

USER MANUAL DCP-MTX 100m 4K HDBaseT Daisy-Chain Presentation Switcher





TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS	03
1. INTRODUCTION	04
2. PACKING LIST	05
3. SPECIFICATIONS	06
4. PANEL OVERVIEW	08
4.1 Front Panel	08
4.2 Rear Panel	09
5. EDID SWITCH	10
6. APPLICATION & INSTALLATION	11
6.1 Typical Application	11
6.2 Installation & Connection	13
7. CEC & RS232 AUTO CONTROL	17
8. SET-UP & CONTROL	20
8.1 MYTURN	20
8.2 Web UI	22
8.2.1 Log Into Web UI	22
8.2.2 Control Through Web UI	23
8.2.2.1 Status	25
8.2.2.2 Configuration	25
8.2.2.3 Advanced	33
8.2.2.4 Device List	38
8.3 Telnet	39
9. RESET	40
APPENDIX: API COMMAND SET	41



IMPORTANT SAFETY INSTRUCTIONS



NOTE: We reserve the right to change the content from time to time without notice.



WARNINGS: To reduce the risk of fire, electric shock or product damage, please observe the following Safety Instructions while installing and operating the product:



Do not expose this apparatus to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.



Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.



To prevent risk of electric's hock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



Do not place sources of naked flames, such as lighted candles, on the unit.



Clean this apparatus only with dry cloth.



Unplug this apparatus during lightning storms or when unused for long periods of time.



Protect the power cord from being walked on or pinched particularly at plugs.



Only use attachments/accessories specified by the manufacturer.



Refer all servicing to qualified service personnel.



1. INTRODUCTION

DCP-MTX is a Daisy-Chain Presentation Switcher able to transmit 4K signal over HDBaseT up to 100 meters and supports cascade connection of multiple A/V sources, displays or any devices capable of HDBaseT transmission.

DCP-MTX accepts video signals from HDMI IN, Display Port IN or VGA IN as well as embedded audio signal from a 3.5 mm AUDIO IN port and cascades selected signal through HDBaseT. An HDMI OUT port is provided for connection of a local display device or zone displays.

DCP-MTX builds in a 2-port ETHERNET Switch and allows Ethernet pass-through over HDBaseT for LAN control or access. A RS232 port is installed to allow display device control or RS232 pass-through.

The one-of-a-kind MYTURN button is designed for local selection of input signal and setting up IP sequence for a DCP system. An EDID switch is also available for manual configuration of the EDID parameter of the device. A USB charger provides power for mobile phones, tablets, and the like.

DCP-MTX is designed bearing user-friendliness in mind. For users with different level of A/V switching experience, DCP-MTX offers various control options: through the physical MYTURN button on the front panel, the intuitive Web UI, or Telnet control for advanced users. For users who look for a Presentation Switcher with great ease of control and versatility in connection, DCP-MTX is the choice.

DCP-MTX offers a future-ready Ultra HD A/V switching and distribution solution and is ideal for collaboration or presentation in conference and education applications.

Features

- HDMI, DisplayPort and VGA IN and stereo Audio IN.
- Local HDMI bypass output with audio de-embedder
- Cascade multiple A/V sources and displays through HDBaseT
- HDMI IN and DP IN with HDCP 2.2 compatibility
- Supports 4K@60Hz 4:2:0 8-bit up to 70m over Cat5e/Cat6, or up to 100m over Cat6a/Cat7
- Built-in CEC controller and RS232 controller
- Daisy-chain Grouping for setting up separate groups with a system
- Intuitive WEB UI control and Telnet control for advanced users
- MYTURN button for signal switching and IP sequencing
- Built-in 2-Port Ethernet Switch for LAN control or access
- Built-in USB charger provides power of 5V/1.5A
- Independent DIP switch for EDID management
- Advanced signal re-locking and cable equalization for multiple daisy-chains



2. PACKING LIST

- 1 x DCP-MTX
- 1 x Power Supply (12 DVC, 3A)
- 3 x Phoenix Male Connectors (3.5 mm, 3 pins)
- 2 x Phoenix Male Connectors (3.5 mm, 4 pins)
- 2 x Mounting Brackets
- 1 x User Manual (this manual)



3. SPECIFICATIONS

Technical				
Input Connectors	1 x HDMI IN, 1 x DisplayPort IN, 1 x VGA IN, 1 x HDBaseT IN			
Input Video Type	HDMI 2.0 with HDCP 2.2, DP 1.2, VGA, HDBaseT			
Input Resolution	 HDMI 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz, 1080p@24/25/30/50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576p@50Hz, 480p@60Hz, 1920 x 1200@60Hz, 1680 x 1050@60Hz, 1600 x 1200@60Hz, 1600 x 900@60Hz, 1440 x 900@60Hz, 1400 x 1050@60Hz, 1366 x 768@60Hz, 1360 x 768@60Hz, 1280 x 1024@60H, 1280 x 960@60Hz, 1280 x 800@60Hz, 1280 x 768@60Hz, 1024 x 768@60Hz, 800 x 600@60Hz. DisplayPort 800 x 600@60 Hz, 1024 x 768@60Hz, 1280 x 768@60Hz, 1280 x 800@60Hz, 1280 x 960@60Hz, 1280 x 1024@60Hz, 1360 x 768@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1600 x 900@60Hz, 1600 x 1200@60Hz, 1680 x 1050@60Hz, 1920 x 1080@60Hz, 1920 x 1200@60Hz, 1280 x 720P@50Hz, 1280 x 720P@60Hz, 1920 x 1080P@50Hz, 1920 x 1080P@60Hz, 3840 x 2160@50Hz, 3840 x 2160@60Hz, 4096 x 2160@50Hz, 4096 x 2160@60Hz. VGA 800 x 600@60 Hz, 1024 x 768@60Hz, 1280 x 768@60Hz, 1280 x 768@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1600 x 900@60Hz, 1600 x 2100@60Hz, 1280 x 960@60Hz, 1280 x 1024@60Hz, 1360 x 768@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1600 x 900@60Hz, 1600 x 1200@60Hz, 1280 x 960@60Hz, 1280 x 1024@60Hz, 1360 x 768@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1600 x 900@60Hz, 1600 x 1200@60Hz, 1880 x 1050@60Hz, 1920 x 1080@60Hz, 1920 x 1200@60Hz, 1280 x 720P@50Hz, 1280 x 720P@60Hz, 1920 x 1080P@50Hz, 1920 x 1200@60Hz, 1280 x 720P@50Hz, 1280 x 720P@60Hz, 1920 x 1080P@50Hz, 1920 x 1080P@50Hz, 			
Output Connectors	1 x HDMI OUT, 1 x HDBaseT OUT			
Output Signal Type	DMI 2.0, HDBaseT			
Output Resolution	 HDMI 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz, 1080p@24/25/30/50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576p@50Hz, 480p@60Hz; 1920 x 1200@60Hz, 1680 x 1050@60Hz, 1600 x 1200@60Hz, 1600 x 900@60Hz, 1440 x 900@60Hz, 1400 x 1050@60Hz, 1366 x 768@60Hz, 1360 x 768@60Hz, 1280 x 1024@60Hz, 1280 x 960@60Hz, 1280 x 800@60Hz, 1280 x 768@60Hz, 1024 x 768@60Hz, 800 x 600@60Hz DisplayPort 800 x 600@60 Hz, 1024 x 768@60Hz, 1280 x 768@60Hz, 1280 x 800@60Hz, 1280 x 960@60Hz, 1280 x 768@60Hz, 1280 x 768@60Hz, 1360 x 768@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1600 x 900@60Hz, 1600 x 1200@60Hz, 1280 x 1050@60Hz, 1920 x 1080@60Hz, 1920 x 1200@60Hz, 1280 x 720P@50Hz, 1280 x 720P@60Hz, 1920 x 1080P@50Hz, 1920 x 1080P@60Hz, 3840 x 2160@50Hz, 3840 x 2160@60Hz, 4096 x 2160@50Hz, 4096 x 2160@60Hz, 1280 x 768@60Hz, 1280			

