

# CONTROL SURFACE V-1200HDR



Owner's Manual

Ver. 1.2 and After

## Owner's Manual (this document)

Read this first. It explains the basic things you need to know in order to use the V-1200HDR.

## PDF Manual (download from the Web)

- **V-1200HDR / V-1200HD RCS Remote Control Guide**  
This describes in detail the operation methods and settings when using this unit or V-1200HD RCS remote-control software to control a V-1200HD.

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## To obtain the PDF manual

1. Enter the following URL in your computer.  
<http://proav.roland.com>



2. Go to the V-1200HDR product page and click the "Support" tab.

Before using the V-1200HDR, ensure that its system program is at the most recent version. For information on available upgrades for the system program, see the Roland website (<http://proav.roland.com>).

You can check the version of the system program by going to the ROOT MENU screen and selecting CONTROL SURFACE <SETUP> → "VERSION."

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Before using this unit, carefully read "USING THE UNIT SAFELY" (p. 3) and "IMPORTANT NOTES" (p. 5). After reading, keep the document(s) including those sections where it will be available for immediate reference.

## Getting Started

Thank you, and congratulations on your choice of the V-1200HDR Control Surface ("this unit").

This unit is a dedicated controller for the V-1200HD multi-format video switcher. Connecting the unit to a V-1200HD using an Ethernet cable lets you control the operation of the V-1200HD from the unit.

\* Use a Cat5e or higher shielded Ethernet cable for connection. Crossover cables and straight cables are both supported.

## Conventions in this manual

In order to explain the operations as clearly as possible, this manual uses the following conventions.

- Text enclosed in square brackets [ ] indicates the name of a button or a knob, such as the [AUTO] button, [VALUE] knob.
- Text enclosed in angle brackets < > indicates the name of a button that appears in the screen, such as <VIDEO>.
- Touching the monitor with your finger is referred to as "tapping."

## Checking the Included Items

The following items are included with this unit. Check to make sure that all items are present. If anything is missing, contact your dealer.

The unit

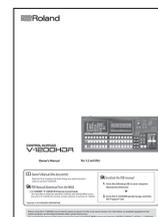


AC adaptor/Power cord



\* The shape of the power cord's plug varies depending on the country.

Owner's Manual



# USING THE UNIT SAFELY

## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

### About ⚠ WARNING and ⚠ CAUTION Notices

 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 <b>CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

### About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⚡ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ⏏ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

## ALWAYS OBSERVE THE FOLLOWING

### WARNING

#### To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.



#### Do not disassemble or modify by yourself

Do not carry out anything unless you are instructed to do so in the owner's manual. Otherwise, you risk causing malfunction.



#### Do not repair or replace parts by yourself

Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."



#### Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are 
- Damp (e.g., baths, washrooms, on wet floors); or are 
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.

#### Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



### WARNING

#### Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.



#### Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.



#### Do not bend the power cord or place heavy objects on it

Otherwise, fire or electric shock may result.



#### Avoid extended use at high volume

Use of the unit at high volume for extended periods of time may cause hearing loss. If you ever experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult a specialized physician.



#### Do not allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.



### WARNING

#### Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" when:

- The AC adaptor or the power cord has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.



#### Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.



#### Do not share an outlet with an unreasonable number of other devices

Otherwise, you risk overheating or fire.



#### Do not use overseas

Before using the unit in overseas, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."



## USING THE UNIT SAFELY

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### CAUTION

#### **When disconnecting the power cord, grasp it by the plug**

To prevent conductor damage, always grasp the power cord by its plug when disconnecting it from this unit or from a power outlet.



#### **Periodically clean the power plug**

An accumulation of dust or foreign objects between the power plug and the power outlet can lead to fire or electric shock.



At regular intervals, be sure to pull out the power plug, and using a dry cloth, wipe away any dust or foreign objects that may have accumulated.

#### **Disconnect the power plug whenever the unit will not be used for an extended period of time**

Fire may result in the unlikely event that a breakdown occurs.



#### **Route all power cords and cables in such a way as to prevent them from getting entangled**

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.



#### **Avoid climbing on top of the unit, or placing heavy objects on it**

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



#### **Never connect/disconnect a power plug if your hands are wet**

Otherwise, you could receive an electric shock.



