccolo	1
74	73	Flute	1
75	74	Recorder	1
76	75	Pan Flute	1
77	76	Blown Bottle	2
78	77	Shakuhachi	1
79	78	Whistle	1
80	79	Ocarina	1
Synth Lead			
81	80	Lead 1 (square)	2
82	81	Lead 2 (sawtooth)	2
83	82	Lead 3 (calliope)	2
84	83	Lead 4 (chiff)	2
85	84	Lead 5 (charang)	2
86	85	Lead 6 (voice)	2
87	86	Lead 7 (fifth)	2
88	87	Lead 8 (bass+Lead)	2
Synth Pad			
89	88	Pad 1 (new age)	2
90	89	Pad 2 (warm)	2
91	90	Pad 3 (polysynth)	2
92	91	Pad 4 (choir)	2
93	92	Pad 5 (bowed)	2
94	93	Pad 6 (metallic)	2
95	94	Pad 7 (halo)	2
96	95	Pad 8 (sweep)	2
Synth Effects			
97	96	FX 1 (rain)	2
98	97	FX 2 (soundtrack)	2
99	98	FX 3 (crystal)	2
100	99	FX 4 (atmosphere)	2
101	100	FX 5 (brightness)	2
102	101	FX 6 (goblins)	2
103	102	FX 7 (echoes)	2
104	103	FX 8 (sci-fi)	2
Ethnic			
105	104	Sitar	1
106	105	Banjo	1
107	106	Shamisen	1
108	107	Koto	1
109	108	Kalimba	1
110	109	Bagpipe	2
111	110	Fiddle	1
112	111	Shanai	1
Percussive			
113	112	Tinkle Bell	2
114	113	Agogo	1
115	114	Steel Drums	2
116	115	Woodblock	1
117	116	Taiko Drum	1
118	117	Melodic Tom	1
119	118	Synth Drum	1
120	119	Reverse Cymbal	1
Sound Effects			
121	120	Guitar Fret Noise	1
122	121	Breath Noise	1
123	122	Seashore	2
124	123	Bird Tweet	2
125	124	Telephone Ring	1
126	125	Helicopter	2
127	126	Applause	2
128	127	Gunshot	1
Drum Kits			
129	0	Standard Kit	1
130	8	Room Kit	1
131	16	Rock Kit	1
132	24	Electronic Kit	1
133	25	Analog Kit	1
134	32	Jazz Kit	1
135	40	Brush Kit	1
136	48	Classic Kit	1
137	64	Arabic Kit	1

Percussion Kit List / قائمة مجموعة النقر

* "<——" indicates the content is the same as that of Standard Kit.
* The number in parentheses ( ) after the percussion kit name is the MIDI program number.
* The corresponding MIDI note numbers for the notes listed in the chart below are actually one octave lower. For example, the MIDI note number for note #36 (C1) in the chart is note #24 (C0).
* Each drum/percussion voice uses one note.
* The drum and percussion voices in same alternate group *1–8 can not be played at the same time.
* The PSR-A3 has two Arabic Kits (Panel Arabic Kit: panel voice number 169 and GM Arabic Kit: GM voice number 137). Panel Arabic Kit will be used when you normally play on the keyboard or the PSR-A3 receives program change messages on the specified remote channel or receives program change messages after receiving "Panel Voice" message. GM Arabic Kit will be selected only when you change the accompaniment track voices, or the PSR-A3 receives program change messages through MIDI under the condition excepting the ones mentioned above.
* GM voice numbers 129 through 136 correspond to the panel voice numbers 161 through 168 respectively.

Note#	Note	**161/129: Standard Kit** (0)	**162/130: Room Kit** (8)	**163/131: Rock Kit** (16)	**164/132: Electronic Kit** (24)	**165/133: Analog Kit** (25)
25	C#0	Surdo Mute	<——	<——	<——	<——
26	D0	Surdo Open	<——	<——	<——	<——
27	D#0	Hi Q	<——	<——	<——	<——
28	E0	Whip Slap	<——	<——	<——	<——
29	F0	Scratch H	<——	<——	<——	<——
30	F#0	Scratch L	<——	<——	<——	<——
31	G0	FingerSnap	<——	<——	<——	<——
32	G#0	Click Noise	<——	<——	<——	<——
33	A0	Metronome Click	<——	<——	<——	<——
34	A#0	Metronome Bell	<——	<——	<——	<——
35	B0	Click L (Square wave)	<——	<——	<——	<——
36	C1	Click H (Square wave)	<——	<——	<——	<——
37	C#1	Brush Tap	<——	<——	<——	<——
38	D1	Brush Swirl	<——	<——	<——	<——
39	D#1	Brush Slap	<——	<——	<——	<——
40	E1	Brush Swirl W/Attack	<——	<——	Reverse Cymbal	Reverse Cymbal
41	F1	Snare Roll	<——	<——	<——	<——
42	F#1	Castanet	<——	<——	Hi-Q	Hi-Q
43	G1	Snare H Soft	Snare Room L	Snare Rock L	Snare Gate L	Snare Analog L
44	G#1	Sticks	<——	<——	<——	<——
45	A1	Bass Drum H Soft	Bass Drum Room L	Bass Drum Rock L	Bass Drum Gate L	Bass Drum Analog L
46	A#1	Open Rim Shot	<——	<——	<——	<——
47	B1	Bass Drum L	Bass Drum Room M	Bass Drum Rock M	Bass Drum Gate M	Bass Drum Analog M
48	C2	Bass Drum H Hard	Bass Drum Room H	Bass Drum Rock H	Bass Drum Gate H	Bass Drum Analog H
49	C#2	Closed Rim Shot	<——	<——	<——	Closed Rim Shot Analog
50	D2	Snare L	Snare Room M	Snare Rock M	Snare Gate M	Snare Analog M
51	D#2	Hand Clap	<——	<——	<——	<——
52	E2	Snare H Hard	Snare Room H	Snare Rock H	Snare Gate H	Snare Analog H
53	F2	Floor Tom L	Room Tom 1	Rock Tom 1	Electronic Tom 1	Snare Analog H
54	F#2	Hi-Hat Closed *1	<——	<——	<——	Analog Hi-hat Closed 1 *3
55	G2	Floor Tom H	Room Tom 2	Rock Tom 2	Electronic Tom 2	Analog Tom 2
56	G#2	Hi-Hat Pedal *1	<——	<——	<——	Analog Hi-hat Closed 2 *3
57	A2	Low Tom	Room Tom 3	Rock Tom 3	Electronic Tom 3	Analog Tom 3
58	A#2	Hi-Hat Open *1	<——	<——	<——	Analog Hi-hat Open *3
59	B2	Mid Tom L	Room Tom 4	Rock Tom 4	Electronic Tom 4	Analog Tom 4
60	C3	Mid Tom H	Room Tom 5	Rock Tom 5	Electronic Tom 5	Analog Tom 5
61	C#3	Crash Cymbal 1	<——	<——	<——	<——
62	D3	High Tom	Room Tom 6	Rock Tom 6	Electronic Tom 6	Analog Tom 6
63	D#3	Ride Cymbal 1	<——	<——	<——	<——
64	E3	Chinese Cymbal	<——	<——	<——	<——
65	F3	Ride Cymbal Cup	<——	<——	<——	<——
66	F#3	Tambourine	<——	<——	<——	<——
67	G3	Splash Cymbal	<——	<——	<——	<——
68	G#3	Cowbell	<——	<——	<——	<——
69	A3	Crash Cymbal 2	<——	<——	<——	<——
70	A#3	Vibraslap	<——	<——	<——	<——
71	B3	Ride Cymbal 2	<——	<——	<——	<——
72	C4	Bongo H	<——	<——	<——	<——
73	C#4	Bongo L	<——	<——	<——	<——
74	D4	Conga H Mute	<——	<——	<——	<——
75	D#4	Conga H Open	<——	<——	<——	<——
76	E4	Conga L	<——	<——	<——	<——
77	F4	Timbale H	<——	<——	<——	<——
78	F#4	Timbale L	<——	<——	<——	<——
79	G4	Agogo H	<——	<——	<——	<——
80	G#4	Agogo L	<——	<——	<——	<——
81	A4	Cabasa	<——	<——	<——	<——
82	A#4	Maracas	<——	<——	<——	<——
83	B4	Samba Whistle H	<——	<——	<——	<——
84	C5	Samba Whistle L	<——	<——	<——	<——
85	C#5	Guiro Short	<——	<——	<——	<——
86	D5	Guiro Long	<——	<——	<——	<——
87	D#5	Claves	<——	<——	<——	<——
88	E5	Wood Block H	<——	<——	<——	<——
89	F5	Wood Block L	<——	<——	<——	<——
90	F#5	Cuica Mute	<——	<——	Scratch H	Scratch H
91	G5	Cuica Open	<——	<——	Scratch L	Scratch L
92	G#5	Triangle Mute *2	<——	<——	<——	<——
93	A5	Triangle Open *2	<——	<——	<——	<——
94	A#5	Shaker	<——	<——	<——	<——
95	B5	Jingle Bell	<——	<——	<——	<——
96	C6	Bell Tree	<——	<——	<——	<——

