YAMAHA

YC

STAGE KEYBOARD

YC88
YC73
YC61

SUPPLEMENTARY MANUAL

Contents

EN

New Functions in YC Version 2.00

The following functions have been added to the YC88/YC73/YC61 due to the firmware version upgrade.
This manual describes additions and changes with respect to the Owner's Manual that came with your instrument.

- A new Chorus type has been added.
- A "Section SW Mode" parameter has been added to the MENU.
- The USB [TO DEVICE] terminal now accepts MIDI devices.
- The Live Set Pages have been expanded.
- New Live Set Sounds have been added.
- New Voices have been added.
- The Data List has been updated.

New Chorus Type

YC88/YC73/YC61 V2.00

Category	Type name	Express	Description	Stereo/Mono
Chorus	GS1 Ensemble	*GS*	A pleasant Chorus Effect that reproduces the Ensemble effect built into the Yamaha GS1, the vintage FM keyboard. Turn the [DEPTH] knob to adjust the depth, and the [RATE] knob to adjust the speed.	Mono

Additional Section SW Mode parameter

[MENU] button → "Control Panel" → "Section SW Mode"

A new mode has been added to the [ON/OFF] switches of each Voice section.
The following two types are available.

Function name		Description
Section SW Mode	Realtime	When each Voice section's [ON/OFF] switch is turned OFF, the sound of the corresponding Voice section stops immediately.
	Next-Key	When each Voice section's [ON/OFF] switch is turned OFF, the note for the key being pressed continues to be played until that key is released. The sound of the corresponding Voice section does not start from the next note.
		Default: Realtime

Additional MIDI functionality for the USB [TO DEVICE] terminal

The USB [TO DEVICE] terminal can now be used for connecting a MIDI device for MIDI input.
When a USB MIDI keyboard is connected to the USB [TO DEVICE] terminal, you can use it in the same way as the built-in keyboard on the YC, as far as the connected keyboard's specifications allow.

NOTICE

- **The rating of the USB [TO DEVICE] terminal is a maximum of 5 V/500 mA for each terminal. Do not connect USB devices having a rating above this, since this can cause damage to the instrument itself.**
- **Use an AB-type USB cable of less than 3 meters.**

Compatible MIDI devices

- USB class-compliant MIDI devices
  USB MIDI keyboards
- Compatible Yamaha MIDI devices
  CP1, CP4 STAGE, CP40 STAGE, CP88, CP73, MODX, MODX+, MONTAGE, MOTIF XF, MOXF, MX, reface, YC, MONTAGE M, CK

Special notes concerning MIDI communication

MIDI communication with a device connected via the USB [TO DEVICE] terminal follows special rules for allowing the device to behave like a built-in keyboard.

- MIDI communication is one-way only (sent from the external MIDI device and received by the YC).
- All MIDI data is received regardless of the MIDI Port and MIDI Channel settings.

Using the instrument in combination with the External Keyboard function

You can determine which sections or parts to play on the built-in keyboard and which on a connected USB MIDI keyboard by using "External Keyboard," when you connect the external keyboard to the MIDI [IN] terminal. For example, when you set "Organ" to "2ManualUp," you can play the UPPER part via the connected USB MIDI keyboard, and also play the LOWER part via the keyboard on this instrument.

Expansion of Live Set Pages

The Live Set Pages have been expanded from 20 pages to 40 pages.
When the Top screen is shown, you can change 10 Live Set Pages at a time by pressing the PAGE [−] or PAGE [+] button while holding down the [EXIT] button.

NOTE

Only up to 20 Live Set Pages can be loaded into an instrument that has an older firmware version, even if the Live Set Pages are created with version 2.0.

New Live Set Sounds

New Live Set Sounds using the new effect type have been added.
Several Live Set Sounds have been revised.
Color-highlighted parts ( ) are those that have been added or changed from previous versions.

Live Set Sound List V2.00

YC61

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Drawbar Soul	C3	Organ	H4	63	0	1
				Key A	-			
				Key B	-			
1	2	Rock Organ	G2	Organ	H2	63	0	2
				Key A	-			
				Key B	-			
1	3	78Rd Smooth EP	G2	Organ	-	63	0	3
				Key A	78Rd			
				Key B	-			
1	4	Live Reed	G2	Organ	-	63	0	4
				Key A	Wr Wide			
				Key B	-			
1	5	CFX Grand	G2	Organ	-	63	0	5
				Key A	CFX			
				Key B	-			
1	6	U1Upright-Felt	G2	Organ	-	63	0	6
				Key A	U1			
				Key B	Felt Piano			
1	7	FM Brass-DX EP	G2	Organ	-	63	0	7
				Key A	FM Brass			
				Key B	FM DX EP			
1	8	Super DX EP	G2	Organ	-	63	0	8
				Key A	FM DX EP			
				Key B	FM Pf's Heart			
2	1	70sTines-CF3-Or	G2	Organ	H4	63	1	1
				Key A	74Rd Stage			
				Key B	Live CF3			
2	2	Gospel Trio	G2	Organ	H4	63	1	2
				Key A	Live CF3			
				Key B	DX E.Piano 1			
2	3	Vintage 60-70s	G2	Organ	-	63	1	3
				Key A	67Rd Dark			
				Key B	74Rd Stage			
2	4	Retro Keys	G2	Organ	-	63	1	4
				Key A	Wr Wide			
				Key B	-			
2	5	CFX2 Grand	G2	Organ	-	63	1	5
				Key A	CFX2			
				Key B	-			
2	6	Hamburg-AnaPad	G2	Organ	-	63	1	6
				Key A	Hamburg Grand			
				Key B	Analog Pad			
2	7	C7-Analog Pad	G2	Organ	-	63	1	7
				Key A	C7			
				Key B	Analog Pad			
2	8	FM EP-Pno Synth	G2	Organ	-	63	1	8
				Key A	FM Piano DA			
				Key B	Piano Synth			
3	1	FM Church Organ	G2	Organ	-	63	2	1
				Key A	FM Warm Pad			
				Key B	FM Warm Pad			
3	2	Light Organ	G2	Organ	F2	63	2	2
				Key A	78Rd			
				Key B	-			
3	3	SuperClav>WahPe	G2	Organ	-	63	2	3
				Key A	Clavi B			
				Key B	FM PowerClavi			
3	4	CP80-BrightCFX	G2	Organ	-	63	2	4
				Key A	CP80 Stage			
				Key B	CFX			
3	5	Tape Flutes	G2	Organ	-	63	2	5
				Key A	Tape Flute			
				Key B	Tape Strings			
3	6	Village Strings	G2	Organ	-	63	2	6
				Key A	Marcato Str			
				Key B	Analog Pad			
3	7	80s Power Synth	G2	Organ	-	63	2	7
				Key A	OB Brass 1			
				Key B	Synth Brass 2			
3	8	70sFusionBrass	G2	Organ	-	63	2	8
				Key A	Synth Brass 2			
				Key B	FM Brass			

YC73

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	78Rd Smooth EP	G2	Organ	-	63	0	1
				Key A	78Rd			
				Key B	-			
1	2	Live Reed	G2	Organ	-	63	0	2
				Key A	Wr Wide			
				Key B	-			
1	3	Drawbar Soul	C3	Organ	H4	63	0	3
				Key A	-			
				Key B	-			
1	4	Rock Organ	G2	Organ	H2	63	0	4
				Key A	-			
				Key B	-			
1	5	CFX Grand	G2	Organ	-	63	0	5
				Key A	CFX			
				Key B	-			
1	6	U1Upright-Felt	G2	Organ	-	63	0	6
				Key A	U1			
				Key B	Felt Piano			
1	7	FM Brass-DX EP	G2	Organ	-	63	0	7
				Key A	FM Brass			
				Key B	FM DX EP			
1	8	Super DX EP	G2	Organ	-	63	0	8
				Key A	FM DX EP			
				Key B	FM Pf's Heart			
2	1	Vintage 60-70s	G2	Organ	-	63	1	1
				Key A	67Rd Dark			
				Key B	74Rd Stage			
2	2	Retro Keys	G2	Organ	-	63	1	2
				Key A	Wr Wide			
				Key B	-			
2	3	70sTines-CF3-Or	G2	Organ	H4	63	1	3
				Key A	74Rd Stage			
				Key B	Live CF3			
2	4	Gospel Trio	G2	Organ	H4	63	1	4
				Key A	Live CF3			
				Key B	DX E.Piano 1			
2	5	CFX2 Grand	G2	Organ	-	63	1	5
				Key A	CFX2			
				Key B	-			
2	6	Hamburg-AnaPad	G2	Organ	-	63	1	6
				Key A	Hamburg Grand			
				Key B	Analog Pad			

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
2	7	C7-Analog Pad	G2	Organ	-	63	1	7
				Key A	C7			
				Key B	Analog Pad			
2	8	FM EP-Pno Synth	G2	Organ	-	63	1	8
				Key A	FM Piano DA			
				Key B	Piano Synth			
3	1	SuperClav>WahPe	G2	Organ	-	63	2	1
				Key A	Clavi B			
				Key B	FM PowerClavi			
3	2	CP80-BrightCFX	G2	Organ	-	63	2	2
				Key A	CP80 Stage			
				Key B	CFX			
3	3	FM Church Organ	G2	Organ	-	63	2	3
				Key A	FM Warm Pad			
				Key B	FM Warm Pad			
3	4	Light Organ	G2	Organ	F2	63	2	4
				Key A	78Rd			
				Key B	-			
3	5	Tape Flutes	G2	Organ	-	63	2	5
				Key A	Tape Flute			
				Key B	Tape Strings			
3	6	Village Strings	G2	Organ	-	63	2	6
				Key A	Marcato Str			
				Key B	Analog Pad			
3	7	80s Power Synth	G2	Organ	-	63	2	7
				Key A	OB Brass 1			
				Key B	Synth Brass 2			
3	8	70sFusionBrass	G2	Organ	-	63	2	8
				Key A	Synth Brass 2			
				Key B	FM Brass			

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
2	5	Vintage 60-70s	G2	Organ	-	63	1	5
				Key A	67Rd Dark			
				Key B	74Rd Stage			
2	6	Retro Keys	G2	Organ	-	63	1	6
				Key A	Wr Wide			
				Key B	-			
2	7	70sTines-CF3-Or	G2	Organ	H4	63	1	7
				Key A	74Rd Stage			
				Key B	Live CF3			
2	8	Gospel Trio	G2	Organ	H4	63	1	8
				Key A	Live CF3			
				Key B	DX E.Piano 1			
3	1	CP80-BrightCFX	G2	Organ	-	63	2	1
				Key A	CP80 Stage			
				Key B	CFX			
3	2	SuperClav>WahPe	G2	Organ	-	63	2	2
				Key A	Clavi B			
				Key B	FM PowerClavi			
3	3	FM Church Organ	G2	Organ	-	63	2	3
				Key A	FM Warm Pad			
				Key B	FM Warm Pad			
3	4	Light Organ	G2	Organ	F2	63	2	4
				Key A	78Rd			
				Key B	-			
3	5	Tape Flutes	G2	Organ	-	63	2	5
				Key A	Tape Flute			
				Key B	Tape Strings			
3	6	Village Strings	G2	Organ	-	63	2	6
				Key A	Marcato Str			
				Key B	Analog Pad			
3	7	80s Power Synth	G2	Organ	-	63	2	7
				Key A	OB Brass 1			
				Key B	Synth Brass 2			
3	8	70sFusionBrass	G2	Organ	-	63	2	8
				Key A	Synth Brass 2			
				Key B	FM Brass			

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Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	CFX Grand	G2	Organ	-	63	0	1
				Key A	CFX			
				Key B	-			
1	2	U1Upright-Felt	G2	Organ	-	63	0	2
				Key A	U1			
				Key B	Felt Piano			
1	3	78Rd Smooth EP	G2	Organ	-	63	0	3
				Key A	78Rd			
				Key B	-			
1	4	Live Reed	G2	Organ	-	63	0	4
				Key A	Wr Wide			
				Key B	-			
1	5	Drawbar Soul	C3	Organ	H4	63	0	5
				Key A	-			
				Key B	-			
1	6	Rock Organ	G2	Organ	H2	63	0	6
				Key A	-			
				Key B	-			
1	7	FM Brass-DX EP	G2	Organ	-	63	0	7
				Key A	FM Brass			
				Key B	FM DX EP			
1	8	Super DX EP	G2	Organ	-	63	0	8
				Key A	FM DX EP			
				Key B	FM Pf's Heart			
2	1	CFX2 Grand	G2	Organ	-	63	1	1
				Key A	CFX2			
				Key B	-			
2	2	Hamburg-AnaPad	G2	Organ	-	63	1	2
				Key A	Hamburg Grand			
				Key B	Analog Pad			
2	3	C7-Analog Pad	G2	Organ	-	63	1	3
				Key A	C7			
				Key B	Analog Pad			
2	4	FM EP-Pno Synth	G2	Organ	-	63	1	4
				Key A	FM Piano DA			
				Key B	Piano Synth			

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Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
19	1	CFX2	G2	Organ	-	63	18	1
				Key A	CFX2			
				Key B	-			
19	2	CFX2/EP	G2	Organ	-	63	18	2
				Key A	CFX2			
				Key B	78Rd			
19	3	CFX2 Cinema	G2	Organ	-	63	18	3
				Key A	CFX2			
				Key B	Slow Strings			
19	4	GS E.Piano	G2	Organ	-	63	18	4
				Key A	GS E.Piano M			
				Key B	-			
19	5	GS Church	G2	Organ	H4	63	18	5
				Key A	GS PipeOrgan			
				Key B	GS PipeOrgan			
19	6	GS Spit Brass	G2	Organ	-	63	18	6
				Key A	GS Brass			
				Key B	GS Brass			
19	7	Double Pad	G2	Organ	-	63	18	7
				Key A	FM Saw Pad			
				Key B	Analog Pad			
19	8	Wet Sweep	G2	Organ	-	63	18	8
				Key A	Mystic Pad			
				Key B	FM FrnchTines			

New Voice

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Section	Category	Sub Category	No.	Name	Parameter Value (*)
Keys A/B	Piano	Grand	7	CFX2	192
	Synth	VintageFM	91	GS A.Piano	193
			92	GS E.Piano M	194
			93	GS E.Piano W	195
			94	GS Harpsi	196
			95	GS Brass	197
			96	GS Vibe	198
			97	GS Celeste	199
			98	GS PipeOrgan	200

Data List update

The Data List has been updated.

MIDI Data Format

(4) SYSTEM OVERVIEW (Keyboard and Tone Generator)
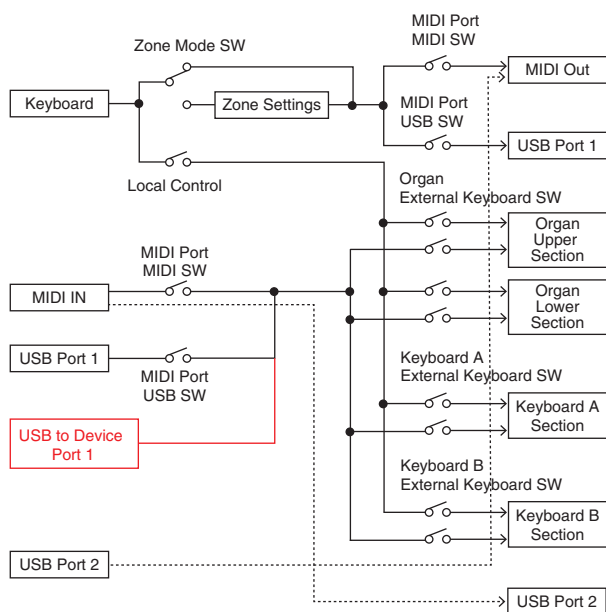
USB Port 2 is enabled when 'MIDI Port MIDI SW = OFF'
and 'MIDI Port USB SW = ON'

ALL SOUND OFF clears all the sounds in the specific channel(s) played by both the keyboard and the data via MIDI.
ALL NOTES OFF received via MIDI clears the sounds in the specific channel(s) played via MIDI.
USB to Device Port 1 is only for receiving data, not for transmitting.

MIDI Data Table (YC61)

Color-highlighted parts (�) are those that have been added or changed from previous versions.

