HDTV SUPPLY
PROFESSIONAL AV SOLUTIONS

USER GUIDE
HDTVFIX1600E

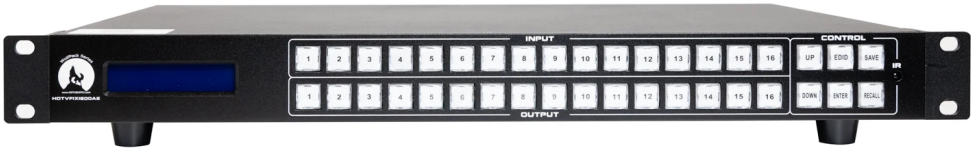
WOLFPACK / FIXED MATRIX

16 × 16 HDMI Matrix Switch

4K at 30 Hz · App + Web Control

16 HDMI INPUTS	16 HDMI OUTPUTS	4K / 30 Hz

FRONT VIEW / CONTROL PANEL



REAR VIEW / CONNECTIONS



Installation & Control

User manual

October 2026 / Web GUI reference: firmware v3.2

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Start here

Setup, routing and control instructions for the HDTVFIX1600E HDMI matrix.

At a glance

Matrix	16 HDMI inputs to 16 HDMI outputs
Maximum resolution	4K at 30 Hz
Default IP address	192.168.1.80
Default web login	User name: admin · Password: admin
Serial connection	9600 baud, N, 8, 1 · Direct RS-232 cable

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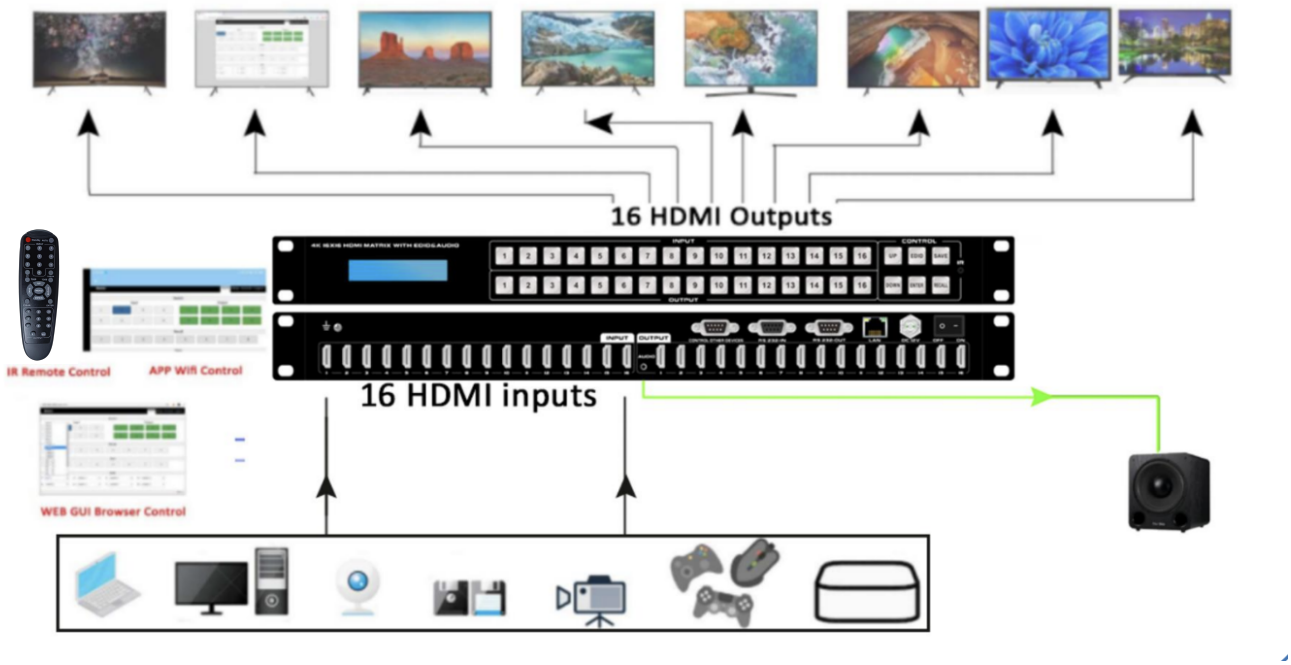
Product & specifications

A 1U fixed-height 4K2K HDMI matrix for routing HDMI sources to displays. All ports are HDCP compliant. Compatible with Blu-ray players, set-top boxes, home theater systems, and game consoles. Control options include two-press blue-backlit front-panel buttons, IR remote, RS-232, TCP/IP, a web interface, and iOS/Android app control.

