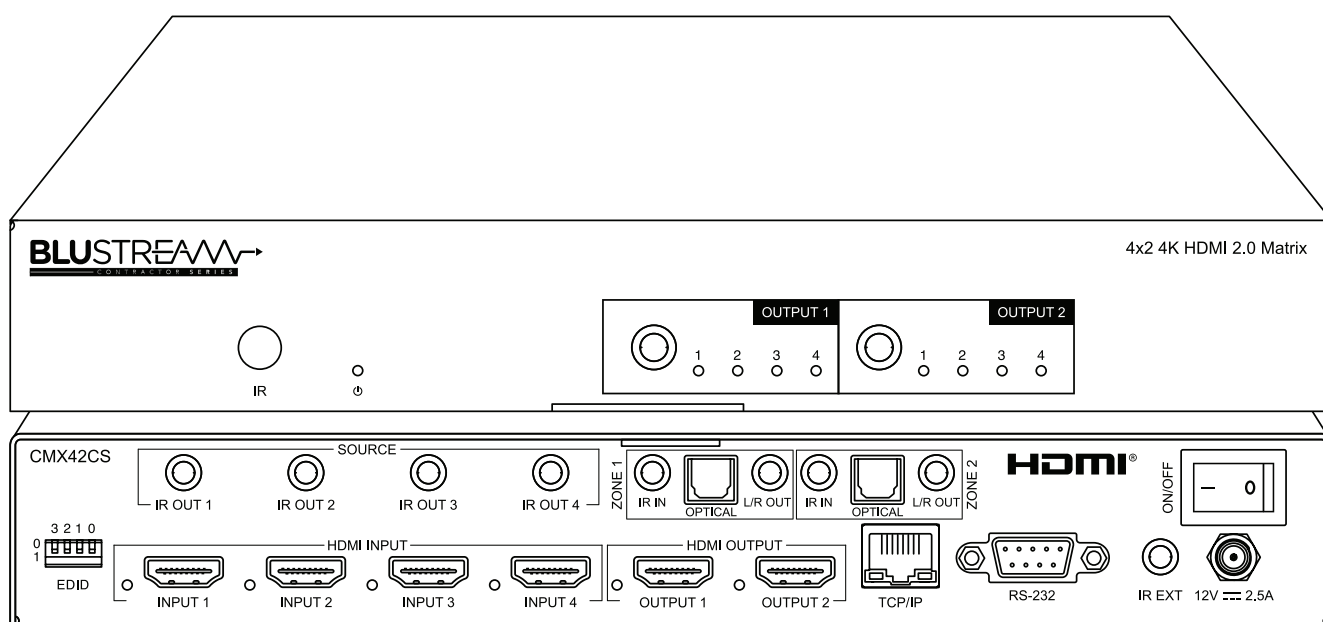




► CMX42CS

User Manual

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.



Surge Protection Device Recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.



Eco Friendly Packaging

This product has been packaged with fully recyclable materials, including compostable bags. Please help us to help the environment.

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Introduction

Our Contractor CMX42CS 4K HDMI Matrix offers unprecedented performance and value for the custom installation market.

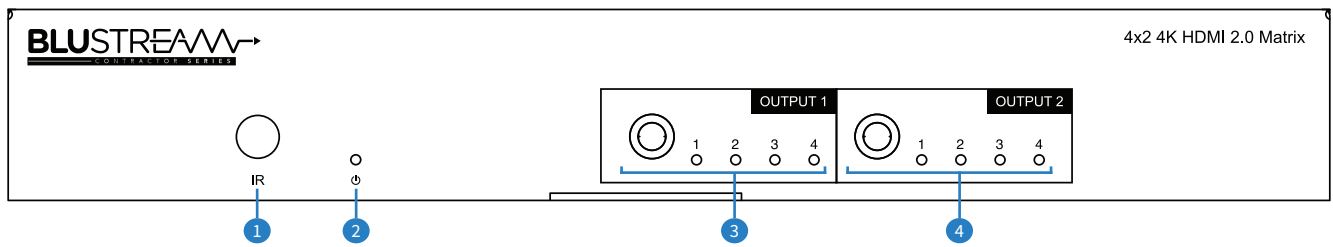
The CMX42CS supports HDMI 2.0 and HDCP 2.2, allowing distribution of four HDMI sources to two displays. This enables all sources to be viewed as required within a matrix configuration.

The unit transmits all HDMI resolutions up to and including 4K 60Hz 4:4:4. The matrix also includes audio breakout and EDID management.

FEATURES:

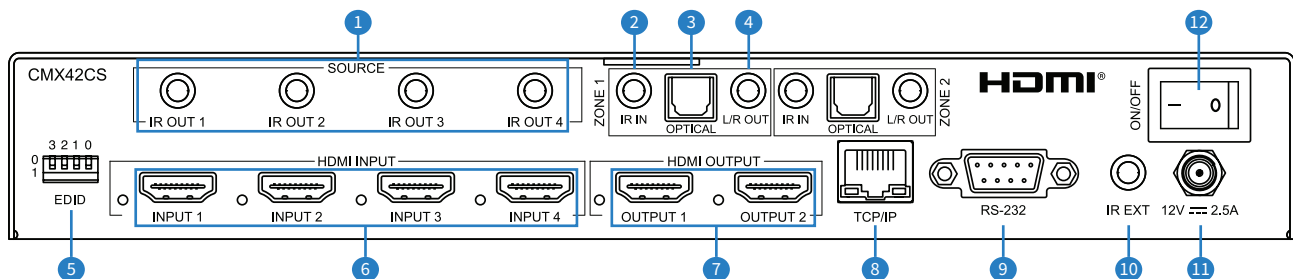
- Features 4 x HDMI inputs which can be independently routed to 2 x HDMI outputs
- Supports HDMI 2.0 18Gbps specification including HDR
- Supports up to 4K UHD 60Hz 4:4:4
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications
- HDMI audio breakout to associated output analogue L/R audio and coaxial digital outputs concurrently
- Control via front panel, IR and RS-232
- IR routing
- Supplied with Blustream 5V IR receivers and emitters
- 3rd Party drivers available for all major control brands
- Advanced EDID management
- HDCP 2.2 support

Front Panel Description



- ① IR Receiver
- ② Power LED Indicator
- ③ Output 1 Select Button – press to cycle through HDMI inputs 1-4, the currently selected input's LED will be illuminated
- ④ Output 2 Select Button – press to cycle through HDMI inputs 1-4, the currently selected input's LED will be illuminated