Bank Select

MSB		LSB		Program No.	Type	Memory	Description
DEC	HEX	DEC	HEX				
63	3F	0	00	0 – 7	Live Set Sound	User	Live Set Page 1
		1	01	0 – 7		User	Live Set Page 2
		2	02	0 – 7		User	Live Set Page 3
		3	03	0 – 7		User	Live Set Page 4
		4	04	0 – 7		User	Live Set Page 5
		5	05	0 – 7		User	Live Set Page 6
		6	06	0 – 7		User	Live Set Page 7
		7	07	0 – 7		User	Live Set Page 8
		8	08	0 – 7		User	Live Set Page 9
		9	09	0 – 7		User	Live Set Page 10
		10	0A	0 – 7		User	Live Set Page 11
		11	0B	0 – 7		User	Live Set Page 12
		12	0C	0 – 7		User	Live Set Page 13
		13	0D	0 – 7		User	Live Set Page 14
		14	0E	0 – 7		User	Live Set Page 15
		15	0F	0 – 7		User	Live Set Page 16
		16	10	0 – 7		User	Live Set Page 17
		17	11	0 – 7		User	Live Set Page 18
		18	12	0 – 7		User	Live Set Page 19
		19	13	0 – 7		User	Live Set Page 20
		20	14	0 – 7		User	Live Set Page 21
		21	15	0 – 7		User	Live Set Page 22
		22	16	0 – 7		User	Live Set Page 23
		23	17	0 – 7		User	Live Set Page 24
		24	18	0 – 7		User	Live Set Page 25
		25	19	0 – 7		User	Live Set Page 26
		26	1A	0 – 7		User	Live Set Page 27
		27	1B	0 – 7		User	Live Set Page 28
		28	1C	0 – 7		User	Live Set Page 29
		29	1D	0 – 7		User	Live Set Page 30
		30	1E	0 – 7		User	Live Set Page 31
		31	1F	0 – 7		User	Live Set Page 32
		32	20	0 – 7		User	Live Set Page 33
		33	21	0 – 7		User	Live Set Page 34
		34	22	0 – 7		User	Live Set Page 35
		35	23	0 – 7		User	Live Set Page 36
		36	24	0 – 7		User	Live Set Page 37
		37	25	0 – 7		User	Live Set Page 38
		38	26	0 – 7		User	Live Set Page 39
		39	27	0 – 7		User	Live Set Page 40

Parameter Base Address

Group Number = 7F 1C, Model ID = 09

Parameter Block		Top Address			Description
		High	Mid	Low	
System		20	00	00	System
		20	40	00	Master EQ
		00	7F	00	Soundmondo Format Version
BULK CONTROL		0E	00	00	Header
		0F	00	00	Footer
STORE TO FLASH		0D	00	00	Store To Flash
Live Set Sound		46	00	00	Common
Zone		4A	zz	00	Zone (zz: 00 – 03)
Organ Section		50	00	00	Common
		50	1p	00	Part (p: 0 – 1 (0: UPPER, 1: LOWER))
Keys Sections		60	0s	00	Section (s: 0 – 1 (0: A, 1: B))

Bulk Dump Block

"Top Address" indicates the top address of each block designated by the bulk dump operation. "Byte Count" indicates the data size contained in each block designated by the bulk dump operation.
The block from the Bulk Header to the Bulk Footer of the Live Set Sound can be received regardless of their order; however, they cannot be received if an irrelevant Block is included. To execute 1 Live Set Sound bulk dump request, designate its corresponding Bulk Header address.
For information about "pp" and "n" shown in the following list, refer to the MIDI PARAMETER CHANGE TABLE (BULK CONTROL).

Group Number = 7F 1C, Model ID = 09

Parameter Block		Description	Byte Count		Top Address		
			DEC	HEX	High	Mid	Low
System		System	49	31	20	00	00
		Master EQ	20	14	20	40	00
Live Set Sound		Bulk Header	0	00	0E	pp	0n
		Soundmondo Format Version	4	04	00	7F	00
	Master EQ		20	14	20	40	00
	Common		1	01	46	00	00
	Zone	Zone 1	16	10	4A	00	00
		:				:	
		Zone 4				03	
	Organ Section	Organ Section Common	36	24	50	00	00
		Organ Section Part Upper	20	14	50	10	
		Organ Section Part Lower	20	14	50	11	
	Keys Sections	Key A Section	58	3A	60	00	00
		Key B Section	58	3A		01	
		Bulk Footer	0	00	0F	pp	0n

Message Type	Data
Parameter Change	F0, 43, 1n, gh, gl, id, ah, am, al, dt, … F7
Parameter Request	F0, 43, 3n, gh, gl, id, ah, am, al F7
Bulk Dump	F0, 43, 0n, gh, gl, bh, bl, id, ah, am, al, dt, …, cc, F7
Bulk Request	F0, 43, 2n, gh, gl, id, ah, am, al, F7

n: Device Number
gh: Group Number High
gl: Group Number Low
bh: Byte Count High
bl: Byte Count Low
id: Model ID
ah: Parameter Address High
am: Parameter Address Middle
al: Parameter Address Low
dt: Data
cc: Data Checksum

MIDI PARAMETER CHANGE TABLE (BULK CONTROL)

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
0E	pp	0n	1	-	Bulk Header	Live Set Sound User (pp = 0 – 39, n = 0 – 7)	-	
	7F	00	1	-		Current Sound Buffer	-	
0F	pp	0n	1	-	Bulk Footer	Live Set Sound User (pp = 0 – 39, n = 0 – 7)	-	
	7F	00	1	-		Current Sound Buffer	-	

SYSTEM

System Common

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
20	00	00	1		reserved			
		01	1		reserved			
		02	4	00 – 00 00 – 07 00 – 0F 00 – 0F	Master Tune	414.72 – 466.78 [Hz] 1st bit3-0: bit15-12 2nd bit3-0: bit11-8 3rd bit3-0: bit 7-4 4th bit3-0: bit 3-0	00 04 00 00	
		06	1	3D – 43	Keyboard Octave Shift	-3 – 0 – +3	40	
		07	1	34 – 4C	Keyboard Transpose	-12 – +12 [semitones]	40	
		08	1	00 – 01	Controller Reset	Hold, Reset	01	
		09	1	00 – 01	Local Control	Off, On	01	
		0A	1	00 – 0F, 7F	Tx Channel	1 – 16, Off	00	
		0B	1	00 – 10	Rx Channel	1 – 16, All	00	
		0C	1	00 – 03	MIDI Control	Off, On, Invert	00	
		0D	1	00 – 01	Section SW Mode	Realtime, Next-Key	00	
		0E	1	38 – 48	Output Gain	-24 – 0 – +24 [dB]	40	In 3 dB increments
		0F	1		reserved			
		10	1	00 – 04	Keyboard Touch Curve	Normal, Soft, Hard, Wide, Fixed	00	
		11	1	01 – 7F	Keyboard Fixed Velocity	1 – 127	40	
		12	1	00 – 01	Transmit/Receive Bank Select	Off, On	01	
		13	1	00 – 01	Transmit/Receive Program Change	Off, On	01	
		14	1		reserved			
		15	1	00 – 01	MIDI In/Out	Off, On	01	
		16	1	00 – 01	USB In/Out	Off, On	01	
		17	1		reserved			
		18	1		reserved			
		19	1	00 – 01	Display Lights Section	Off, On	01	
		1A	1	00 – 01	Display Lights Ins Effect	Off, On	01	
		1B	1	00 – 01	Display Lights LCD	Off, On	01	
		1C	1		reserved			
		1D	1		reserved			
		1E	1	00 – 01	Value Indication	Off, On	01	
		1F	1	00 – 01	Drawbar Mode	Jump, Catch	00	
		20	1	00 – 01	SW Direction	Default, Reverse	00	
		21	1		reserved			
		22	1	00 – 3F	LCD Contrast	1 – 63	20	
		23	1	00 – 01	Panel Lock Live Set	Off, On	01	
		24	1	00 – 01	Panel Lock Organ/ Keys	Off, On	01	
		25	1	00 – 01	Panel Lock Effect/ Sp Amp/Reverb	Off, On	01	
		26	1	00 – 01	Panel Lock Master EQ	Off, On	01	
		27	1	00 – 01	Rotary Speaker Speed	Change, Hold	00	
		28	1	00 – 01	Section Hold	Disable, Enable	00	
		29	1	00 – 01	Live Set View Mode	Close, Keep	00	
		2A	1	00 – 27	Power On Page	1 – 40	00	
		2B	1	00 – 07	Power On Sound	1 – 8	00	
		2C	1	00 – 79	FS Control Number	Off, 1 – 119, 120 (Live Set +), 121 (Live Set -)	78	
		2D	1	00 – 01	EG/Filter Reset	Off, On	01	
		2E	1		reserved			
		2F	1	00 – 7F	USB Audio Volume	0 – 127	40	
		30	1	00 – 02	Sustain Pedal Select	FC3A (Half On), FC3A (Half Off), FC4A/5	00	

TOTAL SIZE = 49   31 (HEX)

System MEQ

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
20	40	00	1	34 – 4C	Low Gain	-12dB – +12dB	40	
		01	1		reserved			
		02	1		reserved			
		03	1		reserved			
		04	1		reserved			
		05	1		reserved			
		06	1		reserved			
		07	1		reserved			
		08	1	34 – 4C	Mid Gain	-12dB – +12dB	40	
		09	1	0E – 36	Mid Frequency	100Hz – 10kHz	1C	
		0A	1		reserved			
		0B	1		reserved			
		0C	1		reserved			
		0D	1		reserved			
		0E	1		reserved			
		0F	1		reserved			
		10	1	34 – 4C	High Gain	-12dB – +12dB	40	
		11	1		reserved			
		12	1		reserved			
		13	1	00 – 01	EQ On/Off	Off, On	01	

TOTAL SIZE = 20   14 (HEX)

Soundmondo Format Version

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
00	7F	00	1	00 – 7F	Soundmondo Format Version Major		01	
			1	00 – 7F	Soundmondo Format Version Minor		01	
			1	00 – 7F	Soundmondo Format Version Bugfix		00	
			1		reserved		00	

TOTAL SIZE = 4   4 (HEX)

LIVE SET SOUND

Common

Group Number = 7F 1C, Model ID = 09

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
46	00	00	1	20 – 7F	Live Set Sound Name 1	32 – 127 (ASCII)	40	'l'
		01	1	20 – 7F	Live Set Sound Name 2	32 – 127 (ASCII)	6E	'n'
		02	1	20 – 7F	Live Set Sound Name 3	32 – 127 (ASCII)	69	'i'
		03	1	20 – 7F	Live Set Sound Name 4	32 – 127 (ASCII)	74	't'
		04	1	20 – 7F	Live Set Sound Name 5	32 – 127 (ASCII)	20	' '
		05	1	20 – 7F	Live Set Sound Name 6	32 – 127 (ASCII)	53	'S'
		06	1	20 – 7F	Live Set Sound Name 7	32 – 127 (ASCII)	6F	'o'
		07	1	20 – 7F	Live Set Sound Name 8	32 – 127 (ASCII)	75	'u'
		08	1	20 – 7F	Live Set Sound Name 9	32 – 127 (ASCII)	6E	'n'
		09	1	20 – 7F	Live Set Sound Name 10	32 – 127 (ASCII)	64	'd'
		0A	1	20 – 7F	Live Set Sound Name 11	32 – 127 (ASCII)	20	
		0B	1	20 – 7F	Live Set Sound Name 12	32 – 127 (ASCII)	20	
		0C	1	20 – 7F	Live Set Sound Name 13	32 – 127 (ASCII)	20	
		0D	1	20 – 7F	Live Set Sound Name 14	32 – 127 (ASCII)	20	
		0E	1	20 – 7F	Live Set Sound Name 15	32 – 127 (ASCII)	20	
		0F	1	02	Bulk Format Version	2	02	
		10	1	00 – 01	Live Set EQ Mode Switch	Off, On	00	
		11	1	00 – 01	Zone Mode Switch	Off, On	00	
		12	1	00 – 01	Advanced Zone Mode Switch	Off, On	00	
		13	2	00 – 12 00 – 60	Tempo	42.0 – 240.0	0704	
		15	1	34 – 4C	Sound Transpose	-12 – +12	40	
		16	1	01 – 7F	Split Point	C#-2 – G8	37	
		17	1		reserved			
		18	1	00 – 01	Bend Lever Mode	Pitch Bend, Rotary S/F	00	
		19	1	00 – 3F, 41, 43 – 77	Modulation Lever Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	01	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		1A	1	00 – 7F	Modulation Lever Limit Low	0 – 127	00	
		1B	1	00 – 7F	Modulation Lever Limit High	0 – 127	7F	
		1C	1	00 – 3F, 41, 43 – 78	FC1 Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	0B	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		1D	1	00 – 7F	FC1 Limit Low	0 – 127	00	
		1E	1	00 – 7F	FC1 Limit High	0 – 127	7F	
		1F	1	00 – 3F, 41, 43 – 78	FC2 Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	04	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		20	1	00 – 7F	FC2 Limit Low	0 – 127	00	
		21	1	00 – 7F	FC2 Limit High	0 – 127	7F	
		22	1	00 – 01	Sustain Pedal Mode	Sustain, Rorary S/F	00	
		23	1		reserved			
		24	1		reserved			
		25	1	00 – 02	Keys A/B Select	A, B, A+B	00	
		26	1	00 – 01	Reverb Switch	Off, On	00	
		27	1	00 – 03	Reverb Depth Knob Section Select	All, Organ, Keys A, Keys B	01	

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
		28	1		reserved			
		29	1		reserved			
		2A	1	00 – 01	Effect Switch	Off, On	00	
		2B	1	00 – 15, 17 – 1F, 21 – 25	Effect Type	*1	00	*2
		2C	1	00 – 02	Effect Section Select	Organ, Keys A, Keys B	00	
		2D	1	00 – 7F	Effect Depth	0 – 127	40	
		2E	1	00 – 7F	Effect Rate	0 – 127	40	
		2F	1	00 – 0E	Effect Tempo Delay Time	1/32 Tri., 1/64 Dot., 1/32, 1/16 Tri., 1/32 Dot., 1/16, 1/8 Tri., 1/16 Dot., 1/8, 1/4 Tri., 1/8 Dot., 1/4, 1/2 Tri., 1/4 Dot., 1/2	0B	
		30	1	00 – 01	Effect Looper Delay Rec Switch	Off, On	01	
		31	1	00 – 01	Speaker/Amp Switch	Off, On	01	
		32	1	00 – 05	Speaker/Amp Type	Rotary Speaker A, Rotary Speaker B, UK Lead, UK Crunch, US Double, US Case	00	
		33	1	00 – 02	Speaker/Amp Section Select	Organ, Keys A, Keys B	00	
		34	1	00 – 7F	Speaker/Amp Drive	0 – 127	40	
		35	1	00 – 7F	Speaker/Amp Tone	0 – 127	40	
		36	1	00 – 01	Rotary Speaker Slow/Fast	Slow, Fast	00	
		37	1	00 – 01	Rotary Speaker Rotation Switch	Off, On	01	
		38	1	00 – 7F	Rotary Speaker Horn Level	0 – 127	40	
		39	1	00 – 7F	Rotary Speaker Rotor Level	0 – 127	40	
		3A	1	01 – 7F	Rotary Speaker Horn Speed Fast	209.4 – 817.6 [rpm]	40	
		3B	1	01 – 7F	Rotary Speaker Rotor Speed Fast	189.3 – 736.8 [rpm]	40	
		3C	1	01 – 7F	Rotary Speaker Horn Speed Slow	23.0 – 89.6 [rpm]	40	
		3D	1	01 – 7F	Rotary Speaker Rotor Speed Slow	22.7 – 88.3 [rpm]	40	
		3E	1	0E – 7F	Rotary Speaker Horn Acceleration	0.21 – 1.00 – 2.00	53	
		3F	1	0E – 7F	Rotary Speaker Rotor Acceleration	0.21 – 1.00 – 2.00	40	
		40	1	0E – 7F	Rotary Speaker Horn Deceleration	0.21 – 1.00 – 2.00	53	
		41	1	0E – 7F	Rotary Speaker Rotor Deceleration	0.21 – 1.00 – 2.00	40	
		42	1	00 – 01	Rotary Speaker Stereo/Mono	Stereo, Mono	00	
		43	1	00 – 01	Background Noise Switch	Off, On	01	
		44	1	00 – 7F	Background Noise Level	0 – 127	40	
		45	1	00 - 02	Rotary Speaker Slot A Type	Studio, Classic, Overdrive	00	*3
		46	1	00 - 02	Rotary Speaker Slot B Type	Studio, Classic, Overdrive	01	*3
		47	1		reserved			

TOTAL SIZE = 72   48 (HEX)

*1: G Chorus, SPX Chorus, Symphonic, 816 Chorus, VCM Flanger, Cross FB Flanger, VCM Stereo Phaser, Small Phaser, Max90, Dual Phaser, Tremolo, Auto Pan, Simple Rotary, British Combo, British Lead, Small Stereo, Compressor, Auto Wah, Touch Wah, Pedal Wah, Cross Delay, Tempo Delay, Analog Delay, Looper Delay, Room Reverb, Hall Reverb, Reverse Reverb, Lo-Fi, Ring Modulator, Slicer, LP Filter, Harmonic Enhancer, Tone Control, 1 Band EQ Narrow, 1 Band EQ Wide, GS1 Ensemble

*2: For the LED indication, refer to the Insertion Effect Type List in the YC61 Owner's Manual.