HDMI / HDCP	HDMI 1.4 / HDCP 1.4
Video formats	480p, 576p, 720p, 1080i, 1080p @24/30/50/60Hz, 4K@30Hz
HDMI audio formats	LPCM 7.1CH, Dolby TrueHD, Dolby Digital, DTS-HD Master Audio.
Inputs / outputs	16 HDMI inputs; 16 HDMI outputs; 3.5 mm audio associated with OUT1
Saved presets	16 presets
EDID	Select an EDID setting for each input in the web interface, including built-in formats and OUT1-OUT16 choices.
Power supply	TDX-1205000 adapter: 12.0 V DC, 5.0 A, 60.0 W output. Chassis connector is marked DC12V.
Adapter AC input	100-240 V AC, 50/60 Hz, 2.0 A. AC connects to the adapter, not the chassis.
Dimensions / weight	480 × 252 × 44 mm / 3.5 kg
Operating temperature	0-40 °C / 32-104 °F
Storage temperature	-20 to 60 °C / -4 to 140 °F

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Connections & package



16-input / 16-output connection overview. Representative sources and displays are shown; the illustration shows example connections. The chassis connects to the local network by LAN cable; it has no built-in Wi-Fi.

In the box

Item	Quantity
HDMI matrix switcher	1
12 V DC, 5 A power adapter	1
IR remote control	1
Rack ears	2

Connection overview

• Connect HDMI sources to INPUT ports and displays to OUTPUT ports.

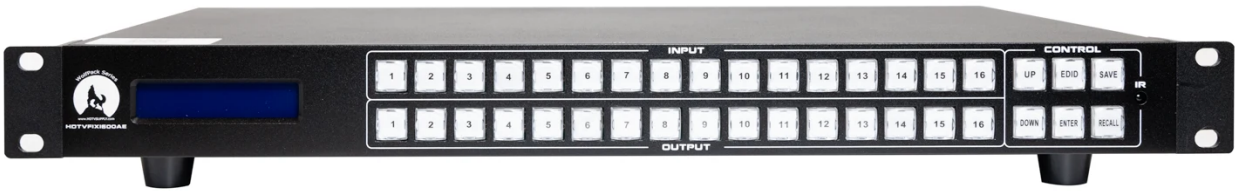
• The OUT1 audio connection is available at the 3.5 mm audio port.

• Use LAN for network control, RS-232 IN for serial control, and RS-232 OUT for a control loop.

• Use the specified DC 12 V power connection. See rear-panel connections on page 6.

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Front-panel controls



Front panel: LCD, input and output buttons, control keys, and IR receiver.

LCD	Shows switching, EDID, IP, and related information.
INPUT	16 HDMI input buttons.
OUTPUT	16 HDMI output buttons.
UP	Scroll up through the front-panel menu.
EDID	Enter EDID setting mode.
SAVE	Save switching status.
DOWN	Scroll down through the front-panel menu.
ENTER	Confirm a setting or save operation.
RECALL	Recall saved presets / scenes.
IR	Receiver for the IR remote.

Save and recall from the front panel

• Set the input-to-output routing you want to store.

• Press **SAVE**, select the preset number, then press **ENTER**.

• To restore it, press **RECALL**, select the saved preset number, then press **ENTER**.

