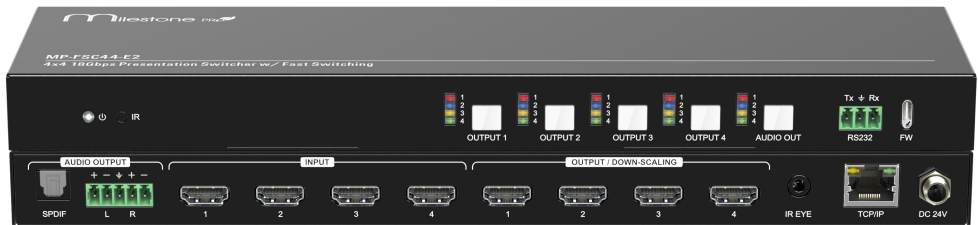


User Manual



MP-FSC44-E2

4x4 Fast Switch Matrix Switcher



All Rights Reserved

Version: MP-FSC44-E2_2026V1.0

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product. This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till July, 2025. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

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. It 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 commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



SAFETY PRECAUTIONS

- To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.
- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

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1. Product Introduction

The MP-FSC44-E2 is a 4x4 HDMI matrix switcher that supports signals up to 4K@60Hz in 4:4:4 resolution. It features 4x1 audio switching and de-embedding out, separating audio from the HDMI signal for independent audio and video outputs.

In addition, Output 1/2 supports automatic downscaling, dynamically matching the optimal resolution of the display device. It offers four control methods: front panel buttons, IR, RS-232 and web-GUI, to adapt to the user's control needs.

1.1 Features

- Up to 4K@60Hz 4:4:4 4x4 fast switching.
- Auto downscaling on output 1&2.
- 4x1 audio switching & de-embedding out.
- Supports EDID management.
- Control by buttons, IR, RS-232 & TCP/IP(Web-GUI).

1.2 Package List

1x MP-FSC44-E2

1x RS-232 Cable

1x IR Receiver

1x Remote Control

1x Power Adapter (24V 1.25A)

2x Mounting Ears and 4x Screws

4x Rubber Feet

1x 5-pin Phoenix Connector

1x User Manual

Note: Please contact your distributor immediately if any damage or defect in the components is found.

2. Specification

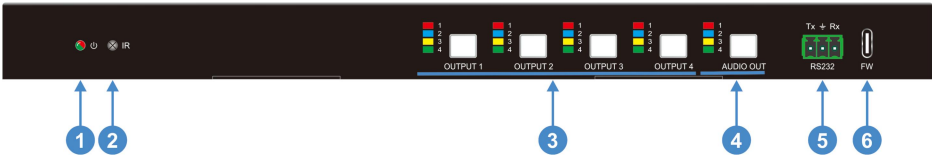
Video Input	
Connector	4x HDMI Type-A
Version	HDMI 2.0
Resolution	Up to 4K@60Hz 4:4:4, HDR10+, Dolby Vision
Audio	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™
HDCP	HDCP 2.2 and backward compatibility
Video Output	
Connector	4x HDMI Type-A
Version	HDMI 2.0
Resolution	Up to 4K@60Hz 4:4:4, HDR10+, Dolby Vision
Audio	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™
HDCP	HDCP 2.2 and backward compatibility
Downscaling	Output1, Output2
Analog Audio	
Frequency Response	20Hz-20kHz
THD+N	<0.05%
SNR	>80dB
Crosstalk	<-80dB
Digital Audio	
Frequency Response	20Hz-20kHz
THD+N	<0.05%
SNR	>90dB
Crosstalk	<-70dB

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Control	
RS-232	Via the RS-232 commands.
IR EYE	Via the third-party device.
IR	Via the remote control.
Web-GUI	Via the TCP/IP.
Button	Via the front panel buttons.
General	
Power Supply	24V 1.25A
Operation Temperature	-5°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0% ~ 80%
Power Consumption	5.2W
Standby Power Consumption	0.7W
Dimension (W*H*D)	292mm x 79.5mm x 24mm
Net Weight	625g

3. Panel Description

3.1 Front Panel



No.	Name	Description
1	POWER INDICATOR	1x green/ red LED, power input indicator. ● Green on: device on. ● Red on: device standby. ● Red flash: FW upgrade. ● LED off: device off.
2	IR	1x IR sensor, receive the IR signal from remote control.
3	OUTPUT SELECTION	16x LEDs and 4x white buttons, which corresponding to input 1-4. Select the input source by pressing any output button.
4	AUDIO SELECTION	4x LEDs and 1x white buttons, which corresponding to input source audio 1-4. Select the input source audio to de-embedding output.
5	RS232	1x 3-pin phoenix socket, controlled by the RS232 commands.
6	FW	1x USB-C, FW upgrade.