Rear Panel Description



- ① 4 x IR Output – provides routed IR emitter output for discrete control of sources
- ② Zone 1/2 IR In – provides zone specific routed IR receiver input
- ③ Zone 1/2 Optical Audio Breakout
- ④ Zone 1/2 Analogue L/R Audio Breakout – supports 2 channel PCM only
- ⑤ EDID DIP Switch – used for global EDID settings
- ⑥ 4 x HDMI Inputs – connect to source devices
- ⑦ 2 x HDMI Outputs – connect to display devices
- ⑧ TCP/IP – RJ45 connector for TCP/IP and web-GUI control of the matrix
- ⑨ RS-232 Serial Port – For control of switcher by third party control devices
- ⑩ IR Control Port – IR input for switcher control
- ⑪ Power Supply Port – use provided 12V/2.5A power supply
- ⑫ Power Switch

Operation and Connections

The CMX42CS is operated by using the in-built Web-GUI. Connect your input and output devices, the TCP/IP port, and power to the rear of the unit.

The front panel of the CMX42CS features buttons to cycle through the inputs and outputs; press the respective button to cycle to the next port.

Audio Breakout

The CMX42CS supports audio breakout from the HDMI outputs to corresponding analogue L/R and optical digital output zones.

Source input must be PCM 2ch audio for analogue audio outputs to work. The matrix does not down-mix multichannel audio signals

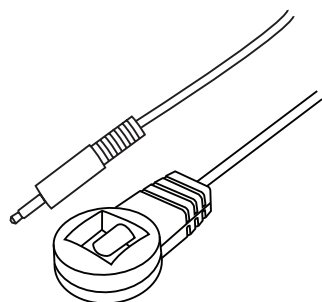
Infrared (IR) Control

The Blustream range of matrix products include Matrix control via IR.

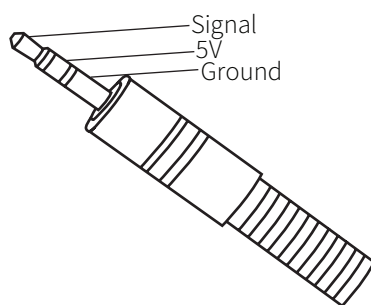
WARNING: Blustream Infrared products are all 5V and NOT compatible with alternative manufacturers Infrared solutions. When using third party 12V IR control solutions please use the Blustream IRCAB cable for IR conversion.

IR Receiver - IRR

Blustream 5V IR receiver to receive an IR signal for control of the matrix.



IR Receiver - Stereo 3.5mm

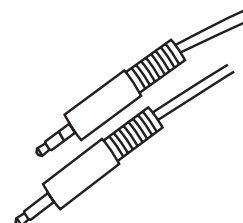


IR Control Cable - IRCAB

Blustream IR Control cable 3.5mm Mono to 3.5mm Stereo for linking third party control solutions to Blustream products.

Compatible with 12V IR 3 party products.

Please note: cable is directional as indicated.



EDID Management

EDID (Extended Display Identification Data) is a data structure that is used between a display and a source. This data is used by the source to find out what audio and video resolutions are supported by the display. By pre-determining the video resolution and audio format of the source and display device you can reduce the time needed for EDID hand shaking thus making switching quicker and more reliable.

Configuration of Matrix EDID settings can be achieved in one of four ways:

- 1 Using Matrix web browser interface (see section on Web GUI Control)
- 2 Using API commands via RS-232 or Telnet (see below)
- 3 Using Matrix EDID dipswitches (see below)

To configure the EDID via RS-232 / Telnet API:

Configuration of the EDID settings for each input can be achieved using the following API commands to specify the required EDID. Please see the section on RS-232 and Telnet API at the end of this manual for connectivity information:

EDID xx DF zz Set Input:xx EDID To Default EDID:zz

xx=00: Select All Input Port
 xx=[01...04]: Select One Input Port
 yy=[01...02]: Select One Output Port
 zz=00: HDMI 1080p@60Hz, Audio 2CH PCM
 zz=01: HDMI 1080p@60Hz, Audio 5.1CH DTS/DOLBY
 zz=02: HDMI 1080p@60Hz, Audio 7.1CH DTS/DOLBY/HD
 zz=03: HDMI 1080i@60Hz, Audio 2CH PCM
 zz=04: HDMI 1080i@60Hz, Audio 5.1CH DTS/DOLBY
 zz=05: HDMI 1080i@60Hz, Audio 7.1CH DTS/DOLBY/HD
 zz=06: HDMI 1080p@60Hz/3D, Audio 2CH PCM
 zz=07: HDMI 1080p@60Hz/3D, Audio 5.1CH DTS/DOLBY
 zz=08: HDMI 1080p@60Hz/3D, Audio 7.1CH DTS/DOLBY/HD
 zz=09: HDMI 4K@30Hz 4:4:4, Audio 2CH PCM
 zz=10: HDMI 4K@30Hz 4:4:4, Audio 5.1CH DTS/DOLBY
 zz=11: HDMI 4K@30Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD
 zz=12: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 2CH PCM
 zz=13: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 5.1CH DTS/DOLBY
 zz=14: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD
 zz=15: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 2CH PCM
 zz=16: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 5.1CH DTS/DOLBY
 zz=17: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 7.1CH DTS/DOLBY/HD
 zz=18: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 2CH PCM
 zz=19: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 5.1CH DTS/DOLBY
 zz=20: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 7.1CH DTS/DOLBY/HD
 zz=21: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 2CH PCM
 zz=22: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 5.1CH DTS/DOLBY
 zz=23: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 7.1CH DTS/DOLBY/HD
 zz=24: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 2CH PCM
 zz=25: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 5.1CH DTS/DOLBY
 zz=26: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 7.1CH DTS/DOLBY/HD
 zz=27: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 2CH PCM
 zz=28: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 5.1CH DTS/DOLBY
 zz=29: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 7.1CH DTS/DOLBY/HD
 zz=30: DVI 1280x1024@60Hz, Audio None
 zz=31: DVI 1920x1080@60Hz, Audio None
 zz=32: DVI 1920x1200@60Hz, Audio None
 zz=33: HDMI 1920x1200@60Hz, Audio 2CH PCM/6CH PCM
 zz=34: User EDID 1
 zz=35: User EDID 2
 zz=36: EDID pass-through (Copy from Sink 1)

To configure the EDID via DIP Switch:

To configure the global EDID for all inputs via the DIP switch, use the settings below.