*3: Classic = Rotary Speaker A in the previous version
Overdrive = Rotary Speaker B in the previous version
When receiving MIDI bulk data of the previous version, "Classic" is set to Slot A Type while "Overdrive" is set to Slot B Type.

ZONE

Zone 1-4

zz: Zone Number, 00 – 03 (HEX) Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
4A	zz	00	1	00 – 01	Zone Switch	Off, On	00 – 01	With the default settings, only the Zone 1 is set to "on."
		01	1	00 – 0F	Transmit Channel	1 – 16	00 – 03	Default settings: Zone1(0), Zone2(1), Zone3(2), Zone4(3)
		02	1	3D – 43	Transpose (Octave)	-3 – +3	40	
		03	1	35 – 4B	Transpose (Semitone)	-11 – +11	40	
		04	1	00 – 7F	Note Limit Low	C-2 – G8	00	The upper limit will be determined with "Note Limit High."
		05	1	00 – 7F	Note Limit High	C-2 – G8	7F	The lower limit will be determined with "Note Limit Low."
		06	1		reserved			
		07	1	00 – 7F	MIDI Volume	0 – 127	7F	
		08	1	00 – 7F	MIDI Pan	L64 – C – R63	40	
		09	1	00 – 7F	MIDI Bank MSB	0 – 127	00	
		0A	1	00 – 7F	MIDI Bank LSB	0 – 127	00	
		0B	1	00 – 7F	MIDI Program Number	1 – 128	00	
		0C	1	00 – 1F	Transmit Bank Select Transmit Program Change Transmit Volume Transmit Pan Transmit Note	bit0: Off, On Bank Select bit1: Off, On Program Change bit2: Off, On Volume bit3: Off, On Pan bit4: Off, On Note	1F	CC#11 (Expression) will not be transmitted when the Volume is set to "off."
		0D	1	00 – 3F	Transmit PB Transmit Mod Transmit FC1 Transmit FC2 Transmit FS Transmit Sus	bit0: Off, On PB bit1: Off, On Mod bit2: Off, On FC1 bit3: Off, On FC2 bit4: Off, On FS bit5: Off, On Sus	3F	
		0E	1		reserved			
		0F	1		reserved			

TOTAL SIZE = 16   10 (HEX)

Organ Section

Organ Section Common

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
50	00	00	2	00 – 01 00 – 3E	Voice Number	H1, H2, H3, H4, F1, F2, F3, F4, F5, F6 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 00	*3
		02	1	00 – 01	Section Switch	Off, On	01	
		03	1	00 – 01	Part Select	Upper, Lower	00	
		04	1	00 – 03	Split Mode	Off, L&U, Upper, Lower	00	
		05	1	00 – 7F	Section Volume	0 – 127	7F	
		06	1	00 – 7F	Pre Drive	0 – 127	00	
		07	1	01 – 7F	Pan	L63 – C – R63	40	
		08	1	28 – 58	Pitch Bend Range	-24 – 0 – +24	42	
		09	1	00 – 7F	Pitch Modulation Depth	0 – 127	0A	*1
		0A	1	00 – 7F	Pitch Modulation Speed	-64 – +63	40	*1

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
		0B	1	00 – 7F	Pitch Modulation Initial	0 – 127	00	*1
		0C	1	00 – 01	Receive Expression	Off, On	01	
		0D	1	00 – 01	Receive Sustain	Off, On	01	
		0E	1	00 – 01	Receive Sostenuto	Off, On	01	
		0F	1		reserved			
		10	1	00 – 04	External Keyboard	External + Internal, External Only, 2 manual (Upper), 2 manual (Lower), Off	00	
		11	1		reserved			
		12	1		reserved			
		13	1	00 – 01	Percussion Switch	Off, On	00	*2
		14	1	00 – 01	Percussion Type	3rd, 2nd	00	*2
		15	1	00 – 01	Percussion Decay	Slow, Fast	00	*2
		16	1	00 – 01	Percussion Volume	Soft, Normal	01	*2
		17	1	00 – 01	Percussion Link to 1feet	Off, On	01	*2
		18	1		reserved			
		19	1		reserved			
		1A	1	00 – 05	Vibrato/Chorus Type	V1, C1, V2, C2, V3, C3	05	
		1B	1		reserved			
		1C	1	00 – 7F	Leak Level	0 – 127	40	*2
		1D	1	00 – 7F	Key Click Level	0 – 127	40	*2
		1E	1		reserved			
		1F	1	00 – 01	Expression Type	Drive+Volume, Volume	00	*2
		20	1		reserved			
		21	1	00 – 02	FM Drawbar Color Type	1 Color, 2 Colors, 3 Colors	02	*1
		22	1		reserved			
		23	1	00 – 7F	Reverb Depth	0 – 127	00	

TOTAL SIZE = 36   24 (HEX)

*1: Effective only when the FM organ type (F1–F6) is selected.

*2: Effective only when the VCM organ type (H1–H4) is selected.

*3: 0 = H1, 1 = H2, 2 = H3, 190 = H4, 3 = F1, 4 = F2, 5 = F3, 149 = F4, 150 = F5, 151 = F6

Organ Section Part Upper/Lower

p: Part number, 0-1 (0: Upper, 1: Lower)

Address			Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
High	Mid	Low						
50	1p	00	1		reserved			
		01	1		reserved			
		02	1	3E – 42	Octave Shift	-2 – 0 – +2	40	
		03	1		reserved			
		04	1	00 – 7F	Drawbar 16'	0 – 127	7F	Correspondence between drawbar position and parameter value 0: 0 1: 1 - 18 2: 19 - 36 3: 37 - 54 4: 55 - 72 5: 73 - 90 6: 91 - 108 7: 109 - 126 8: 127
		05	1	00 – 7F	Drawbar 5 1/3'	0 – 127	7F	
		06	1	00 – 7F	Drawbar 8'	0 – 127	7F	
		07	1	00 – 7F	Drawbar 4'	0 – 127	00	
		08	1	00 – 7F	Drawbar 2 2/3'	0 – 127	00	
		09	1	00 – 7F	Drawbar 2'	0 – 127	00	
		0A	1	00 – 7F	Drawbar 1 3/5'	0 – 127	00	
		0B	1	00 – 7F	Drawbar 1 1/3'	0 – 127	00	
		0C	1	00 – 7F	Drawbar 1'	0 – 127	00	
		0D	1	00 – 06	Drawbar Color	1: White, 2: Red, 3: Yellow, 4: Green, 5: Cyan, 6: Blue, 7: Magenta	00	
		0E	1		reserved			
		0F	1		reserved			
		10	1		reserved			
		11	1		reserved			
		12	1	00 – 01	Vibrato/Chorus Switch	Off, On	00	*1
		13	1		reserved			

TOTAL SIZE = 20   14 (HEX)

*1: When an FM Voice (F1–F6) is selected, Upper and Lower are linked with the same setting.

Keys Sections

Key A/Key B Section

s: Section number, 0-1 (0: A, 1: B) Group Number = 7F 1C, Model ID = 09

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
60	0s	00	1	00 – 03	Current Category	Piano, E.Piano, Synth, Others	A: 00, B: 02	
		01	2	00 – 01 06 – 3F	Category 1 Voice Number	6 – 13, 145, 146, 152, 153, 189, 191 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 06	
		03	2	00 – 01 0E – 1F	Category 2 Voice Number	14 – 31, 147, 148, 157 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 0E	
		05	2	00 – 01 1E – 5A	Category 3 Voice Number	32 – 90, 158 – 188, 192 – 199 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 20	
		07	2	00 – 01 00 – 7F	Category 4 Voice Number	90 – 144, 154 – 156 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 5B	
		09	1	02	Bulk Format Version	2	02	
		0A	1	00 – 01	Section Switch	Off, On	00	
		0B	1	00 – 02	Split Mode	L&R, L, R	00	
		0C	1	3E – 42	Octave Shift	-2 – 0 – +2	40	
		0D	1	01 – 7F	Pan	L63 – C – R63	40	
		0E	1	00 – 7F	Section Volume	0 – 127	7F	
		0F	1	00 – 7F	Tone	0 – 127	40	
		10	1	00 – 01	EG/Filter Select	EG, Filter	00	
		11	1	00 – 7F	EG	0 – 127	40	
		12	1	00 – 0A	EG Control	Atk&Dcy&Rls A, Atk&Dcy&Rls B, Attack, Decay, Release, Atk&Rls A, Atk&Rls B, Atk&Rls Minus, Dcy&Rls, Atk&Dcy A, Atk&Dcy B	00	
		13	1	00 – 7F	Filter	0 – 127	40	
		14	1	00 – 06	Filter Control	Flat Reso, Reso Plus, Reso Minus A, Reso Minus B, Reso Minus C, Reso Boost A, Reso Boost B	00	
		15	1	00 – 7F	Touch Sensitivity Depth	-64 – +63	40	
		16	1	00 – 7F	Touch Sensitivity Offset	-64 – +63	40	
		17	1	00 – 02	FM Unison	Off, 2 Unison, 4 Unison	00	*1
		18	1	00 – 0F	FM Detune	0 – 15	00	*1
		19	1	00 – 0F	FM Spread	0 – 15	00	*1
		1A	1		reserved			
		1B	1		reserved			
		1C	1	00 – 01	Mono/Poly	Mono, Poly	01	
		1D	1	00 – 01	Portamento Switch	Off, On	00	*2
		1E	1	00 – 7F	Portamento Time	0 – 127	40	*2
		1F	1	00 – 01	Portamento Mode	Fingered, Full-time	01	*2
		20	1	00 – 01	Portamento Time Mode	Rate, Time	00	*2
		21	1	28 – 58	Pitch Bend Range	-24 – 0 – +24	42	
		22	1	00 – 7F	Pitch Modulation Depth	0 – 127	0A	
		23	1	00 – 7F	Pitch Modulation Speed	-64 – +63	40	
		24	1	00 – 7F	Pitch Modulation Initial	0 – 127	00	
		25	1		reserved			
		26	1	00 – 01	Receive Expression	Off, On	01	
		27	1	00 – 01	Receive Sustain	Off, On	01	
		28	1	00 – 01	Receive Sostenuto	Off, On	01	
		29	1	00 – 01	Receive Soft	Off, On	01	
		2A	1	00 – 02	External Keyboard	External + Internal, External Only, Off	00	
		2B	1		reserved			
		2C	1		reserved			
		2D	1	00 – 01	Effect 1 Switch	Off, On	00	

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX) YC61	Notes
		2E	1	00 – 14, 16 – 17, 19 – 25	Effect 1 Type	*3	00	*4
		2F	1	00 – 7F	Effect 1 Depth	0 – 127	40	
		30	1	00 – 7F	Effect 1 Rate	0 – 127	40	
		31	1	00 – 01	Effect 2 Switch	Off, On	00	
		32	1	00 – 14, 16 – 17, 19 – 25	Effect 2 Type	*3	00	*4
		33	1	00 – 7F	Effect 2 Depth	0 – 127	40	
		34	1	00 – 7F	Effect 2 Speed	0 – 127	40	
		35	1		reserved			
		36	1		reserved			
		37	1		reserved			
		38	1		reserved			
		39	1	00 – 7F	Reverb Depth	0 – 127	00	

TOTAL SIZE = 58   3A (HEX)

*1: Available only when an FM Voice is selected.

*2: Available only when the Mono/Poly parameter is set to "Mono."

*3: G Chorus, SPX Chorus, Symphonic, 816 Chorus, VCM Flanger, Cross FB Flanger, VCM Stereo Phaser, Small Phaser, Max90, Dual Phaser, Tremolo, Auto Pan, Simple Rotary, British Combo, British Lead, Small Stereo, Compressor, Auto Wah, Touch Wah, Pedal Wah, Cross Delay, Digital Delay, Analog Delay, Room Reverb, Hall Reverb, Reverse Reverb, Lo-Fi, Ring Modulator, Slicer, LP Filter, Damper Resonance, Harmonic Enhancer, Tone Control, 1 Band EQ Narrow, 1 Band EQ Wide, GS1 Ensemble

*4: For the LED indication, refer to the Insertion Effect Type List in the YC61 Owner's Manual.

MIDI Data Table (YC88/YC73)

Color-highlighted parts ([ ]) are those that have been added or changed from previous versions.

Bank Select

MSB		LSB		Program No.	Type	Memory	Description
DEC	HEX	DEC	HEX				
63	3F	0	00	0 – 7	Live Set Sound	User	Live Set Page 1
		1	01	0 – 7		User	Live Set Page 2
		2	02	0 – 7		User	Live Set Page 3
		3	03	0 – 7		User	Live Set Page 4
		4	04	0 – 7		User	Live Set Page 5
		5	05	0 – 7		User	Live Set Page 6
		6	06	0 – 7		User	Live Set Page 7
		7	07	0 – 7		User	Live Set Page 8
		8	08	0 – 7		User	Live Set Page 9
		9	09	0 – 7		User	Live Set Page 10
		10	0A	0 – 7		User	Live Set Page 11
		11	0B	0 – 7		User	Live Set Page 12
		12	0C	0 – 7		User	Live Set Page 13
		13	0D	0 – 7		User	Live Set Page 14
		14	0E	0 – 7		User	Live Set Page 15
		15	0F	0 – 7		User	Live Set Page 16
		16	10	0 – 7		User	Live Set Page 17
		17	11	0 – 7		User	Live Set Page 18
		18	12	0 – 7		User	Live Set Page 19
		19	13	0 – 7		User	Live Set Page 20
		20	14	0 – 7		User	Live Set Page 21
		21	15	0 – 7		User	Live Set Page 22
		22	16	0 – 7		User	Live Set Page 23
		23	17	0 – 7		User	Live Set Page 24
		24	18	0 – 7		User	Live Set Page 25
		25	19	0 – 7		User	Live Set Page 26
		26	1A	0 – 7		User	Live Set Page 27
		27	1B	0 – 7		User	Live Set Page 28
		28	1C	0 – 7		User	Live Set Page 29
		29	1D	0 – 7		User	Live Set Page 30
		30	1E	0 – 7		User	Live Set Page 31
		31	1F	0 – 7		User	Live Set Page 32
		32	20	0 – 7		User	Live Set Page 33
		33	21	0 – 7		User	Live Set Page 34
		34	22	0 – 7		User	Live Set Page 35
		35	23	0 – 7		User	Live Set Page 36
		36	24	0 – 7		User	Live Set Page 37
		37	25	0 – 7		User	Live Set Page 38
		38	26	0 – 7		User	Live Set Page 39
		39	27	0 – 7		User	Live Set Page 40

Parameter Base Address

Group Number = 7F 1C, Model ID = 09

Parameter Block				Description
	Top Address			
	High	Mid	Low	
System	20	00	00	System
	20	40	00	Master EQ
	00	7F	00	Soundmondo Format Version
BULK CONTROL	0E	00	00	Header
	0F	00	00	Footer
STORE TO FLASH	0D	00	00	Store To Flash
Live Set Sound	46	00	00	Common
Zone	4A	zz	00	Zone (zz: 00 – 03)
Organ Section	50	00	00	Common
	50	1p	00	Part (p: 0 – 1 (0: UPPER, 1: LOWER))
Keys Sections	60	0s	00	Section (s: 0 – 1 (0: A, 1: B))

Bulk Dump Block

"Top Address" indicates the top address of each block designated by the bulk dump operation. "Byte Count" indicates the data size contained in each block designated by the bulk dump operation.
The block from the Bulk Header to the Bulk Footer of the Live Set Sound can be received regardless of their order; however, they cannot be received if an irrelevant Block is included. To execute 1 Live Set Sound bulk dump request, designate its corresponding Bulk Header address.
For information about "pp" and "n" shown in the following list, refer to the MIDI PARAMETER CHANGE TABLE (BULK CONTROL).