6 USER MANUAL DCP-MTX

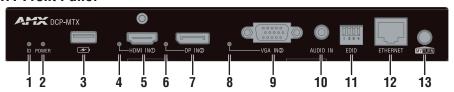


Video Impedance	100 Ω		
Input Video Level	0.5 - 1.2 V p-p		
Input DDC Level	5 volts p-p (TTL)		
Maximum Pixel Clock	300 MHz		
Audio			
Input	1 x AUDIO IN (for VGA, DP/HDMI/HDBT embedded audio input)		
Output	1 x AUDIO OUT (for HDMI de-embedded audio or Stereo audio output)		
Control			
Control Methods	MYTURN, Contact Closure, Telnet, Web UI		
General			
Operating Temperature & RH	32°F ~ 113°F (0°C ~ 45°C), 10% ~ 90% (non-condensing)		
Storage Temperature & RH	-4°F ~ 158°F (-20°C ~ 70°C), 10% ~ 90% (non-condensing)		
ESD Protection	Human-body model:		
Power Supply	12 VDC, 3A		
Power Consumption	20.52 W (Maximum)		
Dimensions (W x H x D)	223 mm x 27 mm x 124.2 mm		
Weight	0.8 kg		
Certification	CE, FCC		



4. PANEL OVERVIEW

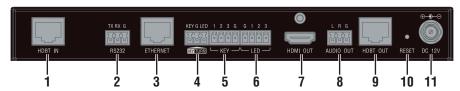
4.1 Front Panel



Item	Name	Description	
1	ID LED	Indicates the device to be controlled. The LED will flash when the ID button in the Web UI (Configure > Device) is turned ON.	
2	POWER LED	Illuminates when the device is powered on.	
3	USB connector	Provides power (5V/1.5A) for USB devices.	
4	HDMI IN LED	Illuminates when HDMI IN is selected as input source.	
5	HDMI IN	Connects to an HDMI source device.	
6	DP IN LED	Illuminates when DP IN is selected as input source.	
7	DP IN	Connects to a DisplayPort source device.	
8	VGA IN LED	Illuminates when VGA IN is selected as input source.	
9	VGA IN	Connects to a VGA source device.	
10	AUDIO IN	Accepts audio input.	
11	EDID switch	Uses a DIP switch for EDID management.	
12	ETHERNET	Connects to a LAN device, e.g. laptop, for LAN accesss or Web control.	
13	MYTURN button	Uses this button to switch active input signal, activate / de-activate the device in a system or execute IP sequencing.	



4.2 Rear Panel



Item	Name	Description		
1	HDBT IN	Connects to HDBT OUT of any HDBT device or another DCP-MTX.		
2	RS232	Connects to a controllable device, e.g. projector, for RS232 pass-through control.		
3	ETHERNET	Control to a LAN device, e.g. IP-based touch panel for LAN control.		
4	MYTURN	Connects to a controller, e.g. keypad, to switch input sources.		
5	KEY	Connects to a controller, e.g. keypad, for direct selection of input sources: Pin 1 = HDMI IN; Pin 2 = DP IN; Pin 3 = VGA IN; Pin G = Ground.		
6	LED	Connects to a controller, e.g. keypad, for indication of current selected input sources. Pin 1 = HDMI IN; Pin 2 = DP IN; Pin 3 = VGA IN; Pin G = Ground.		
7	HDMI OUT	Connects to an HDMI display device.		
8	AUDIO OUT	Connects to an audio system, e.g. amplifier.		
9	HDBT OUT	Connects to HDBT IN of any HDBT device or another DCP-MTX.		
10	RESET button	Resets the device to factory default settings.		
11	DC 12V	Connects to the power adapter provided.		



5. EDID SWITCH

EDID (Extended Display Identification Data) is a data structure provided by a digital display to describe its capabilities to a video source. DCP-MTX features an EDID management that can be used when the EDID setting's does not meet the installation requirements.

By default, the EDID DIP switch is set in **1920 x 1080@60Hz 2CH** mode, i.e. the switches are set to **0 0 1 0**.



Should any device communication or compatibility issues be encountered during installation, please refer to the table below and set up the DIP switches manually.

DIP SWITCH SETTINGS			S	EDID
0	0	0	0	HDMI/DP: 3840 x 2160@30Hz 2CHVGA: 1920 x 1200@60Hz 2CH
0	0	0	1	Fix 1920 x 1200@60Hz 2CH
0	0	1	0	Fix 1920 x 1080@60Hz 2CH (Default)
0	0	1	1	Fix 1680 x 1050@60Hz 2CH
0	1	0	0	Fix 1600 x 900@60Hz 2CH
0	1	0	1	Fix 1440 x 900@60Hz 2CH
0	1	1	0	Fix 1360 x 768@60Hz 2CH
0	1	1	1	Fix 1280 x 768@60Hz 2CH
1	0	0	0	Fix 1024 x 768@60Hz 2CH
1	0	0	1	EDID by WEB GUI or API control
Other settings			Reserved for future use	



6. APPLICATION & INSTALLATION

6.1 Typical Application

DCP-MTX equips with a number of input and output ports for multi-type signal transmission, can be used as a transmitter or receiver and easy meet various installation requirements.

DCP-MTX can help build up Chain-mode (with/without local display) and Ring-mode connection and support grouping of one or several DCP-MTX sub-system.

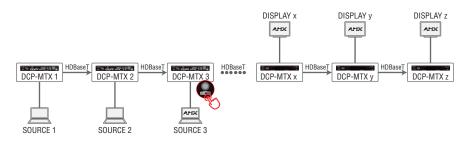
Application 1: Chain Mode (without Local Display)

In the Chain Mode without local display, DCP-MTXs connected to sources work as transmitter (DCP-MTX 1, DCP-MTX 2 and DCP-MTX 3 in the diagram below), whereas DCP-MTXs connected to displays receive and output signals through its local display (DCP-MTX x, DCP-MTX y and DCP-MTX z in the diagram below).

Activate any of the "transmitter" DCP-MTXs' MYTURN button, displays connected to "receiver" DCP-MTXs will display the activated device's active signal.

Example: if DCP-MTX 3's MYTURN is activated, Display x, y and z will present active signal from DCP-MTX 3.

Chain Mode Connection (without local display)



Application 2: Chain Mode (with Local Display)

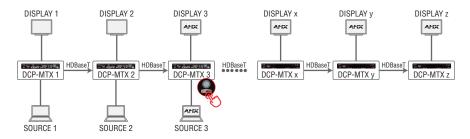
In the Chain Mode with local display, DCP-MTXs work as both/either transmitter and/or receiver.

When any of the "transmitter/receiver" DCP-MTXs is MYTURN activated, the display connected to it and displays connected to the downstream DCP-MTXs will present active signal from the MYTURN-activated device.

Example: if DCP-MTX 3 is MYTURN activated, Display 3 to z will show active signal from DCP-MTX 3; Display 1 and 2 will not show the signal from DCP-MTX 3.



Chain Mode Connection - with local display



Application 3: Ring Mode

In the Ring mode, all the DCP-MTXs are connected to one another. When any DCP-MTX with active input signal is MYTURN activated, all the displays will show its active signal.

Ring Mode Connection

Example: if DCP-MTX 3 is MYTURN activated, Display 1 to Z will show active signal from DCP-MTX 3.