#### **Disconnect all cords/cables before moving the unit**

Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.



#### **Before cleaning the unit, disconnect the power plug from the outlet**

If the power plug is not removed from the outlet, you risk receiving an electric shock.



#### **Whenever there is a threat of lightning, disconnect the power plug from the outlet**

If the power plug is not removed from the outlet, you risk receiving an electric shock.



#### **Handle the ground terminal carefully**

If you remove the screw from the ground terminal, be sure to replace it; don't leave it lying around where it could accidentally be swallowed by small children. When refastening the screw, make that it is firmly fastened, so it won't come loose.



# IMPORTANT NOTES

## Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- If the unit has been used with a power supply that has not been specified as suitable for the unit, the subsequent performance and operation of the unit can no longer be guaranteed. Also note that we may not be able to accept the unit for servicing and repairs.

## Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

## Maintenance

- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

## Repairs and Data

- Before sending the unit away for repairs, be sure to make a written note beforehand of the data stored in memory. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

## Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, we recommend that you periodically write down on paper any important data you have stored in the unit's memory.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels.
- This unit allows you to switch images at high speed. For some people, viewing such images can cause headache, nausea, or other discomfort. Do not use this unit to create video that might cause these types of health problems. Roland Corporation will accept no responsibility for any such health problems that may occur in yourself or in viewers.

## Using a USB flash drive

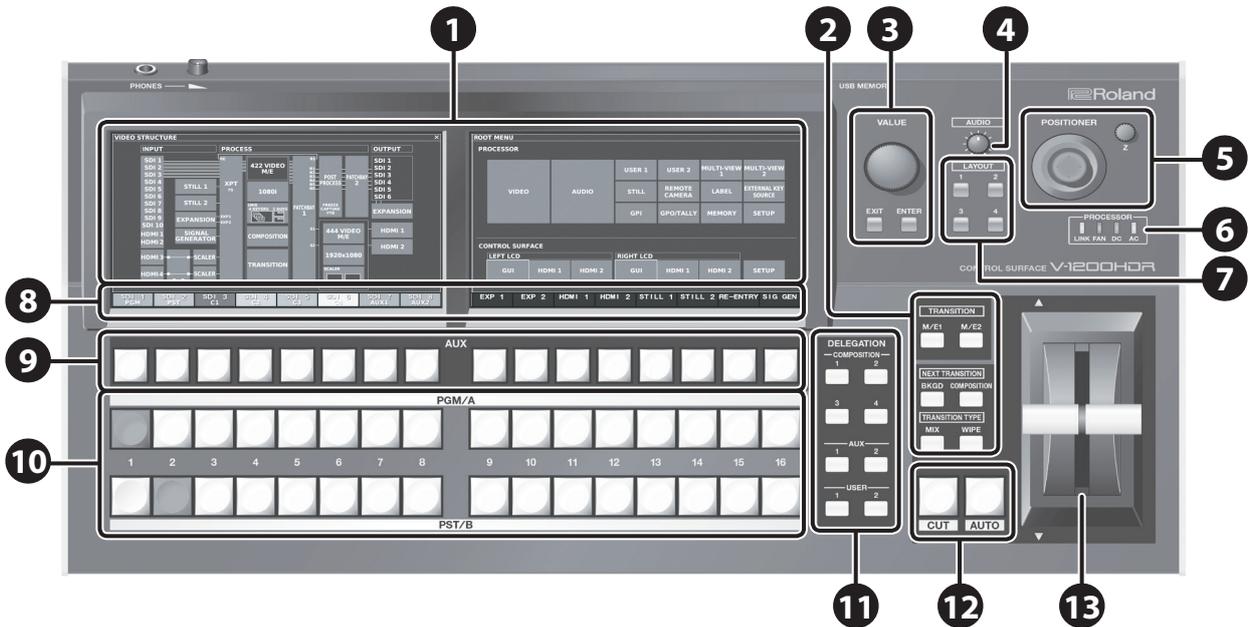
- Please observe the following precautions when handling a USB flash drive. Also, make sure to carefully observe all the precautions that were supplied with a USB flash drive.
  - Do not remove a USB flash drive while reading/writing is in progress.
  - To prevent damage from static electricity, discharge all static electricity from your person before handling a USB flash drive.
- When using a USB flash drive for the first time, be sure to format it on the V-1200HD. For details, refer to the V-1200HD Owner's Manual.