Please note: this will override and disallow any EDID settings configured via the web GUI

3	2	1	0	EDID Type
Combination of DIP positions				
0	0	0	0	1080p 60Hz 2.0ch
0	0	0	1	1080p 60Hz 5.1ch
0	0	1	0	1080p 60Hz 7.1ch
0	0	1	1	1080i 60Hz 2.0ch
0	1	0	0	1080i 60Hz 5.1ch
0	1	0	1	1080i 60Hz 7.1ch
0	1	1	0	4K 60Hz 4:2:0 2.0ch
0	1	1	1	4K 60Hz 4:2:0 5.1ch
1	0	0	0	4K 60Hz 4:2:0 7.1ch
1	0	0	1	4K 60Hz 4:4:4 2.0ch
1	0	1	0	4K 60Hz 4:4:4 5.1ch
1	0	1	1	4K 60Hz 4:4:4 7.1ch
1	1	0	0	DVI 1280x1024@60Hz
1	1	0	1	DVI 1920x1080@60Hz
1	1	1	0	DVI 1920x1200@60Hz
1	1	1	1	Software EDID

Web-GUI - Log In and Initialisation

The following sections will take you through the operation of the units web-GUI. You must connect the TCP/IP RJ45 socket to your local network, or directly from your computer to the CMX42CS, in order to access the product's web-GUI.

By default the unit is set to DHCP, however if a DHCP server (eg: network router) is not installed, the unit's IP address will revert to below details:

Default IP Address is: [192.168.0.200](#)

Default Admin Username is: [blustream](#)

Default Admin Password is: [@Bls1234](#)

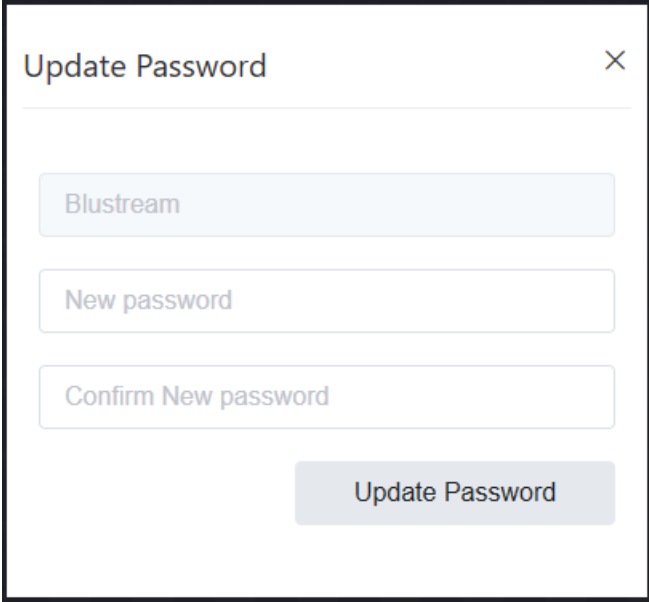
The CMX42CS is able to be accessed via it's hostname if the IP address is not known:

Default mDNS is: [cmx42cs.local](#)

Login Page:

The web-GUI supports multiple users along with multiple user permissions as follows:

- Admin (Blustream) The Admin account allows full access to all functions and configuration of the unit
- User Accounts User accounts can be utilised, each with individual login details, and can be assigned permissions to specific ports and presets.
- Guest The Guest account can access the control page without logging in



The screenshot shows a modal window titled "Update Password" with a close button in the top right corner. Inside the window, there are three text input fields. The first field is labeled "Blustream" and contains the text "Blustream". The second field is labeled "New password" and is empty. The third field is labeled "Confirm New password" and is empty. Below these fields is a button labeled "Update Password".

Please note: the first time the Administrator logs into the web-GUI of the CMX42CS, the default password must be changed to a unique password. Please retain this password for future use. Forgetting the password will mean having to factory reset the unit, losing all configuration settings.

Passwords can be changed as required within the web-GUI of the unit once logged in.

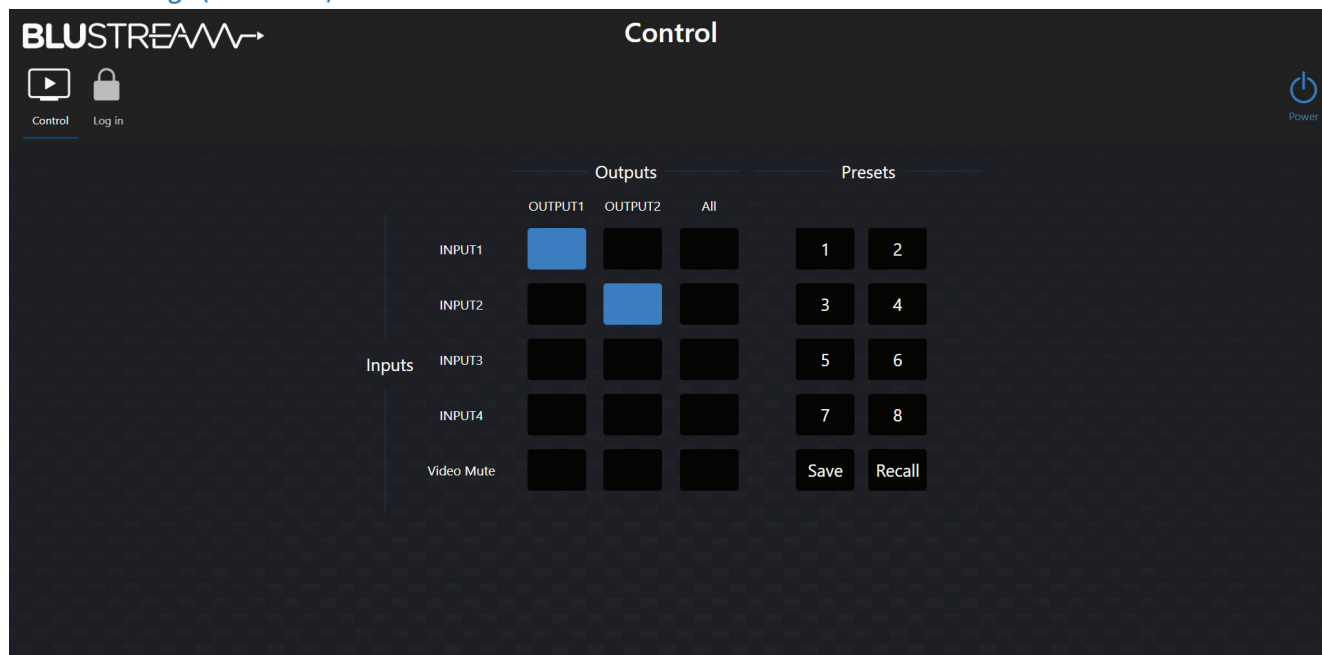
Guest Control Page:

The Guest user is able to access the Control page of the web-GUI without logging in. Depending on the permissions set, control for the specific input, outputs can presents can be accessed from here.