DISPLAY 2 DISPLAY 3 DISPLAY x DISPLAY v DISPLAY 1 DISPLAY 7 AMY AMX AMX AMX AMX AMX HDBaseT **HDBase** HDBaseT HDBase² **HDBaseT** DCP-MTX 1 DCP-MTX 2 DCP-MTX 3 DCP-MTX x DCP-MTX y DCP-MTX z AMX SOURCE 1 SOURCE 2 SOURCE 3 SOURCE x SOURCE y

HDBaseT

Application 4: Group Mode

DCP-MTX in Chain or Ring Mode can be divided into groups. Such group should contain at least one DCP-MTX, and works as an individual Chain Mode system, allowing no signal transmission to downstream DCP devices of the system unless the grouping function is canceled by Web UI or API Command.

Example:

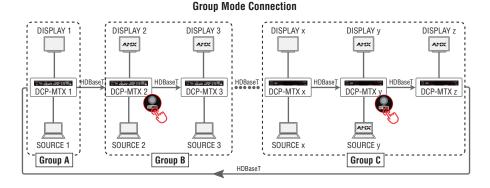
Group A only contains DCP-MTX 1 and allows no signal transmits to downstream DCPs, e.g. DCP-MTX 2.

Group B contains DCP-MTX 2 and DCP-MTX 3. If DCP-MTX 2 is MYTURN activated, active signal from DCP-MTX 2 will be available to display devices, i.e DISPLAY 2 & DISPLAY 3, in Group B, instead of transmitting to downstream devices and Group C.



Group C contains DCP-MTX x, DCP-MTX y and DCP-MTX z. If DCP-MTX y is MYTURN activated, Display y and z will show its active signal, and Display 1 will not.

For more information about setting up Group Mode, please go to "Daisy-Chain Grouping" under "8.2.2.2 Configuration".



6.2 Installation & Connection

To create a Chain- or Ring-type connection containing multiple DCP-MTXs, sources and displays, please refer to the instructions below and the "SYSTEM WIRING" chart:

- 1. Connect DCP-MTXs through HDBT:
 - Connect HDBT OUT of the first DCP-MTX to HDBT IN of the next (e.g. DCP-MTX 1 to DCP-MTX 2);
 - 2) Connect the rest DCP-MTXs through HDBT likewise.
 - 3) If Ring Mode connection is required, connect HDBT OUT of the last DCP-MTX to HDBT IN of the first DCP-MTX (e.g. DCP-MTX N to DCP-MTX 1).
- 2. Set up IP Sequencing for all the DCP-MTXs.
 - Option A: Using the MYTURN button of the first DCP-MTX (e.g. DCP-MTX 1)
 - a) Long press the MYTURN button of DCP-MTX 1 for 10 seconds;
 - b) The input LEDs (HDMI IN, DP IN and VGA in) will flash twice, then DCP-MTX 1 will start IP sequencing automatically and the rest DCP-MTXs will get its individual IP address according to their sequence in the connection loop (for instance, if DCP-MTX 1 gets 192.168.1.121 (Default IP address of DCP-MTXs), then DCP-MTX 2 will get 192.168.1.122.)
 - Option B: Using Start Sequence button on Web UI.
 - a) Connect your PC to ETHERNET port of the first DCP-MTX (e.g. DCP-MTX

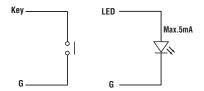


1).

- b) Login Web UI through a web browser (Default IP address of DCP-MTXs is192.168.1.121).
- c) Go to Configuration > Device > Daisy-chain Sequence. Select Daisy-chain quantity and click "Start Sequence" to allocate IP addressing to each DCP-MTX.
- 4. Connect source, display devices and/or audio devices to DCP-MTXs.
- 5. If output scaling is needed, please connect DCP-SRX by referring to "SYSTEM WIRING (with DCP-SRX)" chart.

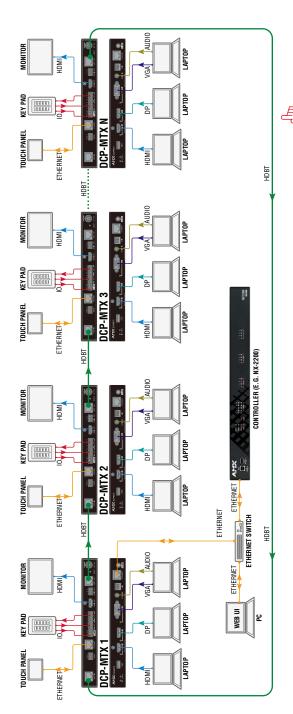
NOTE:

- Default IP address of DCP-MTX is 192.168.1.121.
- The PC used to login Web UI of DCP should be set in the same network segment as DCP-MTX, e.g. 192.168.1.x.
- For information about accessing and operating Web UI, please refer to "8.2 WEB UI".
- To avoid IP addressing conflicts, please repeat Step 2 if any DCP-MTX is reset, removed from and added to the connection.
- To make CEC control effective, please use CEC-enabled display devices.
- Quality CAT cables, e.g. Cat6, AWG23 or S/FTP cable, are highly recommended.
 For more information about HDBaseT transmission cables, please visit: www. hdbaset.org/cable.
- For users who prefer to control the DCP-MTX or DCP connection system through a contact closure-based keypad, please ensure there's no resistor exsits among contact closure ports of MYTURN, KEY and LED (as shown in the circuit diagram below):





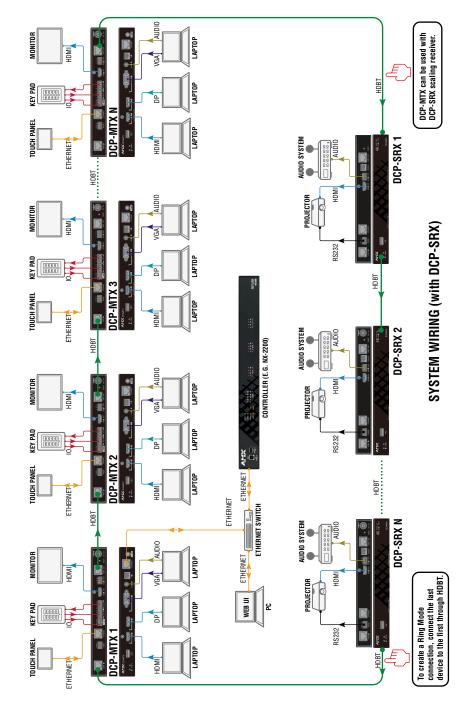
To create a Ring Mode connection, connect the last device to the first through HDBT.



SYSTEM WIRING

USER MANUAL DCP-MTX







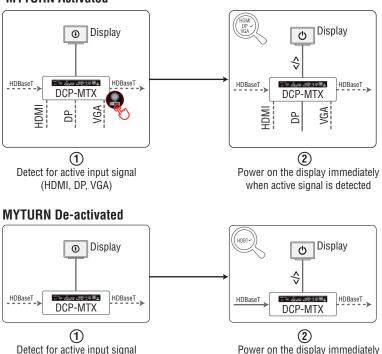
7. CEC & RS232 AUTO CONTROL

DCP-MTX is embedded with a CEC controller and a RS232 controller. When CEC / RS232 Auto Control is switched on, DCP-MTX will detect the signal status and send CEC / RS232 command to power on or off the display connected. CEC / RS232 Auto Control of DCP-MTX can be configured through Web UI or Telnet. For more information, please refer to "8.2 WEB UI" and "8.3 TELNET".

When CEC / RS232 Auto Control is enabled.

- DCP-MTX will automatically detect the status of input signal (HDMI, DP and VGA when MYTURN is activated or HDBT when MYTURN is de-activated).
- DCP-MTX will power on the display (see two charts below):
 - 1) If active input signal is present, DCP-MTX will send a CEC/RS232 command to power on the display connected to HDMI OUT/RS232 port immediately.