## Intellectual Property Right

- MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.
- This product is using the open source license (GPL/LGPL) software. You have the right to acquire, modify and distribute the source code for this open source license software. You can obtain the open source license source code used in this product by downloading it from the following website:  
URL:<http://www.roland.com/support/gpl/>
- Roland is an either registered trademark or trademark of Roland Corporation in the United States and/or other countries.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.
- VISCA is a protocol developed by Sony for controlling a consumer's camcorder. "VISCA" is a trademark of Sony Corporation.

# Panel Descriptions

## Top Panel



No.	Name	Description	Page	
1	Dual monitors	<ul style="list-style-type: none"> <li>These display the menu screens as well as video input via the unit's HDMI IN 1 and 2 connectors. You can make settings separately for the screens displayed on the left and right monitors.</li> <li>At menu screens, you select menu items and change settings by tapping the monitor directly.</li> </ul> <p>* Never tap two or more locations at the same time. The unit may be unable to detect the correct location.</p>	p. 10	
2	TRANSITION [M/E1] and [M/E2] buttons	When M/E in the 4:2:2 process is set to 1.5M/E or 2M/E, these select "M/E1" or "M/E2" for the transition effect. The selected button lights up.	—	
	NEXT TRANSITION [BKGD] and [COMPOSITION] buttons	These select whether the video switched to next is "BKGD" (background) or "COMPOSITION" (PinP/Key). The selected button lights up.	p. 11	
	TRANSITION TYPE [MIX] and [WIPE] buttons	These select "MIX" or "WIPE" as the effect applied to switched video. The selected button lights up.	p. 11	
3	[VALUE] knob	You use this to change setting values.	p. 11	
	[EXIT] button	You press this to answer "no" to on-screen prompt messages.	p. 11	
	[ENTER] button	You press this to answer "yes" to on-screen prompt messages.	p. 11	
4	[AUDIO] knob	This adjusts the main output from the V-1200HD's audio mixer.	—	
5	[POSITIONER] stick	This controls a remote camera connected to the V-1200HD.	—	
	[Z] knob	You use the [POSITIONER] stick to adjust pan and tilt and the [Z] dial to adjust zoom, focus, and the like.	—	
6	PROCESSOR indicators	These indicate the status of the V-1200HD (processor).	—	
		LINK	This lights up when a connection between the unit and the V-1200HD is established.	—
		FAN	This flashes if the V-1200HD's cooling fan experiences a problem and stops turning.	—
		DC	This lights up when DC power is received from an external power source connected to the V-1200HD.	—
	AC	This lights up when AC power is supplied to the V-1200HD's internal power-supply circuit.	—	
7	LAYOUT [1] - [4] buttons	These save and call up, as presets, screens to display on the dual monitors.	—	