Set EDID from the front panel

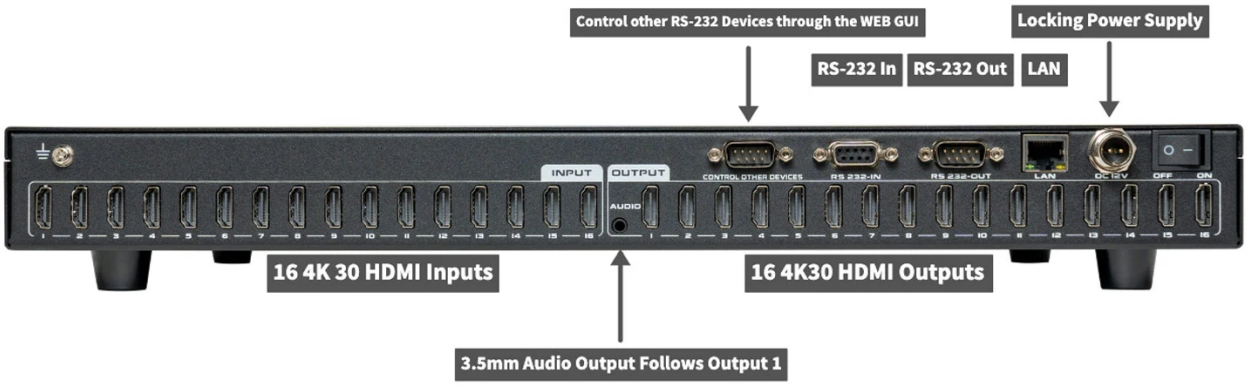
• Press **EDID**, then select the input you want to configure.

• Use **UP/DOWN** to choose a suitable EDID setting, then press **ENTER**.

• Press **EDID** again to return to switching mode.

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Rear-panel connections



Rear-panel ports and connections.

Ground	Ground-wiring connection.
INPUT	16 female HDMI input ports.
Audio	3.5 mm audio output associated with output 1.
OUTPUT	16 female HDMI output ports.
Device control	Commands for other devices are configured in the web GUI.
RS232 IN	Female RS-232 port for control input.
RS232 OUT	Male RS-232 port for the control loop.
LAN	IP/TCP control; default IP address 192.168.1.80.
DC12V	Power supply port.
ON/OFF	Power switch.

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IR remote control

The remote uses separate INPUT and OUTPUT number buttons.



IR remote reference

Route to selected outputs	Press the INPUT number, then each OUTPUT number. Example: INPUT 1, then OUTPUT 1, OUTPUT 2, OUTPUT 3.
Select channels 10-16	4K is the tens prefix. Press 4K, then the corresponding digit in the INPUT or OUTPUT group: 0 = 10, 1 = 11, 2 = 12, 3 = 13, 4 = 14, 5 = 15, 6 = 16.
Example: input 15 to outputs 15 and 16	4K → INPUT 5 → 4K → OUTPUT 5 → 4K → OUTPUT 6.
Route to all outputs	Select the input, then press ALL.
Save a preset	Press SAVE, select preset 1-16 using the upper INPUT number buttons, then press ENTER. Example: SAVE → upper INPUT 1 → ENTER. For preset 13: SAVE → 4K → upper INPUT 3 → ENTER.
Recall a preset	Press RECALL, select preset 1-16 using the upper INPUT number buttons, then press ENTER. Example: RECALL → upper INPUT 1 → ENTER. For preset 13: RECALL → 4K → upper INPUT 3 → ENTER.

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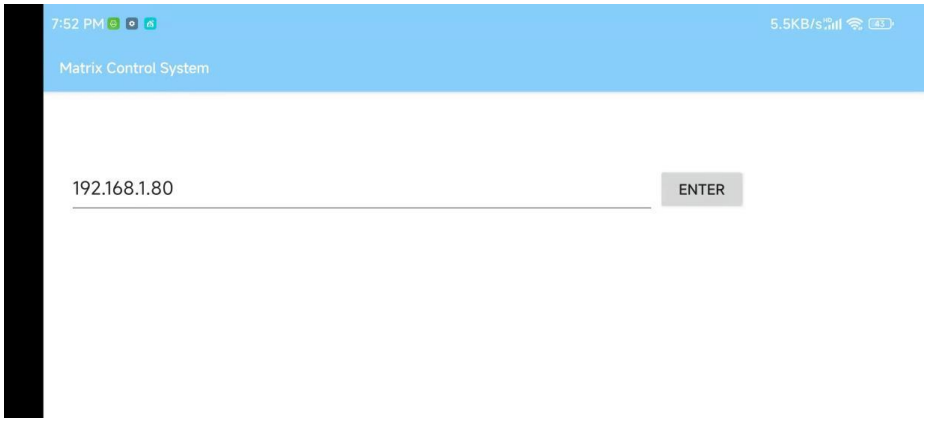
App control & web login

