XS-62S RCS is a program for remote control of the XS-62S.

* The program runs on both Windows and Mac.

Dedicated Remote Control Software

XS-62S RCS

Owner's Manual

XS-62S RCS is supported in XS-62S program version 1.2 and later. You must update the following two programs to the latest version before using this.

- System program
- NPU program

Contents

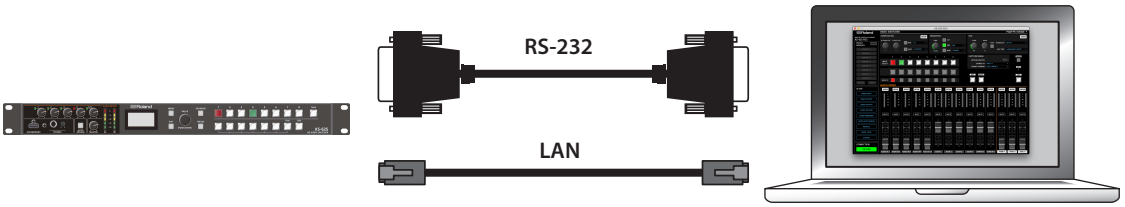
Introduction

About XS-62S RCS

XS-62S RCS is a program for remotely operating the XS-62S connected to a computer over a LAN or via RS-232.

From XS-62S RCS, you can perform panel operations and make menu settings on the XS-62S. You can also save the settings of the connected XS-62S to the computer as a file (*1), and save settings created in XS-62S RCS to the XS-62S.

Performing operations in XS-62S RCS is possible even when no connection is made to the XS-62S (offline) (*2). This means that at times such as during prior planning for system design, you can create settings using only XS-62S RCS and save the created settings to the on-site XS-62S later.



(*1) Only current setting values are saved in the file. Preset memories are not saved.

(*2) Items that can be manipulated while offline are limited.

System Requirements

Operating System	Windows	Windows 7 Service Pack 1 or later
	Mac	OS X 10.9 or later
CPU	Windows	Intel Core 2 Duo or higher, or compatible processor No assurance is made regarding the compatibility of compatible processors themselves.
	Mac	Intel Processor
RAM	2 GB or more	
Required Disk Space	100 MB or more	
Graphics	1,280 x 1,024 resolution or higher Full Color (24-bit) or higher	
Other Matters	Connection to the XS-62S requires a network environment or RS-232 interface.	

* XS-62S RCS is supported in XS-62S program version 1.2 and later. You must update the following two programs to the latest version before using this.
  - System program
  - NPU program
* Operation of XS-62S RCS on a standard computer that satisfies the conditions just described has been confirmed, but all operation under these conditions is not assured. Please be aware that even under identical conditions, computer-specific differences in design specifications or usage environment might result in differences in processing capacity.

Installing/Uninstalling XS-62S RCS

XS-62S RCS is available for download from the Roland website (**https://proav.roland.com/**).

Installing

Windows

1. **Right-click the downloaded compressed file, then click "Expand All."**

   The setup program (Roland_XS-62S_RCS_Installer.exe) is expanded.

2. **Double-click "Roland_XS-62S_RCS_Installer.exe" to run it.**

3. **Follow the instructions in the setup program to install.**

   * If a User Account Control prompt appears, click the [OK] button.

Mac

1. **Double-click the downloaded compressed file.**

   The disk-image file (Roland_XS-62S_RCS(.dmg)) is expanded.

   * Depending on your computing setup, the file might be expanded automatically when downloaded.

2. **Double-click "Roland_XS-62S_RCS(.dmg)."**

   The "XS-62S RCS" disk-image volume is mounted.

3. **Drag the "XS-62SRCS" icon from inside the mounted volume, and drop it onto the alias of the application folder.**

4. **Eject the "XS-62S RCS" disk-image volume.**

Uninstalling

Windows

1. **Working in sequence, click the [(Start) button → "Settings" (gear icon) → "Apps."**

2. **Click "Roland XS-62S RCS," then click the [Uninstall] button.**

3. **Follow the on-screen instructions to uninstall XS-62S RCS.**

   * If a User Account Control prompt appears, click the [Continue] button.

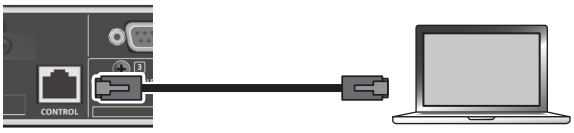
Mac

1. **Drag the "XS-62SRCS" icon from the application folder to the Trash.**

Connection Using a LAN

Connection Using the CONTROL Port (LAN)

1. Using a LAN cable, connect the CONTROL port (LAN) on the XS-62S and the computer.



Communication standards

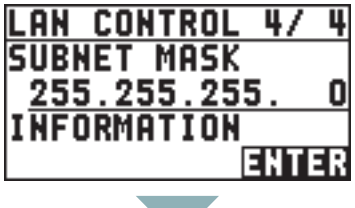
Port	CONTROL port (LAN)
Protocol	TCP
Port number	8023

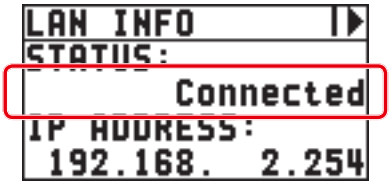
2. Turn on the power to the XS-62S.
3. On the XS-62S select [MENU] button → "LAN CONTROL," then make the settings as follows.