3.2 Rear Panel

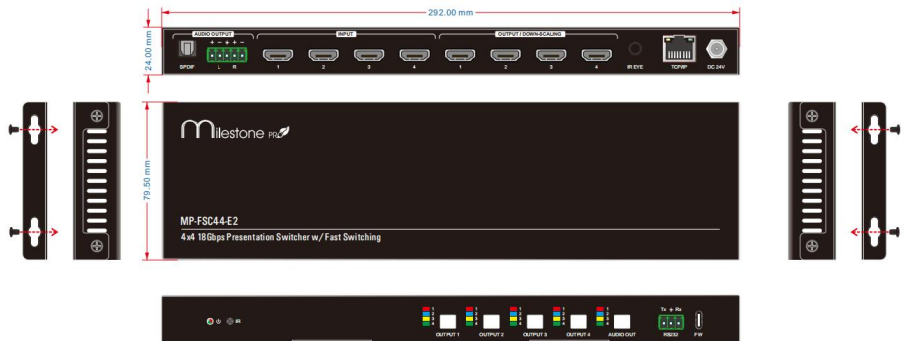


No.	Name	Description
1	AUDIO OUTPUT	1x S/PDIF, connect to the digital audio device. 1x 5-pin phoenix socket, connect to the analog audio device.
2	INPUT	4x HDMI input, connect to the HDMI source device.
3	OUTPUT/DOWN-SCALING	4x HDMI output, connect to the HDMI display.

4x4 Fast Switch Matrix Switcher

		Only output 1/2 supports downscaling.
4	AUDIO OUTPUT	1x S/PDIF, connect to the digital audio device. 1x 5-pin phoenix socket, connect to the analog audio device.
4	IR EYE	1x 3.5mm mini jack, connect to the IR receiver and controlled by the third-party device.
5	TCP/IP	1x RJ45 with left yellow and right green LED, control the device via Web-GUI.
6	DC 24V	24V 1.25A

4. Panel Drawing

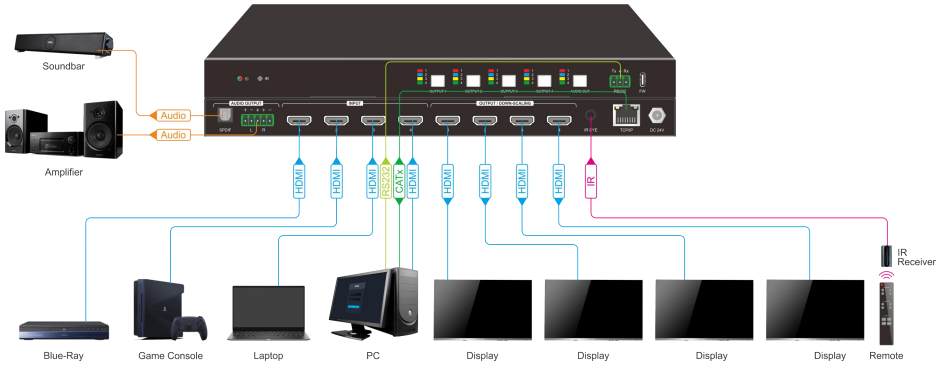


5. System Connection

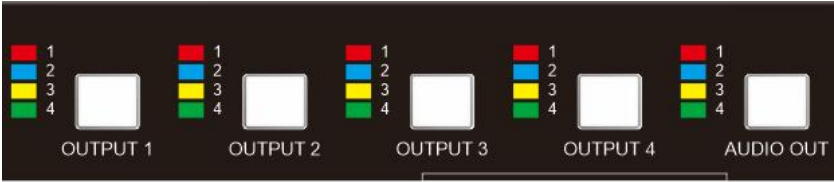
5.1 Usage Precaution

1. Make sure all components and accessories included before installation.
2. System should be installed in a clean environment with proper temperature and humidity.
3. All of the power switches, plugs, sockets, and power cords should be insulated and safe.
4. All devices should be connected before power on.

5.2 System Diagram



6. Front Panel Control



- OUTPUT 1-4: press the output buttons to switch the input source to HDMI display.
- AUDIO OUT: press the audio output buttons to select the input source audio de-embedding out.

7. IR Control

- Video switching

Firstly, please press any output button, the front panel all input LEDs will be always on for 3 seconds to show the switching status is ready. Then press any input button to finish switching. If without any operation in the 3 seconds, system will automatically quit the switching status.



Note: The menu buttons are invalid.

8. Web-GUI Control

Connect the TCP/IP port of the MP-FSC44-E2. TCP/IP supports static IP by default.