Use the mobile app

• Search Google Play or the Apple App Store for “MCS.”

• The chassis has no built-in Wi-Fi. Connect the matrix by a LAN cable to your local network; connect the mobile device to that same network using Wi-Fi.

• Open the app and enter the matrix IP address. The default is 192.168.1.80.



MCS app IP-entry screen.

Sign in through a web browser

• Connect the matrix and PC to the same network switch, or connect the PC directly to the matrix using a LAN cable.

• Enter the matrix IP address in the browser. Default: 192.168.1.80.

• Sign in with user name admin and password admin. The Home interface opens after login.



Web sign-in screen

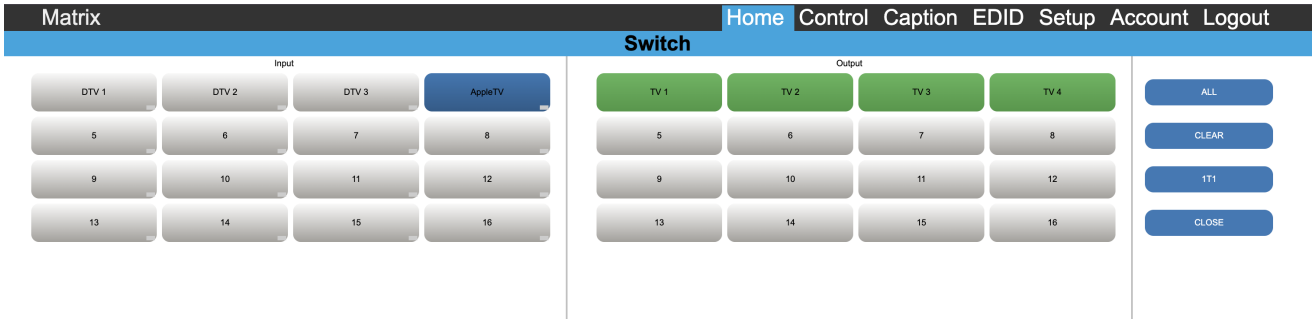
> **Account management**
>
> The Account page lets you change the login user name and password. See page 11.