Permissions can be set or revoked from the Users page when logged in, depending on the requirements of the installation.

It is recommended to set permissions for the Guest user to avoid unwanted access and/or changes to the CMX42CS.

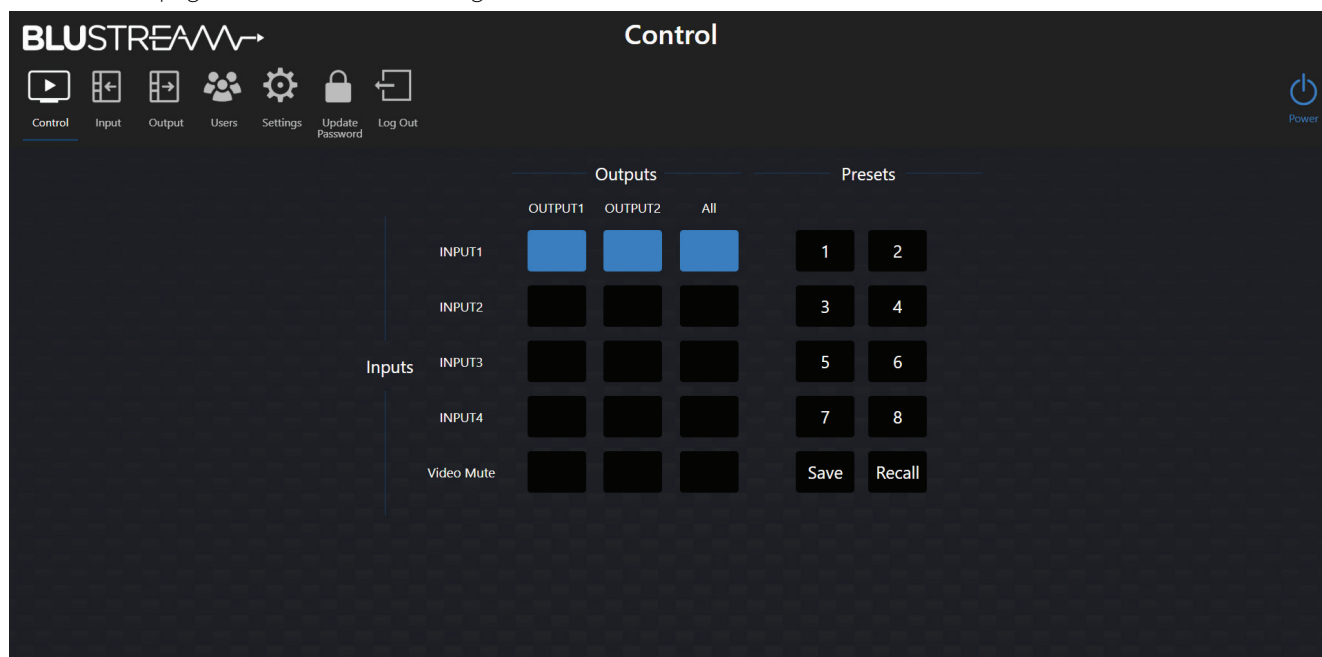
Guest Control Page (continued)



Web-GUI - Control

After logging into the CMX42CS, the user will be directed to the **Control** page.

From the control page, the matrix can be configured.



Outputs:

- To route an input to an output, simply select the square that corresponds with the input (row) and output (column) you wish to change.
- The video and audio of each output can be turned off by pressing the corresponding square in the Video Mute row.

Web-GUI - Control (continued)

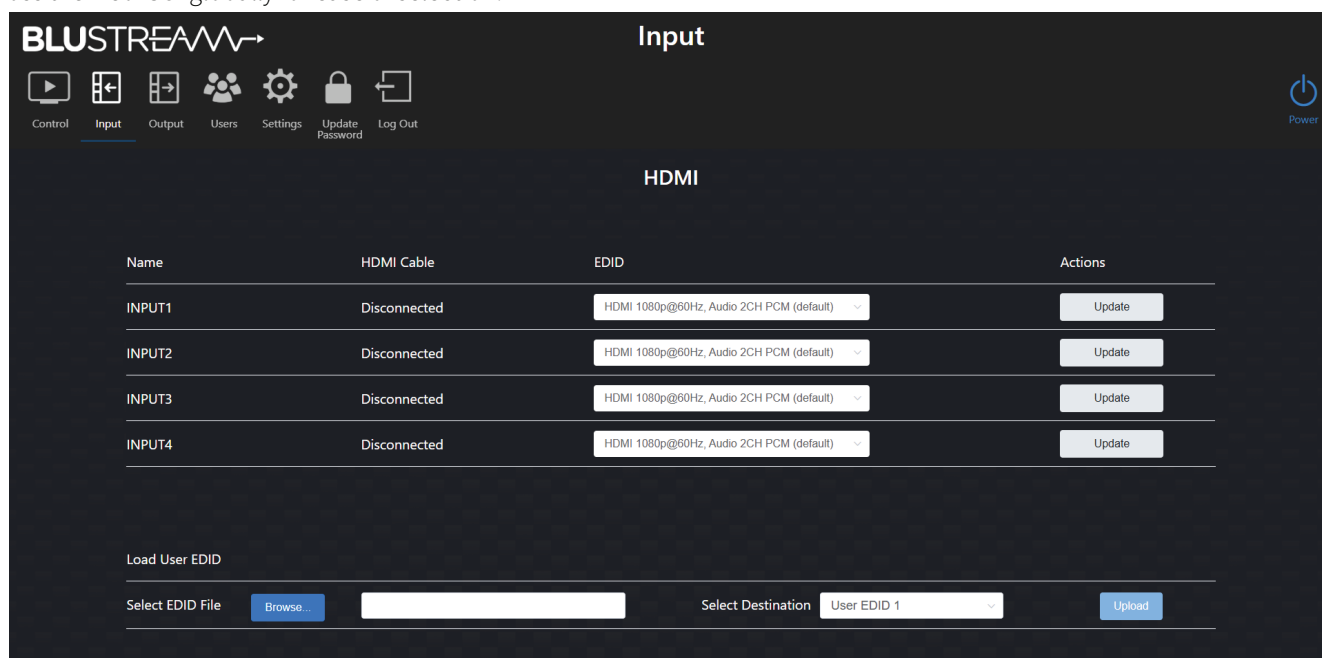
Presets:

- The CMX42CS contains 8 custom presets that can be switched to by pressing the corresponding preset button. These can be used to easily recall matrix configurations.
- Once configured, select preset button, and then press the Save button to assign it. The configuration will be saved to the selected preset number.
- The preset can then be recalled by selecting the desired preset button, and pressing the Recall button.