Percussion Kit List / قائمة مجموعة النقر

* "<—" بين أن المحتويات تماثل المجموعة القياسية.
* الرقم في الأقواس ( ) بعد إسم مجموعة النقر هو رقم البرنامج MIDI .
* أرقام النغمات MIDI المقابلة المذكورة في القائمة أسفل هي بالفعل أوكتاف واحد أقل. كمثال، رقم النغمة MIDI للنغمة رقم #٣٦ (C1) في القائمة هو النغمة رقم #٢٤ (C0) .
* كل صوت طبلة/نقر يستخدم نغمة واحدة.
* أصوات الطبلة والنقر في نفس مجموعة التردد *١–٨ لا يمكن عزفها في نفس الوقت.

* الجهاز PSR-A3 به مجموعتين عربيتين (مجموعة عربية للوحة: صوت اللوحة رقم ١٦٩ ومجموعة GM عربية: صوت GM رقم ١٣٧). المجموعة العربية للوحة سيتم إستخدامها عندما تقوم بالعزف العادي على لوحة المفاتيح أو أن يستقبل الجهاز PSR-A3 رسائل تغيير البرنامج على القناة البعيدة المحددة أو يستقبل رسائل تغيير البرنامج بعد إستقبال رسالة "صوت اللوحة". مجموعة GM العربية سيتم إختيارها فقط عندما تقوم بتغيير أصوات مسار الدور المصاحب أو أن يستقبل الجهاز PSR-A3 رسائل تغيير البرنامج من خلال MIDI بشرط أن تكون خلاف الرسائل المذكورة أعلاه.
* أصوات GM أرقام ١٢٩ حتى ١٣٦ تقابل أصوات لوحة التحكم أرقام ١٦١ حتى ١٦٨، على التوالي.

Note#	Note	166/134: Jazz Kit (32)	167/135: Brush Kit (40)	168/136: Classic Kit (48)
25	C#0	<—	<—	<—
26	D0	<—	<—	<—
27	D#0	<—	<—	<—
28	E0	<—	<—	<—
29	F0	<—	<—	<—
30	F#0	<—	<—	<—
31	G0	<—	<—	<—
32	G#0	<—	<—	<—
33	A0	<—	<—	<—
34	A#0	<—	<—	<—
35	B0	<—	<—	<—
36	C1	<—	<—	<—
37	C#1	<—	<—	<—
38	D1	<—	<—	<—
39	D#1	<—	<—	<—
40	E1	<—	<—	<—
41	F1	<—	<—	<—
42	F#1	<—	<—	<—
43	G1	<—	Brush Slap L	Snare Classic L
44	G#1	<—	<—	<—
45	A1	<—	<—	Gran Casa L
46	A#1	<—	<—	<—
47	B1	<—	<—	Gran Casa M
48	C2	<—	<—	Gran Casa H
49	C#2	<—	<—	<—
50	D2	<—	Brush Slap H	Snare Classic M
51	D#2	<—	<—	<—
52	E2	<—	Brush Tap	Snare Classic H
53	F2	Natural Tom 1	Brush Tom 1	Natural Tom 1
54	F#2	Dark Hi-Hat Closed *4	Dark Hi-Hat Closed *5	Dark Hi-Hat Closed *6
55	G2	Natural Tom 2	Brush Tom 2	Natural Tom 2
56	G#2	Dark Hi-Hat Pedal *4	Dark Hi-Hat Pedal *5	Dark Hi-Hat Pedal *6
57	A2	Natural Tom 3	Brush Tom 3	Natural Tom 3
58	A#2	Dark Hit Hat Open *4	Dark Hit Hat Open *5	Dark Hit Hat Open *6
59	B2	Natural Tom 4	Brush Tom 4	Natural Tom 4
60	C3	Natural Tom 5	Brush Tom 5	Natural Tom 5
61	C#3	<—	<—	Hand Cymbal Long L
62	D3	Natural Tom 6	Brush Tom 6	Natural Tom 6
63	D#3	<—	<—	Hand Cymbal Short L
64	E3	<—	<—	<—
65	F3	<—	<—	<—
66	F#3	<—	<—	<—
67	G3	<—	<—	<—
68	G#3	<—	<—	<—
69	A3	<—	<—	Hand Cymbal Long H
70	A#3	<—	<—	<—
71	B3	<—	<—	Hand Cymbal Short H
72	C4	<—	<—	<—
73	C#4	<—	<—	<—
74	D4	<—	<—	<—
75	D#4	<—	<—	<—
76	E4	<—	<—	<—
77	F4	<—	<—	<—
78	F#4	<—	<—	<—
79	G4	<—	<—	<—
80	G#4	<—	<—	<—
81	A4	<—	<—	<—
82	A#4	<—	<—	<—
83	B4	<—	<—	<—
84	C5	<—	<—	<—
85	C#5	<—	<—	<—
86	D5	<—	<—	<—
87	D#5	<—	<—	<—
88	E5	<—	<—	<—
89	F5	<—	<—	<—
90	F#5	<—	<—	<—
91	G5	<—	<—	<—
92	G#5	<—	<—	<—
93	A5	<—	<—	<—
94	A#5	<—	<—	<—
95	B5	<—	<—	<—
96	C6	<—	<—	<—