Menu item	Setting
CONFIGURE	Set to "MANUALLY" (manual settings).
IP ADDRESS	This sets the IP address. Set this in accordance with the connected network.
SUBNET MASK	This sets the subnet mask. Set this in accordance with the connected network.

4. Start the computer.
5. Make network settings as described in the section "Making the network settings on the computer" (p. 4).
6. On the XS-62S, press [MENU] button → "LAN CONTROL" → "INFORMATION" → [VALUE] knob.

The LAN INFORMATION screen appears.



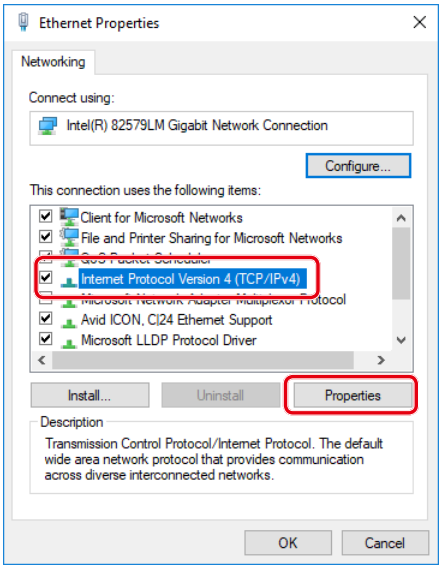


When "STATUS" indicates "Connected," the connection settings are complete.

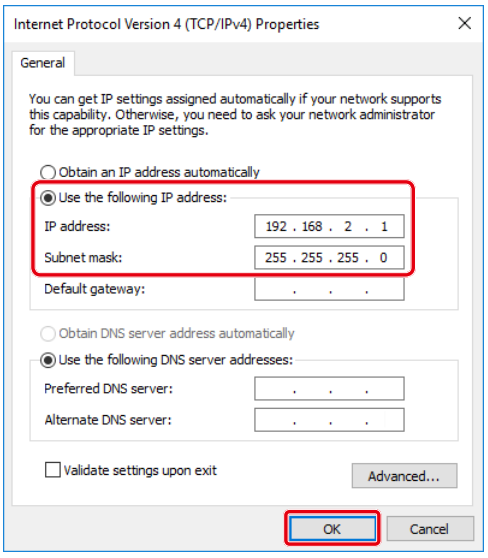
Making the network settings on the computer

Windows

1. Working in sequence, click the [(Start) button → "Settings" (gear icon).
2. Click "Network and Internet."
3. Click "Change Adapter Options."
4. Right-click the network connection you're using, then click "Properties."
5. Select "Internet Protocol Version 4 (TCP/IPv4)" and click the [Properties] button.



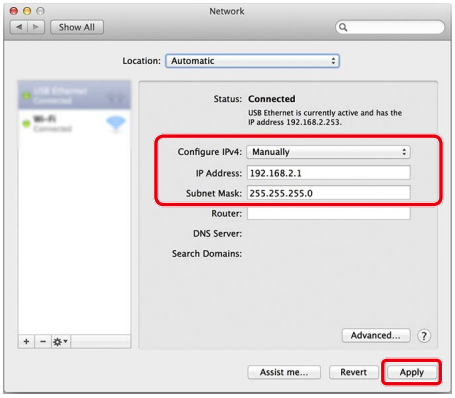
6. Select "Use the following IP address," set the values for the IP address and subnet mask, then click the [OK] button.



Setting item	Setting
IP address	Set a value that does not conflict with the IP address of any other device connected to the network. Set this in accordance with the connected network.
Subnet mask	This sets the subnet mask. Set this in accordance with the connected network.

Mac

1. Display the Apple menu → "System Preferences" → "Network."
2. From the list on the left, select the network connection service you're using.
3. Set the values for the parameters shown below, then click the [Apply] button.



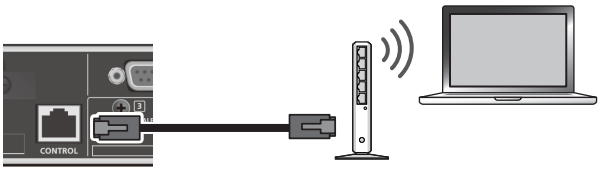
Setting item	Setting
Configure IPv4	Set to "Manually."
IP Address	Set a value that does not conflict with the IP address of any other device connected to the network. Set this in accordance with the connected network.
Subnet Mask	This sets the subnet mask. Set this in accordance with the connected network.

Connecting via a Wi-Fi Router

You connect the XS-62S and a Wi-Fi router using a LAN cable, and make a wireless connection to the computer via the Wi-Fi router.