Group Number = 7F 1C, Model ID = 09

Parameter Block		Description	Byte Count		Top Address		
			DEC	HEX	High	Mid	Low
System		System	49	31	20	00	00
		Master EQ	20	14	20	40	00
Live Set Sound		Bulk Header	0	00	0E	pp	0n
		Soundmondo Format Version	4	04	00	7F	00
	Master EQ		20	14	20	40	00
	Common		1	01	46	00	00
	Zone	Zone 1	16	10	4A	00	00
		:				:	
		Zone 4				03	
	Organ Section	Organ Section Common	36	24	50	00	00
		Organ Section Part Upper	20	14	50	10	
		Organ Section Part Lower	20	14	50	11	
	Keys Sections	Key A Section	58	3A	60	00	00
		Key B Section	58	3A		01	
		Bulk Footer	0	00	0F	pp	0n

Message Type	Data
Parameter Change	F0, 43, 1n, gh, gl, id, ah, am, al, dt, … F7
Parameter Request	F0, 43, 3n, gh, gl, id, ah, am, al F7
Bulk Dump	F0, 43, 0n, gh, gl, bh, bl, id, ah, am, al, dt, …, cc, F7
Bulk Request	F0, 43, 2n, gh, gl, id, ah, am, al, F7

n: Device Number
gh: Group Number High
gl: Group Number Low
bh: Byte Count High
bl: Byte Count Low
id: Model ID
ah: Parameter Address High
am: Parameter Address Middle
al: Parameter Address Low
dt: Data
cc: Data Checksum

MIDI PARAMETER CHANGE TABLE (BULK CONTROL)

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range (HEX)	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
0E	pp	0n	1	-	Bulk Header	Live Set Sound User (pp = 0 – 39, n = 0 – 7)	-	
	7F	00	1	-		Current Sound Buffer	-	
0F	pp	0n	1	-	Bulk Footer	Live Set Sound User (pp = 0 – 39, n = 0 – 7)	-	
	7F	00	1	-		Current Sound Buffer	-	

SYSTEM

System Common

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
20	00	00	1		reserved			
		01	1		reserved			
		02	4	00 – 00 00 – 07 00 – 0F 00 – 0F	Master Tune	414.72 – 466.78 [Hz] 1st bit3-0: bit15-12 2nd bit3-0: bit11-8 3rd bit3-0: bit 7-4 4th bit3-0: bit 3-0	00 04 00 00	
		06	1	3D – 43	Keyboard Octave Shift	-3 – 0 – +3	40	
		07	1	34 – 4C	Keyboard Transpose	-12 – +12 [semitones]	40	
		08	1	00 – 01	Controller Reset	Hold, Reset	01	
		09	1	00 – 01	Local Control	Off, On	01	
		0A	1	00 – 0F, 7F	Tx Channel	1 – 16, Off	00	
		0B	1	00 – 10	Rx Channel	1 – 16, All	00	
		0C	1	00 – 03	MIDI Control	Off, On, Invert	00	
		0D	1	00 – 01	Section SW Mode	Realtime, Next-Key	00	
		0E	1	38 – 48	Output Gain	-24 – 0 – +24 [dB]	40	In 3 dB increments
		0F	1		reserved			
		10	1	00 – 04	Keyboard Touch Curve	Normal, Soft, Hard, Wide, Fixed	00	
		11	1	01 – 7F	Keyboard Fixed Velocity	1 – 127	40	
		12	1	00 – 01	Transmit/Receive Bank Select	Off, On	01	
		13	1	00 – 01	Transmit/Receive Program Change	Off, On	01	
		14	1		reserved			
		15	1	00 – 01	MIDI In/Out	Off, On	01	
		16	1	00 – 01	USB In/Out	Off, On	01	
		17	1		reserved			
		18	1		reserved			
		19	1	00 – 01	Display Lights Section	Off, On	01	
		1A	1	00 – 01	Display Lights Ins Effect	Off, On	01	
		1B	1	00 – 01	Display Lights LCD	Off, On	01	
		1C	1		reserved			
		1D	1		reserved			
		1E	1	00 – 01	Value Indication	Off, On	01	
		1F	1	00 – 01	Drawbar Mode	Jump, Catch	00	
		20	1	00 – 01	SW Direction	Default, Reverse	00	
		21	1		reserved			
		22	1	00 – 3F	LCD Contrast	1 – 63	20	
		23	1	00 – 01	Panel Lock Live Set	Off, On	01	
		24	1	00 – 01	Panel Lock Organ/Keys	Off, On	01	
		25	1	00 – 01	Panel Lock Effect/Sp Amp/Reverb	Off, On	01	
		26	1	00 – 01	Panel Lock Master EQ	Off, On	01	
		27	1	00 – 01	Rotary Speaker Speed	Change, Hold	00	
		28	1	00 – 01	Section Hold	Disable, Enable	00	
		29	1	00 – 01	Live Set View Mode	Close, Keep	00	
		2A	1	00 – 27	Power On Page	1 – 40	00	
		2B	1	00 – 07	Power On Sound	1 – 8	00	
		2C	1	00 – 79	FS Control Number	Off, 1 – 119, 120 (Live Set +), 121 (Live Set -)	78	
		2D	1	00 – 01	EG/Filter Reset	Off, On	01	
		2E	1		reserved			
		2F	1	00 – 7F	USB Audio Volume	0 – 127	40	
		30	1	00 – 02	Sustain Pedal Select	FC3A (Half On), FC3A (Half Off), FC4A/5	00	

TOTAL SIZE = 49   31 (HEX)

System MEQ

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
20	40	00	1	34 – 4C	Low Gain	-12dB – +12dB	40	
		01	1		reserved			
		02	1		reserved			
		03	1		reserved			
		04	1		reserved			
		05	1		reserved			
		06	1		reserved			
		07	1		reserved			
		08	1	34 – 4C	Mid Gain	-12dB – +12dB	40	
		09	1	0E – 36	Mid Frequency	100Hz – 10kHz	1C	
		0A	1		reserved			
		0B	1		reserved			
		0C	1		reserved			
		0D	1		reserved			
		0E	1		reserved			
		0F	1		reserved			
		10	1	34 – 4C	High Gain	-12dB – +12dB	40	
		11	1		reserved			
		12	1		reserved			
		13	1	00 – 01	EQ On/Off	Off, On	01	

TOTAL SIZE = 20   14 (HEX)

Soundmondo Format Version

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
00	7F	00	1	00 – 7F	Soundmondo Format Version Major		01	
			1	00 – 7F	Soundmondo Format Version Minor		01	
			1	00 – 7F	Soundmondo Format Version Bugfix		00	
			1		reserved		00	

TOTAL SIZE = 4   4 (HEX)

LIVE SET SOUND

Common

Group Number = 7F 1C, Model ID = 09

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
46	00	00	1	20 – 7F	Live Set Sound Name 1	32 – 127 (ASCII)	40	'l'
		01	1	20 – 7F	Live Set Sound Name 2	32 – 127 (ASCII)	6E	'n'
		02	1	20 – 7F	Live Set Sound Name 3	32 – 127 (ASCII)	69	'i'
		03	1	20 – 7F	Live Set Sound Name 4	32 – 127 (ASCII)	74	't'
		04	1	20 – 7F	Live Set Sound Name 5	32 – 127 (ASCII)	20	' '
		05	1	20 – 7F	Live Set Sound Name 6	32 – 127 (ASCII)	53	'S'
		06	1	20 – 7F	Live Set Sound Name 7	32 – 127 (ASCII)	6F	'o'
		07	1	20 – 7F	Live Set Sound Name 8	32 – 127 (ASCII)	75	'u'
		08	1	20 – 7F	Live Set Sound Name 9	32 – 127 (ASCII)	6E	'n'
		09	1	20 – 7F	Live Set Sound Name 10	32 – 127 (ASCII)	64	'd'
		0A	1	20 – 7F	Live Set Sound Name 11	32 – 127 (ASCII)	20	
		0B	1	20 – 7F	Live Set Sound Name 12	32 – 127 (ASCII)	20	
		0C	1	20 – 7F	Live Set Sound Name 13	32 – 127 (ASCII)	20	
		0D	1	20 – 7F	Live Set Sound Name 14	32 – 127 (ASCII)	20	
		0E	1	20 – 7F	Live Set Sound Name 15	32 – 127 (ASCII)	20	
		0F	1	02	Bulk Format Version	2	02	
		10	1	00 – 01	Live Set EQ Mode Switch	Off, On	00	
		11	1	00 – 01	Zone Mode Switch	Off, On	00	
		12	1	00 – 01	Advanced Zone Mode Switch	Off, On	00	
		13	2	00 – 12 00 – 60	Tempo	42.0 – 240.0	0704	
		15	1	34 – 4C	Sound Transpose	-12 – +12	40	
		16	1	01 – 7F	Split Point	C#-2 – G8	37	
		17	1		reserved			
		18	1	00 – 01	Bend Lever Mode	Pitch Bend, Rotary S/F	00	
		19	1	00 – 3F, 41, 43 – 77	Modulation Lever Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	01	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		1A	1	00 – 7F	Modulation Lever Limit Low	0 – 127	00	
		1B	1	00 – 7F	Modulation Lever Limit High	0 – 127	7F	
		1C	1	00 – 3F, 41, 43 – 78	FC1 Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	0B	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		1D	1	00 – 7F	FC1 Limit Low	0 – 127	00	
		1E	1	00 – 7F	FC1 Limit High	0 – 127	7F	
		1F	1	00 – 3F, 41, 43 – 78	FC2 Assign	Off, 1 – 63, 65, 67 – 119, 120 (USB Audio Volume)	04	Sustain (= 64), and Sostenuto (= 66) cannot be assigned
		20	1	00 – 7F	FC2 Limit Low	0 – 127	00	
		21	1	00 – 7F	FC2 Limit High	0 – 127	7F	
		22	1	00 – 01	Sustain Pedal Mode	Sustain, Rorary S/F	00	
		23	1		reserved			
		24	1		reserved			
		25	1	00 – 02	Keys A/B Select	A, B, A+B	00	
		26	1	00 – 01	Reverb Switch	Off, On	01	
		27	1	00 – 03	Reverb Depth Knob Section Select	All, Organ, Keys A, Keys B	00	
		28	1		reserved			
		29	1		reserved			
		2A	1	00 – 01	Effect Switch	Off, On	00	
		2B	1	00 – 15, 17 – 1F, 21 – 25	Effect Type	*1	00	*2
		2C	1	00 – 02	Effect Section Select	Organ, Keys A, Keys B	01	
		2D	1	00 – 7F	Effect Depth	0 – 127	40	
		2E	1	00 – 7F	Effect Rate	0 – 127	40	
		2F	1	00 – 0E	Effect Tempo Delay Time	1/32 Tri., 1/64 Dot., 1/32, 1/16 Tri., 1/32 Dot., 1/16, 1/8 Tri., 1/16 Dot., 1/8, 1/4 Tri., 1/8 Dot., 1/4, 1/2 Tri., 1/4 Dot., 1/2	0B	
		30	1	00 – 01	Effect Looper Delay Rec Switch	Off, On	01	
		31	1	00 – 01	Speaker/Amp Switch	Off, On	00	
		32	1	00 – 05	Speaker/Amp Type	Rotary Speaker A, Rotary Speaker B, UK Lead, UK Crunch, US Double, US Case	00	
		33	1	00 – 02	Speaker/Amp Section Select	Organ, Keys A, Keys B	01	
		34	1	00 – 7F	Speaker/Amp Drive	0 – 127	40	
		35	1	00 – 7F	Speaker/Amp Tone	0 – 127	40	
		36	1	00 – 01	Rotary Speaker Slow/Fast	Slow, Fast	00	
		37	1	00 – 01	Rotary Speaker Rotation Switch	Off, On	01	
		38	1	00 – 7F	Rotary Speaker Horn Level	0 – 127	40	
		39	1	00 – 7F	Rotary Speaker Rotor Level	0 – 127	40	
		3A	1	01 – 7F	Rotary Speaker Horn Speed Fast	209.4 – 817.6 [rpm]	40	
		3B	1	01 – 7F	Rotary Speaker Rotor Speed Fast	189.3 – 736.8 [rpm]	40	
		3C	1	01 – 7F	Rotary Speaker Horn Speed Slow	23.0 – 89.6 [rpm]	40	
		3D	1	01 – 7F	Rotary Speaker Rotor Speed Slow	22.7 – 88.3 [rpm]	40	
		3E	1	0E – 7F	Rotary Speaker Horn Acceleration	0.21 – 1.00 – 2.00	53	
		3F	1	0E – 7F	Rotary Speaker Rotor Acceleration	0.21 – 1.00 – 2.00	40	
		40	1	0E – 7F	Rotary Speaker Horn Deceleration	0.21 – 1.00 – 2.00	53	
		41	1	0E – 7F	Rotary Speaker Rotor Deceleration	0.21 – 1.00 – 2.00	40	
		42	1	00 – 01	Rotary Speaker Stereo/Mono	Stereo, Mono	00	
		43	1	00 – 01	Background Noise Switch	Off, On	01	
		44	1	00 – 7F	Background Noise Level	0 – 127	40	
		45	1	00 - 02	Rotary Speaker Slot A Type	Studio, Classic, Overdrive	00	*3
		46	1	00 - 02	Rotary Speaker Slot B Type	Studio, Classic, Overdrive	01	*3
		47	1		reserved			

TOTAL SIZE = 72   48 (HEX)

*1: G Chorus, SPX Chorus, Symphonic, 816 Chorus, VCM Flanger, Cross FB Flanger, VCM Stereo Phaser, Small Phaser, Max90, Dual Phaser, Tremolo, Auto Pan, Simple Rotary, British Combo, British Lead, Small Stereo, Compressor, Auto Wah, Touch Wah, Pedal Wah, Cross Delay, Tempo Delay, Analog Delay, Looper Delay, Room Reverb, Hall Reverb, Reverse Reverb, Lo-Fi, Ring Modulator, Slicer, LP Filter, Harmonic Enhancer, Tone Control, 1 Band EQ Narrow, 1 Band EQ Wide, GS1 Ensemble

*2: For the LED indication, refer to the Insertion Effect Type List in the YC88 YC73 Owner's Manual.

*3: Classic = Rotary Speaker A in the previous version
Overdrive = Rotary Speaker B in the previous version
When receiving MIDI bulk data of the previous version, "Classic" is set to Slot A Type while "Overdrive" is set to Slot B Type.

