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HT-EUROPA4-2

4x2 Matrix Switcher

COMMAND LIST

August 7, 2023

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Connection to the HT-EUROPA4-2

RS-232

Before executing the API commands through RS-232 serial connection, please ensure the RS-232 interface of the device and the control PC are configured correctly.

Parameters	Value
Baud Rate	115200 bps
Data Bits	8 bits
Parity	None
Stop Bits	1 bit
Flow Control	None

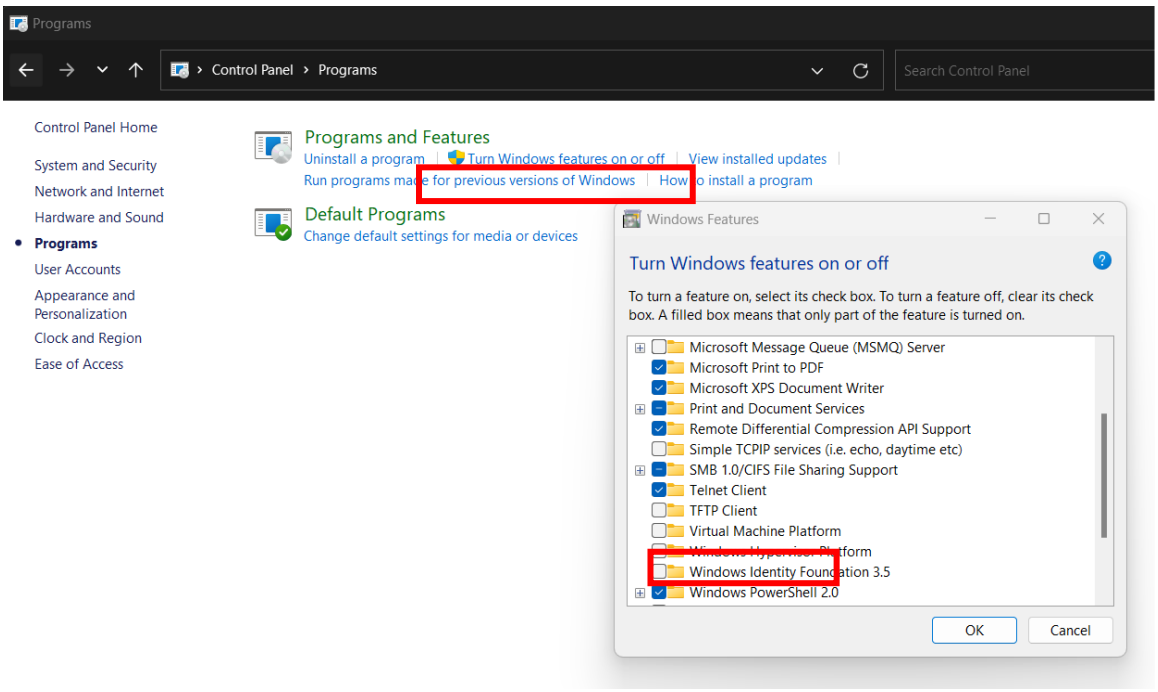
TELNET

To connect to and communicate with the HT-EUROPA4-2, the controlling device needs to be on the same network. If needed, change the IP address on your PC to be in the same IP range and same subnet as the HT-EUROPA4-2.

ENABLING TELNET CLIENT

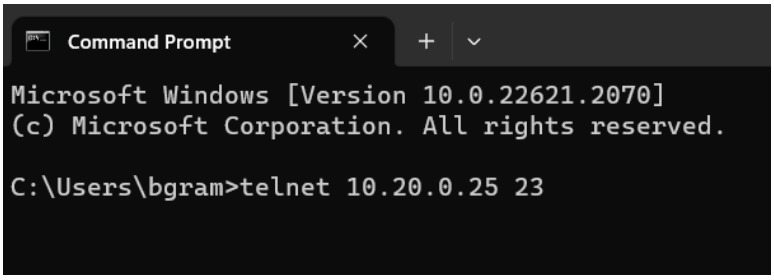
Before logging in to IP controller via command-line interface, make sure that Telnet Client is enabled. By default, Telnet Client is disabled in Windows OS. To turn on Telnet Client, do as follows.

1. Choose **Start > Control Panel > Programs**
2. In the **Programs and Features** area, click **Turn Windows features on or off**.
3. In the **Windows Features** window, select **Telnet Client** check box.