No.	Name	Description	Page	
8	Cross-point display	This displays cross-point information for input channels.	—	
		<table border="1"> <tr> <td>Upper line</td> <td>This displays the label names of the input channels. You can specify any names you want for the labels.</td> </tr> <tr> <td>Lower line</td> <td>                     This displays the functions currently assigned to video channels.                     <ul style="list-style-type: none"> <li>• PGM: Output video channel</li> <li>• PST: Video channel to output next</li> <li>• C1–C4: Composition (PinP/Key) source channels</li> <li>• AUX1, 2: AUX bus 1 and 2 output channels</li> </ul> </td> </tr> </table> <p>* When a [USER] button in the DELEGATION area ( 11 ) is selected, these display the user function.</p>		Upper line
Upper line	This displays the label names of the input channels. You can specify any names you want for the labels.			
Lower line	This displays the functions currently assigned to video channels. <ul style="list-style-type: none"> <li>• PGM: Output video channel</li> <li>• PST: Video channel to output next</li> <li>• C1–C4: Composition (PinP/Key) source channels</li> <li>• AUX1, 2: AUX bus 1 and 2 output channels</li> </ul>			
9	[AUX] buttons	These select the video channels output to the AUX buses (two) and video channels used for composition. They also access assigned user functions. You use the DELEGATION area buttons ( 11 ) to specify functions for the [AUX] buttons.	—	
10	Cross-point buttons	These select the video channels to output.	p. 11	
		<table border="1"> <tr> <td>PGM (program) section</td> <td>These select the video signal to output to the PGM bus. The selected button lights up in red.</td> </tr> <tr> <td>PST (preset) section</td> <td>These select the video signal to output to the PST bus. The selected button lights up in green.</td> </tr> </table>		PGM (program) section
PGM (program) section	These select the video signal to output to the PGM bus. The selected button lights up in red.			
PST (preset) section	These select the video signal to output to the PST bus. The selected button lights up in green.			
11	DELEGATION area	You use this to switch the functions of the [AUX] buttons.	—	
	COMPOSITION [1] – [4] buttons	These select the composition (PinP/Key) 1 through 4 video channels.	—	
	AUX [1] and [2] buttons	These select the video channel to send to AUX bus 1 or 2.	—	
	USER [1] and [2] buttons	These select the user function assigned to user setting 1 or 2.	—	
12	[CUT] button	This switches PGM output or PST output with a cut.	p. 11	
	[AUTO] button	This makes the video switch automatically. The transition effect selected using TRANSITION TYPE is applied.		
13	Video fader	This is a T-bar video fader. You operate the video fader to switch the video. The transition effect selected using TRANSITION TYPE is applied.	p. 11	

## Rear Panel (for Equipment Connections)

- \* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.
- \* Provide cable and adaptor plugs to match the connector configuration on the equipment you're using.

### USB MEMORY Connector

This is used when upgrading the unit's system program.  
When using a USB flash drive for the first time, be sure to format it on the V-1200HD. For details, refer to the V-1200HD Owner's Manual.

- \* Never turn off the power or remove a the USB flash drive while the USB flash drive is being accessed.
- \* Carefully insert the USB flash drive all the way in—until it is firmly in place.



### USB Port

This is provided for future expansion.

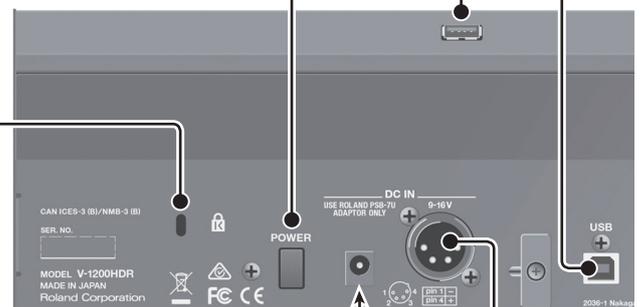
### [POWER] Button

This turns the power on and off (p. 10).

### Security Slot (SECURITY LOCK)

You can attach a commercially available security lock here. For details, refer to the following website:

<http://www.kensington.com/>



### DC IN Jack

This is for connecting the included AC adaptor.



Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards. The indicator will light when you plug the AC adaptor into an AC outlet.

- \* By default, ferrite cores are attached to the AC adaptor cable. The ferrite cores are needed to prevent electromagnetic noise. Be careful to ensure they are not removed.
- \* To prevent the inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the jack, anchor the power cord using the cord hook, as shown in the illustration.



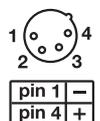
Cord Hook

### External Power Connector

This is for connecting an external power source.

#### NOTE

- Using the AC adaptor and an external power source at the same time is not possible.
- Use an external power source capable of supplying power at 36 W or higher.
- Make sure that the wiring of the external power source you want to connect matches the unit's external power connector. Connecting an external power source that has different wiring might cause malfunction.
- Be sure to supply DC power within the range of 9 V to 16 V. Using a voltage that is out of range might cause malfunction in the external power source or the unit.
- When using an external power source, be sure to refer to the owner's manual for the power source.



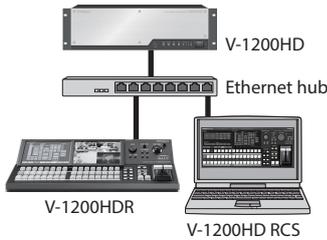
**LAN Port**

Here you connect the V-1200HD processor. When communication is established between the unit and the V-1200HD, the LINK indicator on the top panel lights up.