169: Panel Arabic Kit (64)	137: GM Arabic Kit (64)
—	Tabel Tak
—	Tabel Dom
—	Nakarazan Edge
—	Whip Slap
—	Scratch H
—	Scratch L
—	Nakarazan Dom
—	Katem Tak
—	Katem Sak
—	Katem Dom
—	Rik Tak 2
Nakarazan Dom	Rik Tak 1
Cabasa	Rik Finger 2
Nakarazan Edge	Brush Swirl
Hager Dom	Rik Finger 1
Hager Edge	Rik Brass Tremolo
Bongo H	Tabla Roll of Edge
Bongo L	Rik Dom
Conga H Mute	Duhulla Sak
Conga H Open	Rik Sak
Conga L	Tabla Dom
Zagrouda H	Tabla Sak
Zagrouda L	Duhulla Dom
Bass Drum L	Bass Drum L
Closed Rim Shot	Closed Rim Shot
Snare H Soft	Snare H Soft
Arabic Hand Clap	Arabic Hand Clap
Snare H Hard	Snare H Hard
Floor Tom L	Floor Tom L
Dark Hi-Hat Closed *7	Dark Hi-Hat Closed *8
Floor Tom H	Floor Tom H
Dark Hi-Hat Pedal *7	Dark Hi-Hat Pedal *8
Low Tom	Low Tom
Dark Hit Hat Open *7	Dark Hit Hat Open *8
Mid Tom L	Mid Tom L
Mid Tom H	Mid Tom H
Crash Cymbal 1	Crash Cymbal 1
High Tom	High Tom
Ride Cymbal 1	Ride Cymbal 1
Crash Cymbal 2	Chinese Cymbal
Duhulla Dom	Ride Cymbal Cup
Tambourine	Tambourine
Duhulla Tak	Splash Cymbal
Cowbell	Cowbell
Duhulla Sak	Crash Cymbal 2
Claves	Tabla Flam
Doff Dom	Rik Tik
Katem Dom	Bongo H
Katem Tak	Bongo L
Katem Sak	Conga H Mute
Katem Tak	Conga H Open
Doff Tak	Conga L
Tabla Dom	Doff Tak
Tabla Tak1	Doff Dom
Tabla Tik	Agogo H
Tabla Tak2	Agogo L
Tabla Sak	Cabasa
Tabla Roll of Edge	Tabla Tik
Tabla Flam	Zagrouda H
Sagat 1	Zagrouda L
Tabel Dom	Guiro Short
Sagat 3	Guiro Long
Tabel Tak	Claves
Sagat 2	Tabla Tak2
Rik Dom	Tabla Tak1
Rik Tak 2	Hager Edge
Rik Finger 1	Hager Dom
Rik Tak 1	Sagat 2
Rik Finger 2	Sagat 3
Rik Brass Tremolo	Duhulla Tak
Rik Sak	Sagat 1
Rik Tik	Bell Tree

MIDI Implementation Chart / MIDI جدول أداء

[Portable Keyboard]
Model: PSR-A3

MIDI Implementation Chart

Date: 1995. 5. 18
Version: 1.00

Function		Transmitted	Recognized	Remarks
Basic	Default	1~16 CH	1~16 CH (*1)	
Channel	Changed	1~16 CH	1~16 CH (*1)	
Mode	Default	Mode 3	(*1)	
	Messages	×	×	
	Altered	**********	×	
Note Number	: True voice	0~127 **********	0~127 0~127	
Velocity	Note on	O 9nH, v=1~127	O 9nH, v=1~127	
	Note off	× 9nH, v=0	× 9nH, v=0 or 8nH	
After	key's	×	×	
Touch	Ch's	×	×	
Pitch Bender		O	O	
Control Change	0, 32	O	O	Bank select MSB, LSB (*2)
	1	× (*3)	O	Modulation
	6, 38	O	O	Data entry MSB, LSB
	7	O	O	Volume
	10	O	O	Pan
	11	× (*3)	O	Expression
	64	O	O	Sustain
	66	× (*3)	O	Sostenuto
	67	× (*3)	O	Soft pedal
	71	× (*3)	O	Harmonic content
	72	× (*3)	O	Release time
	73	× (*3)	O	Attack time
	74	× (*3)	O	Brightness
	84	× (*3)	O	Portamento control
	91	O	O	Reverb send level
	93	O	O	Chorus send level
	94	O	O	DSP send level
	96, 97	× (*3)	O	Data increment, decrement
	98, 99	× (*3)	O	NRPN LSB, MSB (*4)
	100, 101	O	O	RPN LSB, MSB (*5)
	120	O (*6)	O	All sound off
	121	×	O	Reset all controllers (*7)
Program Change	: True #	O 0~127 **********	O 0~127 0~127 (*8)	
System Exclusive		O	O	(*10)
System	: Song Position	×	×	
	: Song Select	×	×	
Common	: Tune	×	×	
System	: Clock	O	O (*9)	
Real Time	: Commands	O	O (*9)	Start, stop
Aux	: Local ON/OFF	×	×	
	: All Notes Off	×	O	
Messages	: Active Sense	O	O	
	: Reset	×	×	

Mode 1: OMNI ON, POLY
Mode 2: OMNI ON, MONO
Mode 3: OMNI OFF, POLY
Mode 4: OMNI OFF, MONO

O: Yes
×: No

*1 PSR-A3 ordinarily functions as 16 MIDI channel multi-timbral tone generator controlled by MIDI reception data. Panel voices and the other panel settings are not affected by the MIDI message, excepting the followings:

MIDI Master Tuning
System Exclusive Message for controlling Reverb, Chorus and Dsp

The Remote Channel can be designated by the panel settings. The designated channel on the PSR-A3 can be controlled by an external device and receive all the data excepting the following control change data:

Data entry, MSB, LSB
Portamento control
Data increment
Data decrement
NRPN LSB, MSB
RPN LSB, MSB

*2 Bank Select MSB
The bank select MSB is used for melody voice and rhythm voice switching.

MSB 00H: Melody voice.
MSB 7FH: Rhythm voice.

Transmission: Transmitted when changing the voice, style and song.
Reception: All channels except10 channel receive this message. (10 channel is fixed at rhythm voice.). But when 10 channel is set for the remote channel or receives XG System On message, 10 channel receives this message and the rhythm voice can change to the melody voice.

Bank Select LSB
This message is used to correspond to the panel voice numbers higher than 128.

Bank Select LSB=00H: program change numbers 0~127 correspond to the panel voice numbers 1~128.
Bank Select LSB=01H: program change numbers 0~12 correspond to the panel voice numbers 129~141.
Bank Select LSB=96H~99H: Oriental voices (refer to the Panel Voice List on page 90).

Transmission: Transmitted when changing the voice, style and song.
Reception: This message can be received only at the channel designated as the remote channel or the panel voice.

No voice change will occur when only a bank select is received. When a program change is received the latest bank select value is used.

*3 These Control Change messages are not transmitted by the PSR-A3 panel operation, but may be transmitted by the accompaniment style playing.

*4 NRPN transmission/reception
The following parameters are supported.