* For details on how to connect the wireless LAN (Wi-Fi), refer to the manual of the device that you're using.

1. Using a LAN cable, connect the CONTROL port (LAN) on the XS-62S to the Wi-Fi router.



2. Turn on the power to the XS-62S.
3. From the XS-62S's [MENU] button → "LAN CONTROL" → set "CONFIGURE" to "USING DHCP."

4. Make the connection between the computer and the Wi-Fi router.

For more information on how to make connections, refer to the respective documentation for the computer and the Wi-Fi router you're using.

Connection Using RS-232

1. Using an RS-232 crossover cable, connect the RS-232 connector on the XS-62S to the computer.

Communication standards

Communication method	Synchronous (asynchronous), full-duplex
Communication speed	9,600 bps/ 38,400 bps
Parity	none
Data length	8 bits
Stop bit	1 bit
Code set	ASCII
Flow control	XON/XOFF

2. Turn on the power to the XS-62S.
3. Start the computer.

Starting/Quitting XS-62S RCS

Starting

1. **Windows**

Working in sequence, click the [(Start) button → "All Apps" → "Roland XS-62S RCS" → "XS-62S RCS."

XS-62S RCS starts and the XS-62S RCS window appears.

Mac

Double-click the XS-62SRCS(.app) icon.

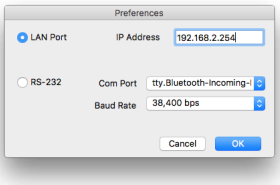
XS-62S RCS starts and the XS-62S RCS window appears.

XS-62SRCS

2. **Select the port on the computer where you're using XS-62S RCS.**

Select the "File" menu (Windows) / "XS-62S RCS" menu (Mac) → "Preferences" to display the Preferences window.

Select the port, then click the [OK] button.



LAN Port:	Select this when using the CONTROL port (LAN) to make the connection.	
	IP Address	Enter the same value as the IP ADDRESS shown in the XS-62S's [MENU] button → "LAN CONTROL" → "INFORMATION."
RS-232:	Select this when using the RS-232 connector to make the connection.	
	Com Port	From the drop-down list, select the port where the XS-62S is connected.
	Baud Rate	This sets the baud rate (communication speed).

3. **Click the [XS-62S] button to switch between online and offline.**

For details on online/offline, refer to "About the Operation Mode" (p. 6).

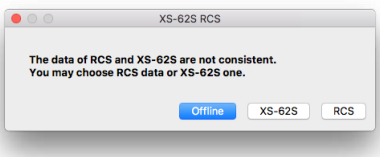
About the Operation Mode

XS-62S RCS has two operation modes: "online" and "offline."

Button	Operation mode	Explanation
XS-62S	Online	You select this when performing real-time control of the XS-62S. No operation is possible if the computer and XS-62S are not connected.
XS-62S	Offline	You select this at times such as during prior planning for system configuration. Operation is possible even if the computer and XS-62S are not connected. Some functions, such as preset memory, cannot be operated.

If XS-62S RCS and the XS-62S have different settings

If XS-62S RCS and the XS-62S unit have different settings when the system is switched to online mode, a message appears, asking which settings you want to enable.



Button	Explanation
[Offline] button	Puts the system offline. Communication between the XS-62S unit and XS-62S RCS is disconnected.
[RCS] button	The settings of XS-62S RCS are enabled. The settings of the XS-62S unit change to the current state of XS-62S RCS (they are overwritten). * The setting for the frame rate in XS-62S RCS is not sent to the XS-62S.
[XS-62S] button	The settings of the XS-62S unit are enabled. The current settings of the XS-62S unit are read into XS-62S RCS.

* You can save the values set using XS-62S RCS to the computer as a file (*.rcs) and load the configured state when needed. For details, refer to "Saving XS-62S RCS Settings as a File" (p. 16).

Quitting

1. **Windows**

   In the XS-62S RCS window, click the [ ] (close) button.
   Alternatively, go to the "File" menu and select "Quit."

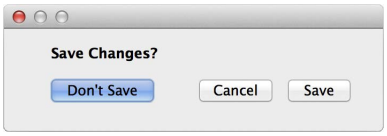
   XS-62S RCS will quit.

   Mac

   In the XS-62S RCS window, click the [ ] (close) button.
   Alternatively, go to the "XS-62S RCS" menu and select "Quit XS-62S RCS."

   XS-62S RCS will quit.

◆ If Settings at Shutdown Have Not Been Saved in a File



You can take the values of settings made in XS-62S RCS and save them on the computer as a file (*.rcs; p. 16). If the settings when you quit XS-62S RCS have not been saved in a file, a message dialog box asking whether you want to save the settings appears.

Windows	Mac	Explanation
[Save] button	[Save] button	The settings at shutdown are saved in the currently open file (*.rcs), overwriting any earlier settings, and XS-62S RCS ends. * If the target setting values have never been saved before, the Save XS-62S Data as window for entering a file name is displayed. This saves the setting values in a newly created file (*.rcs) of a different name.
[Discard] button	[Don't Save] button	XS-62S RCS ends without saving the settings at shutdown. **NOTE** Any changes made since the last time saved are all lost.
[Cancel] button	[Cancel] button	This cancels shutdown of XS-62S RCS.