Web-GUI - Input

The Input configuration page allows renaming and EDID selection for each input of the CMX42CS.

Clicking the 'Update' button to the right of each input allows for the name of the input to be updated. This name is updated across the web-GUI globally for ease of selection.



Name:

- Displays the name of the input

HDMI Cable:

- Displays the connection status of the input port

EDID:

- EDID selection can be made for each input source device to ensure the correct video and audio resolutions are requested from the CMX42CS to the source. The drop down menu contains all of the EDID formats supported, the ability to copy the EDID from another output with a connected display, and also the ability to load up to 2 x user defined EDIDs

Actions:

- The Update button will open a sub menu to configure the following options:

Update INPUT1

Name

INPUT1

Update

Name:

- The name of the input can be updated by entering a new name into the name field pressing the Update button

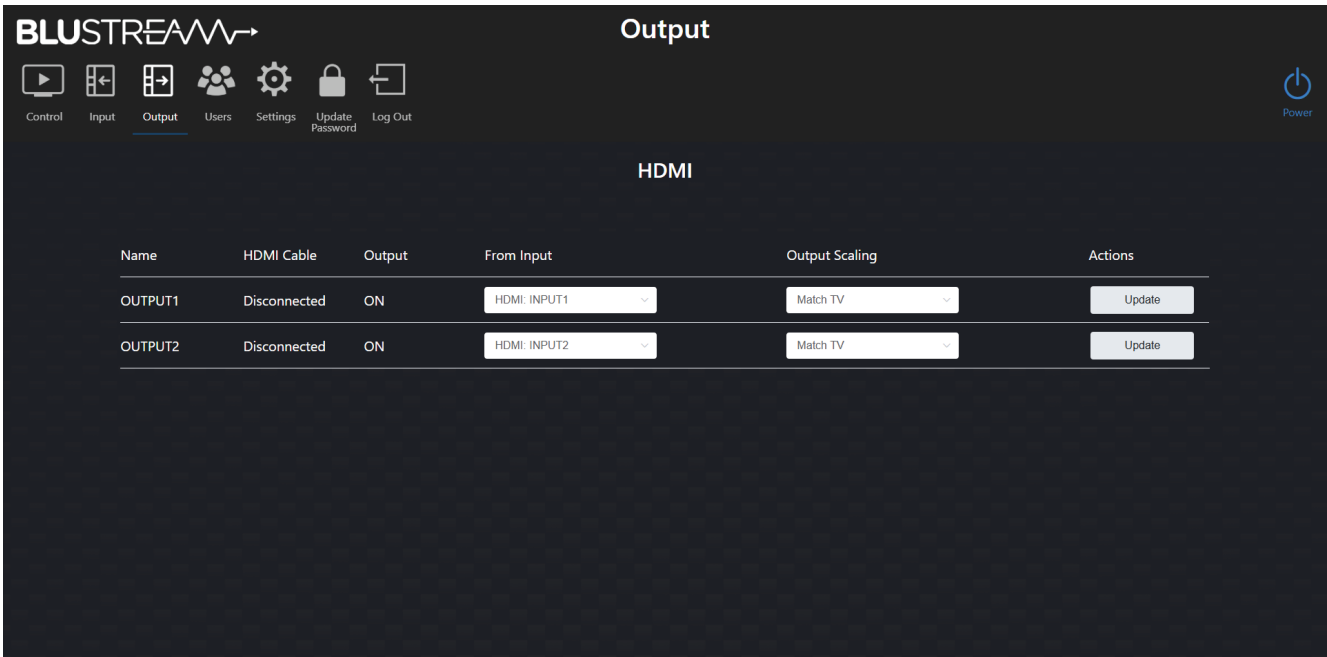
User Define EDID

- It is possible to upload custom EDID .bin files to the CMX42CS if a specific EDID is not listed within the standard formats. A custom EDID file can be generated from a third party EDID generation tool, and uploaded using the Load and Upload buttons. There are 2 x custom EDID slots available that can be directed at any of the 4 x inputs.

Once a file has been uploaded, it's name will be displayed under EDID File Name when the corresponding User Define EDID is selected from the drop down menu

Web-GUI - Output

The Output configuration page allows renaming and EDID selection for each output of the CMX42CS. Clicking the 'Update' button to the right of each output allows for the renaming. This name is updated globally across the web-GUI globally for ease of selection.



Name:

- Lists the name of the output

HDMI Cable:

- Displays the connection status of the output port

Output:

- Displays the if the output has been turn on or off.

From Input:

- Allows manual selection of the input to route to the output

Output Scaling:

- Allows the resolution for each output to be individually controlled
 - Bypass
 - Force 1080p
 - Match TV