MYTURN Activated



DCP-MTX will power off the display (see two charts below):

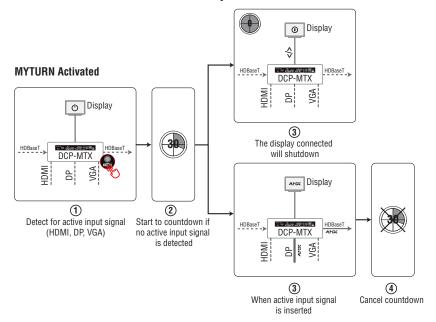
(HDBT)

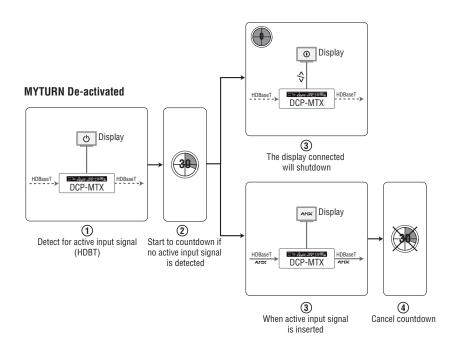
 If no input signal is present, DCP-MTX will send a CEC/RS232 command to the display connected to HDMI OUT/RS232 port and start to countdown the Delay Time till the display shuts down.

when active signal is detected



2) If any active input signal is inserted in the middle of countdown, the countdown will cancel automatically.







NOTE:

- CEC/RS232 Auto Control is effective where input signal changes and is not applicable for a MYTURN activated DCP-MTX with no input signal, even if a display sink is connected.
- To realize CEC/RS232 Auto Control of DCP-MTX, please connect a display device which accepts CEC/RS232 command.
- For information about CEC/RS232 Auto Control configuration through Web UI or Telnet, please go to "8.2 WEB UI" and "8.3 TELNET".



8. SET-UP & CONTROL

DCP-MTX is designed with ease of connection and control in mind. When the device is connected and powered on, you can choose the optimal way to control the unit at your convenience, through either MYTURN button on the front panel, Telnet, or Web UI specifically designed for DCP Series.

8.1 MYTURN

The MYTURN (MYTURN) button on the front panel can be used to activate/deactivate MYTURN mode, select input signal or execute IP sequencing for a DCP system.

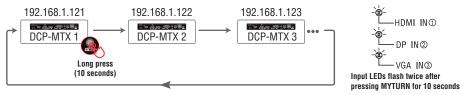
NOTE:

When DCP-MTX is in Auto Switch mode, MYTURN button will remain effective while used for selecting active input signal.

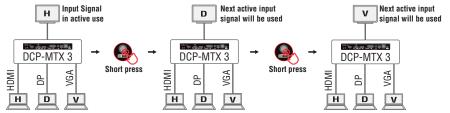
1. Execute IP Sequencing for a Chain/Ring Mode Connection

After connection of multiple DCP-MTXs in Chain or Ring Mode, long press MYTURN button of the first DCP-MTX for 10 seconds will start IP sequencing.

- Long press MYTURN button of the first DCP-MTX, or DCP-MTX 1 in the chart below, in the connection system for 10 seconds;
- 2) The input LEDs (HDMI IN, DP IN & VGA IN) of DCP-MTX 1 will flash twice.
- 3) Then DCP-MTX 1 will start IP sequencing automatically and the rest DCP-MTXs will get their individual IP address according to their sequence in the connection loop (for instance, if DCP-MTX 1 gets 192.168.1.121 (Default IP address of DCP-MTXs), then DCP-MTX 2 will get 192.168.1.122.)



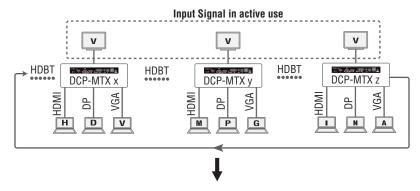
2. Select Active Input Signal from HDMI IN, DP IN and VGA IN (or Activate MYTURN)
A short press of MYTURN button will select active signal among HDMI IN, DP IN and VGA IN ports.



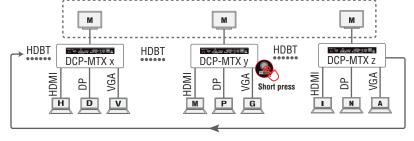


For a Chain or Ring Mode DCP system, a short press of the MYTURN button will activate the device's MYTURN Mode and show its active signal through its local display (if there's any)and downstream displays (for a Chain Mode connection) or all displays (for a Ring Mode connection).

- **Auto Switch Mode:** if the DCP-MTX selected is in Auto Switch Mode, the first detected input signal (HDMI IN \rightarrow DP IN \rightarrow VGA IN) will be in active use immediately after the short press of its MYTURN button.
- Manual Mode: if the DCP-MTX selected is in Manual Mode, short press its MYTURN button again to toggle among its active signals from HDMI IN, DP IN and VGA IN ports.

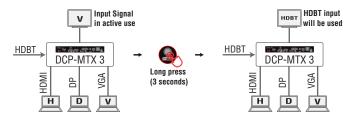


First active signal of DCP-MTX y will be in use (Auto Switch Mode) Or short press MYTURN again to toggle among active signals (Manual Mode)



3. Select Signal from HDBT IN (or De-Activate MYTURN)

Long press of MYTURN button for 3 seconds will select signal from HDBT IN for DCP-MTX.





For a Chain or Ring Mode DCP system, a long press of the MYTURN button will deactivate the device's MYTURN Mode and the entire system will present active signal from the previous MYTURN-activated DCP-MTX.

8.2 WEB UI

DCP Series comes with a tailor-designed web-based user interface (or Web UI in short) which allows you to set up basic controls or advanced settings of a DCP device like DCP-MTX or a DCP system with great ease and convenience.

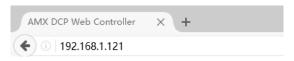
The Web UI can be accessed through a modern browser, e.g. Chrome, Safari, Firefox, etc.

DCP-MTX ships with a default IP address of **192.168.1.121** and default login password for Wen UI of **admin**.

8.2.1 Log Into WEB UI

To get accessed to Web UI of DCP-MTX, please follow the instructions below.

- 1. Connect your PC to ETHERNET port of DCP-MTX through a Catx Cable.
- 2. Set your PC to the same network segment as DCP-MTX, e.g. 192.168.1.xxx.
- Enter DCP-MTX's IP address (default: 192.168.1.121) in your browser and press to enter.

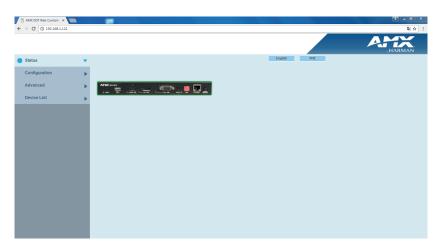


4. Enter login password (default: **admin**) in the login window, choose the language you wish to use, then press "Login".



5. The following main page will appear when you successfully log in.







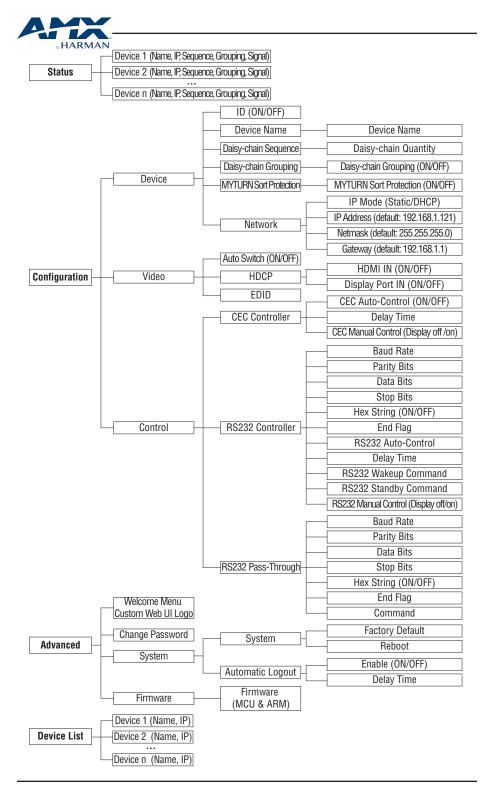
In case you forget the IP address or the login password newly changed for DCP-MTX, please reset the device using the "RESET" button. For more information, please go to "9. RESET".