Panel Descriptions

For more information about menu items, go to the XS-62S Reference Manual and refer to "Menu List."

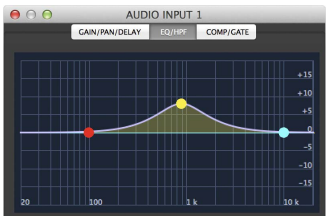
#	Name		Explanation	
1	PRESET MEMORY	Operation is not possible when offline.		
		[SETUP] button	This displays PRESET MEMORY window.	
		[MEMORY 1]–[MEMORY 8] buttons	These control the preset memory function. The currently selected button lights up in blue.	
			Save	Clicking the [SAVE] button and then clicking the button from [MEMORY 1] through [MEMORY 8] that corresponds to the number where you want to save the settings saves the current settings in the XS-62S's memory.
		[SAVE] button	**Load**	Clicking the button from [MEMORY 1] through [MEMORY 8] for the number whose settings you want to call up the settings saved in the XS-62S. **MEMO** If you edit a parameter after recalling a memory, an "*" appears on the button of the selected memory number.
		[DELETE] button	**Delete**	Click the [DELETE] button and then click a [MEMORY 1]–[MEMORY 8] button to delete the selected memory.

#	Name		Explanation
2	SETUP	[VIDEO INPUT] button	This displays VIDEO INPUT window.
		[VIDEO OUTPUT] button	This displays VIDEO OUTPUT window.
		[AUDIO OUTPUT] button	This displays the OUTPUT ASSIGN window for AUDIO OUTPUT.
		[AUDIO FOLLOW] button	This displays AUDIO FOLLOW window.
		[AUDIO EMBEDDED] button	This displays AUDIO EMBEDDED window (p. 11).
		[AUDIO AUTO MIXING] button	This displays AUDIO AUTO MIXING window (p. 12).
		[REMOTE] button	This displays REMOTE window (p. 14).
		[PANEL LOCK] button	This displays PANEL LOCK window.
		[SYSTEM] button	This displays SYSTEM window. "FACTORY RESET" can be accessed only on the XS-62S itself. While offline, "FRAME RATE" cannot be manipulated.
3	CONNECTION	[XS-62S] button	This switches XS-62S RCS online or offline (p. 6). When switched online, you can operate the XS-62S from XS-62S RCS.
4	VIDEO SWITCHER	This remotely controls the XS-62S's operation panel. **MEMO** Parameters in the screen are shown in gray depending on the video switching operation mode (PGM-PST, DISSOLVE, MATRIX). These parameters are unavailable (cannot be operated).	
		Operation mode for switching between the video	This selects the operation mode for switching between the video of the PGM/1 bus and the PVW/2 bus. You can switch by clicking "Mode" in the menu bar (p. 15) or by clicking [▼] in the upper right of the screen. **PGM-PST MODE**: You can select the preset video (the video to be output next) for the PVW/2 bus, and after checking that video, output it to the PGM/1 bus. **DISSOLVE MODE**: You can select the video that you want to output, and immediately output it to the PGM/1 bus. **MATRIX MODE**: You can individually select the video that is output to each bus (PGM/1, PVW/2, AUX/3 buses).
		COMPOSITION	This selects the type of video composition (COMPOSITION TYPE). **[PinP] button**: This composites video in an inset screen over a background video. **[SPLIT] button**: This composites two video streams in a split screen.
		TRANSITION	This selects the type of video transition (TRANSITION TYPE). **[CUT] button**: Switch between the two pictures by cutting. **[MIX] button**: The two pictures are blended together as the video is switched. **[WIPE] button**: The original video is broken into by the next video.
		DSK	This specifies the DSK setting. **[PVW] button**: This composites the DSK video onto the preset video (the video to be output next), and lets you monitor that video on the PVW/2 bus.
		CAPTURE IMAGE	This captures a still image from input video and saves it in the unit.
		[FREEZE] button	This temporarily pauses the incoming video.
		[CUT] button	Switch between the two pictures by cutting.
		[AUTO] button	This automatically switches the video using the transition effect selected by TRANSITION. If the [MIX] button or [WIPE] button are on, the [AUTO] button blinks during the video transition. The video transition time is adjusted by the TRANSITION [TIME] knob.
5	AUDIO MIXER	[SETUP] buttons	These display the input/output audio settings window. For details on operating the EQ, COMP/GATE, and MB COMP graphs, refer to the box on the next page.
		Audio level meters	These display the volume levels of input/output.
		[MUTE] buttons	These turn the Mute feature on (lit red) or off.
		Audio level faders	These adjust the volume level of input/output.

AUDIO MIXER Setup Screen

In a settings window that appears when you click the AUDIO MIXER [SETUP] button, you can adjust the values of the settings by dragging the effect graph.