NRPN MSB	NRPN LSB	Data entry MSB	Data entry LSB	Parameter Name/Range	Default
01H	08H	mmH	- -	Vibrato Rate mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	09H	mmH	- -	Vibrato Depth mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	0AH	mmH	- -	Vibrato Delay mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	20H	mmH	- -	Filter Cutoff Freq. mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	21H	mmH	- -	Filter Resonance mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	63H	mmH	- -	EG Attack Time mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	64H	mmH	- -	EG Decay Time mm : 00H - 40H - 7FH (-64 - 0 - +63)	40H
01H	66H	mmH	- -	EG Release TIme mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
14H	rrH	mmH	- -	Drum Filter Cutoff Freq. rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
15H	rrH	mmH	- -	Drum Filter Resonance rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
16H	rrH	mmH	- -	Drum EG Attack Rate rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
17H	rrH	mmH	- -	Drum EG Decay Rate rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
18H	rrH	mmH	- -	Drum Instrument Pitch Course rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
19H	rrH	mmH	- -	Drum Instrument Pitch Fine rr: drum instrument note number mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
1AH	rrH	mmH	- -	Drum Instrument Level rr: drum instrument note number mm: 00H - 7FH (0 - 127)	Depends on note
1CH	rrH	mmH	- -	Drum Instrument Panpot rr: drum instrument note number mm: 00H - 40H - 7FH (L - Center - R)	Depends on note
1DH	rrH	mmH	- -	Drum Instrument Reverb Send Level rr: drum instrument note number mm: 00H - 7FH (0 - 127)	Depends on note
1EH	rrH	mmH	- -	Drum Instrument Chorus Send Level rr: drum instrument note number mm: 00H - 7FH (0 - 127)	Depends on note
1FH	rrH	mmH	- -	Drum Instrument DSP Send Level rr: drum instrument note number mm : 00H - 7FH (0 - 127)	7FH

Data entry LSB is ignored.

*5 RPN transmission/reception
The following parameters are supported.

RPN MSB	RPN LSB	Data entry MSB	Data entry LSB	Parameter Name/Range	Default
00H	00H	mmH	- -	Pitch bend Sensitivity mm: 00H - 02H - 0CH (0 - 2 - 12)	02H
00H	01H	mmH	- -	Fine Tuning mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
00H	02H	mmH	- -	Course Tuning mm: 00H - 40H - 7FH (-64 - 0 - +63)	40H
7FH	7FH	- -	- -	RPN Null Clears current RPN and NRPN number settings.	- -

Data entry LSB is ignored.

*6 Not transmitted when Song and Accompaniment is playing.

*7 Pitch Bend, modulation, expression, sustain, sostenuto and softpedal are returned to their defult values.
Clears current RPN and NRPN number settings.
Resets portament source note number.

*8 129~160 voice numbers are selectable through an appropriate Bank Select setting (Refer to *2).

*9 When the External Clock is turned ON by PSR-A3 panel setting, Clock, Start/Stop message will be received.
The start/stop of the song recording and playback will be controlled by the external device. The initial set up data is transmitted before the song playback, so that the start may be delayed.

*10 Exclusive

The following system exclusive parameters are supported.

<GM system ON> F0H, 7EH, 7FH, 09H, 01H, F7H

All parameters except MIDI master Tuning and Dsp setting are reset to their default values.
Remote Channel setting is canceled.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

<DISK ORCHESTRA ON> F0H, 43H, 73H, 01H, 14H, F7H

This message switches PSR-A3 to Disk Orchestra defualt settings.
Remote Channel setting is canceled.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

<DISK ORCHESTRA OFF> F0H, 43H, 73H, 01H, 13H, F7H

This message switches Disk Orchestra ON to OFF.
All parameters except MIDI master Tuning are reset to their default values.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

<MIDI Master Volume> F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H

Allows the volume of all channels to be changed simultaneously.
"mm" is used as the MIDI Master Volume value ("ll" is ignored).
The defalut value for "mm" is 7FH.

<MIDI Master Tuning>

F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
"mmll" is used as the MIDI Master Tuning value.
The tuning value is represented as follows:

T=M-128 (28<=M<=228), T=-100 (M<28), T=100 (M>228)

Where T is the actual tuning value in cents.
M is decimal value represented by 1-byte using bits 0..3 of "mm" as the MSB and bits 0..3 of "ll" as the LSB.

The default values of "mm" and "ll" are 08H and 00H resprectively.
n and cc are also recognized.
This value is not reset by a GM System ON or Reset All Controllers message.
This value affects not only MIDI reception part but the entire system of the PSR-A3.

<Panel Voice> F0H, 43H, 76H, 1BH, cc, vv, F7H

This message alternately selects Panel voice or GM voice.

cc: MIDI channel
vv: 00=GM voice mode/01=Panel voice mode

GM voice mode is defalut.
This message is ignored by the remote channel.

<Bulk Dump>

Song Memory:
F0H, 43H, 76H, 1CH, bl, bh, <DATA>, cs, F7H
Multi Pad:
F0H, 43H, 76H, 1DH, bl, bh, <DATA>, cs, F7H
Registration Memory:
F0H, 43H, 76H, 1EH, bl, bh, <DATA>, cs, F7H
Scale Memory:
F0H, 43H, 76H, 1FH, bl, bh, <DATA>, cs, F7H

"bl" and "bh" represent the total byte count as "bl + bh*128".
cs=Checksum.

<XG System On> F0H, 43H, 1nH, 4CH, 00H, 00H, 7EH, 00H, F7H

n: device number (transmission: n=0, reception: n is ignored.)
All parameters except MIDI master Tuning are reset to their default values.
Remote Channel setting is canceled.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

<XG Parameter Change>

F0H, 43H, 1nH, 4CH, aaH, bbH, ccH, ddH.....F7H
n: device number(transmission: n=0, reception: n is ignored.)
aa,bb,cc: address High, Mid, Low (see below)
dd: data (succesive transmission and reception are possible within the amount of data shown in the following Table-1)

Note: PSR-A3 corresponds to XG parameters in the Table-1. But this is a part of XG parameters, PSR-A3 does not perfectly correspond to XG format.

<Table-1> Parameter Change

SYSTEM

Address (H)			Size (H)	Data (H)	Parameter	Description	Default value(H)
00	00	00	4	0000 - 07FF	MASTER TUNE	-102.4 - +102.3[cent] 1st bit3-0 → bit15-12 2nd bit3-0 → bit11-8 3rd bit3-0 → bit7-4 4th bit3-0 → bit3-0	00 04 00 00
		01					
		02					
		03					
		04	1	00 - 7F	MASTER VOLUME	0 - 127	7F
		06	1	28 - 58	TRANSPOSE	-24 - +24[semitone]	40
		7D	1	00 - 01	DRUM SETUP RESET	00: Drum setup 1 01: Drum setup 2	—
		7E	1	00	XG SYSTEM ON		—
		7F	1	00	ALL PARAMETER RESET		—