\* Use a Cat5e or higher shielded Ethernet cable for connection. Crossover cables and straight cables are both supported.

Using an Ethernet hub makes it possible to connect up to two devices (multiple examples of this unit or computers on which V-1200HD RCS remote-control software is installed or combinations of both) to the V-1200HD. (\*1)

**■ Possible Connection Method**



**NOTE**

When connecting the unit and the V-1200HD, follow the procedure in the V-1200HD Owner's Manual under "Using a V-1200HDR Dedicated Controller" (p. 27) to make the connection correctly.

Communication is not established if the V-1200HD and the unit are connected after the power has been turned on. If the connection has been made while in this state, communication can be established by resetting the power on just the unit.

**PHONES Jack**

Here you can connect standard-type (1/4-inch) headphones. You can use this to monitor HDMI audio input into the unit.



**[PHONES] Knob**

This adjusts the volume level for headphones.



**HDMI OUT Connector**

This is provided for future expansion.

**Ground Terminal**

Depending on the circumstances of a particular setup, you may experience a discomforting sensation, or perceive that the surface feels gritty to the touch when you touch this device or the metal portions of other objects. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

**Unsuitable places for connection**

- Water pipes (may result in shock or electrocution)
- Gas pipes (may result in fire or explosion)
- Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

**HDMI IN 1 and 2 Connectors**

Here you connect video devices equipped with HDMI output connectors to input video to the unit's monitors.

- \* To display input video on a monitor, select ROOT MENU screen → CONTROL SURFACE "LEFT LCD" or "RIGHT LCD," and set this to <HDMI 1> or <HDMI 2>.
- \* HDCP input is supported.
- \* The video formats that can be input are 1920 x 1080/60p, 59.94p, 59.94i, 50p, 50i.

(\*1) When connecting multiple V-1200HDR units or computers (V-1200HD RCS), set ID to a different value for each device. For details, refer to the "V-1200HD/V-1200HD RCS Remote Control Guide" (PDF) available for download from the Roland website. <http://proav.roland.com>

# Basic Operation

For detailed information about operation methods and settings when using the unit to control the V-1200HD, refer to the “V-1200HD/V-1200HD RCS Remote Control Guide” (PDF) available for download from the Roland website.

<http://proav.roland.com>

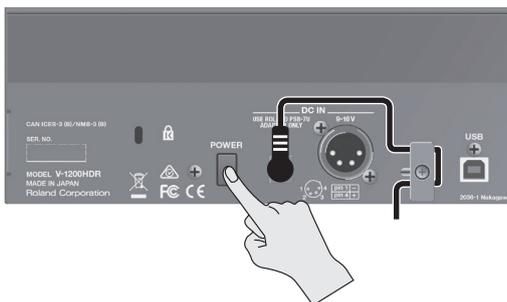
## Turning the Power On and Off

Once everything is properly connected (p. 8), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

- \* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

### Turning the Power On

1. Make sure all devices are turned off.
2. Turn on the power to the V-1200HD connected to the unit's LAN port.
3. Press the [POWER] button on the unit's rear panel to turn on the power.



- \* This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally.

4. Turn on the power to the source devices.  
Turn on the power to source devices connected to the unit's HDMI IN connectors.

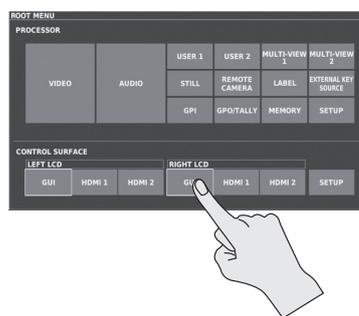
### Turning the Power Off

1. Turn off the power to the source devices.
2. Press the [POWER] button on the unit rear panel to turn off the power.
3. Turn off the power to the V-1200HD.

## Changing the Screens Displayed on the Monitors

In addition to menu screens, you can also display video input via the unit's HDMI IN connectors on the unit's monitors. You can make settings separately for the screens displayed on the left and right monitors.

1. Select ROOT MENU screen → CONTROL SURFACE, then go to “LEFT LCD” or “RIGHT LCD” and set the screen to display.



Setting value	Description
GUI	This displays the menu screen.
HDMI 1	This displays video input via the HDMI IN 1 connector. Tapping the screen changes the display to the ROOT MENU screen.
HDMI 2	This displays video input via the HDMI IN 2 connector. Tapping the screen changes the display to the ROOT MENU screen.