EQ graph operations



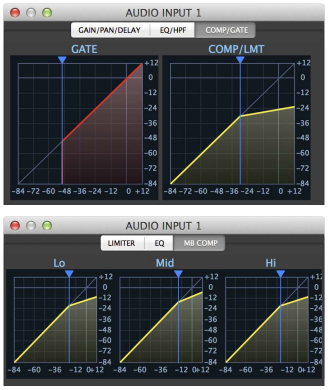
Points on the Graph

Dragging points changes the following values.

EQ Hi/Mid/Lo: Drag the point vertically.

EQ Hi/Mid/Lo FREQ: Drag the point horizontally.

GATE/COMP and MB COMP graph operations



Graph Sliders

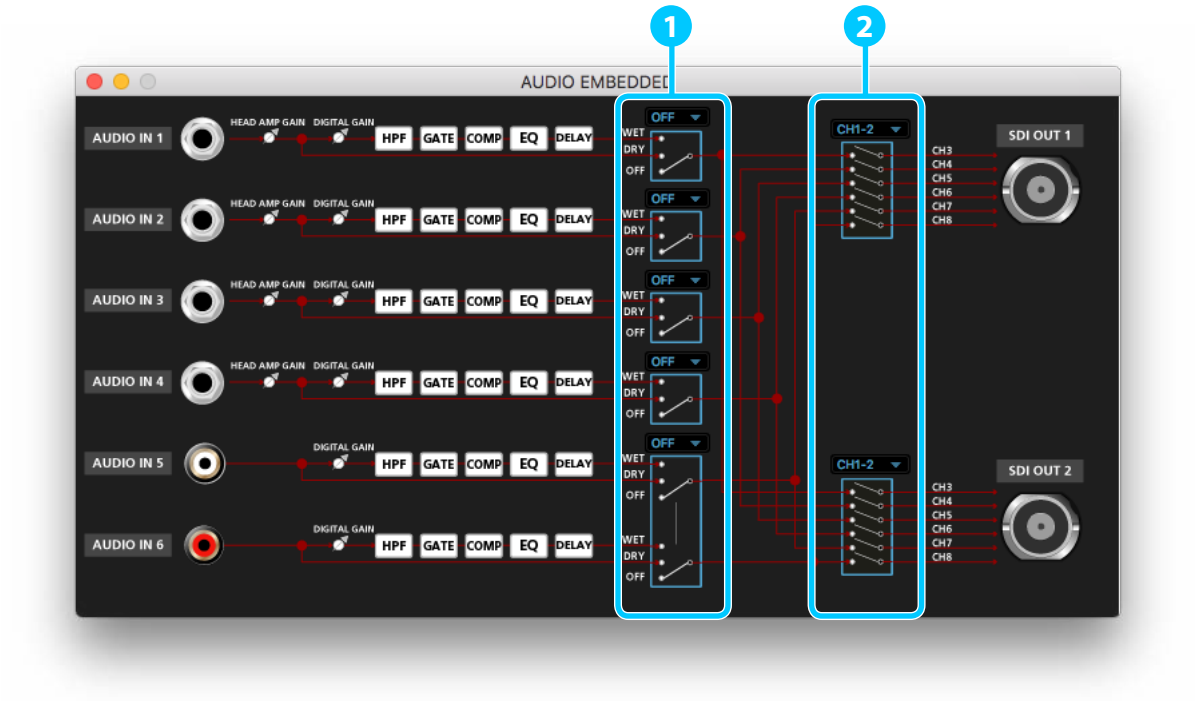
Dragging a slider (▼) horizontally changes the "THRESHOLD" value.

AUDIO EMBEDDED display

Click the [AUDIO EMBEDDED] button to access the AUDIO EMBEDDED window.

MEMO

To close the window, click the [x] button or press the [Esc] button of your computer keyboard.

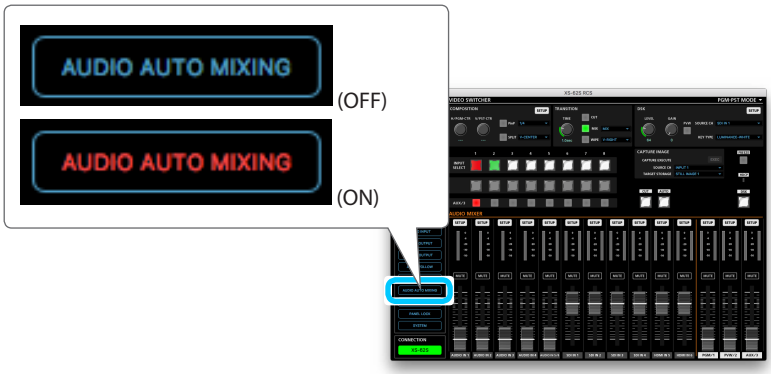


#	Name	Explanation
1	**Audio type select switches**	These specify the audio type for the input audio that is sent to the SDI embedded audio channel. If this is "OFF," audio is not sent.
2	**Output channel select switches**	Audio containing channels 3–8 of the embedded audio is sent from the SDI OUT jacks that are set to "CH1–8."