EFFECT

Address (H)			Size (H)	Data (H)	Parameter	Description	Default value(H)
02	01	00	2	00-7F	REVERB TYPE MSB	Refer to Table-2	01(=HALL1)
				00-7F	REVERB TYPE LSB	Refer to Table-2	00
		02	1	00-7F	REVERB PARAMETER 1	Refer to Table-3	Depends on reverb type
		03	1	00-7F	REVERB PARAMETER 2	Refer to Table-3	Depends on reverb type
		04	1	00-7F	REVERB PARAMETER 3	Refer to Table-3	Depends on reverb type
		05	1	00-7F	REVERB PARAMETER 4	Refer to Table-3	Depends on reverb type
		06	1	00-7F	REVERB PARAMETER 5	Refer to Table-3	Depends on reverb type
		07	1	00-7F	REVERB PARAMETER 6	Refer to Table-3	Depends on reverb type
		08	1	00-7F	REVERB PARAMETER 7	Refer to Table-3	Depends on reverb type
		09	1	00-7F	REVERB PARAMETER 8	Refer to Table-3	Depends on reverb type
		0A	1	00-7F	REVERB PARAMETER 9	Refer to Table-3	Depends on reverb type
		0B	1	00-7F	REVERB PARAMETER 10	Refer to Table-3	Depends on reverb type
		0C	1	00-7F	REVERB RETURN	-∞dB...0dB...+6dB(0...64...127)	40
		0D	1	01-7F	REVERB PAN	L63...C...R63(1...64...127)	40
02	01	10	1	00-7F	REVERB PARAMETER 11	Refer to Table-3	Depends on reverb type
		11	1	00-7F	REVERB PARAMETER 12	Refer to Table-3	Depends on reverb type
		12	1	00-7F	REVERB PARAMETER 13	Refer to Table-3	Depends on reverb type
		13	1	00-7F	REVERB PARAMETER 14	Refer to Table-3	Depends on reverb type
		14	1	00-7F	REVERB PARAMETER 15	Refer to Table-3	Depends on reverb type
		15	1	00-7F	REVERB PARAMETER 16	Refer to Table-3	Depends on reverb type
02	01	20	2	00-7F	CHORUS TYPE MSB	Refer to Table-2	41(=CHORUS1)
				00-7F	CHORUS TYPE LSB	Refer to Table-2	00
		22	1	00-7F	CHORUS PARAMETER 1	Refer to Table-3	Depends on chorus type
		23	1	00-7F	CHORUS PARAMETER 2	Refer to Table-3	Depends on chorus type
		24	1	00-7F	CHORUS PARAMETER 3	Refer to Table-3	Depends on chorus type
		25	1	00-7F	CHORUS PARAMETER 4	Refer to Table-3	Depends on chorus type
		26	1	00-7F	CHORUS PARAMETER 5	Refer to Table-3	Depends on chorus type
		27	1	00-7F	CHORUS PARAMETER 6	Refer to Table-3	Depends on chorus type
		28	1	00-7F	CHORUS PARAMETER 7	Refer to Table-3	Depends on chorus type
		29	1	00-7F	CHORUS PARAMETER 8	Refer to Table-3	Depends on chorus type
		2A	1	00-7F	CHORUS PARAMETER 9	Refer to Table-3	Depends on chorus type
		2B	1	00-7F	CHORUS PARAMETER 10	Refer to Table-3	Depends on chorus type
		2C	1	00-7F	CHORUS RETURN	-∞dB...0dB...+6dB(0...64...127)	40
		2D	1	01-7F	CHORUS PAN	L63...C...R63(1...64...127)	40
		2E	1	00-7F	SEND CHORUS TO REVERB	-∞dB...0dB...+6dB(0...64...127)	00
02	01	30	1	00-7F	CHORUS PARAMETER 11	Refer to Table-3	Depends on chorus type
		31	1	00-7F	CHORUS PARAMETER 12	Refer to Table-3	Depends on chorus type
		32	1	00-7F	CHORUS PARAMETER 13	Refer to Table-3	Depends on chorus type
		33	1	00-7F	CHORUS PARAMETER 14	Refer to Table-3	Depends on chorus type
		34	1	00-7F	CHORUS PARAMETER 15	Refer to Table-3	Depends on chorus type
		35	1	00-7F	CHORUS PARAMETER 16	Refer to Table-3	Depends on chorus type
02	01	40	2	00-7F	VARIATION TYPE MSB	Refer to Table-2	05(=DELAY L,C,R)
				00-7F	VARIATION TYPE LSB	Refer to Table-2	00
		42	2	00-7F	VARIATION PARAMETER 1 MSB	Refer to Table-3	Depends on variation type
				00-7F	VARIATION PARAMETER 1 LSB	Refer to Table-3	Depends on variation type
		44	2	00-7F	VARIATION PARAMETER 2 MSB	Refer to Table-3	Depends on variation type
				00-7F	VARIATION PARAMETER 2 LSB	Refer to Table-3	Depends on variation type
		46	2	00-7F	VARIATION PARAMETER 3 MSB	Refer to Table-3	Depends on variation type
				00-7F	VARIATION PARAMETER 3 LSB	Refer to Table-3	Depends on variation type
		48	2	00-7F	VARIATION PARAMETER 4 MSB	Refer to Table-3	Depends on variation type
				00-7F	VARIATION PARAMETER 4 LSB	Refer to Table-3	Depends on variation type

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
4A	2	00-7F	VARIATION PARAMETER 5 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 5 LSB	Refer to Table-3	Depends on variation type
4C	2	00-7F	VARIATION PARAMETER 5 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 6 LSB	Refer to Table-3	Depends on variation type
4E	2	00-7F	VARIATION PARAMETER 7 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 7 LSB	Refer to Table-3	Depends on variation type
50	2	00-7F	VARIATION PARAMETER 8 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 8 LSB	Refer to Table-3	Depends on variation type
52	2	00-7F	VARIATION PARAMETER 9 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 9 LSB	Refer to Table-3	Depends on variation type
54	2	00-7F	VARIATION PARAMETER 10 MSB	Refer to Table-3	Depends on variation type
		00-7F	VARIATION PARAMETER 10 LSB	Refer to Table-3	Depends on variation type
56	1	00-7F	VARIATION RETURN	-∞dB...0dB...+6dB(0...64...127)	40
57	1	01-7F	VARIATION PAN	L63...C...R63(1...64...127)	40
58	1	00-7F	SEND VARIATION TO REVERB	-∞dB...0dB...+6dB(0...64...127)	00
59	1	00-7F	SEND VARIATION TO CHORUS	-∞dB...0dB...+6dB(0...64...127)	00
5A	1	00-01	VARIATION CONNECTION	"0:INSERTION,1:SYSTEM"	00
5B	1	00-01	VARIATION PART	00H~0FH: Ch1~16 7F: Off	7F
02 01 70	1	00-7F	VARIATION PARAMETER 11	Refer to Table-3	Depends on variation type
71	1	00-7F	VARIATION PARAMETER 12	Refer to Table-3	Depends on variation type
72	1	00-7F	VARIATION PARAMETER 13	Refer to Table-3	Depends on variation type
73	1	00-7F	VARIATION PARAMETER 14	Refer to Table-3	Depends on variation type
74	1	00-7F	VARIATION PARAMETER 15	Refer to Table-3	Depends on variation type
75	1	00-7F	VARIATION PARAMETER 16	Refer to Table-3	Depends on variation type

* VARIATION means PSR-A3 Dsp effect.