8.2.2 Control through WEB UI

Web UI of DCP-MTX is comprised by four sections: Status, Configuration, Advanced, and Device List.



The following menu tree shows the function structure of the Web UI, which is followed by detailed introduction to each section.





8.2.2.1 Status

The Status section shows the current status of DCP-MTX and/or other DCP devices connected. Each DCP device, including DCP-MTX, uses different gradient colors to indicate its status.

- Yellow gradient: The DCP device is working in ID Mode (ID button under "Configuration > Device" is turned on, and its ID LED flashes).
- Green gradient: The DCP device is successfully connected but not in ID Mode.
- Red gradient: The DCP device is not connected.



Moving your mouse up onto a DCP device, information of the device will be displayed in a pop-up window. DCP-MTX will show such information as Name, IP Address, Sequence, Grouping, Select (input source signal).



A click of DCP-MTX will pop up the following window, which allow you to verify and switch for desired input signal for the selected DCP-MTX.



8.2.2.2 Configuration

The Configuration section includes Device, Video and Control and allows you to set up the DCP-MTX, input source signal and control methods.

Device

The Device sub-menu is used to perform the following functions:

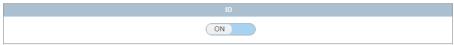
ID



- Device Name
- Daisy-Chain Sequence
- · Daisy-Chain Grouping
- MYTURN Sort Protection
- Network

1) ID

The ID button is used to help located the DCP-MTX in a DCP connection system.



Click to turn ON the ID button, then check the ID LED of each DCP-MTX or DCP device. The device with a flashing ID LED is the one accessed through Web UI.

2) Device Name

The Device Name allows you to redefine the name of DCP-MTX or a DCP device in case multiple DCP devices are connected.



NOTE:

The Device Name must be 1-20 characters in length and can include English letters, Chinese characters, numbers, space, "_" or "-".

3) Daisy-Chain Sequence

The Daisy-Chain Sequence is used to allocate IP address for each DCP device in a connected system.

To Set up IP Sequence for a DCP system:

1. Key in the quantity of DCP devices, then click "Start Sequence".

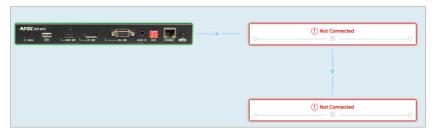




2. Click "OK" to reload the page.



3. Status section will show the updated connection status of the DCP system.



NOTE:

- 1. In case the quantity keyed in exceeds the actual number of DCP devices, the surplus devices will be in RED gradient in the Status section.
 - Example: if there is only one DCP-MTX connected, and the Daisy-chain Quantity is keyed in 3, the above connection status will appear after reloading.
- If any DCP-MTX or DCP device is reset, removed from or added to the connection, please repeat the above steps to reset IP sequencing to avoid IP conflicts among connected devices.

4) Daisy-Chain Grouping

The Daisy-Chain Grouping section is for you to create small groups and is realized by switching on the Daisy Chain Grouping button and stopping signal from transmitting to downstream DCP devices.

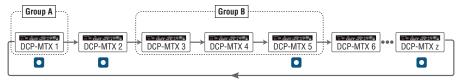


Example:

To create Group A (DCP-MTX 1 only) and Group B (DCP-MTX 3-5) in a Ring Mode



connection as below.



Group A: Switch on Daisy-Chain Grouping button of both DCP-MTX z & DCP-MTX 1.

Group B: Switch on Daisy Chain Grouping button of both DCP-MTX 2 & DCP-MTX 5.

In addition, successful formation of Group A and Group B also makes DCP-MTX 2 and DCP-MTX 6-z two separate groups.

5) MYTUN Sort Protection

The MYTURN Sort Protection is to enable or disable IP sequencing through MYTURN button.

When the button is switch ON, users will not be able to trigger IP sequencing using the MYTURN button on the front panel and will help reduce maloperation of the MYTURN button.



NOTE:

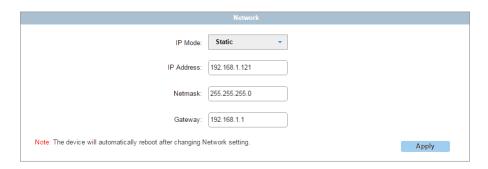
It's highly recommended to switch the MYTURN Sort Protection button ON after setting up the DCP-MTX or the system.

6) Network

The Network section allows you to set up the IP mode of the DCP-MTX to either Static or DHCP.

By default, DCP-MTX is shipping in Static mode, with default IP address of 192.168.1.121, Netmask of 255.255.0.0 and Gateway of 192.168.1.1.





You are free to change the network setting when multiple devices are connected to avoid IP conflicts.



The DCP device will automatically reboot after the network setting is changed.

Video

The Video sub-menu is used to perform the following functions:

- Auto Switch
- HDCP
- EDID

1) Auto Switch

The Auto Switch section enables or disable Auto Switch of the DCP-MTX.



If Auto Switch is turned ON:

- If a new input source signal is detected, DCP-MTX will automatically switch to use the new input signal.
- If an active source is removed or its output is disabled, DCP-MTX will
 automatically switch to another active input signal by checking its priority (Priority
 from the highest to the lowest: HDMI IN, DP IN, VGA IN).
- If the power is interrupted and then restored, DCP-MTX will automatically use the last input source signal before the power interruption.



If Auto Switch is turned OFF, please use the MYTURN button on the front panel to select desired input signal.

2) HDCP

The HDCP section allows you to enable or disable HDCP compatibility for HDMI IN and DP IN. By default, HDCP is switched ON for both HDMI IN and DP IN.



NOTE:

Please verify your display's HDCP compatibility before enabling or disabling the function.

3) EDID

By default, the EDID setting of DCP-MTX is in 1920 x 1080@60Hz 2CH mode (the EDID DIP switch is set to 0 0 1 0).

To adjust EDID settings of DCP-MTX through Web UI, please manually set the EDID switch on the front panel to **1 0 0 1**.



Control

The Control sub-menu is used to perform the following functions:

- CFC Controller
- RS232 Controller
- RS232 Pass-through

1) CEC Controller

DCP-MTX is embedded with a CEC controller and will automatically power on/off the display connected to its HDMI OUT port when CEC Auto Control is switched on.

Above all, for CEC control of DCP-MTX to be effective, the display connected should support CEC over HDMI.

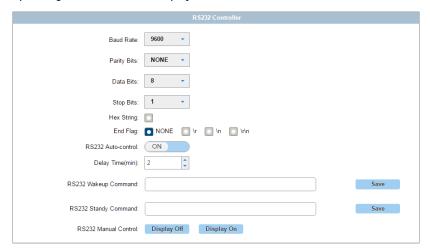




- CEC Auto-Control ON/OFF: Click to enable or disable CEC Auto Control. When
 enabled, DCP-MTX will send a CEC command to turn off the display connected to
 HDMI OUT when there's no signal present after a defined Delay Time or turn it on
 immediately when there's active signal.
- Delay Time (min): Set the delay time of turning off the display after it receives CEC command from DCP-MTX. The time is 0 - 30 minutes.
- CEC Manual Control: Click to turn on or off the display manually.

2) RS232 Controller

DCP-MTX incorporates a built-in RS232 controller and is able to power on or off the display connected to RS232 port by detecting the source status and then sending corresponding command to the display.