AUDIO AUTO MIXING display

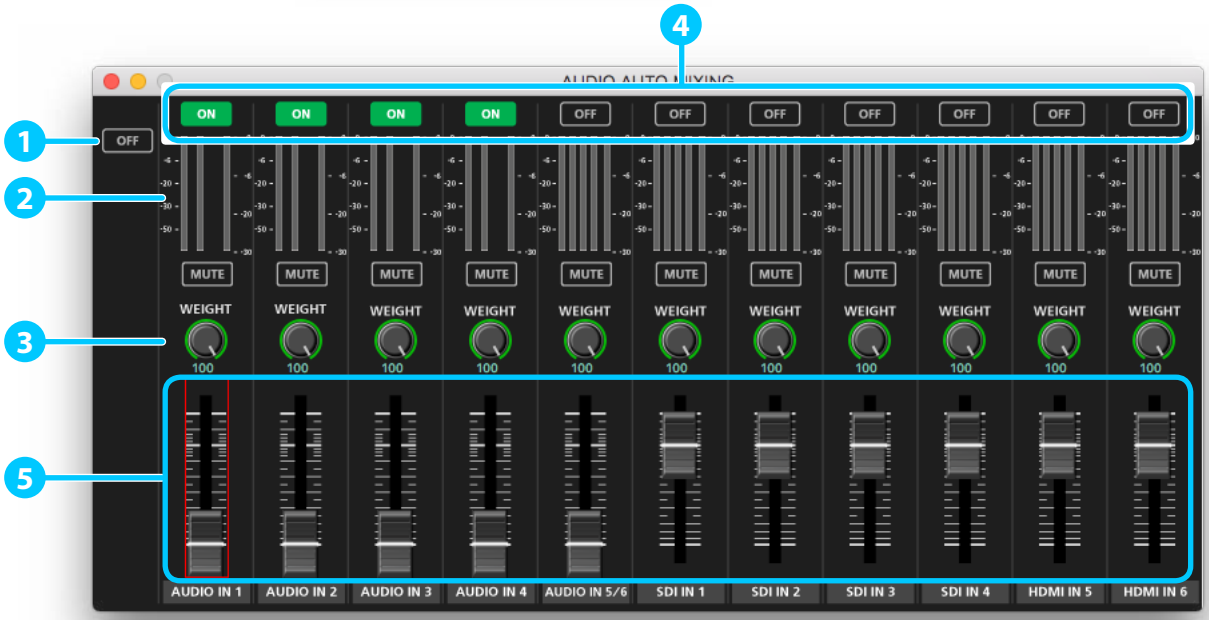
Click the [AUDIO AUTO MIXING] button to access the AUDIO AUTO MIXING window.

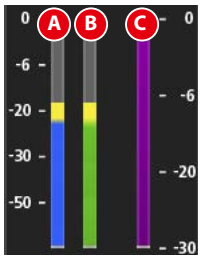
* When the auto mixing function is on, the text of the [AUDIO AUTO MIXING] button is displayed in red.



