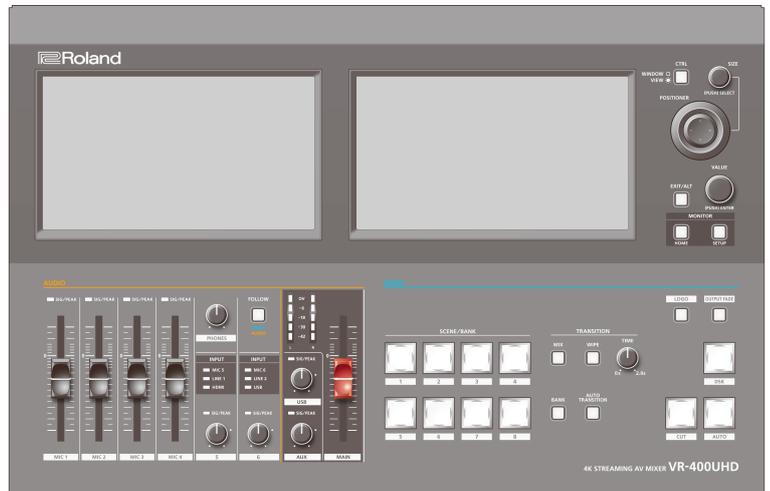


4K STREAMING AV MIXER VR-400UHD

Remote Control Guide



LAN/RS-232 Command Reference

The VR-400UHD support two types of remote-interface communication: LAN and RS-232.

Using the LAN port or RS-232 connector to send specific commands to the VR-400UHD from a controlling device lets you operate the VR-400UHD remotely.

LAN Interface

This uses the LAN port on the VR-400UHD.

You use Telnet to operate the VR-400UHD remotely over a LAN (TCP/IP protocol).

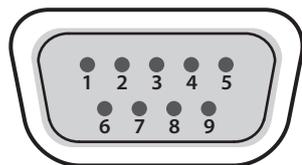
Communication standards

Port	LAN port
TCP port number	8023

For methods of connecting to a network, refer to "Reference Manual" (PDF).

RS-232 Interface

RS-232 connector pin layout



DB-9 type (male)

Pin assignments

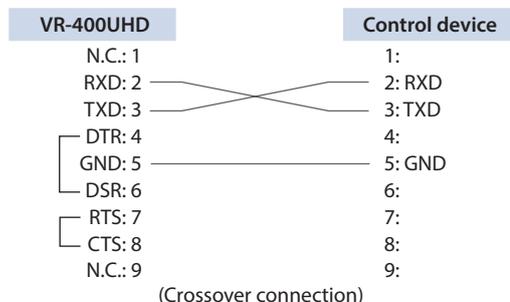
Pin No.	Signal
1	N.C.
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	N.C.

Communication standards

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

Cable wiring diagram

Use an RS-232 crossover cable to connect the VR-400UHD and the controller (an RS-232-compatible computer or other device).



* The connections between 4 and 6 and between 7 and 8 are inside the VR-400UHD.

Command Format

Commands are common to the LAN and the RS-232 interface.

Transmitted commands (control device → this unit)

Transmit specific commands from the control device to this unit.

Command	Format										
ver	Obtains the model name and version information. <table border="1"> <tr> <td>ver</td> <td>If</td> </tr> </table>	ver	If								
ver	If										
set	Sets a parameter. <table border="1"> <tr> <td>set</td> <td>,</td> <td>Category</td> <td>,</td> <td>ID</td> <td>,</td> <td>Sub-ID</td> <td>,</td> <td>Value</td> <td>If</td> </tr> </table>	set	,	Category	,	ID	,	Sub-ID	,	Value	If
set	,	Category	,	ID	,	Sub-ID	,	Value	If		
get	Obtains the current parameter value. <table border="1"> <tr> <td>get</td> <td>,</td> <td>Category</td> <td>,</td> <td>ID</td> <td>,</td> <td>Sub-ID</td> <td>If</td> </tr> </table> <p>When this unit correctly receives a command, it returns set,[category],[ID],[sub-ID],[value][If].</p>	get	,	Category	,	ID	,	Sub-ID	If		
get	,	Category	,	ID	,	Sub-ID	If				

* "If" is the ASCII code "0aH", and is a control code that indicates the end of the command. H indicates a hexadecimal value.

ack response (this unit → control device)

When this unit correctly receives a command, it returns ack.

The ack response commands are described in "List of Commands" (p. 3).

Error response (this unit → control device)

When this unit could not correctly receive a command, it returns an error.

err	,	Transmitted command	If
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List of Commands

* When sending a sequence of commands to the unit from a controller, after each one, be sure to verify that an “ack” response is returned before sending the next command.

* The network and password settings must be configured beforehand. When connecting, enter the password you already set.