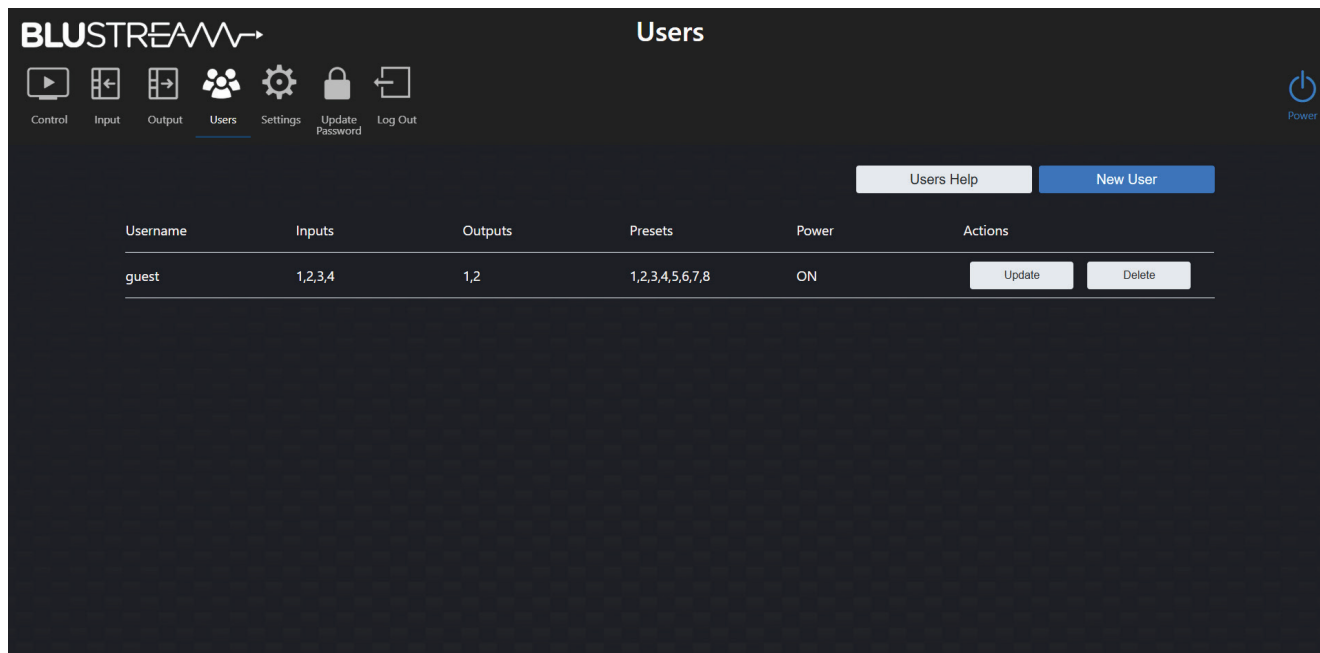
Actions:

- The Update button will open a sub menu to configure the following items:



Web-GUI - Users

The CMX42CS can be set up with multiple users with unique logins. The added users will only have access to the control page of the web-GUI.



To create a new user, press the New User button to open a sub menu:

Create User

Username

Password

Confirm Password

Power ☒ ON

Inputs ☒ 1 ☒ 2 ☒ 3 ☒ 4

Outputs ☒ 1 ☒ 2

Presets ☒ 1 ☒ 2 ☒ 3 ☒ 4 ☒ 5 ☒ 6 ☒ 7 ☒ 8

Create

The new user will appear in the list.

Username	Inputs	Outputs	Presets	Power	Actions
User1	1,2,3,4	1,2	1,2,3,4,5,6,7,8	ON	<button>Update</button> <button>Delete</button>
guest	1,2,3,4	1,2	1,2,3,4,5,6,7,8	ON	<button>Update</button> <button>Delete</button>

The Update button will open a sub menu to configure the following options:

Update User1

Update Password

Update Ports

Web GUI - Users (continued)

Update Password

✕

Password

Confirm Password

Update

Update Ports

✕

Power

OFF

Inputs

1

2

3

4

Outputs

1

2

Presets

1

2

3

4

5

6

7

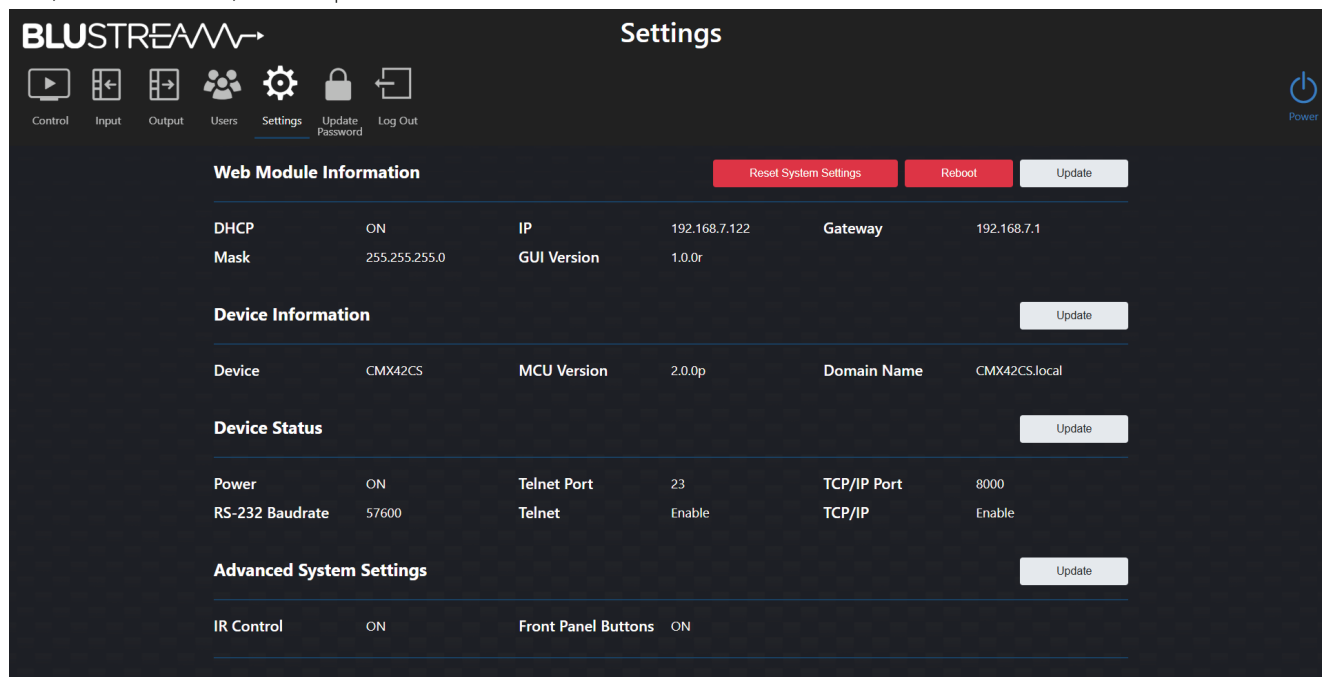
8

Update

Once the password/privileges have been configured, press the Update button at the bottom of the sub menu to apply any changes. The new user will now allow be able to access the functions that have been enabled.

Web-GUI - Settings

The Settings page allows for configuration of various functions of the CMX42CS and provides information such as firmware version, network details, and temperature.