MULTI PART

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
08 nn 07	1	00 - 05	PART MODE	00: NORMAL 01: Preset Drum Setup 02: Drum Setup 1 03: Drum Setup 2	00 (except 10Ch)/02 (10Ch)
nn 11	1	00 - 7F	DRY LEVEL	0 - 127	7F
nn 41	1	00 - 7F	SCALE TUNING C	-64 - +63[cent]	40
nn 42	1	00 - 7F	SCALE TUNING C#	-64 - +63[cent]	40
nn 43	1	00 - 7F	SCALE TUNING D	-64 - +63[cent]	40
nn 44	1	00 - 7F	SCALE TUNING D#	-64 - +63[cent]	40
nn 45	1	00 - 7F	SCALE TUNING E	-64 - +63[cent]	40
nn 46	1	00 - 7F	SCALE TUNING F	-64 - +63[cent]	40
nn 47	1	00 - 7F	SCALE TUNING F#	-64 - +63[cent]	40
nn 48	1	00 - 7F	SCALE TUNING G	-64 - +63[cent]	40
nn 49	1	00 - 7F	SCALE TUNING G#	-64 - +63[cent]	40
nn 4A	1	00 - 7F	SCALE TUNING A	-64 - +63[cent]	40
nn 4B	1	00 - 7F	SCALE TUNING A#	-64 - +63[cent]	40
nn 4C	1	00 - 7F	SCALE TUNING B	-64 - +63[cent]	40

* nn: MIDI Channel(00-0F)

DRUM SETUP

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
3n rr 00	1	00 - 7F	PITCH COARSE	-64 - +63[semitone]	40
3n rr 01	1	00 - 7F	PITCH FINE	-64 - +63[cent]	40
3n rr 02	1	00 - 7F	LEVEL	0 - 127	Depends on note
3n rr 04	1	00 - 7F	PAN	1(Left)-64(Center)-127(Right)	Depends on note
3n rr 05	1	00 - 7F	REVERB SEND	0 - 127	Depends on note
3n rr 06	1	00 - 7F	CHORUS SEND	0 - 127	7F
3n rr 07	1	00 - 7F	VARIATION SEND	0 - 127	7F
3n rr 0B	1	00 - 7F	FILTER CUTOFF FREQUENCY	-64 - 63	40
3n rr 0C	1	00 - 7F	FILTER RESONANCE	-64 - 63	40
3n rr 0D	1	00 - 7F	EG ATTACK	-64 - 63	40
3n rr 0E	1	00 - 7F	EG DECAY1	-64 - 63	40

* n:Drum setup number (0H or 1H)
rr:note number(18H to 54H)

<Table-2> Effect map

The following types in the boxes can be controlled by the PSR-A3 settings. The numbers in the brackets are PSR-A3 panel effect numbers.
The blank indicates the content is the same as that of 00H.

REVERB TYPE

LSB / MSB	00H	01H	02H	08H	09H	0AH	0BH	0CH
00H	NO EFFECT							
01H	[1]HALL1	HALL5		[2]HALL2	[3]HALL3	[4]HALL4		
02H	ROOM5	ROOM6	ROOM7	[5]ROOM1	[6]ROOM2	[7]ROOM3	[8]ROOM4	
03H	STAGE3	STAGE4		[9]STAGE1	[10]STAGE2			
04H	PLATE3			[11]PLATE1	[12]PLATE2			
05H	NO EFFECT							
:	:							
7FH	NO EFFECT							

CHORUS TYPE

LSB / MSB	00H	01H	02H	08H	09H	0AH	0BH	0CH
00H	NO EFFECT							
01H	NO EFFECT							
:	:							
40H	NO EFFECT							
41H	CHORUS6	CHORUS7	[5]CHORUS5					
42H	CELESTE1	[4]CHORUS4	CELESTE2	[2]CHORUS2	[3]CHORUS3	[1]CHORUS1		
43H	FLANGER 5	[9]FLANGER4		[6]FLANGER1	[7]FLANGER2	[8]FLANGER3		
44H	NO EFFECT							
:	:							
7FH	NO EFFECT							

VARIATION TYPE

LSB / MSB	00H	01H	02H	08H	09H	0AH	0BH	0CH
00H	NO EFFECT							
01H	[1]HALL1	HALL2		[2]HALL2	[3]HALL3	[4]HALL4		
02H	ROOM5	ROOM6	ROOM7	[5]ROOM1	[6]ROOM2	[7]ROOM3	[8]ROOM4	
03H	STAGE3	STAGE4		[9]STAGE1	[10]STAGE2			
04H	PLATE3			[11]PLATE1	[12]PLATE2			
05H	DELAY L,C,R2			[38]DELAY LCR				
06H	[39]DELAY L,R							
07H	[40]ECHO							
08H	[41]CROSS DELAY							
09H	[13]EARLY REF1	[14]EARLY REF2						
0AH	[15]GATE REVERB							
0BH	[16]REVERSE GATE							
0CH	NO EFFECT or THRU*							
:	:							
3FH	NO EFFECT or THRU*							
40	THRU							
41	CHORUS6	CHORUS7	[21]CHORUS5					
42	CELESTE1	[20]CHORUS4	CELESTE2	[18]CHORUS2	[19]CHORUS3	[17]CHORUS1	[32]ROTARY SP5	
43	FLANGER 5	[25]FLANGER4		[22]FLANGER1	[23]FLANGER2	[24]FLANGER3		
44	SYMPHONIC2			[26]SYMPHONIC				
45	ROTARY SP6			[28]ROTARY SP1				
46	TREMOLO3			[33]TREMOLO1		[31]ROTARY SP4		
47	AUTO PAN2			[36]AUTO PAN	[29]ROTARY SP2	[30]ROTARY SP3	[34]TREMOLO2	[35]GTR TREMOLO
48	[27]PHASER							
49	DISTORTION							
4A	OVER DRIVE							
4B	AMP SIMULATOR			[42]DIST.HARD	[43]DIST.SOFT			
4C	3-BAND EQ			[44]EQ DISCO	[45]EQ TEL			
4D	2-BAND EQ							
4E	AUTO WAH2			[37]AUTO WAH				
4F	THRU							
:	:							
7F	THRU							

*No effect or Thru is determined by either Variation connection is system or insertion.

<Table-3> Effect Parameter List

Only the following parameter numbers are effective.
Parameter values consists of 2-bytes. Enter 00H for MSB and appropriate value for LSB.
* Parameter number 10 Dry/Wet is effective only when Variation connection is insertion.

TYPE MSB(H)	Type	Parameter Number	Parameter	Value	Description
01	HALL	1	Reverb Time	0-69	0.3~30.0s
02	ROOM	2	Diffusion	0-10	
03	STAGE	3	Initial Delay	0-63	0.0~99.3ms
04	PLATE	4	HPF Cutoff	0-52	Thru~8.0kHz
		5	LPF Cutoff	34-60	1.0k~Thru
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Rev Delay	0-63	0.0~100.0ms
		12	Density	0-4	
		13	Rev/Er Balance	1-127	R<E63 ~ R=E ~ R63>E
		15	Feedback Level	1-127	-63~+63
05	DELAY L,C,R	1	Lch Delay	1-7200	0.1~720.0ms
		2	Rch Delay	1-7200	0.1~720.0ms
		3	Cch Delay	1-7200	0.1~720.0ms
		4	Feedback Delay	1-7200	0.1~720.0ms
		5	Feedback Level	1-127	-63~+63
		6	Cch Level	0-127	
		7	High Damp	1-10	0.1~1.0
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		13	EQ Low Frequency	8-40	50Hz~2.0kHz
		14	EQ Low Gain	52-76	-12~+12dB
		15	EQ High Frequency	28-58	500Hz~16.0kHz
		16	EQ High Gain	52-76	-12~+12dB
06	DELAY L,R	1	Lch Delay	1-7200	0.1~720.0ms
		2	Rch Delay	1-7200	0.1~720.0ms
		3	Feedback Delay 1	1-7200	0.1~720.0ms
		4	Feedback Delay 2	1-7200	0.1~720.0ms
		5	Feedback Level	1-127	-63~+63
		6	High Damp	1-10	0.1~1.0
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		13	EQ Low Frequency	8-40	50Hz~2.0kHz
		14	EQ Low Gain	52-76	-12~+12dB
		15	EQ High Frequency	28-58	500Hz~16.0kHz
		16	EQ High Gain	52-76	-12~+12dB
07	ECHO	1	Lch Delay1	1-3600	0.1~360.0ms
		2	Lch Feedback Level	1-127	-63~+63
		3	Rch Delay1	1-3600	0.1~360.0ms
		4	Rch Feedback Level	1-127	-63~+63
		5	High Damp	1-10	0.1~1.0
		6	Lch Delay2	1-3600	0.1~360.0ms
		7	Rch Delay2	1-3600	0.1~360.0ms
		8	Delay2 Level	0-127	
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		13	EQ Low Frequency	8-40	50Hz~2.0kHz
		14	EQ Low Gain	52-76	-12~+12dB
		15	EQ High Frequency	28-58	500Hz~16.0kHz
		16	EQ High Gain	52-76	-12~+12dB
08	CROSS DELAY	1	L->R Delay	1-3600	0.1~360.0ms
		2	R->L Delay	1-3600	0.1~360.0ms
		3	Feedback Level	1-127	-63~+63
		4	Input Select	0-2	L,R,L&R(L,R is mono mix)
		5	High Damp	1-10	0.1~1.0
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		13	EQ Low Frequency	8-40	50Hz~2.0kHz
		14	EQ Low Gain	52-76	-12~+12dB
		15	EQ High Frequency	28-58	500Hz~16.0kHz
		16	EQ High Gain	52-76	-12~+12dB