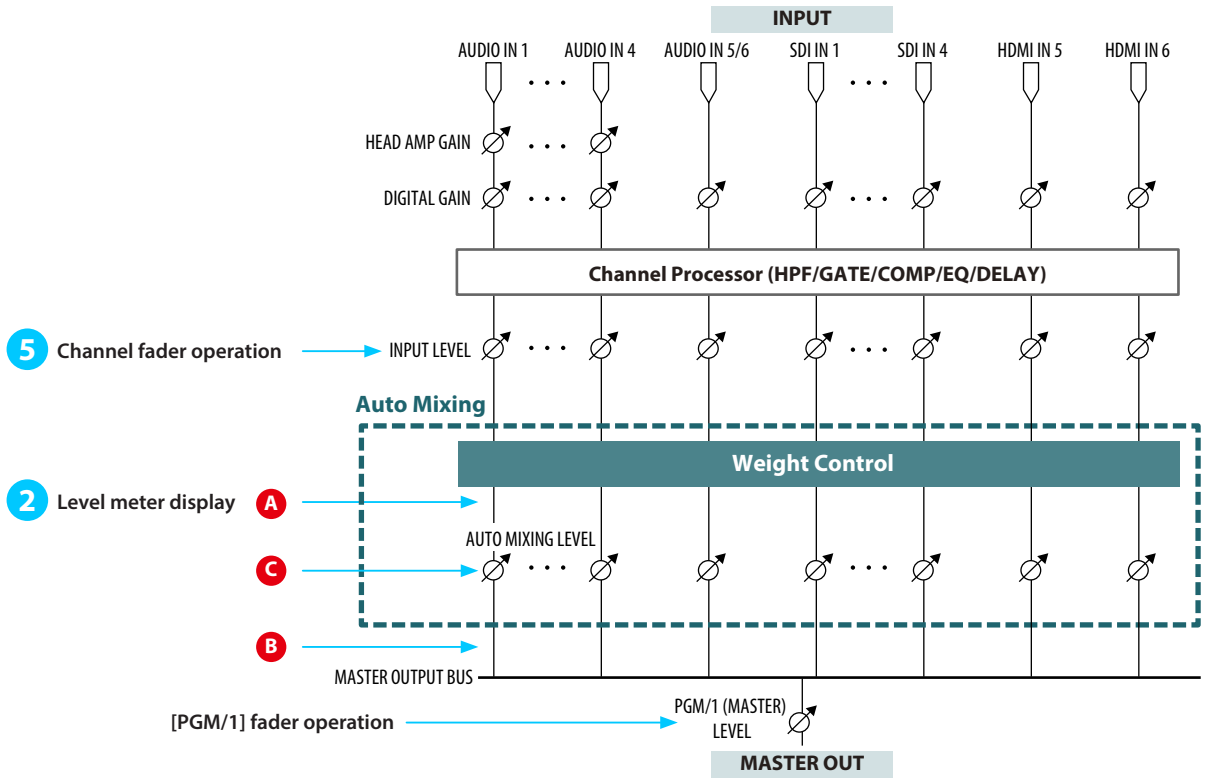
MEMO

To close the window, click the [x] button or press the [Esc] button of your computer keyboard.



#	Name	Explanation		
1	**Auto Mixing switch**	This switches the Auto Mixing feature on or off.		
2	**Level meters**		A	These indicate the Auto Mixing input level. These are the levels after passing through weight control.
			B	These indicate the output level from Auto Mixing.
			C	These indicate the Auto Mixing level. These are the levels of the internal Auto Mixing faders operated by the mixer itself.
3	**Weight level knobs**	These set the priority for volume-level distribution.		
4	**Channel switches**	These specify whether Auto Mixing is applied (ON) or not applied (OFF).		
5	**Channel faders**	These adjust the volume of the inputs (AUDIO IN 1–5/6, SDI IN 1–4, HDMI IN 5–6).		

Signal Flow

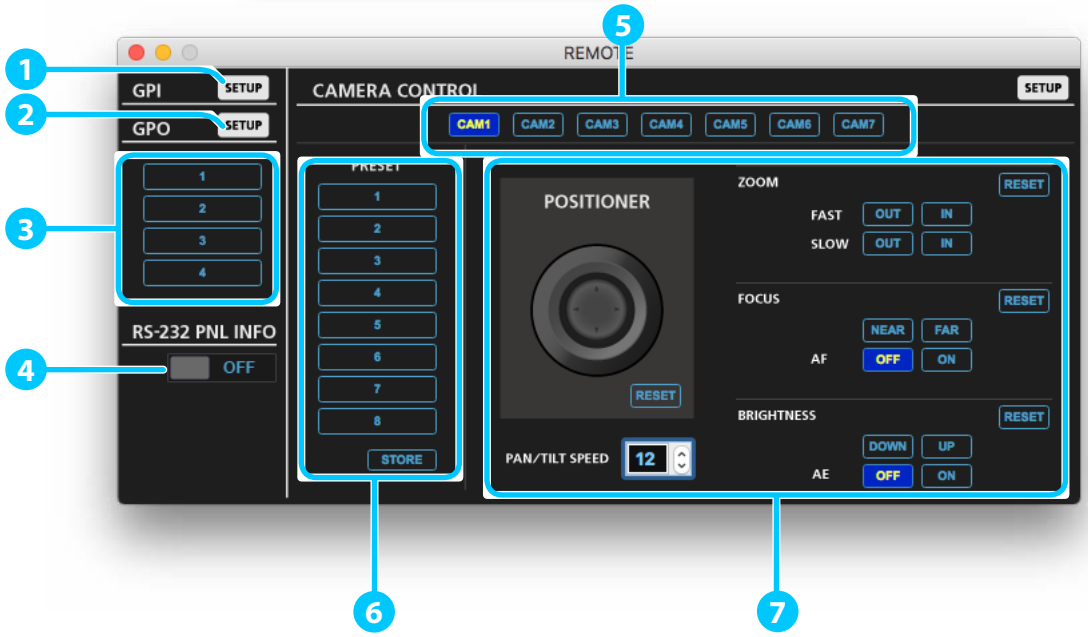

INPUT
AUDIO IN 1
AUDIO IN 4
AUDIO IN 5/6
SDI IN 1
SDI IN 4
HDMI IN 5
HDMI IN 6
HEAD AMP GAIN
DIGITAL GAIN
Channel Processor (HPF/GATE/COMP/EQ/DELAY)
5 Channel fader operation
INPUT LEVEL
Auto Mixing
Weight Control
2 Level meter display
A
AUTO MIXING LEVEL
C
B
MASTER OUTPUT BUS
[PGM/1] fader operation
PGM/1 (MASTER) LEVEL
MASTER OUT

REMOTE display

Click the [REMOTE] button to access the REMOTE window.

MEMO

To close the window, click the [x] button or press the [Esc] button of your computer keyboard.