- If another menu screen is displayed, tap several times near the  button to display the ROOT MENU screen.
- If video is displayed, tapping the screen changes the display to the ROOT MENU screen.

## Using the Menus

This describes how to display menu screens and make various settings.

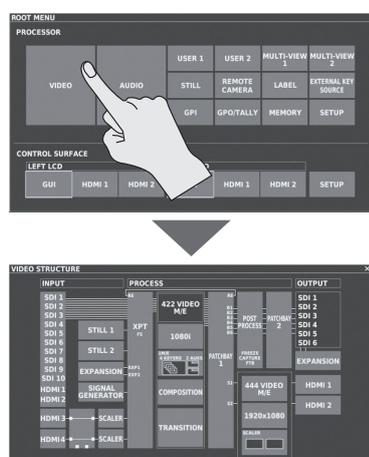
### 1. Set a monitor display screen to <GUI> to display menu screens (p. 10).

You can make settings separately for the screens displayed on the left and right monitors.

### 2. Tap the screen to select a setting item.

The item is confirmed and the next screen appears.

- The top menu is the ROOT MENU screen.
- When the menu hierarchy is deep, repeat this operation until you reach the desired item to select.
- Tapping near the  button at the upper right of the screen returns you to the previous screen.



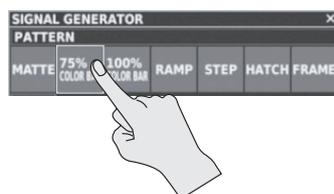
### 3. Change the setting value.

- Setting items for which you can freely set any value are displayed with a red background. Turn the [VALUE] dial to change the value.



\* Tapping a currently selected setting value displays the NUMBER INPUT screen. You can enter numerical values by pressing the number keys and then pressing the [ENTER] button (or tapping <ENTER>).

- For on/off setting values, tapping the setting switches it on or off.
- When multiple setting values are displayed using buttons, tap a button to select it.



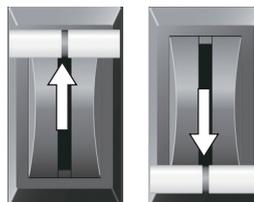
- You can change a setting value rapidly by holding down the [ENTER] button and turning the [VALUE] knob.
- Holding down the [ENTER] button and pressing the [EXIT] button returns the currently selected setting to its default value.

## Switching the Video

You use the cross-point buttons in the PST/B row to select the video you want to output next (standby), preview it, and then switch the video.

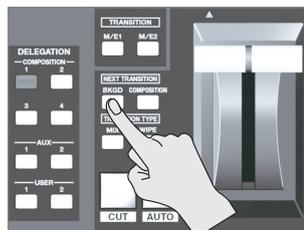
### 1. Move the video fader all the way.

Before you carry out the transition operation, move the video fader all the way toward either the front or the back.



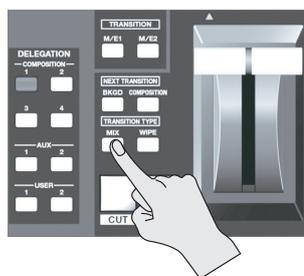
### 2. Press the NEXT TRANSITION [BKGD] button, making it light up.

Selecting the [BKGD] button makes the background image change when the video transition takes place.



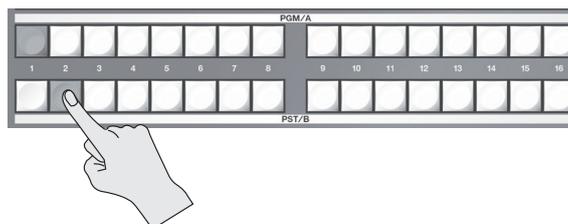
### 3. Press the TRANSITION TYPE [MIX] or [WIPE] button to select the transition effect.

The selected button lights up.



### 4. Select the channel you want to output next (standby).

Press a cross-point button in the PST/B row to select the channel you want to display next. Pressing the button makes it light up in green.