TYPE MSB(H)	Type	Parameter Number	Parameter	Value	Description
09	EARLY REF	1	Type	0-5	S-H, L-H, Rdm, Rvs, Plt, Spr
		2	Room Size	0-127	
		3	Diffusion	0-10	0~10
		4	Initial Delay	0-127	0.0~200.0ms
		5	Feedback Level	1-127	-63~+63
		6	HPF Cutoff	0-52	Thru~8.0kHz
		7	LPF Cutoff	34-60	1.0k~Thru
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Liveness	0-10	
		12	Density	0-3	
		13	High Damp	1-10	0.1~1.0
0A	GATE REVERB	1	Type	0-1	TypeA, TypeB
0B	REVERSE GATE	2	Room Size	0-127	
		3	Diffusion	0-10	
		4	Initial Delay	0-127	0.0~200.0ms
		5	Feedback Level	1-127	-63~+63
		6	HPF Cutoff	0-52	Thru~8.0kHz
		7	LPF Cutoff	34-60	1.0k~Thru
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Liveness	0-10	
		12	Density	0-3	
		13	High Damp	1-10	0.1~1.0
41	CHORUS	1	LFO Frequency	0-127	0.00~39.7Hz
42	CELESTE	2	LFO PM Depth	0-127	
		3	Feedback Level	1-127	-63~+63
		4	Delay Offset	0-127	0.0~50.0ms
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		15	Input Mode	0-1	mono/stereo
43	FLANGER	1	LFO Frequency	0-127	0.00~39.7Hz
		2	LFO Depth	0-127	
		3	Feedback Level	1-127	-63~+63
		4	Delay Offset	0-127	0.0~50.0ms
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		14	LFO Phase Difference	4-124	-180°~+180° (resolution 3°)
		15	Input Mode	0-1	mono/stereo
44	SYMPHONIC	1	LFO Frequency	0-127	0.00~39.7Hz
		2	LFO Depth	0-127	
		3	Delay Offset	0-127	0.0~50.0ms
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
45	ROTARY	1	LFO Frequency	0-127	0.00~39.7Hz
	SPEAKER	2	LFO Depth	0-127	
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63

TYPE MSB(H)	Type	Parameter Number	Parameter	Value	Description
46	TREMOLO	1	LFO Frequency	0-127	0.00~39.7Hz
		2	AM Depth	0-127	
		3	PM Depth	0-127	
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		14	LFO Phase Difference	4-124	-180°~+180° (resolution 3°)
		15	Input Mode	0-1	mono/stereo
47	AUTO PAN	1	LFO Frequency	0-127	0.00~39.7Hz
		2	L/R Depth	0-127	
		3	F/R Depth	0-127	
		4	PAN Direction	0-5	L<->R, L->R, L<-R, Lturn, Rturn, L/R
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
48	PHASER	1	LFO Frequency	0-127	0.00~39.7Hz
		2	LFO Depth	0-127	
		3	Phase Shift Offset	0-127	
		4	Feedback Level	1-127	-63~+63
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Stage	6-10	
49 4A	DISTORTION OVERDRIVE	1	Drive	0-127	
		2	EQ Low Frequency	8-40	50Hz~2.0kHz
		3	EQ Low Gain	52-76	-12~+12dB
		4	LPF Cutoff	34-60	1.0k~Thru
		5	Output Level	0-127	
		7	EQ Mid Frequency	28-54	500Hz~10.0kHz
		8	EQ Mid Gain	52-76	-12~+12dB
		9	EQ Mid Width	10-120	1.0~12.0
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Edge(Clip Curve)	0-127	0:Mild ~ 127:Sharp
4B	AMP SIMULATOR	1	Drive	0-127	
		2	AMP Type	0-3	Off,Stack,Combo,Tube
		3	LPF Cutoff	34-60	1.0k~Thru
		4	Output Level	0-127	
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63
		11	Edge(Clip Curve)	0-127	0:Mild ~ 127:Sharp
4C	3-BAND EQ	1	EQ Low Gain	52-76	-12~+12dB
		2	EQ Mid Frequency	28-54	500Hz~10.0kHz
		3	EQ Mid Gain	52-76	-12~+12dB
		4	EQ Mid Width	10-120	1.0~12.0
		5	EQ High Gain	52-76	-12~+12dB
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ High Frequency	28-58	500Hz~16.0kHz
4D	2-BAND EQ	1	EQ Low Frequency	8-40	50Hz~2.0kHz
		2	EQ Low Gain	52-76	-12~+12dB
		3	EQ High Frequency	28-58	500Hz~16.0kHz
		4	EQ High Gain	52-76	-12~+12dB
4E	AUTO WAH	1	LFO Frequency	0-127	0.00~39.7Hz
		2	LFO Depth	0-127	
		3	Cutoff Frequency Offset	0-127	50Hz~14.0kHz
		4	Resonance	10-120	1.0~12.0
		6	EQ Low Frequency	8-40	50Hz~2.0kHz
		7	EQ Low Gain	52-76	-12~+12dB
		8	EQ High Frequency	28-58	500Hz~16.0kHz
		9	EQ High Gain	52-76	-12~+12dB
		10*	Dry/Wet	1-127	D63>W ~ D=W ~ D<W63

■ GM System Level 1

The existing MIDI protocol allows performance and other data to be transferred between different instruments, even if they are from different manufacturers. This means, for example, that sequence data that was originally created to control a tone generator from manufacturer A can also be used to control a different tone generator from manufacturer B. Since the voice allocation in different devices from different manufacturers is usually different, however, appropriate program change data must be transmitted to select the right voices.

The General MIDI protocol was developed to minimize confusion and the need for re-programming when playing software created by one MIDI device on another. This has been achieved by defining a standard voice allocation in which the same or similar voices are accessed by the same program change numbers or MIDI channels. The current standard recognized by the International MIDI Association is known as "GM System Level 1." The PSR-A3 voice allocation complies with the GM System Level 1 standard.