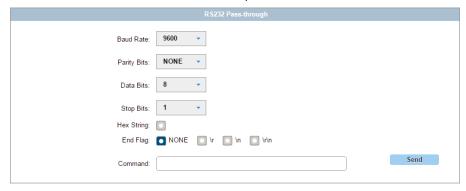
- Baud Rate: Set the Baud Rate for the device connected to the RS232 port.
- Parity Bits: Set the Parity Bits for the device connected to the RS232 port.
- Data Bits: Set the Data Bits for the device connected to the RS232 port.



- Stop Bits: Set the Stop Bits for the device connected to the RS232 port.
- Hex String: Switch the button ON to turn the RS232 commands to Hexadecimal format.
- End Flag: Click to choose the end flag for the RS232 commands.
- RS232 Auto Control: Click to enable or disable RS232 Auto Control. When enabled, DCP-MTX will send a RS232 command to turn off the display connected to its RS232 port when there's no signal present after a defined Delay Time or turn it on immediately when there's active signal.
- Delay Time (min): Set the delay time of turning off the device after it receives
 RS232 command from DCP-MTX. The time is 0 30 minutes.
- RS232 Wakeup Command: Key in a user-defined command for waking up the device connected, then click the SAVE button.
- RS232 Standby Command: Key in a user-defined command for shutting down the device connectedm, then click the SAVE button.
- RS232 Manual Control: Click to turn on or off the device manually.

3) RS232 Pass-through

The RS232 Pass-through section is for you to send RS232 command manually via Web to control the device connected to the RS232 port.



- Baud Rate: Set the Baud Rate for the device connected to the RS232 port.
- Parity Bits: Set the Parity Bits for the device connected to the RS232 port.
- Data Bits: Set the Data Bits for the device connected to the RS232 port.
- Stop Bits: Set the Stop Bits for the device connected to the RS232 port.



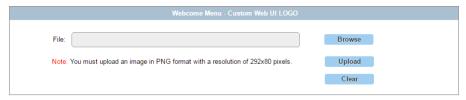
- Hex String: Switch the button ON to turn the RS232 commands to Hexadecimal format.
- End Flag: Click to choose the end flag for the RS232 commands.
- Command: Key in a user-defined command for controlling the device.

8.2.2.3 Advanced

The Advanced section includes Welcome Menu, Password, System, Fireware and allows you to customize your own logo for your Web UI pages, set up a new login password, reset or reboot the DCP-MTX settings, enable/disable automatic logout from Web UI and upgrade firmware of your DCP-MTX device.

Welcome Menu

The Welcome Menu section is for you to customize your own logo for the DCP Web UI.



- Browse: Click to browse for the customized logo or image.
- Upload: Click to upload the new logo or image.
- Clear: Click to remove the logo or image in use.

NOTE:

The new logo or image should be in PNG format and no more than 292x80 pixels.

Password

The Password section allows you to set a new password for logging in the DCP Web UI.



Apply: Key in a new password, then click the button to take effect.



NOTE:

The new password must contain 4 - 16 characters and alphanumeric only.

Ÿ TIP:

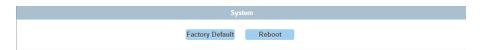
In case you forget the IP address and/or the login password newly changed for DCP-MTX, please reset the device using the "RESET" button on the rear panel. For more information, please go to "9. RESET".

System

The System section is for resetting and rebooting the DCP-MTX device as well as setting the Automatic Logout from the Web UI.

1) System

The System sub-section is used for restoring the DCP-MTX to factory default settings or rebooting the system.



- Factory Default: Click to reset the device to factory default settings.
- Reboot: Click to reboot the device.

2) Automatic Logout

The Automatic Logout sub-section is to enable or disable automatic logout from Web UI.



- Enable ON/OFF: Click to turn on or off the Automatic Logout function. When switched ON, the Web UI will automatically logout and return to the login window if the Web UI becomes inoperative or inactive after a period of Delay Time.
- Delay Time (min): Set the Delay Time to logout the Web UI since it turns inactive.



Firmware

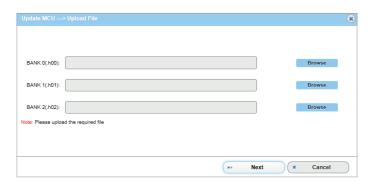
The Firmware section is where the existing version of MCU and ARM can be verified and upgrade.



1) To upgrade MCU

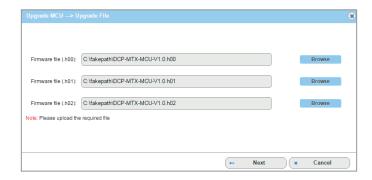
To upgrade MCU, please follow the instructions below:

Step 1: Click MCU "Update" button, then the following window will pop up.



Step 2: Click "Browse" to search for the update file. Then click "Next" to start uploading the update files.

NOTE: Please mind the suffix (.h00 / .h01 / .h02) of each update file and ensure each file goes to the correct data bank. Otherwise you may fail to start upgrading.





Step 3: When uploading is done, the following appears. Click "Next" to start updating.



Step 4: The MCU updating will take about two minutes.



Step 5: When completed, the following window will appear. After completion, please reboot the device manually.

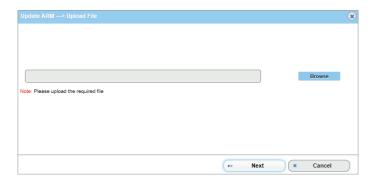


2) To upgrade ARM

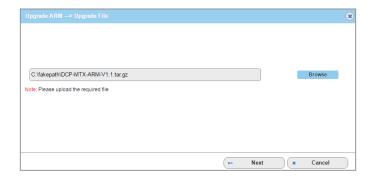
To upgrade ARM, please follow the instructions below:

Step 1: Click ARM "Update" button, then the following window will pop up.





Step 2: Click "Browse" to search for the update file. Then click "Next" to start uploading the update files.

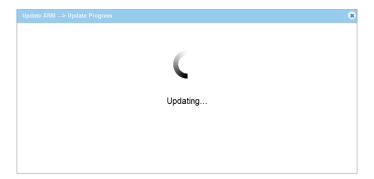


Step 3: When uploading is done, the following appears. Click "Next" to start updating.

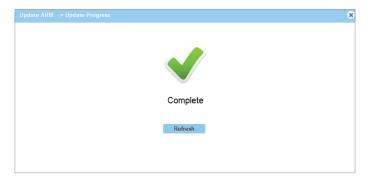




Step 4: The ARM updating will take about one minute.



Step 5: When completed, the following window will appear. After completion, please click to refresh.



8.2.2.4 Device List

The Device List section lists out all the connected DCP devices by showing their model name and IP address.



- Refresh: Click to refresh the Device List.
- Listed Device: Click to navigate to its Web UI page.



8.3 TELNET

DCP-MTX can also be controlled by Telnet, a protocol that enables you to connected a remote or local computer with DCP-MTX over a TCP/IP network.

Before controlling or setting up DCP-MTX through Telnet, please ensure the Telnet connection between the controlling device (e.g. PC) and DCP-MTX has been configured correctely.

For Telnet control, the two network parameters of DCP-MTX are required:

- IP Address: DCP-MTX comes with a default IP address of 192.168.1.121 and may be changed after IP sequencing. Please use the one after IP sequencing for Telnet control.
- Port: DCP-MTX's fixed port number is 23.

For complete list of controlling commands, please refer to "APPENDIX: COMMAND SET".



9. RESET

DCP-MTX installs a physical RESET button on its rear panel and will restore the device settings and login password.



To reset DCP-MTX:

- 1. Hold down the RESET button (rear panel) for at least 5 seconds using a paper clip.
- 2. The input LEDS (HDMI IN, DP IN & VGA IN) will flash twice.
- 3. Power cycle the device.