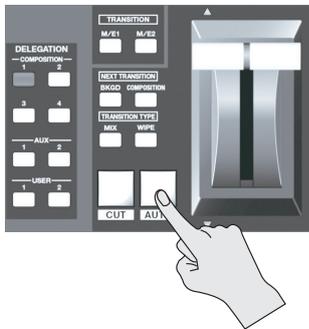


## 5. Switch the output video.

### • Switching the Video Using Buttons

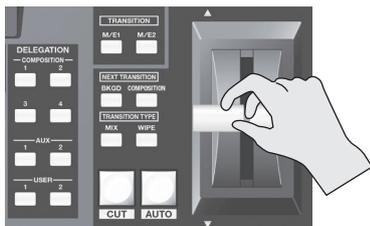
Preview the standby video, and press the [AUTO] button or [CUT] button when you want to make the video transition.

[AUTO] button	The picture changes with the effect set in step 3 applied.
[CUT] button	The picture switches instantly.



### • Switching Using the Video Fader

Move the video fader in the direction opposite the direction of movement in step 1. Moving the video fader all the way makes the video change completely.



### MEMO

- You can change such settings as the "MIX" or "WIPE" transition effect pattern.  
Go to the ROOT MENU screen and select PROCESSOR <VIDEO> → <TRANSITION>, then make the settings at the TRANSITION screen.  
You use <TIME> to adjust length of the video transition when the [AUTO] button has been pressed.
- If the video fader is positioned somewhere in the middle of its stroke when a video transition operation starts, the position of the video fader might differ from actual output. In such cases, moving the video fader all the way to either the front or the back lets you accomplish video transition.

## Returning Settings to the Factory-default State (Factory Reset)

This returns the unit's related settings to their factory-default values.

If operation that differs from what is described in the owner's manual occurs even when the steps described are followed correctly, try performing a factory reset.

### NOTE

Executing a factory reset causes all of the following settings to be lost.

- ROOT MENU screen → CONTROL SURFACE <SETUP> → CONTROL SURFACE SETUP screen settings.
- Preset values assigned to the LAYOUT [1] through [4] buttons

### MEMO

Executing a factory reset on the unit does not return the settings on a connected V-1200HD to their factory defaults. To do so, execute a factory reset on the V-1200HD.

For more information, refer to the V-1200HD Owner's Manual.

- The ROOT MENU screen and select CONTROL SURFACE <SETUP> → CONTROL SURFACE SETUP screen → tap <FACTORY RESET>.
- Check the message, then tap <YES> or press the [ENTER] button.  
(If you want to cancel the operation, tap <NO> or press the [EXIT] button.)  
A factory reset is executed.

# Appendices

## Troubleshooting

Problem	Cause	Action	Page
The V-1200HD cannot be controlled from the unit.	Are multiple V-1200HDR units or computers installed with V-1200HD RCS remote-control software connected?	When connecting multiple V-1200HDR units or computers (V-1200HD RCS), set a different ID value on each device. Remote control of V-1200HD units is not possible when ID is set to the same value on two devices. Go to the ROOT MENU screen and select PROCESSOR <SETUP> → CONTROL SURFACE SETUP screen → "ID", and change the setting.	—
	Is the LINK indicator on the top panel dark?	Connect the unit and the V-1200HD correctly.	p. 8
A USB flash drive cannot be read.	Was the USB flash drive formatted on the V-1200HD?	When you're using a USB flash drive for the first time, be sure to format it on the V-1200HD. For details, refer to the V-1200HD Owner's Manual.	—
	Was a non-Roland USB flash drive used?	Operation of non-Roland USB flash drives cannot be assured. Operation has been tested for commonly available USB flash drives, but operation with all USB flash drives is not assured. Depending on the manufacturer and type of the USB flash drive, correct operation may not be possible.	—