ZONE

Zone 1-4

zz: Zone Number, 00 – 03 (HEX) Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
4A	zz	00	1	00 – 01	Zone Switch	Off, On	00 – 01	With the default settings, only the Zone 1 is set to "on."
		01	1	00 – 0F	Transmit Channel	1 – 16	00 – 03	Default settings: Zone1(0), Zone2(1), Zone3(2), Zone4(3)
		02	1	3D – 43	Transpose (Octave)	-3 – +3	40	
		03	1	35 – 4B	Transpose (Semitone)	-11 – +11	40	
		04	1	00 – 7F	Note Limit Low	C-2 – G8	00	The upper limit will be determined with "Note Limit High."
		05	1	00 – 7F	Note Limit High	C-2 – G8	7F	The lower limit will be determined with "Note Limit Low."
		06	1		reserved			
		07	1	00 – 7F	MIDI Volume	0 – 127	7F	
		08	1	00 – 7F	MIDI Pan	L64 – C – R63	40	
		09	1	00 – 7F	MIDI Bank MSB	0 – 127	00	
		0A	1	00 – 7F	MIDI Bank LSB	0 – 127	00	
		0B	1	00 – 7F	MIDI Program Number	1 – 128	00	
		0C	1	00 – 1F	Transmit Bank Select Transmit Program Change Transmit Volume Transmit Pan Transmit Note	bit0: Off, On Bank Select bit1: Off, On Program Change bit2: Off, On Volume bit3: Off, On Pan bit4: Off, On Note	1F	CC#11 (Expression) will not be transmitted when the Volume is set to "off."
		0D	1	00 – 3F	Transmit PB Transmit Mod Transmit FC1 Transmit FC2 Transmit FS Transmit Sus	bit0: Off, On PB bit1: Off, On Mod bit2: Off, On FC1 bit3: Off, On FC2 bit4: Off, On FS bit5: Off, On Sus	3F	
		0E	1		reserved			
		0F	1		reserved			

TOTAL SIZE = 16   10 (HEX)

Organ Section

Organ Section Common

Group Number = 7F 1C, Model ID = 09

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
50	00	00	2	00 – 01 00 – 3E	Voice Number	H1, H2, H3, H4, F1, F2, F3, F4, F5, F6 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 00	*3
		02	1	00 – 01	Section Switch	Off, On	00	
		03	1	00 – 01	Part Select	Upper, Lower	00	
		04	1	00 – 03	Split Mode	Off, L&U, Upper, Lower	00	
		05	1	00 – 7F	Section Volume	0 – 127	7F	
		06	1	00 – 7F	Pre Drive	0 – 127	00	
		07	1	01 – 7F	Pan	L63 – C – R63	40	
		08	1	28 – 58	Pitch Bend Range	-24 – 0 – +24	42	
		09	1	00 – 7F	Pitch Modulation Depth	0 – 127	0A	*1
		0A	1	00 – 7F	Pitch Modulation Speed	-64 – +63	40	*1

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
		0B	1	00 – 7F	Pitch Modulation Initial	0 – 127	00	*1
		0C	1	00 – 01	Receive Expression	Off, On	01	
		0D	1	00 – 01	Receive Sustain	Off, On	01	
		0E	1	00 – 01	Receive Sostenuto	Off, On	01	
		0F	1		reserved			
		10	1	00 – 04	External Keyboard	External + Internal, External Only, 2 manual (Upper), 2 manual (Lower), Off	00	
		11	1		reserved			
		12	1		reserved			
		13	1	00 – 01	Percussion Switch	Off, On	00	*2
		14	1	00 – 01	Percussion Type	3rd, 2nd	00	*2
		15	1	00 – 01	Percussion Decay	Slow, Fast	00	*2
		16	1	00 – 01	Percussion Volume	Soft, Normal	01	*2
		17	1	00 – 01	Percussion Link to 1feet	Off, On	01	*2
		18	1		reserved			
		19	1		reserved			
		1A	1	00 – 05	Vibrato/Chorus Type	V1, C1, V2, C2, V3, C3	05	
		1B	1		reserved			
		1C	1	00 – 7F	Leak Level	0 – 127	40	*2
		1D	1	00 – 7F	Key Click Level	0 – 127	40	*2
		1E	1		reserved			
		1F	1	00 – 01	Expression Type	Drive+Volume, Volume	00	*2
		20	1		reserved			
		21	1	00 – 02	FM Drawbar Color Type	1 Color, 2 Colors, 3 Colors	02	*1
		22	1		reserved			
		23	1	00 – 7F	Reverb Depth	0 – 127	00	

TOTAL SIZE = 36   24 (HEX)

*1: Effective only when the FM organ type (F1–F6) is selected.
*2: Effective only when the VCM organ type (H1–H4) is selected.
*3: 0 = H1, 1 = H2, 2 = H3, 190 = H4, 3 = F1, 4 = F2, 5 = F3, 149 = F4, 150 = F5, 151 = F6

Organ Section Part Upper/Lower

p: Part number, 0-1 (0: Upper, 1: Lower)

Address			Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
High	Mid	Low						
50	1p	00	1		reserved			
		01	1		reserved			
		02	1	3E – 42	Octave Shift	-2 – 0 – +2	40	
		03	1		reserved			
		04	1	00 – 7F	Drawbar 16'	0 – 127	7F	Correspondence between drawbar position and parameter value 0: 0 1: 1 - 18 2: 19 - 36 3: 37 - 54 4: 55 - 72 5: 73 - 90 6: 91 - 108 7: 109 - 126 8: 127
		05	1	00 – 7F	Drawbar 5 1/3'	0 – 127	7F	
		06	1	00 – 7F	Drawbar 8'	0 – 127	7F	
		07	1	00 – 7F	Drawbar 4'	0 – 127	00	
		08	1	00 – 7F	Drawbar 2 2/3'	0 – 127	00	
		09	1	00 – 7F	Drawbar 2'	0 – 127	00	
		0A	1	00 – 7F	Drawbar 1 3/5'	0 – 127	00	
		0B	1	00 – 7F	Drawbar 1 1/3'	0 – 127	00	
		0C	1	00 – 7F	Drawbar 1'	0 – 127	00	
		0D	1	00 – 06	Drawbar Color	1: White, 2: Red, 3: Yellow, 4: Green, 5: Cyan, 6: Blue, 7: Magenta	00	
		0E	1		reserved			
		0F	1		reserved			
		10	1		reserved			
		11	1		reserved			
		12	1	00 – 01	Vibrato/Chorus Switch	Off, On	00	*1
		13	1		reserved			

TOTAL SIZE = 20   14 (HEX)

*1: When an FM Voice (F1–F6) is selected, Upper and Lower are linked with the same setting.

Keys Sections

Key A/Key B Section

s: Section number, 0-1 (0: A, 1: B) Group Number = 7F 1C, Model ID = 09

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
60	0s	00	1	00 – 03	Current Category	Piano, E.Piano, Synth, Others	A: 00, B: 02	
		01	2	00 – 01 06 – 3F	Category 1 Voice Number	6 – 13, 145, 146, 152, 153, 189, 191 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 06	
		03	2	00 – 01 0E – 1F	Category 2 Voice Number	14 – 31, 147, 148, 157 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 0E	
		05	2	00 – 01 1E – 5A	Category 3 Voice Number	32 – 90, 158 – 188, 192 – 199 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 20	
		07	2	00 – 01 00 – 7F	Category 4 Voice Number	90 – 144, 154 – 156 1st bit6-0 → bit13-7 2nd bit6-0 → bit6-0	00 5B	
		09	1	02	Bulk Format Version	2	02	
		0A	1	00 – 01	Section Switch	Off, On	A: 01, B: 00	
		0B	1	00 – 02	Split Mode	L&R, L, R	00	
		0C	1	3E – 42	Octave Shift	-2 – 0 – +2	40	
		0D	1	01 – 7F	Pan	L63 – C – R63	40	
		0E	1	00 – 7F	Section Volume	0 – 127	7F	
		0F	1	00 – 7F	Tone	0 – 127	40	
		10	1	00 – 01	EG/Filter Select	EG, Filter	00	
		11	1	00 – 7F	EG	0 – 127	40	
		12	1	00 – 0A	EG Control	Atk&Dcy&Rls A, Atk&Dcy&Rls B, Attack, Decay, Release, Atk&Rls A, Atk&Rls B, Atk&Rls Minus, Dcy&Rls, Atk&Dcy A, Atk&Dcy B	00	
		13	1	00 – 7F	Filter	0 – 127	40	
		14	1	00 – 06	Filter Control	Flat Reso, Reso Plus, Reso Minus A, Reso Minus B, Reso Minus C, Reso Boost A, Reso Boost B	00	
		15	1	00 – 7F	Touch Sensitivity Depth	-64 – +63	40	
		16	1	00 – 7F	Touch Sensitivity Offset	-64 – +63	40	
		17	1	00 – 02	FM Unison	Off, 2 Unison, 4 Unison	00	*1
		18	1	00 – 0F	FM Detune	0 – 15	00	*1
		19	1	00 – 0F	FM Spread	0 – 15	00	*1
		1A	1		reserved			
		1B	1		reserved			
		1C	1	00 – 01	Mono/Poly	Mono, Poly	01	
		1D	1	00 – 01	Portamento Switch	Off, On	00	*2
		1E	1	00 – 7F	Portamento Time	0 – 127	40	*2
		1F	1	00 – 01	Portamento Mode	Fingered, Full-time	01	*2
		20	1	00 – 01	Portamento Time Mode	Rate, Time	00	*2
		21	1	28 – 58	Pitch Bend Range	-24 – 0 – +24	42	
		22	1	00 – 7F	Pitch Modulation Depth	0 – 127	0A	
		23	1	00 – 7F	Pitch Modulation Speed	-64 – +63	40	
		24	1	00 – 7F	Pitch Modulation Initial	0 – 127	00	
		25	1		reserved			
		26	1	00 – 01	Receive Expression	Off, On	01	
		27	1	00 – 01	Receive Sustain	Off, On	01	
		28	1	00 – 01	Receive Sostenuto	Off, On	01	
		29	1	00 – 01	Receive Soft	Off, On	01	
		2A	1	00 – 02	External Keyboard	External + Internal, External Only, Off	00	
		2B	1		reserved			
		2C	1		reserved			
		2D	1	00 – 01	Effect 1 Switch	Off, On	00	

High	Mid	Low	Size	Data Range	Parameter Name	Description	Default (HEX)	Notes
		2E	1	00 – 14, 16 – 17, 19 – 25	Effect 1 Type	*3	00	*4
		2F	1	00 – 7F	Effect 1 Depth	0 – 127	40	
		30	1	00 – 7F	Effect 1 Rate	0 – 127	40	
		31	1	00 – 01	Effect 2 Switch	Off, On	00	
		32	1	00 – 14, 16 – 17, 19 – 25	Effect 2 Type	*3	00	*4
		33	1	00 – 7F	Effect 2 Depth	0 – 127	40	
		34	1	00 – 7F	Effect 2 Speed	0 – 127	40	
		35	1		reserved			
		36	1		reserved			
		37	1		reserved			
		38	1		reserved			
		39	1	00 – 7F	Reverb Depth	0 – 127	00	

TOTAL SIZE = 58   3A (HEX)

*1: Available only when an FM Voice is selected.

*2: Available only when the Mono/Poly parameter is set to "Mono."

*3: G Chorus, SPX Chorus, Symphonic, 816 Chorus, VCM Flanger, Cross FB Flanger, VCM Stereo Phaser, Small Phaser, Max90, Dual Phaser, Tremolo, Auto Pan, Simple Rotary, British Combo, British Lead, Small Stereo, Compressor, Auto Wah, Touch Wah, Pedal Wah, Cross Delay, Digital Delay, Analog Delay, Room Reverb, Hall Reverb, Reverse Reverb, Lo-Fi, Ring Modulator, Slicer, LP Filter, Damper Resonance, Harmonic Enhancer, Tone Control, 1 Band EQ Narrow, 1 Band EQ Wide, GS1 Ensemble

*4: For the LED indication, refer to the Insertion Effect Type List in the YC88 YC73 Owner's Manual.

New Functions in YC Version 1.40

The following functions have been added to the YC88/YC73/YC61 due to the firmware version upgrade.
This manual describes additions and changes with respect to the Owner's Manual that came with your instrument.

- A new VCM Organ type has been added.
- A new setting "Live Set EQ" has been added.
- The time length for the Auto Power Off function has been changed.
- New Live Set Sounds as well as an updated Live Set Sound have been added.

A new Organ type

A new Organ type H4 has been added.
Now there are four types of VCM organs to choose from.

H1	This type faithfully reproduces a standard vintage organ. It is fit for organ solos and music in which the organ is the main instrument.
H2	This type is characterized by its deep sound with emphasis in the mid- to low-range tones. It is ideal for when you want to have an edge or presence that cuts through the rest of the band or ensemble.
H3	This type has a unique percussion sound. This type works well with the drive effects, and is suitable for playing fast passages.
H4	This type has an emphasis on the percussion and a powerful low range, making it excellent for jazz trio use.

Voice List V1.40

YC88/YC73/YC61

Section	Category	Sub Category	No.	Name	Parameter Value (*)
Organ			H4	H4	191

Additional Live Set EQ

Live Set EQ has been added to SETTINGS.
Now the Master EQ setting can be saved for each Live Set Sound.

[SETTINGS] button → "Sound" → "Function" → "Live Set EQ"

Sound

Function name				Description
Function	Transpose			Transposes the pitch in semitone steps. **Settings:** -12 – +12 **Default:** +0 **NOTE** This setting does not affect MIDI output data.
	Split Point			Determines the key position when splitting the keyboard into left hand and right hand sections. The set value becomes the lowest note of the right hand section. **Settings:** C♯-2 – G8 **Default:** G2
	Live Set EQ	Mode SW		Determines whether or not to store the Master EQ settings to the Live Set Sound. When this is set to "On," an EQ icon is displayed in the Top screen.
		EQ Settings		You can check the saved Master EQ settings in the EQ settings. You can also set the EQ using the EQ settings, as well as with the knobs and buttons.
			High Gain	For setting the gain (-12 to +12) of the high range (5 kHz). **Settings:** -12 dB – +12 dB
			Mid Gain	For setting the gain (-12 to +12) of the middle range (100 kHz to 10 kHz). **Settings:** -12 dB – +12 dB
			Mid Frequency	For setting the center frequency of the middle range. **Settings:** 100 – 10 kHz
			Low Gain	For setting the gain (-12 to +12) of the low range (80 Hz). **Settings:** -12 dB – +12 dB
			ON/OFF	Use this function to determine whether to apply the Master EQ (On) or not (Off).

Time length change for the Auto Power Off function

The time length for the Auto Power Off function that automatically turns off the instrument has been changed from 30 minutes to 15 minutes.
Also, the message "Energy consumption might increase depending on the setting" now appears when you open the Auto Power Off setting screen.

[MENU] button → "General" → "Auto Power Off" → "Enable"

New Live Set Sounds

New Live Set Sounds using the new organ type have been added.
The Live Set Sound "Jazz Lead" has been replaced by a new Live Set Sound "Soft Jazzy" that features the H4 Organ type.

Live Set Sound List V1.40

YC61

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Soft Jazzy	G2	Organ	H4	63	0	1
				Key A	-			
				Key B	-			

YC88/YC73

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	5	Soft Jazzy	G2	Organ	H4	63	0	5
				Key A	-			
				Key B	-			

YC88/YC73/YC61

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
18	1	Loudest!	G2	Organ	H4	63	17	1
				Key A	-			
				Key B	-			
18	2	Prog Organ	G2	Organ	H4	63	17	2
				Key A	-			
				Key B	-			
18	3	Detroit Organ	G2	Organ	H4	63	17	3
				Key A	-			
				Key B	-			
18	4	Ballad Organ	G2	Organ	H4	63	17	4
				Key A	-			
				Key B	-			
18	5	Gospel Layer	G2	Organ	H4	63	17	5
				Key A	CFX			
				Key B	-			
18	6	Wr-Organ	G2	Organ	H4	63	17	6
				Key A	Wr Wide			
				Key B	-			
18	7	Funky Split	G2	Organ	H4	63	17	7
				Key A	Finger Bass			
				Key B	-			
18	8	Fathoms Down	G2	Organ	H4	63	17	8
				Key A	FM Trans EDM			
				Key B	Dark Light			

New Functions in YC Version 1.30

The following functions have been added to the YC88/YC73/YC61 due to the firmware version upgrade.
This manual describes additions and changes with respect to the Owner's Manual that came with your instrument.

- A new Vibrato/Chorus effect has been added to the FM Organ Voices.
- A new Pan setting has been added to the Live Set Sound settings.
- A new function that allows simultaneous changing of parameters in the Keys Section has been added.
- A new function allows maintaining the rotation speed of the rotary speaker effect has been added.
- New Live Set Sounds have been added.
- New Voices have been added.

New Vibrato/Chorus effects for FM Organ Voices

New Vibrato/Chorus effects are now available on FM Organ types F1–F6 of the Organ section.
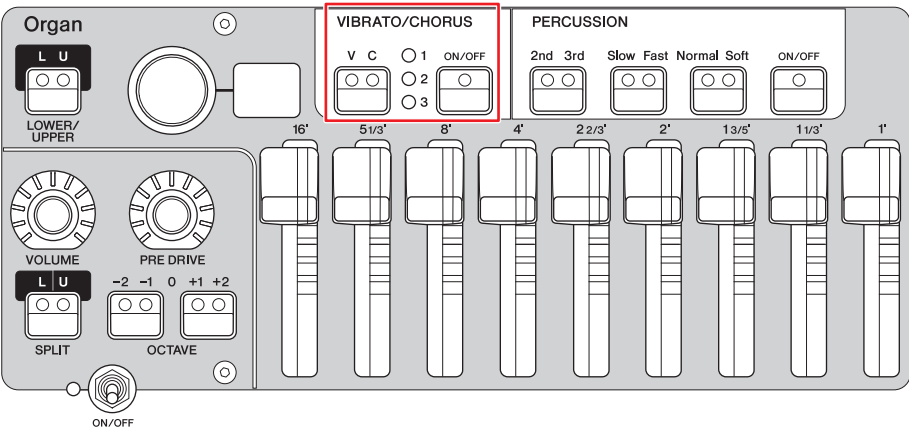
F1	VIBRATO	Vibrato from scanner-based vibrato circuitry.
	CHORUS	Chorus from scanner-based vibrato circuitry.
F2	VIBRATO	Simple pitch modulation by changing only the pitch depth.
	CHORUS	Chorus from scanner-based vibrato circuitry.
F3	VIBRATO	Vibrato that changes depth and speed.
	CHORUS	Simple amplitude modulation by changing only the volume depth.
F4	VIBRATO	Simple pitch modulation by changing only the pitch depth.
	CHORUS	Single-phase chorus that reproduces analog chorus sound.
F5	VIBRATO	Simple pitch modulation by changing only the pitch depth.
	CHORUS	Flanger that changes speed.
F6	VIBRATO	Phaser that changes speed and feedback amount.
	CHORUS	Talking modulator that changes pronunciation of vowels.