APPENDIX: API COMMAND SET

IDX	Function Description	More Details		
IDX	Function Description	Syntax	Example	
1	Set Auto Switch On/Off	Command: CASW#T Return: CASW#T Parameter: X ASW#: # = {0, 1} // {0, 1}:{off, on} Description: X ASW - Set Auto Switch When the prm is 1, Auto Switch mode	Command: CASWOT Return: CASWOT Description: Set Auto Switch off.	
		is in active status. When the prm is 0, Auto Switch mode is in inactive status.		
		Command: SASWT	Command: SASWT	
2	Get Auto Switch Status	Return: Return SASWT(value) Parameter:	Return: SASWT(1) Description:	
		<pre></pre>	Auto Switch is in active status.	
		Command: CI#OALLT	Command: CI1OALLT	
	Switch selected input to all outputs	Return: CI#OALLT	Return: CI1OALLT	
3		Parameter: 	Description: Switch selected HDMI input to all outputs.	
		Description: Switch selected input to all outputs		
		Command: SOALLT	Command: SOALLT	
	Get the Mapping Status for Outputs and Inputs	Return: SOALLT(value)	Return: SOALLT(1)	
4		Parameter: ** value = {1, 2, 3, 4} // {1, 2, 3, 4}:{hdmi, dp, vga,hdbt}	Description: HDMI input is mapped to all outputs	
		Description: Get which input is mapped to all outputs		



IDV	Function Description	More Details	
IDX	Function Description	Syntax	Example
	Set Order	CORDT	Command: CORDT
5		Return: CORDT(value)	Return: CORDT(1)
		Parameter: × value = {1}	Description: Start order from 1.
		Description: Set order.	
		Command: SORDT	Command: SORDT
6	Get Order Sequence Number	Return: SORDT(value)	Return: SORDT(1)
		Parameter: ** value = {1, 2,}	Description: Current order sequence number is 1
		Description: Get order sequence number	
	Set MYTURN Sign	CSHME#T	Command: CSHME1T
		Return: CSHME#T	Return: CSHME1T
7		Parameter: ** SHME#: # = {0, 1} // {0, 1}:{false, true}	Description: Set MYTURN signal.
		Description: Set MYTURN signal.	
		Command: SSHMET	Command: SSHMET
8	Get MUTURN Sign	Return: SSHMET(value)	Return: SSHMET(1)
		Parameter: ** value = {0, 1} // {0, 1}:{false, true}	Description: Get MYTURN signal.
		Description: Get MYTURN signal.	
		Command: SRMAKT	Command: SRMAKT
9	Get Ring marker	Return: SRMAKT(value)	Return: SRMAKT(1)
	det allig illand!	Parameter: 	Description: Ring Marker is true.
		Description: Get Ring Marker	



	Function Description	More Details	
IDX		Syntax	Example
10	Set Subgroup	Command:	Command: CGR00SW1T Return: CGR00SW1T Description: Set current device subgroup
11	Get Subgroup	Command: SGROT Return: SGROT(value) Parameter: X value = {0, 1} // {0, 1}:{off, on} Description: Get current device subgroup status.	Command: SGROT Return: SGROT(1) Description: Current Device is Subgroup
12	Set Sort Ungrouping	Command: CSOR#T Return: CSOR#T Parameter: X SOR#: # = {0, 1} // {0, 1}:{off, on} Description: Set Sort Ungrouping, off is by default.	Command: CSOR1T Return: CSOR1T Description: Set Sort Ungrouping on.
13	Get Sort Ungrouping	Command: SSORT Return: SSORT(value) Parameter: X value = {0, 1} // {0, 1}:{off, on} Description: Get Sort Ungrouping.	Command: SSORT Return: SSORT (0) Description: Sort Ungrouping is off.
14	Set MYTURN Sort Protection	Command: CSORP#T Return: CSORP#T Parameter: X P# = {0, 1} // {0, 1}:{off, on} Description: Set MYTURN Sort protection.	Command: CSORP1T Return: CSORP1T Description: Set MYTURN Sort protection on.



IDX	Function Description	More De	tails
IDX	Function Description	Syntax	Example
	Verify MYTURN Sort Protection	Command: SSORPT	Command: SSORPT
15		Return: SSORPT(value)	Return: SSORPT(1)
	status	Parameter: ** value = {0, 1} // {0, 1}:{off, on}	Description: MYTURN Sort Protection is on.
		Description: Verify MYTURN Sort Protection status.	
		Command: CLED#T	Command: CLED1T
16	Set ID	Return: CLED#T	Return: CLED1T
	Set ID	Parameter: ** LED#: # = {0, 1} // {0, 1}:{off, on}	Description: Set ID on.
		Description: Set ID to indicate the device location.	
		Command: SLEDT	Command: SLEDT
17	Get ID Status	Return: SLEDT(value)	Return: SLEDT(1)
''		Parameter: ** value = {0, 1} // {0, 1}:{off, on}	Description: ID is on.
		Description: Get ID status	
		Command: CSP#T	Command: CSPOT
18	Set CEC for Sink Power On/Off	Return: CSP#T	Return: CSPOT
		Parameter: X SP#: # = {0, 1} // {0, 1}:{off, on}	Description: Control for sink power off with HDMI out.
		Description: Control sink power on or off	
		Command: CSPA#T	Command: CSPA1T
19	Set CEC Auto Power On/Off	Return: CSPA#T	Return: CSPA1T
13		Parameter: X SPA#: # = {0, 1} // {0, 1}:{off, on}	Description: Set sink auto power on.
		Description: Set sink auto power Function ON or OFF	



IDV	Function Description	More Details	
IDX		Syntax	Example
20	Get CEC Auto Power Status	Command: SSPAT Return: SSPAT(value) Parameter: × value = {0, 1} // {0, 1}:{off, on} Description:	Command: SSPAT Return: SSPAT(1) Description: Sink auto power status is ON.
		Get Sink auto power Function ON or OFF Status.	
		Command: CD#SPT	Command: CD2SPT
21	Set CEC Power Delay Time	Return: CD#SPT	Return: CD2SPT
		Parameter: 	Description: CEC Power Delay Time is 2 min.
		Description: Set CEC Power Delay Time.	
	Get CEC POWER Delay Time Status	Command: SDSPT	Command: SDSPT
22		Return: SDSPT(value)	Return: SDSPT(2)
		Parameter: ** value = {0, 1,30}	Description: CEC Power Delay Time is 2 min.
		Description: Get CEC POWER Delay Time Status.	
		COMMAND: CUBD#T	Command: CUBD115200T
	Set UART Baud Rate	Return: CUBD#T	Return: CUBD115200T
23		Parameter: ** SOR#: # = {9600, 19200, 38400, 57600, 115200}	Description: UART Baud Rate is 115200.
		Description: Set UART Baud Rate.	