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MCS web routing & control

Updated HDTV Supply screenshots · Web GUI v3.2

Home: choose a source and TVs

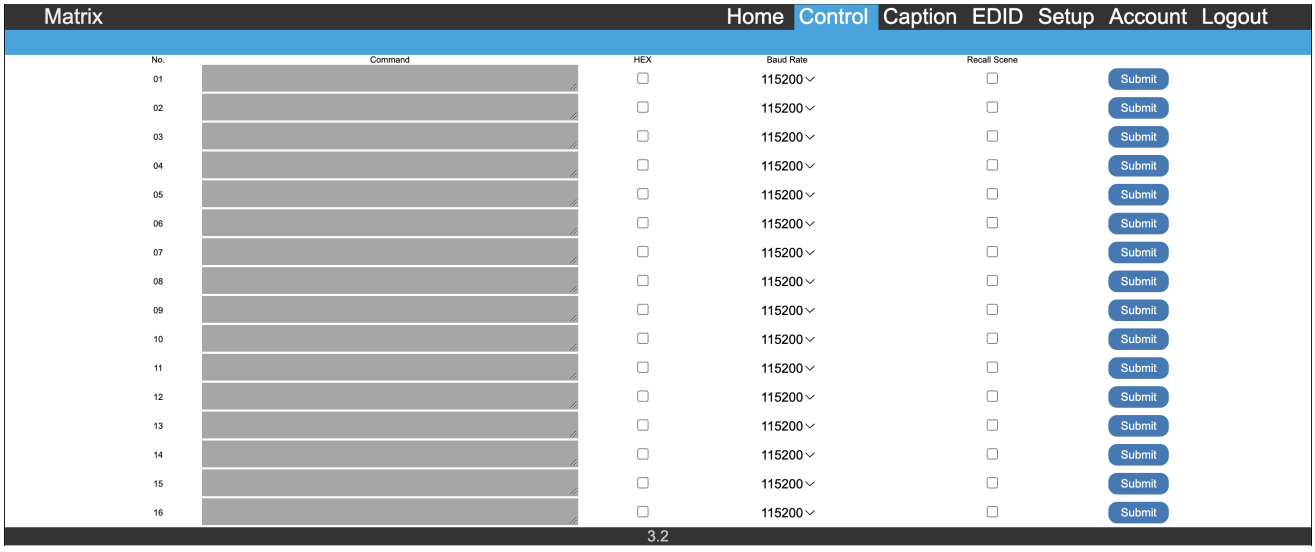


Example: AppleTV is the blue selected source; TV 1-4 are green selected outputs.

Blue · Input / Source	The selected source is shown in blue. Other sources remain gray.
Green · Output / TV	Selected TVs are shown in green. Other outputs remain gray.

Select the source on the left, then the TV outputs on the right. The screenshot shows one source selected for four TVs. Use the Caption tab to give each source and TV its own name; see page 10.

Control: other-device commands



Control rows show Command, HEX, Baud Rate, Recall Scene, and Submit.

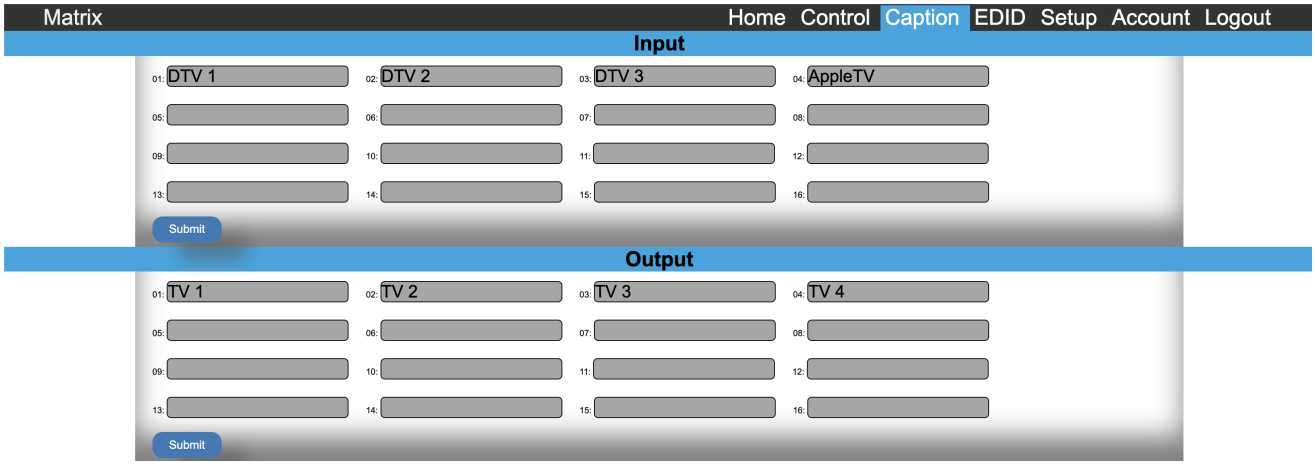
Use Control to configure RS-232 commands for other devices. Match the command format and baud rate to the controlled device; the 115200 values shown here are screenshot examples, not the matrix serial default.

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Name each source & TV

Updated HDTV Supply screenshots · Caption and EDID tabs

Caption: separate names for inputs and outputs



Inputs are sources (DTV 1, DTV 2, DTV 3, AppleTV); outputs are TVs (TV 1-4).