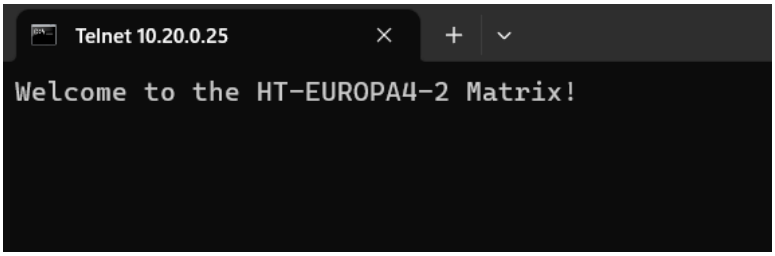


LOGGING IN VIA COMMAND-LINE INTERFACE

1. Choose **Start > Run**
2. In the Run dialog box, enter **cmd** and then click **OK**.
3. Enter **telnet 192.168.0.109 23** if the device's IP address is 192.168.0.109 and then press **Enter**. (The 23 on the end changes the port communication to 23).



4. The device will display the following and is now ready to execute the API commands.



API Commands

Example: SET SW in out <CR><LF>

SET SW	in	<CR><LF>
Denotes command key words, case not sensitive	Denotes parameters, case not sensitive; incorrect parameters will not be recognized	Denotes a carriage return or a line feed; all commands must be ended with a CR or LF

COMMANDS

IDX	Command	Parameters	Description
1	**SET SW *in out***	in = {in1, in2, in3, in4} out = {out1, out2}	Switch one input to one output
2	**GET MP out**	out = {out1, out2}	Returns which input is mapping to the indicated output
3	**SET SW *in* ALL**	in = {in1, in2, in3, in4}	Switch one input to all outputs
4	**GET MP ALL**	-	Returns which source is routed to output1 and output2
5	**SET CEC PWR *out prm***	prm = {on, off} out = {out1, out2}	Set CEC power on/off
6	**SET AUTOCEC_FN *out prm***	prm = {on, off} out = {out1, out2}	Set CEC auto power on/off
7	**GET AUTOCEC_FN *out***	out = {out1, out2}	Returns the CEC auto power on/off status
8	**SET AUTOCEC_D *out prm***	out = {out1, out2} prm = {1, 2, 3, …} (in minutes; default wait time is 2 minutes)	Set CEC power delay time
9	**GET AUTOCEC_D *out***	out = {out1, out2}	Returns the CEC power delay time status
10	**SET CEC_EN *out prm***	prm = {on, off} out = {out1, out2}	Enable/disable CEC function
11	**GET CEC_EN *out***	out = {out1, out2}	Returns the CEC function status
12	**SET EDID *in prm***	in = {in1, in2, in3, in4} prm = {1 ~ 11} 1 = Restore Defaults 2 = Copy EDID from HDMI out1	Set input EDID

IDX	Command	Parameters	Description
		3 = Copy EDID from HDMI out2 4 = 4k@60Hz 4:4:4, 2.0ch w/ HDR 5 = 4k@60Hz 4:4:4, 5.1ch w/ HDR 6 = 4k@60Hz 4:4:4, 7.1ch w/ HDR 7 = 4k@30Hz 4:4:4, 2.0ch w/ HDR 8 = 4k@30Hz 4:4:4, 7.1ch w/ HDR 9 = 1080P@60Hz, 2.0ch 10 = 1080P@60Hz, 5.1ch 11 = 1080P@60Hz, 7.1ch	
13	**GET EDID ALL**	-	Returns all input EDID status
14	**GET EDID *in***	in = {in1, in2, in3, in4}	Returns designated input EDID status
15	**RESET**	-	Factory reset
16	**REBOOT**	-	System reboot
17	**GET VER**	-	Returns firmware version
18	**SET IR_SC *prm***	prm = {all, mode1, mode2} mode1 = 0x00 mode2 = 0x4e	Sets IR system code
19	**GET IR_SC**	-	Returns IR system code
20	**HELP**	-	Returns the full API list
21	**UPG *prm***	prm = {MASTER, ARM}	Upgrade the firmware
22	**TEST WDG**	-	Test watchdog
23	**SET MUTE *out prm***	out = {hdmiaudioout1, hdmiaudioout2, spdifaudioout2, audioout1} prm = {on, off}	Set audio output to mute/unmute
24	**GET MUTE out**	out = {hdmiaudioout1, hdmiaudioout2, spdifaudioout2, audioout1}	Returns output audio mute status
25	**GET IPPADDR**	-	Returns the IP address
26	**GET IP MODE**	-	Returns the IP mode

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