■ نظام GM المستوى ١

إن الإتفاقية الدولية الحالية لنظام MIDI تسمح بنقل الأداء والبيانات الأخرى بين الأجهزة المختلفة، حتى إذا كانت من صُنّاع مختلفين. هذا يعني، مثلاً، أن بيانات التسلسل التي تم تخليقها أصلاً للتحكم في مولد نغمات من الصانع أ يمكن أيضاً إستخدامها للتحكم في مولد نغمات مختلف من الصانع ب. حيث أن توزيع الأصوات من الصُنّاع المختلفين يكون عادة مختلف، فإنه يجب نقل برنامج مناسب لتغيير البيانات لإختيار الأصوات الصحيحة.

الإتفاقية الدولية العامة لنظام MIDI قد تم تطويرها لتقليل الإرتباك والحاجة لإعادة البرمجة عند تشغيل برامج تم تخليقها بواسطة جهاز MIDI على جهاز آخر. لقد تم التوصل إلى ذلك بواسطة تعريف توزيع قياسي للأصوات والذي فيه يتم الوصول إلى نفس الأصوات أو أصوات مشابهة بواسطة نفس البرنامج لتغيير الأرقام أو قنوات MIDI . المواصفات القياسية الحالية المعترف بها بواسطة جمعية MIDI الدولية معروفة بالإسم "نظام GM المستوى ١" "GM System Level 1". توزيع الأصوات للجهاز PSR-A3 يتوافق مع المواصفات القياسية - نظام GM المستوى ١.

قائمة الطرازات الشرقية

الرقم	الإسم
١٠١	مقسوم
١٠٢	مقسوم سريع
١٠٣	صعيدي ١
١٠٤	صعيدي ٢
١٠٥	صعيدي ٣
١٠٦	بلدي
١٠٧	ملفوف
١٠٨	عمر خيرت
١٠٩	إبراهيمي
١١٠	مصمودي كبير
١١١	وحدة كبيرة
١١٢	٨/١٠ سماعى
١١٣	٤/٣ دارج
١١٤	٨/٦ سداسي
١١٥	كتاكوفتى
١١٦	أيوب
١١٧	زفة
١١٨	عدني
١١٩	خليجى ١
١٢٠	خليجى ٢
١٢١	بمبي
١٢٢	فلاحي
١٢٣	مغربي
١٢٤	هجع
١٢٥	فالس
١٢٦	فوكس
١٢٧	زكى ناصف
١٢٨	سامبا مصري
١٢٩	رومبا
١٣٠	جواراتشا
١٣١	چرك
١٣٢	شبابي ١
١٣٣	شبابي ٢
١٣٤	تسيفتيتلي
١٣٥	زيمبكيكوس
١٣٦	كالاماتا
١٣٧	سيرتوس
١٣٨	تساميكوس
١٣٩	كرسيلاماس
١٤٠	٨/٥

قائمة الأصوات الشرقية

الرقم	الإسم
١٤٢	قانون
١٤٣	قانون أوكتاف
١٤٤	عود
١٤٥	عود مع تريميلو
١٤٦	ربابة
١٤٧	كمان
١٤٨	وتريات
١٤٩	بوزوكى
١٥٠	بجلاماس
١٥١	سانتوري
١٥٢	بوزوق
١٥٣	مزمار
١٥٤	مجوز
١٥٥	ناي
١٥٦	كولة
١٥٧	أرغول
١٥٨	نحاس عربي
١٥٩	أرغن عربي
١٦٠	أوكرديون عربي

قائمة مجموعة الحشوات المتعددة الشرقية

الرقم	الإسم
٢٢	نقر عربي
٢٣	أشجان ١
٢٤	أشجان ١
٢٥	إنفخها
٢٦	أوتار
٢٧	دُهولّه
٢٨	نهائي
٢٩	أوتار جيتار
٣٠	مزامير
٣١	رقص شرقي
٣٢	رق
٣٣	المسرح & التصفيق
٣٤	رقصني
٣٥	طبل
٣٦	طبلة

الصوت رقم ١٦٩: قائمة المجموعة العربية (المجموعة العربية للوحة)

النغمة#	النغمة	الإسم
٣٦	C1	صوت نقرزان
٣٧	C#1	كباسة
٣٨	D1	حافة نقرزان
٣٩	D#1	صوت هاجر
٤٠	E1	حافة هاجر
٤١	F1	بونجو عالي
٤٢	F#1	بونجو منخفض
٤٣	G1	كونجا عالي صامت
٤٤	G#1	كونجا عالي مفتوح
٤٥	A1	كونجا منخفض
٤٦	A#1	زغرودة عالية
٤٧	B1	زغرودة منخفضة
٤٨	C2	طبلة باس منخفضة
٤٩	C#2	طلقة حفرة مغلقة
٥٠	D2	وتر عالي ناعم
٥١	D#2	تصفيق عربي
٥٢	E2	وتر عالي خشن
٥٣	F2	نقر الأرضية منخفض
٥٤	F#2	هيهات مظلمة مغلقة
٥٥	G2	نقر الأرضية عالي
٥٦	G#2	بدال هيهات مظلم
٥٧	A2	نقر رتيب منخفض
٥٨	A#2	هيهات مظلمة مفتوحة
٥٩	B2	نقر رتيب أوسط عالي
٦٠	C3	نقر رتيب أوسط منخفض
٦١	C#3	إصطدام الصنج ١
٦٢	D3	نقر رتيب عالي
٦٣	D#3	ركوب الصنج ١
٦٤	E3	إصطدام الصنج ٢
٦٥	F3	صوت دُهولة
٦٦	F#3	الرق
٦٧	G3	دُهولة تاك
٦٨	G#3	جرس البقرة
٦٩	A3	دُهولة ساك
٧٠	A#3	موترة المفاتيح
٧١	B3	صوت الدف
٧٢	C4	صوت الكاتم
٧٣	C#4	الكاتم تاك
٧٤	D4	الكاتم ساك
٧٥	D#4	الكاتم تاك
٧٦	E4	الدف تاك
٧٧	F4	صوت الطبلة
٧٨	F#4	الطبلة تاك ١
٧٩	G4	الطبلة تيك
٨٠	G#4	الطبلة تاك ٢
٨١	A4	الطبلة ساك
٨٢	A#4	قرع حافة الطبلة
٨٣	B4	الطبلة فلام
٨٤	C5	صاجات ١
٨٥	C#5	الطبل
٨٦	D5	صاجات ٣
٨٧	D#5	الطبل تاك
٨٨	E5	صاجات ٢
٨٩	F5	صوت الرق
٩٠	F#5	الرق تاك ٢
٩١	G5	الأصابع على الرق ١
٩٢	G#5	الرق تاك ١
٩٣	A5	الأصابع على الرق ٢
٩٤	A#5	إهتزاز نحاس الرق
٩٥	B5	الرق ساك
٩٦	C6	الرق تيك

* الجهاز PSR-A3 به مجموعتين عربيتين (مجموعة عربية للوحة ومجموعة GM عربية). القائمة الموضحة أعلاه هي المجموعة العربية للوحة والتي تعزفها عادةً على لوحة المفاتيح. أنظر صفحة ٩٣ لمعرفة معلومات أكثر حول المجموعة العربية للوحة ومجموعة GM العربية.