Reset System Settings:

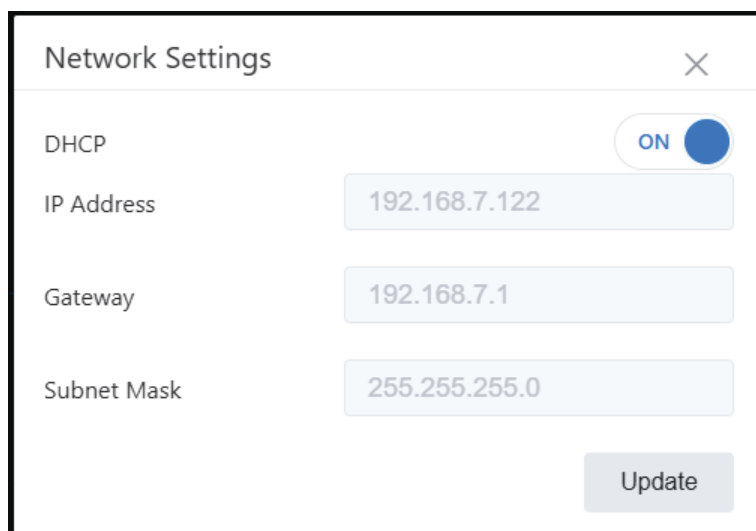
- Returns all device settings to their default state.

Reboot:

- Reboots the CMX42CS

Web Module Information:

The Update button will open a sub menu to configure the following options:

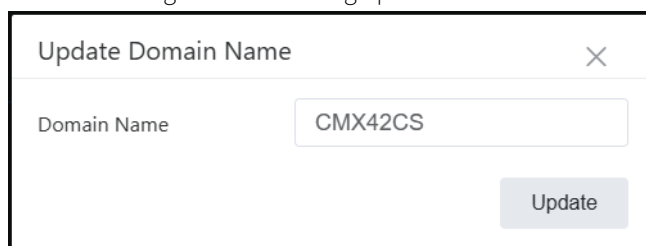


- DHCP ON / OFF
- IP Address Manually assign the IP Address of the CMX42CS, disabled if DHCP is on
- Subnet Mask Manually set the Subnet Mask, disabled if DHCP is on
- Gateway Manually set the Gateway, disabled if DHCP is on

Press the Update button at the bottom of the sub menu to apply any changes

Device Information:

The Update button will open a sub menu to configure the following option:

A dialog box titled "Update Domain Name" with a close button (X) in the top right corner. It contains a label "Domain Name" followed by a text input field containing "CMX42CS". At the bottom right is a button labeled "Update".

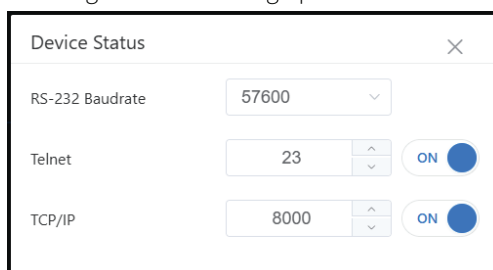
Update Domain Name	
Domain Name	CMX42CS
Update	

Where the IP address of the CMX42CS is not known, the Domain Name can be used to connect to the web-GUI. By default this is set to cmx42cs.local

Press the Update button at the bottom of the sub menu to apply any changes.

Device Status:

The Update button will open a sub menu to configure the following options:

A dialog box titled "Device Status" with a close button (X) in the top right corner. It contains three settings: "RS-232 Baudrate" with a dropdown menu showing "57600", "Telnet" with a numeric input field showing "23" and an "ON" toggle switch, and "TCP/IP" with a numeric input field showing "8000" and an "ON" toggle switch.

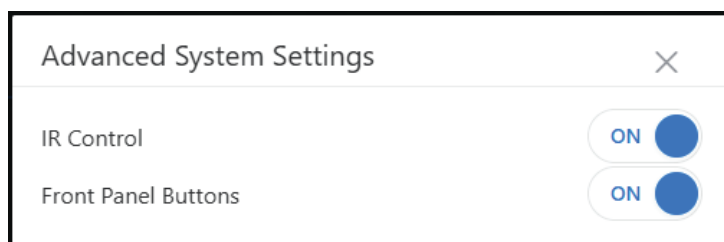
Device Status	
RS-232 Baudrate	57600
Telnet	23 ON
TCP/IP	8000 ON

- Domain Name Alphanumeric characters, no spaces

Press the Update button at the bottom of the sub menu to apply any changes; the updated domain name will be displayed.

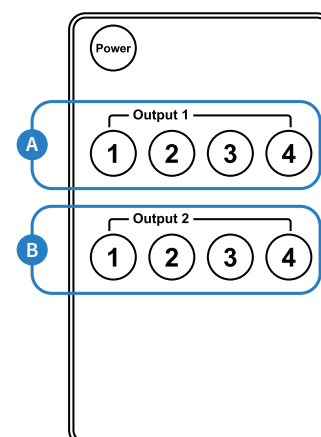
Advanced System Settings:

The Update button will open a sub menu to configure the following options:

A dialog box titled "Advanced System Settings" with a close button (X) in the top right corner. It contains two settings: "IR Control" and "Front Panel Buttons", each with an "ON" toggle switch.

Advanced System Settings	
IR Control	ON
Front Panel Buttons	ON

- IR Control ON / OFF
- Front Panel Buttons ON / OFF

[illegible]

Specifications

- **Video Input Connectors:** 4x HDMI Type A, 19-pin, female
- **Video Output Connectors:** 2x HDMI Type A, 19-pin, female
- **Audio Input Connectors:** 4x Analogue audio L/R (3.5mm stereo Jack)
- **Audio Output Connectors:** 4x RCA (S/PDIF), 4x Analogue audio L/R (3.5mm stereo Jack)
- **RS-232 serial port:** DB-9, female
- **IR Input ports:** 3 x 3.5mm stereo jack
- **IR Output ports:** 4 x 3.5mm mono jack
- **Casing Dimensions (W x D x H):** 440mm x 225mm x 44mm
- **Dimensions Including Connections (W x D x H):** 440mm x 231mm x 50mm
- **Shipping Weight:** 2.3kg
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)
- **Power Supply:** 12V/2.5A DC

NOTE: Specifications are subject to change without notice. Weights and dimensions are approximate.

Package Contents

- 1 x CMX42CS
- 1 x 12V/2A DC Power Supply
- 1 x Remote Control
- 4 x IR Emitter
- 3 x IR Receiver
- 1 x Mounting Kit
- 1 x Quick Reference Card

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

RS-232 Configuration and Telnet Commands

The CMX42CS can be controlled via serial and TCP/IP.