#	Name	Explanation
1	**GPI [SETUP] button**	The GPI window appears. This lets you specify the GPI TYPE.
2	**GPO [SETUP] button**	The GPO window appears. This lets you specify the GPO TYPE.
3	**GPO**	This outputs control signals.
4	**RS-232 PNL INFO**	If this is "ON," the response message for the stxQPL:7; command is output from the RS-232 connector and the CONTROL (LAN) connector when this unit's cross-point or other status changes.
5	**Camera selection**	This selects the camera that is operated.
6	**Preset Memories**	Here you can store the remote camera's settings for pan, zoom, and focus, and recall them when you want to use them.
7	**Remote camera operation**	Here you can remotely operate the camera. You can click the [RESET] button to return each setting to its default value.

Menu bar

Windows

Menu		Explanation
File	New	This returns the settings in XS-62S RCS to their default values. * If current settings differ from default values, a message dialog box appears, allowing you to save the setting values to the computer as a file (*.rcs).
	Open ...	This displays the Open XS-62S Data window. This opens the file (*.rcs) where settings are saved and calls up the settings (p. 16).
	Save	This saves the current setting values, overwriting the open file (*.rcs; p. 16).
	Save as ...	This displays the Save XS-62S Data as window. This saves the setting values in a newly created file (*.rcs) of a different name (p. 16).
	Preferences ...	This displays the Preferences window (p. 6). You select the port on the computer where you're using XS-62S RCS.
	Quit	This quits XS-62S RCS (p. 7).
Mode	PGM-PST MODE	This selects PGM-PST mode. You can select the preset video (the video to be output next) for the PVW/2 bus, and after checking that video, output it to the PGM/1 bus.
	DISSOLVE MODE	This selects DISSOLVE mode. You can select the video that you want to output, and immediately output it to the PGM/1 bus.
	MATRIX MODE	This selects MATRIX mode. You can individually select the video that is output to each bus (PGM/1, PVW/2, AUX/3 buses).
Help	Help	This displays the XS-62S RCS Owner's Manual (this document).
	XS-62S Reference Manual	This displays the XS-62S Reference Manual.
	About XS-62S RCS ...	This displays the version information for XS-62S RCS.
	About Qt	This shows the license for the software being used (Qt).

Mac

Menu		Explanation
XS-62SRCS	About XS-62S RCS	This displays the version information for XS-62S RCS.
	About Qt	This shows the license for the software being used (Qt).
	Preferences ...	This displays the Preferences window ((p. 6). You select the port on the computer where you're using XS-62S RCS.
	Services	This shows the service menu for the OS.
	Hide XS-62S RCS	This hides the XS-62S RCS window.
	Hide Others	This hides all other application windows except the XS-62S RCS window.
	Show All	This displays all application windows.
	Quit XS-62S RCS	This quits XS-62S RCS (p. 7).
File	New	This returns the settings in XS-62S RCS to their default values. * If current settings differ from default values, a message dialog box appears, allowing you to save the setting values to the computer as a file (*.rcs).
	Open ...	This displays the Open XS-62S Data window. This opens the file (*.rcs) where settings are saved and calls up the settings (p. 16).
	Save	This saves the current setting values, overwriting the open file (*.rcs; p. 16).
	Save as ...	This displays the Save XS-62S Data as window. This saves the setting values in a newly created file (*.rcs) of a different name (p. 16).
Mode	PGM-PST MODE	This selects PGM-PST mode. You can select the preset video (the video to be output next) for the PVW/2 bus, and after checking that video, output it to the PGM/1 bus.
	DISSOLVE MODE	This selects DISSOLVE mode. You can select the video that you want to output, and immediately output it to the PGM/1 bus.
	MATRIX MODE	This selects MATRIX mode. You can individually select the video that is output to each bus (PGM/1, PVW/2, AUX/3 buses).
Help	XS-62S RCS Help	This displays the XS-62S RCS Owner's Manual (this document).
	XS-62S Reference Manual	This displays the XS-62S Reference Manual.

Saving XS-62S RCS Settings as a File

You can save the values of settings made using XS-62S RCS to the computer as a file (*.rcs), and load the configured state when needed.

* You can also save settings that were created in XS-62S RCS while offline.

NOTE

- Only XS-62S RCS settings are saved in the file. Values in the XS-62S's preset memories (1–8) are not saved.
- Files saved to a USB flash drive from the XS-62S (*.X62) cannot loaded into XS-62S RCS.

Saving settings

Saving by overwriting

1. From the "File" menu, select "Save."

This saves the current setting values, overwriting the open file (*.rcs).

* If the target setting values have never been saved before, the Save XS-62S Data as window for entering a file name is displayed. This saves the setting values in a newly created file (*.rcs) of a different name.

Saving using a name you specify

1. From the "File" menu, select "Save as."

The Save XS-62S Data as window appears.

2. Specify the destination for saving the file and a file name (*.rcs), then click the [Save] button.

The file is saved to the computer.

Loading settings

1. From the "File" menu, select "Open."

The Open XS-62S Data window appears.

2. Select the settings file (*.rcs), then click the [Open] button.

The settings are loaded.