Item	Sent command	Response command	Parameter
Select the program scene (PGM1 in DUAL mode)	set,97,46,0,[a][lf]	ack,97,46,0,[a][lf]	a: 0–63 (1-1–8-8)
Select the preset scene (PGM2 in DUAL mode)	set,97,46,1,[a][lf]	ack,97,46,1,[a][lf]	a: 0–63 (1-1–8-8)
Press the [CUT] button	set,98,43,0,1[lf]	ack,98,43,0,1[lf]	
Press the [AUTO] button	set,98,42,0,1[lf]	ack,98,42,0,1[lf]	
Press the [OUTPUT FADE] button	set,97,25,[a],[b][lf]	ack,97,25,[a],[b][lf]	a: 0 (PGM(DUAL Mode: PGM1)), 1 (DUAL Mode: PGM2) b: 0 (OFF), 1(ON)
Set the [DSK] button on/off	set,97,79,0,[a][lf]	ack,97,79,0,[a][lf]	a: 0 (OFF), 1(ON)
Set the [LOGO] button on/off	set,97,63,0,[a][lf]	ack,97,63,0,[a][lf]	a: 0 (OFF), 1(ON)
Switch between MIX/WIPE	set,97,48,0,[a][lf]	ack,97,48,0,[a][lf]	a: 0 (MIX), 1 (WIPE)
Change the WIPE pattern	set,97,49,0,[a][lf]	ack,97,49,0,[a][lf]	a: 0–3 (1–4)
Set transition time	set,97,18,0,[a][lf]	ack,97,18,0,[a][lf]	a: 0–20 (0.0–2.0 sec)
Set the [AUTO TRANSITION] button on/off	set,97,19,0,[a][lf]	ack,97,19,0,[a][lf]	a: 0 (OFF), 1(ON)
MIC1–MIC6 channel	Adjust the volume	set,97,139,[a],[b][lf]	ack,97,139,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0–127 (Level)
	Turn the solo function on/off	set,97,138,[a],[b][lf]	ack,97,138,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0 (OFF), 1(ON)
	Turn the mute function on/off	set,97,137,[a],[b][lf]	ack,97,137,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0 (OFF), 1(ON)
	Adjust the AUX send level	set,97,144,[a],[b][lf]	ack,97,144,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0–127 (Level)
	Adjust the pan	set,97,140,[a],[b][lf]	ack,97,140,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: -50–0–50 (L-C-R)
	Adjust the reverb send level	set,97,141,[a],[b][lf]	ack,97,141,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0–127 (Level)
	Turn USB send on/off	set,97,143,[a],[b][lf]	ack,97,143,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0 (OFF), 1(ON)
	Set AUX PRE/POST	set,97,145,[a],[b][lf]	ack,97,145,[a],[b][lf] a: 0–5 (MIC1–MIC6 Channel) b: 0 (PRE), 1(POST)
LINE1, LINE2, HDMI, USB channel	Adjust the volume	set,97,173,[a],[b][lf]	ack,97,173,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0–127 (Level)
	Turn the solo function on/off	set,97,172,[a],[b][lf]	ack,97,172,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0 (OFF), 1(ON)
	Turn the mute function on/off	set,97,171,[a],[b][lf]	ack,97,171,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0 (OFF), 1(ON)
	Adjust the AUX send level	set,97,178,[a],[b][lf]	ack,97,178,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0–127 (Level)
	Adjust the pan	set,97,174,[a],[b][lf]	ack,97,174,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: -50–0–50 (L-C-R)
	Adjust the reverb send level	set,97,175,[a],[b][lf]	ack,97,175,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0–127 (Level)
	Turn USB send on/off	set,97,177,[a],[b][lf]	ack,97,177,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0 (OFF), 1(ON)
	Set AUX PRE/POST	set,97,179,[a],[b][lf]	ack,97,179,[a],[b][lf] a: 0–3 (LINE1, LINE2, HDMI, USB) b: 0 (PRE), 1(POST)
Adjust the output volume	set,97,182,[a],[b][lf]	ack,97,182,[a],[b][lf] a: 0–3 (MAIN, AUX, USB, HDMI) b: 0–127 (Level)	
Turn the output solo function on/off	set,97,181,[a],[b][lf]	ack,97,181,[a],[b][lf] a: 0–3 (MAIN, AUX, USB, HDMI) b: 0 (OFF), 1(ON)	
Turn the output mute function on/off	set,97,180,[a],[b][lf]	ack,97,180,[a],[b][lf] a: 0–3 (MAIN, AUX, USB, HDMI) b: 0 (OFF), 1(ON)	
Auto mixing function on/off	set,97,265,0,[a][lf]	ack,97,265,0,[a][lf]	a: 0 (OFF), 1(ON)
Audio follow video function on/off	set,97,217,0,[a][lf]	ack,97,217,0,[a][lf]	a: 0 (OFF), 1(VFA), 2(AFV)
Adjust reverb	set,97,216,0,[a][lf]	ack,97,216,0,[a][lf]	a: 0–127