The default RS-232 communication settings are:

Baud rate: 57600

Data bits: 8

Stop bits: 1

Parity bit: none

The following pages list all available serial / IP commands.

Commonly Used Serial Commands

There are several commands that are commonly used for control and testing:

STATUS Status will give feedback on the switcher such as outputs on, type of connection, etc.

PON Power on

POFF Power off

OUTON/OFF Toggling the main output ON or OFF as required

Example: OUTON (This would turn the main output on)

OUT FRyy (yy is the input)

Example: OUT FR04 (This would switch the main output to source input 4)

Common Mistakes

- Carriage return: Some programs do not require the carriage return where as other will not work unless sent directly after the string. In the case of some Terminal software the token <CR> is used to execute a carriage return. Depending on the program you are using this token maybe different. Some other examples that other control systems deploy include \r or 0D (in hex)
- Spaces: Blustream commands do not require space between commands unless specified. There may be some programs that require spacing in order to work.
 - How the string should look is as follows: OUTON
 - How the string may look if spaces are required: OUT{Space}ON
- Baud rate or other serial protocol settings not correct

RS-232 Configuration and Telnet Commands (continued)

COMMAND	ACTION
?	Print Help Information
HELP	Print Help Information
STATUS	Print System Status And Port Status
FWVER	Print All Firmware Version
PON	Power On, System Run On Normal State
POFF	Power Off, System Run On Power Save State
REBOOT	Set System And Network Reboot
IR ON/OFF	Set System IR Control On Or Off
KEY ON/OFF	Set System KEY Control On Or Off
RSB x	Set RS232 Baud Rate to X bps x=[0:115200 1:57600, 2:38400, 3:19200, 4:9600]
RESET	Reset System To Default Setting
RESET ALL	Reset System And Network To Default Setting (Should Type "Yes" To Confirm, "No" To Discard)
OUT xx ON/OFF	Set Output:xx On Or Off
OUT xx SCALING yy	Set Output:xx Video Mode yy xx=00: Select All Output Port xx=[01...02]: Select One Output Port yy=[01]: Select Output Port Video Mode Bypass yy=[02]: Select Output Port Video Mode Force_1080p yy=[03]: Select Output Port Video Mode Match TV
OUT xx FR yy	Set Output:xx From Input:yy
EDID xx CP yy	Set Input:xx EDID Copy From Output:yy
EDID xx DF zz	Set Input:xx EDID To Default EDID:zz xx=00: Select All Input Port xx=[01...04]: Select One Input Port yy=[01...02]: Select One Output Port zz=00: HDMI 1080p@60Hz, Audio 2CH PCM zz=01: HDMI 1080p@60Hz, Audio 5.1CH DTS/DOLBY zz=02: HDMI 1080p@60Hz, Audio 7.1CH DTS/DOLBY/HD zz=03: HDMI 1080i@60Hz, Audio 2CH PCM zz=04: HDMI 1080i@60Hz, Audio 5.1CH DTS/DOLBY zz=05: HDMI 1080i@60Hz, Audio 7.1CH DTS/DOLBY/HD zz=06: HDMI 1080p@60Hz/3D, Audio 2CH PCM zz=07: HDMI 1080p@60Hz/3D, Audio 5.1CH DTS/DOLBY zz=08: HDMI 1080p@60Hz/3D, Audio 7.1CH DTS/DOLBY/HD zz=09: HDMI 4K@30Hz 4:4:4, Audio 2CH PCM zz=10: HDMI 4K@30Hz 4:4:4, Audio 5.1CH DTS/DOLBY zz=11: HDMI 4K@30Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD zz=12: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 2CH PCM zz=13: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 5.1CH DTS/DOLBY zz=14: HDMI 4K@60Hz 4:2:0/4K@30Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD zz=15: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 2CH PCM

COMMAND	ACTION
EDID xx DF zz	zz=16: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 5.1CH DTS/DOLBY zz=17: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 7.1CH DTS/DOLBY/HD zz=18: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 2CH PCM zz=19: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 5.1CH DTS/DOLBY zz=20: HDMI 4K@60Hz 4:4:4, HDR 10-bit, Audio 7.1CH DTS/DOLBY/HD zz=21: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 2CH PCM zz=22: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 5.1CH DTS/DOLBY zz=23: HDMI 4K@60Hz 4:4:4, HDR 12-bit, Audio 7.1CH DTS/DOLBY/HD zz=24: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 2CH PCM zz=25: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 5.1CH DTS/DOLBY zz=26: HDMI 4K@60Hz 4:4:4, HDR 10-bit (Inc DV), Audio 7.1CH DTS/DOLBY/HD zz=27: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 2CH PCM zz=28: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 5.1CH DTS/DOLBY zz=29: HDMI 4K@60Hz 4:4:4, HDR 12-bit (Inc DV), Audio 7.1CH DTS/DOLBY/HD zz=30: DVI 1280x1024@60Hz, Audio None zz=31: DVI 1920x1080@60Hz, Audio None zz=32: DVI 1920x1200@60Hz, Audio None zz=33: HDMI 1920x1200@60Hz, Audio 2CH PCM/6CH PCM zz=34: User EDID 1 zz=35: User EDID 2 zz=36: EDID pass-through (Copy from Sink 1)
PRESET STATUS	Print Preset Config Status
PRESET pp SET aa,bb	Set Preset:pp Config
PRESET pp SAVE	Save Current Output Connection To Preset:pp Config
PRESET pp APPLY	Apply Preset:pp Config To Output Connection pp=[01..08] : Select Preset Index aa=[01..04] : Output 01 From Input 01...04, [00] : Not Set bb=[01..04] : Output 02 From Input 01...04, [00] : Not Set
NET DHCP ON/OFF	Set Auto IP(DHCP) ON Or OFF
NET IP xxx.xxx.xxx.xxx	Set IP Address
NET GW xxx.xxx.xxx.xxx	Set Gateway Address
NET SM xxx.xxx.xxx.xxx	Set Subnet Mask Address
NET RB	Set Network Reboot and Apply New Config!!!
NET TCPPORT xxxx	Set TCP/IP Port
NET TCPPORT ON/OFF	Set TCP/IP On Or Off
NET TN xxxx	Set Telnet Port
NET TN ON/OFF	Set Telnet On Or Off
NET DNS xxxx	Set DNS Domain Name To xxxx

Certifications

FCC Notice

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.

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

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CANADA, AVIS D'INDUSTRY CANADA (IC)

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003.

Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.





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