• Open **Caption**. In **Input**, enter a separate name beside each numbered source port, then click the Input **Submit**.

• In **Output**, enter a separate name beside each numbered TV port, then click the Output **Submit**.

• Return to **Home** to check the names. Use up to **8 characters** for input, output, and scene names.

Scene and Control captions are separate groups further down the Caption page. Name only the ports or presets you use.

EDID management



The current screen shows 16 numbered EDID selections. Values shown are examples.

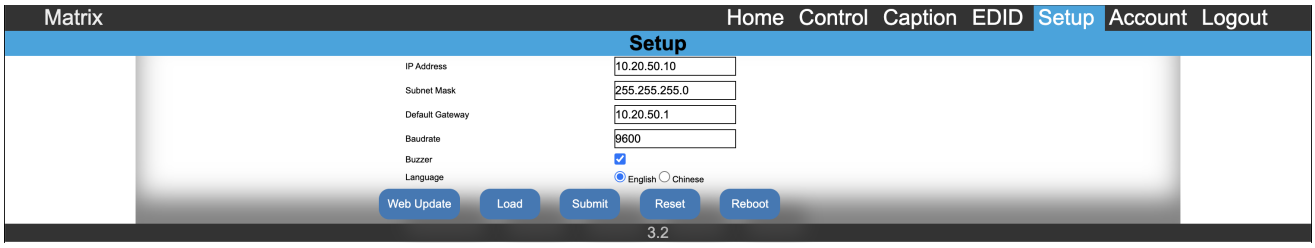
Select or configure EDID for specific inputs. The dropdown includes 1080i/1080p, 3D, 4K and DVI format labels, plus OUT1 through OUT16. Choose the setting appropriate for the connected equipment. Names shown include 1080P2.1, 4K2.1 and DVI-1024; available options depend on the installed firmware.

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Network, serial & account

Setup

Configure IP address, COM baud rate, and buzzer settings in Setup. WEB upgrade opens the system-upgrade page. Contact customer service for firmware-update instructions.

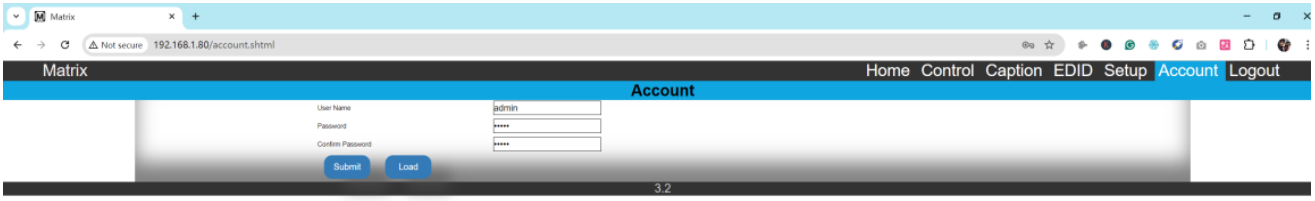


Installed-system example: IP 10.20.50.10. This is not the factory default IP.

Default matrix IP	192.168.1.80
Network control	TCP port 5000 / UDP port 4000
RS-232 settings	9600 baud; no parity (N); 8 data bits; 1 stop bit
Serial cable	Direct RS-232 cable

Account

The Account interface changes the login user name and password.



Account settings

> **Reset command**
>
> Reset. restores the account to admin/admin and the IP address to 192.168.1.80.