When one of the Organ types F1–F6 is selected, the On/Off values of Vibrato/Chorus for both Upper and Lower will be the same.

Additional Pan Parameter

The Pan parameter has been added to Organ Settings, Key A Settings and Key B Settings.

[SETTINGS] button → [Sound] → [Organ Settings] [Key A Settings] [Key B Settings] → [Pan]

Can be set over a range of L63 to C to R63.
With the addition of the Pan parameter, indications of "Mono/Poly" and "Portamento" have been integrated.

Comparison of old and new tree diagrams

• **V1.20**

Settings
└── Key A Settings
    ├── Mono/Poly
    ├── Portamento
    ├── FM Unison
    ├── EG/Filter Control
    ├── P.Mod
    └── Touch Sensitivity

• **V1.30**

Settings
└── Key A Settings
    ├── Mono/Portamento
    ├── FM Unison
    ├── EG/Filter Control
    ├── P.Mod
    ├── Touch Sensitivity
    └── Pan
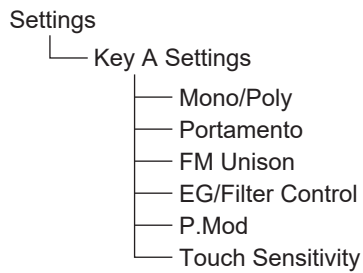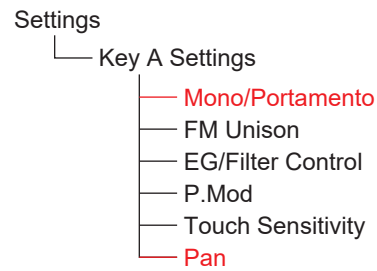
When the setting is something other than "C," a bar is displayed.
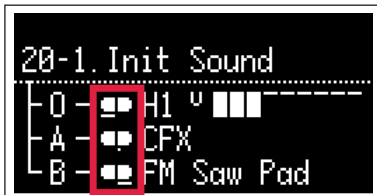
New function that enables simultaneous changing of multiple parameters in the Keys Section

The following parameters of both the Key A section and Key B section can be controlled simultaneously: Voice, Split, Octave, Volume, Tone, EG, Filter, Effect 1, and Effect 2.
When both the Key A and Key B sections are active, pressing and holding Keys [A B] button will light the lamps simultaneously and link the parameters of the Key A and Key B sections.
The LEDs will not be lit if the Key A and Key B parameter values differ.
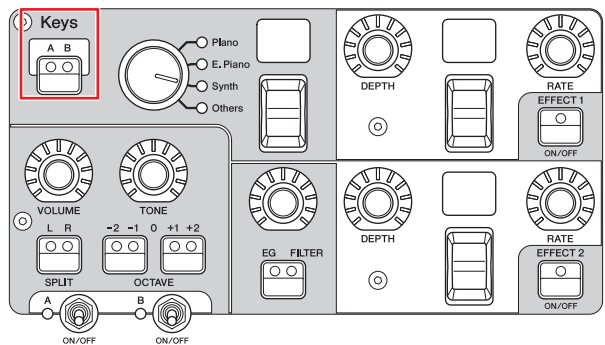
New Rotary Speaker Speed parameter in Control Panel

[MENU] button → [Control Panel] → [Rotary Speaker Speed]

When this is set to Hold, the rotation speed is maintained even if the Live Set is switched. This is useful when you want to keep the same rotation speed, even when changing the Live Set.
Set to Change if you want to play at the preset rotation speed of each newly selected Live Set.

Rotary Speaker Speed Menu

Function name	Description
Change	When switching among Live Sets, the preset rotation speed for each Live Set is applied.
Hold	Even when switching among Live Sets, the current rotation speed is maintained.

NOTE
The initial setting is Change.

New Live Set Sounds

YC88/YC73/YC61 V1.30

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
14	1	Hamburg Grand	G2	Organ	-	63	13	1
				Key A	Hamburg Grand			
				Key B	-			
14	2	Gentle Hamburg	G2	Organ	-	63	13	2
				Key A	Hamburg Grand			
				Key B	-			
14	3	Shoegaze Piano	G2	Organ	-	63	13	3
				Key A	Hamburg Grand			
				Key B	-			
14	4	Utility Felt	G2	Organ	-	63	13	4
				Key A	Felt Piano			
				Key B	-			
14	5	Funky CP	G2	Organ	-	63	13	5
				Key A	CP80 Stage			
				Key B	-			
14	6	Power Ballad CP	G2	Organ	-	63	13	6
				Key A	CP80 Stage			
				Key B	-			
14	7	Churchy FM	G2	Organ	F5	63	13	7
				Key A	-			
				Key B	-			
14	8	FM Club Organ	G2	Organ	F4	63	13	8
				Key A	-			
				Key B	-			
15	1	FM 80s Bld EP	G2	Organ	-	63	14	1
				Key A	FM 80s Bld EP			
				Key B	-			
15	2	FM Warm Pad	G2	Organ	-	63	14	2
				Key A	FM Warm Pad			
				Key B	-			
15	3	FM Club Pad	G2	Organ	-	63	14	3
				Key A	FM Club Pad			
				Key B	-			
15	4	FM Saw Lead	G2	Organ	-	63	14	4
				Key A	FM Saw Lead			
				Key B	-			
15	5	FM Trans EDM	G2	Organ	-	63	14	5
				Key A	FM Trans EDM			
				Key B	-			
15	6	FM EDM Lead	G2	Organ	-	63	14	6
				Key A	FM EDM Lead			
				Key B	-			
15	7	FM Solo Lead	G2	Organ	-	63	14	7
				Key A	FM Solo Lead			
				Key B	-			
15	8	FM 80s Disco Ba	G2	Organ	-	63	14	8
				Key A	FM 80sDiscoBa			
				Key B	-			

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
16	1	FM Y2K Bass	G2	Organ	-	63	15	1
				Key A	FM Y2K Bass			
				Key B	-			
16	2	FM Deep Bass	G2	Organ	-	63	15	2
				Key A	FM Deep Bass			
				Key B	-			
16	3	FM Chorus Bells	G2	Organ	-	63	15	3
				Key A	FM Cho Bells			
				Key B	-			
16	4	FM French Tines	G2	Organ	-	63	15	4
				Key A	FM FrnchTines			
				Key B	-			
16	5	FM Plucky SQR	G2	Organ	-	63	15	5
				Key A	FM Plucky SQR			
				Key B	-			
16	6	FM Saw Pluck	G2	Organ	-	63	15	6
				Key A	FM Saw Pluck			
				Key B	-			
16	7	FM AM Pluck	G2	Organ	-	63	15	7
				Key A	FM AM Pluck			
				Key B	-			
16	8	FM Synth Pluck	G2	Organ	-	63	15	8
				Key A	FM SynPluck			
				Key B	-			
17	1	DX7 Brass 1	G2	Organ	-	63	16	1
				Key A	DX Brass 1			
				Key B	-			
17	2	DX7 Strings 2	G2	Organ	-	63	16	2
				Key A	DX Strings 2			
				Key B	-			
17	3	DX7 E.Piano 1	G2	Organ	-	63	16	3
				Key A	DX E.Piano 1			
				Key B	-			
17	4	DX7 Guitar 1	G2	Organ	-	63	16	4
				Key A	DX Guitar 1			
				Key B	-			
17	5	DX7 E.Organ 1	G2	Organ	-	63	16	5
				Key A	DX E.Organ 1			
				Key B	-			
17	6	DX7 Marimba	G2	Organ	-	63	16	6
				Key A	DX Marimba			
				Key B	-			
17	7	DX7 Harp 2	G2	Organ	-	63	16	7
				Key A	DX Harp 2			
				Key B	-			
17	8	TX LatelyBass	G2	Organ	-	63	16	8
				Key A	TX LatelyBass			
				Key B	-			

New Voices

YC88/YC73/YC61 V1.30

Section	Category	Sub Category	No.	Name	Parameter Value(*)
Keys A/B	Piano	Grand	6	Hamburg Grand	152
		Upright	8	Felt Piano	153
		CP	11	CP80 Stage	189
	E.Piano	FM	20	FM 80s Bld EP	157
	Synth	Pad	16	FM Warm Pad	158
			17	FM Club Pad	159
		Lead	46	FM Saw Lead	160
			47	FM Trans EDM	161
			48	FM EDM Lead	162
			49	FM Solo Lead	163
		Bass	60	FM 80sDiscoBa	164
			61	FM Y2K Bass	165
			62	FM Deep Bass	166
		ChromPerc	69	FM Cho Bells	167
		Comp	70	FM FrnchTines	168
			71	FM Plucky SQR	169
			72	FM Saw Pluck	170
			73	FM AM Pluck	171
			74	FM SynPluck	172
		VintageFM	75	DX Brass 1	173
			76	DX Brass 2	174
			77	DX Brass 3	175
			78	DX Strings 2	176
			79	DX Piano 2	181
			80	DX E.Piano 1	177
			81	DX Guitar 1	178
			82	DX Guitar 2	179
			83	DX Bass 1	180
			84	DX E.Organ 1	182
			85	DX Vibe 1	183
			86	DX Marimba	184
			87	DX Flute 1	185
			88	DX Tub Bells	186
			89	DX Harp 2	187
			90	TX LatelyBass	188
	Others	Strings	9	Harp	154
		Choir	56	Choir	155
			57	Air Choir	156

New Functions in YC Version 1.20

The following functions have been added to the YC88/YC73/YC61 due to the firmware version upgrade.
This manual describes additions and changes with respect to the Owner's Manual that came with your instrument.

- A new rotary speaker effect has been added.
- New FM organ types have been added.
- A new setting "FM Color Type" has been added to the "Drawbar Color" setting.
- Three EQs have been added to the effect types.
- A new setting "Touch Sensitivity" has been added to the "SETTINGS."
- The locations in the menu of "EG Control" and "Filter Control" have been changed.
- New Live Set Sounds have been added.
- New Voices have been added.

New Rotary Speaker Effect

A new rotary speaker effect, "Studio," has been added. In addition, the conventional Rtr A and Rtr B have been renamed to "Classic" and "Overdrive," respectively.

YC88/YC73/YC61 V1.20

Effect	Explanation
Studio	Rotary speaker with three-dimensional effect and greater sense of motion.
Classic	Standard rotary speaker for organs.
Overdrive	Rotary speaker with transistor preamplifier simulation and strong distortion.

Rotary speaker effect settings

[SETTINGS] button → [Sound] → [Rotary Speaker] → [Type]

Added Rotary Speaker Type to SETTINGS.
Rotary Speaker Type can be set independently for Rtr A and Rtr B.

Rotary Speaker Type

Function name	Description
Slot A	Sets the rotary speaker effect assigned for the Rtr A type. **Settings:** Studio, Classic, Overdrive **Initial setting:** Studio
Slot B	Sets the rotary speaker effect assigned for the Rtr B type. **Settings:** Studio, Classic, Overdrive **Initial setting:** Classic

Selection of rotary speaker effects
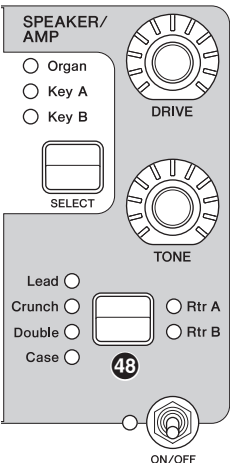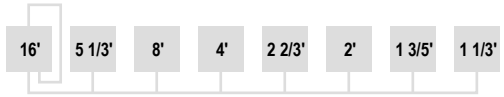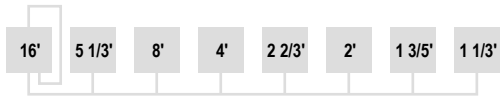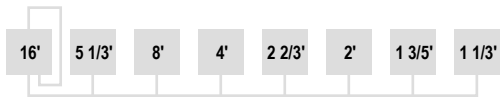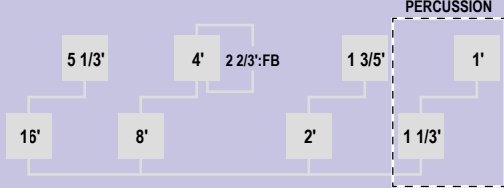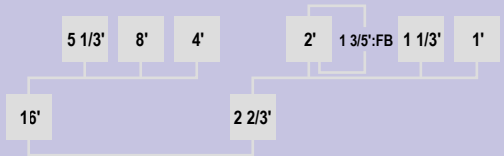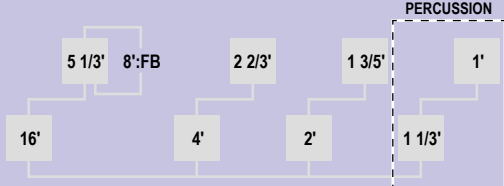
If you select Rtr A or Rtr B with the ➍➑ **Effect type switch button** in the SPEAKER/AMP section, you can apply the rotary speaker effect set in "Rotary speaker effect settings" above.

NOTE
When you select the Rtr A or Rtr B type in the SPEAKER/AMP section, you can use the [EXIT] + [TONE] knobs to directly change the "Rotary speaker effect settings" for the selected type.

New Organ Types

New FM organ types (**F4 to F6**) have been added, making now a total of six FM organ types.

F1	16'　5 1/3'　8'　4'　2 2/3'　2'　1 3/5'　1 1/3'	The pure sine wave carriers make it useful for creating sounds like a pipe organ.
F2	16'　5 1/3'　8'　4'　2 2/3'　2'　1 3/5'　1 1/3'	This type consists of all square wave carriers for the operator. Suitable for creating sounds like British transistor organs.
F3	16'　5 1/3'　8'　4'　2 2/3'　2'　1 3/5'　1 1/3'	This type consists of a sawtooth wave carrier for all operators. Suitable for creating sounds like Italian transistor organs.
F4	PERCUSSION 5 1/3'　4'　2 2/3':FB　1 3/5'　1' 16'　8'　2'　1 1/3'	This type has one modulator for each of the four carriers. Lowering the level of the modulator brings it closer to a square wave, and raising it increases the overtones like a sawtooth wave, creating an organ sound that is somewhere between the F2 and F3 types. The percussion sound can be turned on/off with the PERCUSSION button.
F5	5 1/3'　8'　4'　2'　1 3/5':FB　1 1/3'　1' 16'　2 2/3'	Two carriers each have three modulators. By raising the level of each modulator, you can create sounds with complex overtones not found in conventional organs.
F6	PERCUSSION 5 1/3'　8':FB　2 2/3'　1 3/5'　1' 16'　4'　2'　1 1/3'	This type has one modulator for each of the four carriers. Since the modulator is set to EG or LFO, increasing the level of the modulator will produce a sound with a synthesizer-like element. The percussion sound can be turned on/off with the PERCUSSION button.

NOTE

The operator numbers for each algorithm represent the corresponding drawbars. Note that for the F4 to F6 types, the numbers (feet) displayed on the drawbar do not match the pitch of the sound.

Additional Parameters for FM Organ Types

Added **FM Color Type** to SETTINGS → Drawbar Color.
The new FM Organ type drawbars add two attributes; in addition to the carriers, the modulators and feedback are also included. For these types of organs, the carrier will be the same color as the color set in Upper/Lower, but the modulators and feedback loops are divided into colors related to the carrier color.