IDV	Function Description	More Details		
IDX		Syntax	Example	
24	Set UART End Character	Command: CUED#T Return: CUED#T Parameter: ※ UED# : # = {1, 2, 3, 4} // {1, 2, 3, 4}; null, cr, if, crif}	Command: CUED4T Return: CUED4T Description: UART End Character is crlf ("\r\n").	
		Description: Set UART End Character.		
		CUBI#T	CUBIOT	
25	Set UART STOPBIT	Return: CUBI#T	Return: CUBIOT	
23	Set UAKT STUPBIT	Parameter: ** UBI#: # = {0, 2} // {0, 2}:{1bit, 2bit}	Description: UART Stop bit is 1.	
		Description: Set UART Stop bit.		
		CUPA#T	COMMAND: CUPA1T	
		Return: CUPA#T	Return: CUPA1T	
26	Set UART Parity bit	Parameter: X UPA#: # = {0, 1, 2} // {0, 1, 2}:{null, odd, even}	Description: UART Parity bit is odd.	
		Description: Set UART Parity bit		
		Command: CPW#PAR#T	Command: CPW0PAR 70 77 72 20 6F T	
		Return: CPW#PAR#T	Return: CPW0PAR 70 77 72 20 6F T	
27	Hex UART Command Edit	Parameter: Parameter: PW#: # = {0, 1} // {0, 1}:{off, on} PAR#: # = {hex1 hex2 hex64} // {hex1 hex2 hex64}:{hex1, hex2 hex64, is ASC II string of hex value. For example, string "123", convert to correct format string is "31 32 33"}	Description: Set command 70 77 72 20 6F to control the power-on of the projector.	
		Description: Hex UART Command Edit		



IDV	Function Description	More Details	
IDX		Syntax	Example
	Set Telnet pass through	Command: CNE#T Return:	Command: CNE 00 01 02 03T
28		CNE#T Parameter: ** NE#: # = {hex1 hex2 hex64} // {hex1 hex2 hex64}; {hex1, hex2 hex64, is ASC II string of hex value. For example, string "123", convert to correct format string is "31 32 33"}	CNE 00 01 02 03T Description: Set Telnet pass through
		Description: Set Telnet pass through	
		COMMAND: CUPW#T	Command: CUPWOT
29	Set UART Power On/Off	Return: CUPW#T	Return: CUPW0T
		Parameter: ** UPW#: # = {0, 1} // {0, 1}:{off, on}	Description: Set UART Power Off.
		Description: Set UART Power On/Off.	
	Set UART Auto Power On/Off	CUAU#T	Command: CUAU1T
30		Return: CUAU#T	Return: CUAU1T
		Parameter: ** WAU#: # = {0, 1} // {0, 1}:{off, on}	Description: Set UART Auto Power On.
		Description: Set UART Auto Power On/Off.	
		Command: SUAUT	Command: SUAUT
31	Get UART Auto Power Status	Return: SUAUT(value)	Return: SUAUT(1)
01		Parameter: 	Description: Get UART Auto Power Status is on.
		Description: Get UART Auto Power Status.	



IDV	Function Description	More Details	
IDX		Syntax	Example
	Set UART Power Delay Time	Command: CPWD#T	Command: CPWD2T
32		Return: CPWD#T	Return: CPWD2T
32	oct OATTI I OWEI Delay Time	Parameter: ** D# : # = {0, 1,30}	Description: Set UART Power Delay Time is 2 min.
		Description: Set UART Power Delay Time.	2 111111.
		Command: SPWDT	Command: SPWDT
33	Get UART POWER Delay Time Status	Return: SPWDT(value)	Return: SPWDT(2)
33		Parameter: ※ value = {0, 1,30}	Description: Get UART POWER Delay Time Status is 2 min.
		Description: Get UART POWER Delay Time Status.	0.0000
	Set Inputs support HDCP or not	Command: CI#DCP#T	
		Return: CI#DCP#T	
34		Parameter:	
		Description: Set Inputs support HDCP or not.	
		Command: SI#DCPT	
	Get Input HDCP Support Status	Return: SI#DCPT(value)	
35		Parameter: ** I# : # = {1} // {1}:{hdmi} ** value = {0, 1} // {0, 1}:{off, on}	
		Description: Get Input HDCP Support Status.	



IDV	Function Description	More De	tails
IDX		Syntax	Example
IDX	Function Description	Syntax Command: CIALLE#T Return: CIALLE#T Parameter: ※ E# : # = {0000,, 1000} NOTE (BIT 0000-1000) // {0000, 0001, 0010, 0011, 0100, 0101, 0110, 0111, 1100}; {0000->//HDMI/DP/HDBT: 3840x2160@30Hz, 2CH VGA:1920x-1200@60Hz, 0001->//HDMI/DP/HDBT: 1920x1200@60Hz, 2CH VGA:1920x-1200@60Hz, 0010->//HDMI/DP/HDBT: 1920x1000@60Hz, 2CH VGA:1920x-1200@60Hz, 0010->//HDMI/DP/HDBT: 1920x1080@60Hz, 2CH VGA:1920x-	
36	Set All Input EDID	1080@60Hz, 0011->//HDMI/DP/HDBT: 1680x1050@60Hz, 2CH VGA:1680x- 1050@60Hz, 0110->//HDMI/DP/HDBT: 1600x900@60Hz, 2CH VGA:1600x- 900@60Hz, 01101->//HDMI/DP/HDBT: 1440x900@60Hz, 2CH VGA:1440x- 900@60Hz, 0110->//HDMI/DP/HDBT: 1360x768@60Hz, 2CH VGA:1360x- 768@60Hz, 0111->//HDMI/DP/HDBT: 1280x768@60Hz, 2CH VGA:1280x- 768@60Hz, 1010->//HDMI/DP/HDBT: 1280x768@60Hz, 2CH VGA:1280x- 768@60Hz, 1000->//HDMI/DP/HDBT: 1024x768@60Hz, 2CH VGA:1024x- 768@60Hz, 1000->//HDMI/DP/HDBT: 1024x768@60Hz, 2CH VGA:1024x- 768@60Hz, 1000->/HDMI/DP/HDBT: 1024x768@60Hz, 3CH VGA:1024x- 768@60Hz, 1000->/HDMI/DP/HDBT:	



		More De	etails
IDX	Function Description	Syntax	Example
37	Get All Input EDID status	Command: SIALLET(value) Parameter: ※ E#: # = {0000,, 1000} NOTE (BIT 0000~1000) // {0000, 0001, 0010, 0011, 0100, 011, 011	Command: SIALLET Return: SIALLET(0000) Description: Return the current EDID status.
38	Factory Reset	Command: ~SYSR! Return: ~SYSR! Description: Reset system setting.	Command: -SYSR! Return: -SYSR! Description: Reset system setting.
39	System Reboot	Command: ~APP! Return: ~APP! Description: Cause a warm reboot.	Command: ~APP! Return: ~APP! Description: Cause a warm reboot.



IDX	Function Description	More Details	
אטו		Syntax	Example
40	Get selected firmware version	Command: ~VER! Return: ~VER!(^^^) Description: Determine the system's Application Code version	Command: ~VER! Return: ~VER!(1.0) Description: The system's version is 1.0
41	Set Static IP Address	Command: CIPxx.xx.xx.xxMASKxx.xx.xx.xxT Return: CIPxx.xx.xx.xxMASKxx.xx.xx.xxT Description: IPxx.xx.xx.xx = {ipaddress} MASKxx.xx.xx.xx = {mask}	Command: CIP192.168.1.122MASK255.255.2 55.0gw192.168.1.1T Return: CIP192.168.2.122MASK255.255.2 55.0gw192.168.1.1T Description: Set static IP address to 192.168.2.122, mask to 255.255.255.0 and gateway to 192.168.1.1
42	Set DHCP IP Address	Command: CDHCPT Return: CDHCPT Description: Set DHCP IP Address.	Command: CDHCPT Return: CDHCPT Description: Set DHCP IP Address.
43	GET IP Address	Command: SIPT Return: SIPT(IP:xx.xx.xx.xx MASK:xx.xx.xx.xx) Description: IPxx.xx.xx.xx = {ipaddress} MASKxx.xx.xx.xx = {mask}	Command: SIPT Return: SIPT(IP:192.168.2.128 MASK:255.255.255.0) Description: Verify the IP address



© 2017 Harman. All rights reserved. ENZO, NetLinx, AMX, AV FOR AN IT WORLD, HARMAN, and their respective logos are registered trademarks of HARMAN. Oracle, Java and any other company or brand name referenced may be trademarks/registered trademarks of their respective companies.

AMX does not assume responsibility for errors or omissions. AMX also reserves the right to alter specifications without prior notice at any time.

The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com.

3000 RESEARCH DRIVE, RICHARDSON, TX 75082