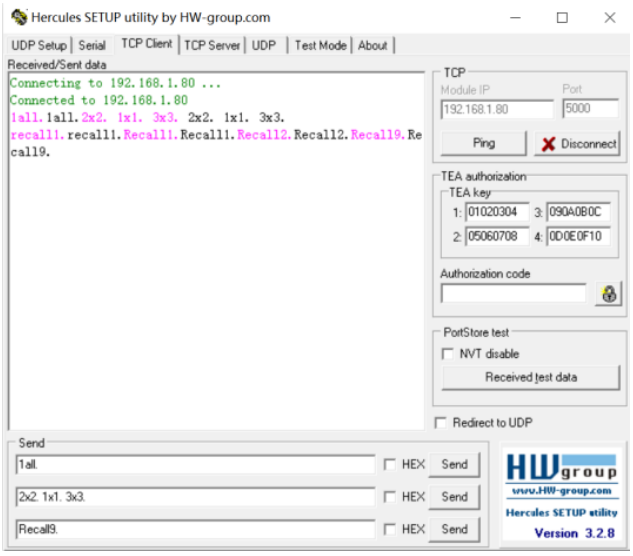
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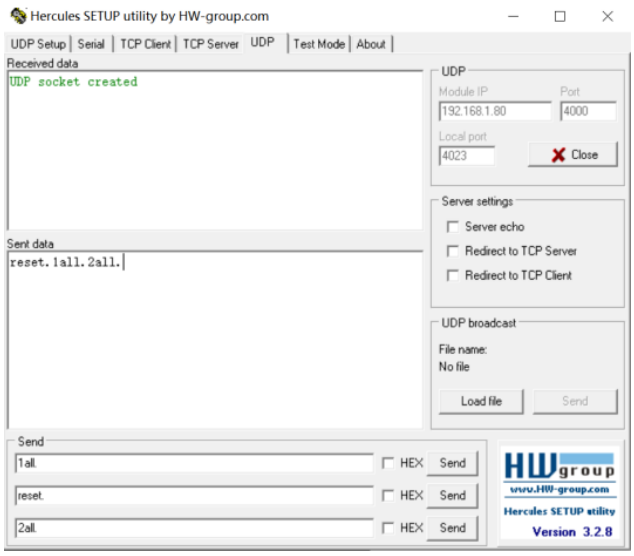
Third-party control commands

Command syntax	Function	Example
Yall.	Route input Y to all outputs.	1all.
YxY.	Route an input to an output.	2x9.
YxY.YxY.YxY.	Route an input to multiple outputs.	3x2.3x3.3x4.
SaveY.	Save to scene Y.	Save2.
RecallY.	Recall a saved scene.	Recall10.
Reset.	Restore default account and IP.	Reset.

Replace placeholders with port or preset numbers; do not type brackets. For example, **2x9.** routes input 2 to output 9; **3x2.3x3.3x4.** routes input 3 to outputs 2, 3 and 4; **Recall10.** recalls preset 10.

Control-tool examples





Example control-tool screens.

Troubleshooting

If serial switching does not work

Check the serial connection and control settings.

• Use a direct serial cable and check the PC software serial-port connection.

• For power problems, check the external power adapter and its connections. Contact customer service if the problem persists.

• For signal interference, check cables, plugs, cable suitability, grounding, and the grounding system shared by connected AC-powered devices.

• For accidental damage, contact customer service to arrange repair.

Warranty

Warranty information

The Company warrants that the process and materials of the product are not defective under normal use and service for one (1) year following the date of purchase from the Company or its authorized distributors. If the product does not work within the guaranteed warranty period, the company will choose and pay for the repair of the defective product or component, the delivery of the equivalent product or component to the user for replacement of the defective item, or refund the payment which users have made. The replaced product will become the property of the Company. The replacement product could be new or repaired. Whichever is longer, any replacement or repaired of the product or component is for a period of ninety (90) days or the remaining period of the initial warranty. The Company shall not be responsible for any software, firmware, information, or memory data contained in, stored in, or integrated with the product repaired by the customer's return, whether or not during the warranty period.

Warranty limitations and exceptions

Except above limited warranty, if the product is damaged by over usage, incorrectly use, ignore, accident, unusual physical pressure or voltage, unauthorized modification, alteration or services rendered by someone other than the Company or its authorized agent, the company will not have to bear additional obligations. Except using the product properly in the proper application or normal usage.

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Support & service

HDTV Supply, Inc.

A clear next step

For product questions, troubleshooting, or aftersales service, contact HDTV Supply.

Phone	833-WOLFPACK 833-965-3722
Customer service	customerservice@hdtvsupply.com
Website	www.hdtvsupply.com

When contacting support

Have the part number shown on the product available. Include the firmware version, the control method you used, and a description of the issue.