Drawbar Color

Function name	Description
Upper	Sets the colors of the drawbar LEDs. These can be set independently for Upper and Lower.
Lower	**Settings:** White, Red, Yellow, Green, Cyan, Blue, Magenta
	Initial setting: Upper = White, Lower = Red
FM Color Type	Sets the color combination of the drawbar LEDs. It can be divided into up to 3 colors according to the attributes of carrier, modulator, and feedback.
	Settings: 1 Color: Carriers, modulators and feedback are all the same color
	2 Colors: Two different colors; one for the carriers and one for the others (modulator, feedback)
	3 Colors: Carriers, modulators and feedback are all different colors
	Initial setting: 3 Colors
	NOTE
	H type organs and F1 to F3 FM organs always have the colors set for Upper and Lower regardless of the FM Color Type.

Comparison of old and new tree diagrams

• **V1.00, V1.10**

Settings
└── Drawbar Color
    ├── Upper
    └── Lower

• **V1.20**

Settings
└── Drawbar Color
    ├── Upper
    ├── Lower
    └── FM Color Type
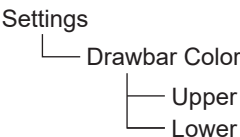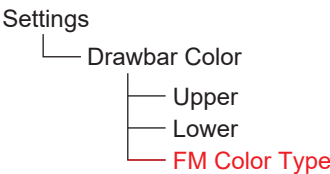
New EQ Type

YC88/YC73/YC61 V1.20

Category	Type name	Express	Description	Stereo/ Mono
EQ	Tone Control	E1	Shelving equalizer. Use the [DEPTH] knob to adjust the low band, and the [RATE] knob to adjust the high band.	Stereo
	1 Band EQ Narrow	E2	Peaking equalizer with narrow Q (bandwidth). Use the [DEPTH] knob to adjust the gain, and the [RATE] knob to adjust the center frequency.	Stereo
	1 Band EQ Wide	E3	Peaking equalizer with wide Q (bandwidth). Use the [DEPTH] knob to adjust the gain, and the [RATE] knob to adjust the center frequency.	Stereo

New Touch Sensitivity Parameter

[SETTINGS] button → [Sound] → Select the Voice section* to be set → [Touch Sensitivity]
(* Key A Settings / Key B Settings)

Touch Sensitivity has been added to SETTINGS, and can be set for the Voice sections of Key A and Key B.

Touch Sensitivity

Function name	Description
Depth	This parameter can be used to select how the velocities with which keys are played will affect the velocities actually output to the tone generator for the current Voice section. As shown in the graph below, the larger the value set, the greater the degree to which output velocities vary in response to changes in the playing velocity (i.e., the steeper the slope of the graph). If a value of 0 is set, the output velocities will be totally unaffected by different playing velocities, resulting in a response similar to that of an organ, where playing strength has practically no effect on the sound produced. **Settings:** 0 – 127 **Initial setting:** 64 When Offset (below) is set to 64: Depth=127 Depth=64 127 Velocity actually output to tone generator Depth=32 Depth=0 0 127 Velocity with which key is played
Offset	This parameter can be used to raise or lower all velocities output to the tone generator for the current Voice section. As shown in the graphs, 64 is subtracted from the value set here and the result is doubled to determine the actual amount by which the output velocities are adjusted. However, if the resultant output velocity is less than 1, a value of 1 is used; similarly, if the resultant output velocity is greater than 127, a value of 127 is used. **Settings:** 0 – 127 **Initial setting:** 64 When Depth (above) = 64 and Offset = 32 127 Velocity actually output to tone generator 0 64 127 Velocity with which key is played When Depth (above) = 64 and Offset = 96 127 Velocity actually output to tone generator 0 64 127 Velocity with which key is played When Depth (above) = 64 and Offset = 64 127 Velocity actually output to tone generator 0 64 127 Velocity with which key is played

Voice sections where Touch Sensitivity has been changed from the default are displayed with a keyboard icon.

Menu Layout Changes for EG Control and Filter Control

Comparison of old and new tree diagrams

• V1.00, V1.10

```
Settings
    └── Sound
            ├── Key A Settings
            │       ├── EG Control
            │       └── Filter Control
            │
            └── Key B Settings
                    ├── EG Control
                    └── Filter Control
```

• V1.20

```
Settings
    └── Sound
            ├── Key A Settings
            │       └── EG/Filter Control
            │               ├── EG
            │               └── Filter
            └── Key B Settings
                    └── EG/Filter Control
                            ├── EG
                            └── Filter
```
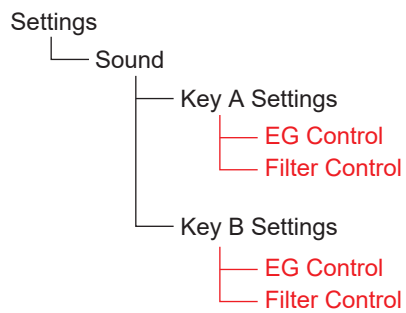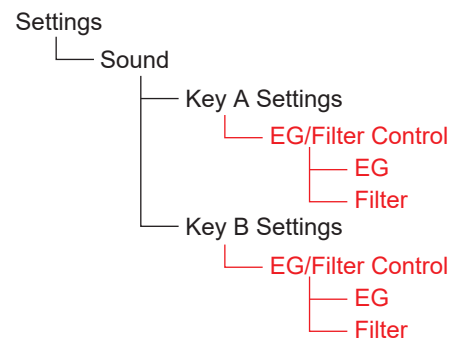
New Live Set Sounds

YC88/YC73/YC61 V1.20

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
12	1	Modern Jazz	G2	Organ	H1	63	11	1
				Key A	-			
				Key B	-			
12	2	Soft Hymn	G2	Organ	H1	63	11	2
				Key A	-			
				Key B	-			
12	3	Prog Organ	G2	Organ	H3	63	11	3
				Key A	-			
				Key B	-			
12	4	Overdriven Org	G2	Organ	H2	63	11	4
				Key A	-			
				Key B	-			
12	5	Swish Organ	G2	Organ	H1	63	11	5
				Key A	-			
				Key B	-			
12	6	FM Organ	G2	Organ	F6	63	11	6
				Key A	-			
				Key B	-			
12	7	Bell Organ	G2	Organ	F5	63	11	7
				Key A	-			
				Key B	-			
12	8	Digitorgan	G2	Organ	F4	63	11	8
				Key A	-			
				Key B	-			
13	1	Violin Layer	G2	Organ	H3	63	12	1
				Key A	Violin			
				Key B	Slow Strings			
13	2	Hollow Drawbars	C3	Organ	H1	63	12	2
				Key A	-			
				Key B	-			
13	3	Keys of Rock	G2	Organ	H3	63	12	3
				Key A	Nashville C3			
				Key B	Wr Wide			
13	4	Rotary Piano	G2	Organ	-	63	12	4
				Key A	U1			
				Key B	C7			
13	5	At the Pub	G2	Organ	F4	63	12	5
				Key A	Musette			
				Key B	-			
13	6	Hidden Door	G2	Organ	F5	63	12	6
				Key A	Digi Pad			
				Key B	Analog Pad			
13	7	Smoky Tines	G2	Organ	F4	63	12	7
				Key A	FM Jazz Gt			
				Key B	73Rd Studio			
13	8	FM Organ Pad	G2	Organ	F5	63	12	8
				Key A	Mystic Pad			
				Key B	FM Bow RM Pad			

Change Split Point for Live Set Sound

YC88/YC73 V1.20

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	5	Jazz Lead	C3	Organ	H1	63	0	5
				Key A	-			
				Key B	-			

YC61 V1.20

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Jazz Lead	C3	Organ	H1	63	0	1
				Key A	-			
				Key B	-			

New Voice

YC88/YC73/YC61 V1.20

Section	Category	Sub Category	No.	Name	Parameter Value (*)
Organ	-	-	F4	F4	149
			F5	F5	150
			F6	F6	151

New Functions in YC Version 1.10

Yamaha has upgraded the YC firmware, adding the following new functions.
This manual describes additions and changes with respect to the Owner's Manual that came with your instrument.

- The setting method of vibrato (CC#1: Modulation) has been changed.
- Operability has been improved.
- New Live Set Sounds have been added.
- New Voices have been added.

Changing the setting method of vibrato (CC#1: Modulation)

The new "P.Mod" parameter (related to pitch modulation) has been added to pitch modulation in the settings for each Sound section of the Live Set Sound.
The "Modulation Lever" parameters "P.Mod Depth" and "P.Mod Speed," originally in the "Controllers" of the Live Set Sound have been moved to "P.Mod."
"P.Mod Initial" has also been added to "P.Mod."
With the "P.Mod Initial" parameter, the amount of change in P.Mod (CC#1: Modulation) can now be set to a value other than 0 when switching Live Sets.
If you change "P.Mod Initial" to a value other than the initial value (0), the [MOD] icon will be displayed on the top screen.

Comparison of old and new tree diagrams

• V1.00

```
Settings
  └─ Controllers
       └─ Modulation Lever
            ├─ EG Control
            │    ├─ Organ
            │    ├─ Key A
            │    └─ Key B
            └─ P.Mod Speed
                 ├─ Organ
                 ├─ Key A
                 └─ Key B
```

• V1.10

```
Settings
  └─ Sound
       ├─ Organ Settings
       │    └─ P.Mod
       │         ├─ Depth
       │         ├─ Speed
       │         └─ Initial
       ├─ Key A Settings
       │    └─ P.Mod
       │         ├─ Depth
       │         ├─ Speed
       │         └─ Initial
       └─ Key B Settings
            └─ P.Mod
                 ├─ Depth
                 ├─ Speed
                 └─ Initial
```
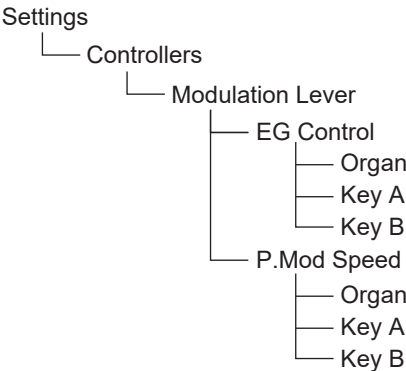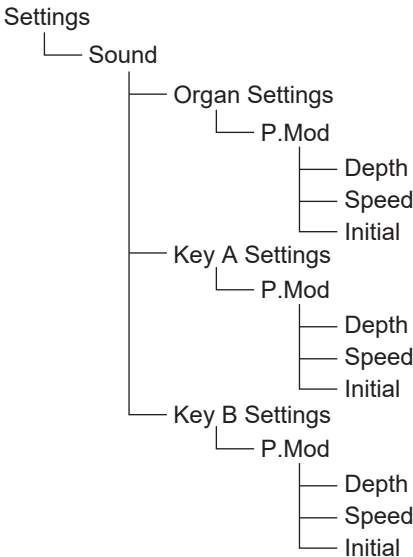
Improved operability

To call up the Voice list, press and hold or double-click the Voice select switch on the top screen.

When you press the [Enter] button on a screen showing a parameter value, the level in the hierarchy now returns to the previous one. This allows you to set other parameters continuously. Press and hold the [EXIT] button to return to the top screen.

NOTE
When you are in the MENU screen, press the [MENU] button to return to the top screen. When you are in the SETTINGS screen, press the [SETTINGS] button to return to the top screen.

Live Set Sound List

YC88 V1.0

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Natural CFX	G2	Organ	-	63	0	1
				Key A	CFX			
				Key B	-			
1	2	Soulful Rd	G2	Organ	-	63	0	2
				Key A	78Rd			
				Key B	-			
1	3	FM EP 1	G2	Organ	-	63	0	3
				Key A	FM Piano DA			
				Key B	-			
1	4	FM Lead	G2	Organ	-	63	0	4
				Key A	FM Syn Lead 2			
				Key B	-			
1	5	Jazz Lead	G2	Organ	H1	63	0	5
				Key A	-			
				Key B	-			
1	6	Rock Organ 1	G2	Organ	H2	63	0	6
				Key A	-			
				Key B	-			
1	7	Gospel Shout!	G2	Organ	H1	63	0	7
				Key A	-			
				Key B	-			
1	8	Rex Direct	G2	Organ	F2	63	0	8
				Key A	-			
				Key B	-			
2	1	One Ear Upright	G2	Organ	-	63	1	1
				Key A	U1			
				Key B	-			
2	2	67 Trem EP	G2	Organ	-	63	1	2
				Key A	67Rd Dark			
				Key B	-			
2	3	80s Piano Layer	G2	Organ	-	63	1	3
				Key A	CFX			
				Key B	FM The EP			
2	4	Fat OB Brass	G2	Organ	-	63	1	4
				Key A	OB Brass 1			
				Key B	OB Brass 2			
2	5	Jazz Swish	G2	Organ	H1	63	1	5
				Key A	-			
				Key B	-			
2	6	Prog 1	G2	Organ	H2	63	1	6
				Key A	-			
				Key B	-			
2	7	Gospel Worship	G2	Organ	H1	63	1	7
				Key A	-			
				Key B	-			
2	8	Italian Organ 1	G2	Organ	F3	63	1	8
				Key A	-			
				Key B	-			
3	1	C7 w/Pad	G2	Organ	-	63	2	1
				Key A	C7			
				Key B	Analog Pad			
3	2	Wr Trem	G2	Organ	-	63	2	2
				Key A	Wr Bright			
				Key B	-			
3	3	FM EP+Pad 1	G2	Organ	-	63	2	3
				Key A	FM The EP			
				Key B	Lite Strings			
3	4	Motion Pad	G2	Organ	-	63	2	4
				Key A	Mystic Pad			
				Key B	Analog Pad			
3	5	Squabble	G2	Organ	H1	63	2	5
				Key A	-			
				Key B	-			
3	6	Casino Fire	G2	Organ	H2	63	2	6
				Key A	-			
				Key B	-			
3	7	H Split Ld/Ba	G2	Organ	H1	63	2	7
				Key A	-			
				Key B	-			
3	8	Church	G2	Organ	F1	63	2	8
				Key A	-			
				Key B	-			

YC73 V1.0

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Soulful Rd	G2	Organ	-	63	0	1
				Key A	78Rd			
				Key B	-			
1	2	Natural CFX	G2	Organ	-	63	0	2
				Key A	CFX			
				Key B	-			
1	3	FM EP 1	G2	Organ	-	63	0	3
				Key A	FM Piano DA			
				Key B	-			
1	4	FM Lead	G2	Organ	-	63	0	4
				Key A	FM Syn Lead 2			
				Key B	-			
1	5	Jazz Lead	G2	Organ	H1	63	0	5
				Key A	-			
				Key B	-			
1	6	Rock Organ 1	G2	Organ	H2	63	0	6
				Key A	-			
				Key B	-			
1	7	Gospel Shout!	G2	Organ	H1	63	0	7
				Key A	-			
				Key B	-			
1	8	Rex Direct	G2	Organ	F2	63	0	8
				Key A	-			
				Key B	-			
2	1	67 Trem EP	G2	Organ	-	63	1	1
				Key A	67Rd Dark			
				Key B	-			
2	2	One Ear Upright	G2	Organ	-	63	1	2
				Key A	U1			
				Key B	-			
2	3	80s Piano Layer	G2	Organ	-	63	1	3
				Key A	CFX			
				Key B	FM The EP			
2	4	Fat OB Brass	G2	Organ	-	63	1	4
				Key A	OB Brass 1			
				Key B	OB Brass 2			
2	5	Jazz Swish	G2	Organ	H1	63	1	5
				Key A	-			
				Key B	-			
2	6	Prog 1	G2	Organ	H2	63	1	6
				Key A	-			
				Key B	-			
2	7	Gospel Worship	G2	Organ	H1	63	1	7
				Key A	-			
				Key B	-			
2	8	Italian Organ 1	G2	Organ	F3	63	1	8
				Key A	-			
				Key B	-			
3	1	Wr Trem	G2	Organ	-	63	2	1
				Key A	Wr Bright			
				Key B	-			
3	2	C7 w/Pad	G2	Organ	-	63	2	2
				Key A	C7			
				Key B	Analog Pad			
3	3	FM EP+Pad 1	G2	Organ	-	63	2	3
				Key A	FM The EP			
				Key B	Lite Strings			
3	4	Motion Pad	G2	Organ	-	63	2	4
				Key A	Mystic Pad			
				Key B	Analog Pad			
3	5	Squabble	G2	Organ	H1	63	2	5
				Key A	-			
				Key B	-			
3	6	Casino Fire	G2	Organ	H2	63	2	6
				Key A	-			
				Key B	-			
3	7	H Split Ld/Ba	G2	Organ	H1	63	2	7
				Key A	-			
				Key B	-			
3	8	Church	G2	Organ	F1	63	2	8
				Key A	-			
				Key B	-			

