



YC-3B Owner's Manual

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This owner's manual assumes that you are already familiar with basic Windows/Mac operations. If you are not, please refer to the owner's manual which came with your Windows/Mac software before using the YC-3B.

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What is the YC-3B?

YC-3B is a VST Instrument which reproduces tone wheel organ sounds. The YC-3B contains 64 different preset sound programs and lets you create your original organ sounds from these preset sound programs. Also you can save your original organ sounds as VST presets.

YC-3B window

Voice window



1 Preset

This box lets you select the preset sound in the YC-3B. Click the icon (▲▼) at right of this box, then select the preset sound. The name of the selected preset will be shown in this box.

NOTE You cannot save the edited sound from the Preset box.

2 [Voice]/[Effect] buttons

These buttons switch the window between Voice and Effect. Clicking [Voice] calls up the Voice window while clicking [Effect] calls up the Effect window. The yellow colored button indicates the currently selected window.

3 Master Volume knob

Controls the entire volume of the YC-3B.

4 Rotary

The lower lever alternates the Rotary Speaker status between "Run" and "Stop." When you set this lever from "Stop" to "Run," the speaker rotation speed will increase gradually until it reaches the specified value. When you set this lever from "Run" to "Stop," the speaker rotation speed will decrease gradually until it reaches 0. The upper lever changes the speaker rotation speed between "Slow" and "Fast."

5 Expression slider

Controls the expression volume. The higher the slider setting, the larger the volume, and vice versa.

6 Noise, Response, Key On Click, Key Off Click

Noise knob	Adjusts the tone wheel noise level.
Response knob	Adjusts the attack speed when pressing the key and the decay speed when releasing the key. Turning this knob to the left will decrease the speed while turning it to the right will increase the speed.
Key On Click knob	Adjusts the level of the click noise generated by pressing the key.
Key Off Click knob	Adjusts the level of the click noise generated by releasing the key.

7 Cho/Vib

Sets the Chorus or Vibrato effect. The button on the left side will turn this effect on/off and you can click the desired button from six variations (upper [1] – [3] and lower [1] – [3]).

8 Percussion

Determines the attack sound at the key-on timing. Clicking the button on the left side will turn this effect on/off.

Each/First select switch	When “Each” is selected, a new AEG is generated independently every time you press the key. This means that each key-on produces a new percussion sound with the same level as that of the first one. When “First” is selected, the AEG is generated via only the first key-on and this AEG will be maintained until you release all the keys. This means that a new key-on (after you release all other keys) produces a percussion sound with the AEG level at the new key-on timing.
Length	Adjusts the decay time of the percussion sound. Turning this knob to the left will decrease the time while turning it to the right will increase the time.

9 On (Linked)

Determines whether Bar 1' is disabled or not when Percussion is turned On. If this switch is turned On (lit), Bar 1' will be disabled, and vice versa.

10 Percussion bars

Each of these three bars lets you edit the percussion sound level for each footage. The longer the bar or the further it is “pulled out,” the louder the level.

By adjusting each footage, you can create your desired or favorite percussion sound.

11 16', 5 1/3', 8', 4', 2 2/3', 2', 1 3/5', 1 1/3', 1' bar

Each of these nine bars lets you edit the Organ sound level for each footage. The longer the bar or the further it is “pulled out,” the louder the level.

By adjusting each footage, you can create your desired or favorite Organ sound.

Effect window



- ❶ Preset
- ❷ [Voice] button/[Effect] button
- ❸ Master Volume knob

These are same as in the Voice window.

❹ Distortion

Sets the Distortion effect. The button at the top will turn on/off this effect.

Volume knob	Adjusts the output level of the Distortion.
Drive knob	Adjusts the amount of Distortion. Turning this knob to the right will increase the Distortion amount, and vice versa.
Treble knob	Adjusts the Treble gain of the Distortion.
Bass knob	Adjusts the Bass gain of the Distortion.

❺ Rotary

Sets the Rotary Speaker effect. The button at the left top will turn this effect on/off.

Slow/Fast switch Stop/Run switch	These switches are the same as in the Voice window. See page 2 .
Mic Angle knob	Adjusts the angle of the virtual microphones at both the right and left sides of the speaker. Turning this knob to the right will increase the angle, meaning that the output sound moves widely between left and right.
R/H Balance knob	Adjusts the volume balance between the rotor section (bass) and the horn section (treble) of the rotary speaker. Setting this knob to the center will make both the levels equal. Turning this knob to the right will increase the horn level and decrease the rotor level, and vice versa. Turning this knob all the way right will produce only the horn sound, while turning it all the way to the left will produce only the rotor sound.

Horn/Rotor setup

Speed Slow knob	Adjusts the Rotary Speaker speed for the “Slow” setting. Turning this knob to the right will increase the speed, and vice versa.
Speed Fast knob	Adjusts the Rotary Speaker speed for the “Fast” setting. Turning this knob to the right will increase the speed, and vice versa.
Slow-Fast Time knob	Adjusts the time that the effect takes to reach the target speed when you alternate the Fast/Slow status or the Run/Stop status. Turning this knob to the left will decrease the speed, and vice versa.
Drive knob	Adjusts the degree to which the Rotary Speaker modulates the sound. Turning this knob to the right will increase the degree, and vice versa.

6 Reverb

Sets the Reverb effect. The button at the top will turn this effect on/off.

Room/Plate switch	Changes the Reverb type to Room or Plate.
Level knob	Adjusts the Reverb level. Turning this knob to the right will increase the depth, and vice versa.
Time knob	Adjusts the Reverb time. Turning this knob to the right will increase the time, and vice versa.

Parameter Chart

Yes: Automation available
No: Automation not available

		Parameter	Automation	MIDI CC#	
		Preset	No	—	
		Master Volume	Yes	7	
		Expression	Yes	11	
Organ	Tone	1'	Yes	78	
		1 1/3'	Yes	77	
		1 3/5'	Yes	76	
		2'	Yes	75	
		2 2/3'	Yes	74	
		4'	Yes	73	
		8'	Yes	72	
		5 1/3'	Yes	71	
		16'	Yes	70	
		Response	Yes	—	
		Noise	Yes	85	
		Key On Click	Yes	86	
		Key Off Click	Yes	87	
		Percussion	Percussion	Yes	80
			Length	Yes	—
			Mode	Yes	—
			Link to 1'	Yes	—
			Perc 2'	Yes	81
			Perc 2 2/3'	Yes	82
			Perc 4'	Yes	83
	Chorus/Vibrato	Cho/Vib	Yes	93	
		Cho/Vib Type	Yes	92	
Distortion		Distortion	Yes	—	
		Dist Drive	Yes	94	
		Dist Volume	Yes	—	
		Dist Bass	Yes	—	
		Dist Treble	Yes	—	
Rotary		Rotary	Yes	95	
		R. Speed Slow	Yes	—	
		R. Speed Fast	Yes	—	
		R. SlowFast Time	Yes	—	
		R. Drive	Yes	—	
		H. Speed Slow	Yes	—	
		H. Speed Fast	Yes	—	
		H. SlowFast Time	Yes	—	
		H. Drive	Yes	—	
		R/H Balance	Yes	—	
		Mic Angle	Yes	—	
		Slow/Fast	Yes	1	
		Stop/Run	Yes	—	
Reverb		Reverb	Yes	—	
		Rev Type	No	—	
		Rev Level	Yes	91	
		Rev Time	Yes	—	