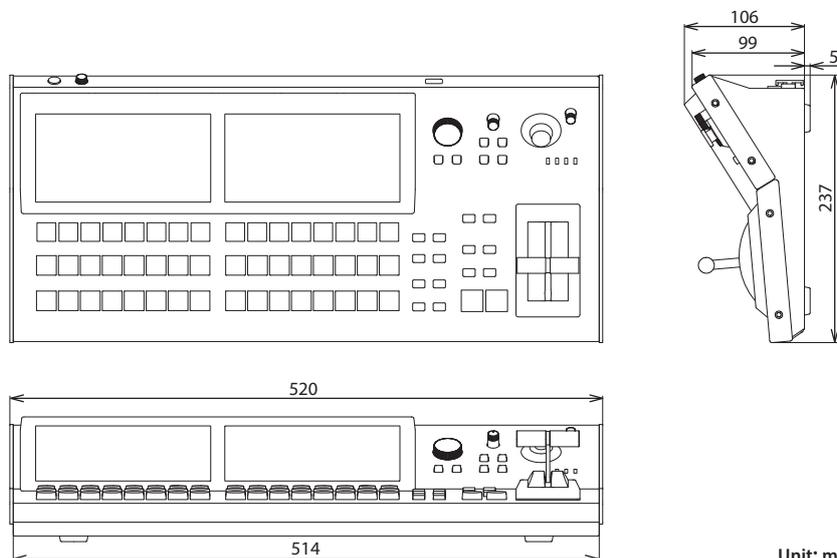
## Main Specifications

### Roland V-1200HDR: Control Surface

Display	7 inch 800 x 480 Graphic color LCD (touch screen) x 2	Power Supply	AC Adaptor, DC 9 V to 16 V (XLR-4-32 type) * Can not be used at the same time.
Video inputs	HDMI (type A) x 2 * 1920 x 1080/60p, 59.94p, 59.94i, 50p, 50i * HDCP Supported	Power Consumption	36 W
Video output	HDMI (type A) x 1 * Use for future expansion	-Operation Temperature	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
Others	USB: Type A x 1 * USB Memory	Dimensions	520 (W) x 237 (D) x 111 (H) mm 20-1/2 (W) x 9-3/8 (D) x 4-3/8 (H) inches * Protruding parts not included.
	USB: Type B x 1 * Use for future expansion		
	LAN: RJ45 100Base-TX (Connect to V-1200HD)	Weight	4.3 kg 9 lbs 8 oz
	PHONES jack: Stereo 1/4-inch phone type x 1 (80 mW + 80 mW, 32 ohms)		
Internal speakers (stereo)	Accessories	AC Adaptor, Owner's Manual	

\* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

## Dimensions



Unit: mm

For the U.K.

**IMPORTANT:** THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL  
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

For the USA

## FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment requires shielded interface cables in order to meet FCC class B limit.

Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada

CAN ICES-3 (B)/NMB-3 (B)

For Korea

## 사용자 안내문

기종별	사용자 안내문
B 급 기기 (가정용 방송통신기자재)	이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든지역에서 사용할 수 있습니다.

For C.A. US (Proposition 65)

## WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.



For the USA

## DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : V-1200HDR  
Type of Equipment : Video Switcher Remote Control Panel  
Responsible Party : Roland Corporation U.S.  
Address : 5100 S. Eastern Avenue Los Angeles, CA 90040-2938  
Telephone : (323) 890-3700

**For EU Countries**



- UK** This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.
- DE** Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.
- FR** Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.
- IT** Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.
- ES** Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.
- PT** Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.
- NL** Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.
- DK** Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.
- NO** Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

- SE** Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.
- FI** Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.
- HU** Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.
- PL** Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.
- CZ** Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.
- SK** Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhazovať spolu s domovým odpadom.
- EE** See sümbol näitab, et EL-i maades tuleb see toode olemprigust eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.
- LT** Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktai neturi būti išmetami kartu su buitiniams atliekomis.
- LV** Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.
- SI** Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinskimi odpadki.
- GR** Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

**For China**

**有关产品中所含有害物质的说明**

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

**环保使用期限**



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。不当的使用，将会导致有害物质泄漏的危险。

**产品中有毒有害物质或元素的名称及含量**

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳(壳体)	×	○	○	○	○	○
电子部件(印刷电路板等)	×	○	×	○	○	○
附件(电源线、交流适配器等)	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。  
 ×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。  
 因根据现有的技术水平，还没有什么物质能够代替它。

**For EU Countries**



This product is intended for use in the following Electromagnetic environments:  
 E1: residential, E2: commercial and light industrial, E3: urban outdoors, E4: controlled EMC environment, ex. broadcasting studio which are specified in EN55103-1 and EN55103-2.

 Roland