YC61 V1.0

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
1	1	Jazz Lead	G2	Organ	H1	63	0	1
				Key A	-			
				Key B	-			
1	2	Rock Organ 1	G2	Organ	H2	63	0	2
				Key A	-			
				Key B	-			
1	3	Gospel Shout!	G2	Organ	H1	63	0	3
				Key A	-			
				Key B	-			
1	4	Rex Direct	G2	Organ	F2	63	0	4
				Key A	-			
				Key B	-			
1	5	Soulful Rd	G2	Organ	-	63	0	5
				Key A	78Rd			
				Key B	-			
1	6	Natural CFX	G2	Organ	-	63	0	6
				Key A	CFX			
				Key B	-			
1	7	FM EP 1	G2	Organ	-	63	0	7
				Key A	FM Piano DA			
				Key B	-			
1	8	FM Lead	G2	Organ	-	63	0	8
				Key A	FM Syn Lead 2			
				Key B	-			
2	1	Jazz Swish	G2	Organ	H1	63	1	1
				Key A	-			
				Key B	-			
2	2	Prog 1	G2	Organ	H2	63	1	2
				Key A	-			
				Key B	-			
2	3	Gospel Worship	G2	Organ	H1	63	1	3
				Key A	-			
				Key B	-			
2	4	Italian Organ 1	G2	Organ	F3	63	1	4
				Key A	-			
				Key B	-			
2	5	67 Trem EP	G2	Organ	-	63	1	5
				Key A	67Rd Dark			
				Key B	-			
2	6	One Ear Upright	G2	Organ	-	63	1	6
				Key A	U1			
				Key B	-			
2	7	80s Piano Layer	G2	Organ	-	63	1	7
				Key A	CFX			
				Key B	FM The EP			
2	8	Fat OB Brass	G2	Organ	-	63	1	8
				Key A	OB Brass 1			
				Key B	OB Brass 2			
3	1	Squabble	G2	Organ	H1	63	2	1
				Key A	-			
				Key B	-			
3	2	Casino Fire	G2	Organ	H2	63	2	2
				Key A	-			
				Key B	-			
3	3	H Split Ld/Ba	G2	Organ	H1	63	2	3
				Key A	-			
				Key B	-			
3	4	Church	G2	Organ	F1	63	2	4
				Key A	-			
				Key B	-			
3	5	Wr Trem	G2	Organ	-	63	2	5
				Key A	Wr Bright			
				Key B	-			
3	6	C7 w/Pad	G2	Organ	-	63	2	6
				Key A	C7			
				Key B	Analog Pad			
3	7	FM EP+Pad 1	G2	Organ	-	63	2	7
				Key A	FM The EP			
				Key B	Lite Strings			
3	8	Motion Pad	G2	Organ	-	63	2	8
				Key A	Mystic Pad			
				Key B	Analog Pad			

YC88/YC73/YC61 V1.0

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
4	1	Clean Amp	G2	Organ	H3	63	3	1
				Key A	-			
				Key B	-			
4	2	H Split Ld/Chd	C3	Organ	H1	63	3	2
				Key A	-			
				Key B	-			
4	3	F1 Jazz	G2	Organ	F1	63	3	3
				Key A	-			
				Key B	-			
4	4	Rex Rotary	G2	Organ	F2	63	3	4
				Key A	-			
				Key B	-			
4	5	Rex Amp	G2	Organ	F2	63	3	5
				Key A	-			
				Key B	-			
4	6	Italian Organ 2	G2	Organ	F3	63	3	6
				Key A	-			
				Key B	-			
4	7	Italian Organ 3	G2	Organ	F3	63	3	7
				Key A	-			
				Key B	-			
4	8	F2 / RdBa	G2	Organ	F2	63	3	8
				Key A	78Rd			
				Key B	-			
5	1	CFX Bright	G2	Organ	-	63	4	1
				Key A	CFX			
				Key B	-			
5	2	C7	G2	Organ	-	63	4	2
				Key A	C7			
				Key B	-			
5	3	70's C7	G2	Organ	-	63	4	3
				Key A	C7			
				Key B	-			
5	4	Showbiz Upright	G2	Organ	-	63	4	4
				Key A	U1			
				Key B	-			
5	5	AP+Strings	G2	Organ	-	63	4	5
				Key A	CFX			
				Key B	Fast Strings			
5	6	Bass Stays Home	G2	Organ	-	63	4	6
				Key A	Upright Bass			
				Key B	C7			
5	7	78Rd Chorus	G2	Organ	-	63	4	7
				Key A	78Rd			
				Key B	-			
5	8	67Rd Overdrive	G2	Organ	-	63	4	8
				Key A	67Rd Bright			
				Key B	-			
6	1	Wr Dist	G2	Organ	-	63	5	1
				Key A	Wr Warm			
				Key B	-			
6	2	FM EP 2	G2	Organ	-	63	5	2
				Key A	FM The EP			
				Key B	-			
6	3	FM EP 3	G2	Organ	-	63	5	3
				Key A	FM Pf's Heart			
				Key B	-			
6	4	FM EP 4	G2	Organ	-	63	5	4
				Key A	FM Urban EP			
				Key B	FM DX EP			
6	5	FM EP 5	G2	Organ	-	63	5	5
				Key A	FM The EP			
				Key B	FM DX Road			
6	6	Magic Piano	G2	Organ	-	63	5	6
				Key A	67Rd Dark			
				Key B	FM Pf's Heart			
6	7	80s Soundtrack	G2	Organ	-	63	5	7
				Key A	78Rd			
				Key B	Analog Pad			
6	8	FM EP+Pad 2	G2	Organ	-	63	5	8
				Key A	FM Pf's Heart			
				Key B	Analog Pad			
7	1	Swell Backgrnd	C3	Organ	-	63	6	1
				Key A	FM Saw Pad			
				Key B	67Rd Dark			
7	2	Bass and 73Rd	G2	Organ	-	63	6	2
				Key A	Finger Bass			
				Key B	73Rd			
7	3	Analog Pad	G2	Organ	-	63	6	3
				Key A	Analog Pad			
				Key B	Noble Pad			
7	4	Fat Pad	G2	Organ	-	63	6	4
				Key A	JP Strings			
				Key B	Analog Pad			
7	5	Massive FM	G2	Organ	-	63	6	5
				Key A	FM Saw Pad			
				Key B	FM BellSquare			
7	6	Smooth Strings	G2	Organ	-	63	6	6
				Key A	FM Syn Str			
				Key B	JP Strings			
7	7	Stringy Octaves	G2	Organ	-	63	6	7
				Key A	Oct Syn Str			
				Key B	Unison Str			
7	8	Synth Brass	G2	Organ	-	63	6	8
				Key A	Synth Brass 1			
				Key B	Synth Brass 4			
8	1	Analog Lead	G2	Organ	-	63	7	1
				Key A	Classic Mini			
				Key B	-			
8	2	Expressive Lead	G2	Organ	-	63	7	2
				Key A	Sine Lead			
				Key B	Classic Mini			
8	3	Monster Lead	G2	Organ	-	63	7	3
				Key A	FM Syn Lead 1			
				Key B	FM Syn Lead 2			
8	4	Ep/Lead Split 1	G2	Organ	-	63	7	4
				Key A	73Rd			
				Key B	Soft Square			
8	5	Ep/Lead Split 2	G2	Organ	-	63	7	5
				Key A	FM DX EP			
				Key B	Mini Lead			
8	6	Pad/Lead	G2	Organ	-	63	7	6
				Key A	Analog Pad			
				Key B	Funky Mini			
8	7	Icy Split	C3	Organ	-	63	7	7
				Key A	Digi Pad			
				Key B	Mini Lead			
8	8	Sticky Bass	G2	Organ	-	63	7	8
				Key A	1o1 Bass			
				Key B	Analog Bass			
9	1	Aggressive Bass	G2	Organ	-	63	8	1
				Key A	1o1 Bass			
				Key B	Analog Bass			
9	2	Dual Bass	G2	Organ	-	63	8	2
				Key A	FM Saw Pad			
				Key B	Unison Bass			
9	3	FM Harmonic Ba	G2	Organ	-	63	8	3
				Key A	Mini Sub Bass			
				Key B	FM Tear Bass			
9	4	Syn Bell 1	G2	Organ	-	63	8	4
				Key A	Heaven Bell			
				Key B	-			
9	5	Syn Bell 2	G2	Organ	-	63	8	5
				Key A	Far Away FM			
				Key B	-			
9	6	Concerto Goldo	G2	Organ	-	63	8	6
				Key A	Slow Strings			
				Key B	Violin			
9	7	String Ensemble	G2	Organ	-	63	8	7
				Key A	Fast Strings			
				Key B	Violin			
9	8	Big Fanfare	G2	Organ	-	63	8	8
				Key A	Marcato Str			
				Key B	Brass 3			

Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
10	1	Classic Gt.	G2	Organ	-	63	9	1
				Key A	Classic Gt			
				Key B	-			
10	2	Steel Gt.	G2	Organ	-	63	9	2
				Key A	Steel Gt			
				Key B	-			
10	3	Clean Gt.	G2	Organ	-	63	9	3
				Key A	Clean Gt 1			
				Key B	-			
10	4	Brass Section	G2	Organ	-	63	9	4
				Key A	Brass 1			
				Key B	-			
10	5	Brass w/Sax	G2	Organ	-	63	9	5
				Key A	Brass 1			
				Key B	Brass 2			
10	6	Upright Bass	G2	Organ	-	63	9	6
				Key A	Upright Bass			
				Key B	-			
10	7	Fingered Bass	G2	Organ	-	63	9	7
				Key A	Finger Bass			
				Key B	-			
10	8	Slap Bass	G2	Organ	-	63	9	8
				Key A	Slap Bass			
				Key B	-			

Additional new Live Set Sounds

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Page	No	Name	Split Point	Section	Voice Name	MSB	LSB	PC
11	1	Nashville C3	G2	Organ	-	63	10	1
				Key A	Nashville C3			
				Key B	-			
11	2	Early 80s Layer	G2	Organ	-	63	10	2
				Key A	Nashville C3			
				Key B	74Rd Stage			
11	3	Live CF3	G2	Organ	-	63	10	3
				Key A	Live CF3			
				Key B	-			
11	4	BigCF+Pad	G2	Organ	-	63	10	4
				Key A	Live CF3			
				Key B	Analog Pad			
11	5	73Rd Studio	G2	Organ	-	63	10	5
				Key A	73Rd Studio			
				Key B	-			
11	6	Ballad Rd Layer	G2	Organ	-	63	10	6
				Key A	73Rd Studio			
				Key B	FM Pf's Heart			
11	7	74Rd Stage	G2	Organ	-	63	10	7
				Key A	74Rd Stage			
				Key B	-			
11	8	Rotating EP	G2	Organ	-	63	10	8
				Key A	74Rd Stage			
				Key B	-			

Voice List

YC88/YC73/YC61 V1.0

Section	Category	Sub Category	No.	Name	Parameter Value (*)
Organ	-	-	H1	H1	0
			H2	H2	1
			H3	H3	2
			F1	F1	3
			F2	F2	4
			F3	F3	5
Keys A/B	Piano	Grand	01	CFX	6
			02	S700	7
			03	C7	8
		Upright	06	U1	9
		CP	07	CP80 1	10
			08	CP80 2	11
		Layer	09	Piano Strings	12
			10	Piano Synth	13
	E.Piano	Rd	01	78Rd	14
			02	75Rd Funky	15
			03	73Rd	16
			04	67Rd Dark	17
			05	67Rd Bright	18
		Wr	08	Wr Warm	19
			09	Wr Bright	20
			10	Wr Wide	21
		Clavi	11	Clavi B	22
			12	Clavi S	23
			13	Harpsichord	24
		FM	14	FM Piano DA	25
			15	FM DX Road	26
			16	FM The EP	27
			17	FM DX EP	28
			18	FM Pf's Heart	29
			19	FM Urban EP	30
			20	FM PowerClavi	31
	Synth	Pad	01	FM Saw Pad	32
			02	Analog Pad	33
			03	Dark Light	34
			04	Digi Pad	35
			05	Noble Pad	36
			06	Pop Pad	37
			07	Fat Saw	38
			08	Angel Pad	39
			09	FM BellSquare	40
			10	FM Cloud Pad	41
			11	FM Bow RM Pad	42
			12	Itopia	43
			13	Mystic Pad	44
			14	Nowhere	45
			15	FM Choir	46
			16	Lite Strings	47
		Strings	17	JP Strings	48
			18	FM Syn Str	49
			19	Pop Syn Str	50
			20	Unison Str	51
			21	Oct Syn Str	52
		Brass	22	Synth Brass 1	53
			23	Synth Brass 2	54
			24	Synth Brass 3	55
			25	Synth Brass 4	56
			26	OB Brass 1	57
			27	OB Brass 2	58
			28	OB Brass 3	59
			29	FM Brass	60
			30	FM Brass Ens	61
		Lead	31	FM Syn Lead 1	62
			32	FM Syn Lead 2	63
			33	Classic Mini	64

Section	Category	Sub Category	No.	Name	Parameter Value (*)
Keys A/B	Synth	Lead	34	Mini Lead	65
			35	Funky Mini	66
			36	Sine Lead	67
			37	Square Lead	68
			38	Soft Square	69
			39	Dirty Hook	70
			40	Sync Saw Lead	71
			41	Nu Mini	72
			42	5th Lead	73
			43	Calliope Lead	74
		Bass	44	Mini Sub Bass	75
			45	Analog Bass	76
			46	1o1 Bass	77
			47	Synth Bass	78
			48	FM Tear Bass	79
			49	FM DX E.Bass	80
			50	FM BoogieBass	81
			51	FM SuperBass	82
			52	Unison Bass	83
			53	FM Owl Bass	84
		ChromPerc	54	FM Glocken	85
			55	FM Far Away	86
			56	Digi Bell	87
			57	FM Brite Comp	88
			58	Heaven Bell	89
			59	FM Tblr Bells	90
	Others	Strings	01	Slow Strings	91
			02	Marcato Str	92
			03	Fast Strings	93
			04	Tremolo Str	94
			05	Pizzicato	95
			06	Tape Strings	96
			07	Violin	97
			08	Cello	98
		Guitar	09	Classic Gt	99
			10	Steel Gt	100
			11	12Strings Gt	101
			12	FM Jazz Gt	102
			13	Clean Gt 1	103
			14	Clean Gt 2	104
			15	Clean Gt 3	105
			16	Banjo	106
			17	Sitar	107
			18	Shamisen	108
			19	Koto	109
		Brass	20	Brass 1	110
			21	Brass 2	111
			22	Brass 3	112
			23	Sf. Brass	113
			24	Trumpet	114
			25	Trombone	115
			26	Horn 1	116
			27	Horn 2	117
		Sax / Winds	28	Sax Section 1	118
			29	Sax Section 2	119
			30	Soprano Sax	120
			31	Alto Sax	121
			32	Tenor Sax	122
			33	Baritone Sax	123
			34	Jazz Flute	124
			35	Alto Flute	125
			36	Tape Flute	126
			37	Harmonica	127
			38	FM Harmonica	128
			39	Pan Flute	129

Section	Category	Sub Category	No.	Name	Parameter Value (*)
Keys A/B	Others	Sax / Winds	40	Bag Pipe	130
			41	Shakuhachi	131
		Bass	42	Upright Bass	132
			43	Finger Bass	133
			44	Pick Bass	134
			45	Fretless Bass	135
			46	Slap Bass	136
		ChromPerc	47	Glocken	137
			48	Jazz Vibes	138
			49	Marimba	139
			50	Xylophone	140
			51	Tubular Bell	141
			52	Kalimba	142
		Others	53	Accordion	143
			54	Musette	144

Additional new Voices

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Section	Category	Sub Category	No.	Name	Parameter Value (*)
Keys A/B	Piano	Grand	04	Nashville C3	145
			05	Live CF3	146
	E.Piano	Rd	06	73Rd Studio	147
			07	74Rd Stage	148

*This is the number used for the "Voice Number" parameters.