

# Notice of Added Functionality (Ver.1.2)

\* Updating this unit to version 1.2 initializes the memory and erases all settings. Write down or otherwise make a note of your settings before you upgrade.

## Added Functionality

### Remote control via a USB numeric keypad supported

You can now use a standard USB numeric keypad to switch between channels or ROI (Region of Interest) settings. See "USB Numeric Keypad Remote" for details.

### Test pattern scroll function added

Here are the settings for the scrolling speed.

Setup Menu → Root "Input" → "Pattern Generator" → "Motion"

Value	Explanation
Disabled	Does not scroll.
Slow	Scrolls slowly.
Fast	Scrolls rapidly.

These settings are for drawing the box that moves on top of the test pattern.

Setup Menu → Root "Input" → "Pattern Generator" → "Box"

Value	Explanation
Disabled	No box is drawn.
Black, White, Red, Green, Blue, Yellow, Cyan, Magenta	A box is drawn in the corresponding color.

\* The Status menu "Test Pattern/Tone" settings are the same.

### Function added for checking the input/output status while panel is locked

You can now press the [ENTER] or [EXIT] button while the panel is locked to view the input/output status. Pressing the button again turns the screen off.

\* To release the locked state, hold down the [ENTER] or [EXIT] button as with the previous version.

### EDID added and HDR input supported

Setup Menu → Root "Input" → "HDMI" → "EDID"

Value	Value	Value
1080/100p * added	2560x1440/60 Hz (RB)	1920x1080/240 Hz (RB)
1080/119.88p, 120p	1920x1080/120 Hz (RB)	(556.8 MHz)
1080/200p * added	1920x1080/144 Hz (RB)	1920x1080/240 Hz (RB)
1080/239.76p, 240p	(346.5 MHz)	(567 MHz)
1920x1200/60 Hz (RB)		

### 180°/270° rotation supported

Setup Menu → Root "Processing" → "Main Processing" → "Rotation"

Value	Value
Disabled	90 deg. / 180 deg. / 270 deg.

\* As with the previous version, video can be rotated 180° or 270° by combining flip and rotation. With this update, you can now combine these settings to flip and rotate all at once.

### HDMI YCbCr4: 2: 2 10-bit output supported

Setup Menu → Root "Output" → "HDMI" → "Color Space"

Value	Explanation
Auto	Sets the color space automatically.
YUV422/12	Outputs using YUV422, 12-bit. 10-bit internal processing is used.
YUV444/8	Outputs using YUV444, 8-bit.
RGB Full	Outputs using full-range RGB, 8-bit.
RGB Limit	Outputs using limited-range RGB, 8-bit.

## USB Numeric Keypad Remote

This new version lets you use a standard USB numeric keypad to switch between channels or ROI settings.

In addition to USB numeric keypads or standard USB keyboards, you can use a wireless keyboard, a custom-built controller or any other device that can output number and cursor keystrokes to control this unit. All you need to do is connect the device and it is automatically recognized—no need to make any special settings.

\* This functionality was tested at Roland using the Logitech K270. Note that we do not guarantee that this works with every keyboard or numeric keypad.

### Example of use: Using the VC-100UHD as a remote camera

You can use a USB numeric keypad to freely extract shots from the video taken by a single mounted 4K camera. You can also register the shots you've extracted as channels and instantly recall them using the USB numeric keypad.

This differs from a typical remote camera, in that you don't need to take time to change the camera position—with the same source, you can switch seamlessly cut between scenes and use the USB numeric keypad like a switcher.

### Channel switching using the number keys

Key	Function	Target parameters
1	Switch to CH1	Root "Processing" → "Input" → "Channel" = CH.1
2	Switch to CH2	Root "Processing" → "Input" → "Channel" = CH.2
3	Switch to CH3	Root "Processing" → "Input" → "Channel" = CH.3
4	Switch to CH4	Root "Processing" → "Input" → "Channel" = CH.4
5	Switch to CH5	Root "Processing" → "Input" → "Channel" = CH.5
6	Switch to CH6	Root "Processing" → "Input" → "Channel" = CH.6
7	Switch to CH7	Root "Processing" → "Input" → "Channel" = CH.7
8	Switch to CH8	Root "Processing" → "Input" → "Channel" = CH.8

### Position adjustment using the cursor keys

Key	Function	Target parameters
-	Zoom out	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Size" → "Zoom" (minus)
+	Zoom in	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Size" → "Zoom" (plus)
←	Adjust horizontal position	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Position" → "H" (plus)
→	Adjust horizontal position	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Position" → "H" (minus)
↑	Adjust vertical position	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Position" → "V" (plus)
↓	Adjust vertical position	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Position" → "V" (minus)
Enter	By performing one of the above operations while holding this key down, the value changes in larger (x10) increments.	
0	Reset size/position adjustment	Root "Channel [CH]" → "Main Processing" → "Scaling" → "Size" = 100.0% Root "Channel [CH]" → "Main Processing" → "Scaling" → "Position" → "H/V" = 0

\* [CH] indicates the selected channel.

\* When using a USB numeric keypad, cursor keys are output when NumLock (numeric lock) is turned off.

## Resolved Issues

- The incorrect operation that occurred with the Copy Settings function has been fixed.
- The issue with the overload indicator (0 db) not displaying on the sound level meter has been fixed.
- The issue with HDMI 4K YCbCr4: 2: 0 video not inputting has been fixed.
- The issue with HDMI 4K YCbCr4: 2: 2 (10-bit) video input not being processed correctly has been fixed.