If connect the device directly to the PC or using the static IP, please enter the TCP/IP:
192.168.0.178

If it is DHCP, please use the assigned IP address.

Please type the IP address in the address bar of the browser to enter the Web-GUI login interface.

Then type the User Name and the Password. The login information is as follows:

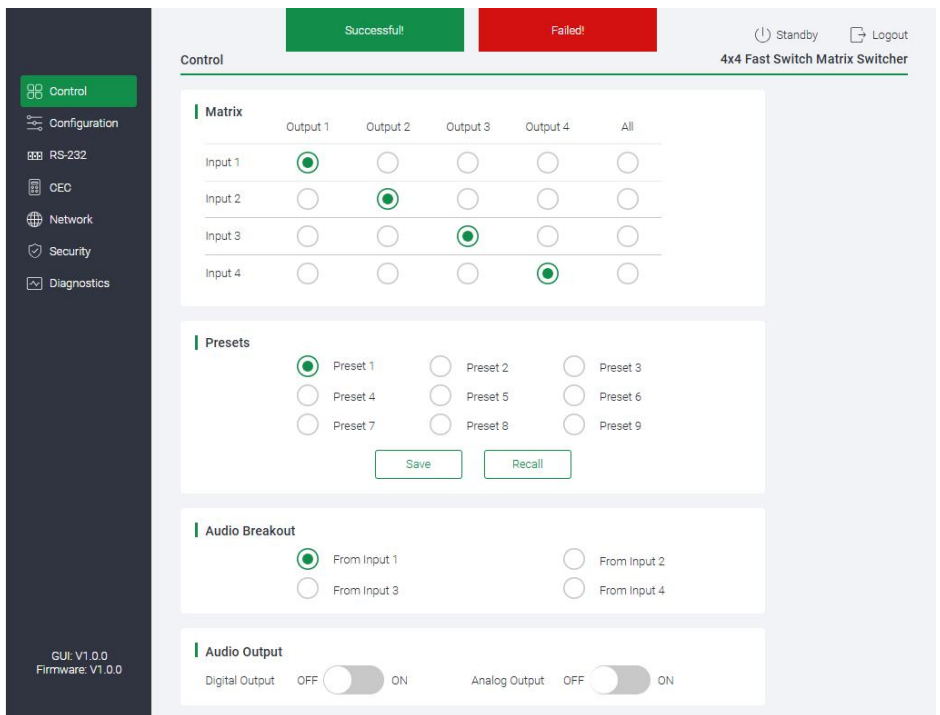
User Name: admin

Password: Admin123@

Last, click Login to enter the main interface.

Note: To protect the safety of the device, please change the default password in time.

8.1 Control



Matrix: select the input source and output channel.

Presets: 9 preset scenes can be saved and recalled.

Audio Breakout: select the audio breakout from input 1-4.

Audio Output: mute or unmute digital audio output and analog output.

8.2 Configuration

Configuration

EDID | Scaler | Labels

Input: ☒ Input 1 ☐ Input 2 ☐ Input 3 ☐ Input 4

EDID: 1080p@60Hz 4:4:4, 8-bit, Audio 2CH PCM (Default)

User Defined 1 EDID: bin

User Defined 2 EDID: bin

User Defined 3 EDID: bin

User Defined 4 EDID: bin

User Defined 5 EDID: bin

User Defined 6 EDID: bin

User Defined 7 EDID: bin

Available EDIDs:

- 1080p@60Hz 4:4:4, 8-bit, Audio 2CH PCM (Default)
- 1080p@60Hz 4:4:4, 8-bit, Audio 5.1CH DTS/Dolby
- 1080p@60Hz 4:4:4, 8-bit, Audio 7.1CH DTS/Dolby/HDR
- 3840x2160p@30Hz 4:4:4, 8-bit, Audio 2CH PCM
- 3840x2160p@30Hz 4:4:4, 8-bit, Audio 5.1CH DTS/Dolby
- 3840x2160p@30Hz 4:4:4, 8-bit, Audio 7.1CH DTS/Dolby/HDR
- 3840x2160p@60Hz 4:2:0, 8-bit, Audio 2CH PCM
- 3840x2160p@60Hz 4:2:0, 8-bit, Audio 5.1CH DTS/Dolby
- 3840x2160p@60Hz 4:2:0, 8-bit, Audio 7.1CH DTS/Dolby/HDR
- 3840x2160p@60Hz 4:4:4, 8-bit, Audio 2CH PCM
- 3840x2160p@60Hz 4:4:4, 8-bit, Audio 5.1CH DTS/Dolby
- 3840x2160p@60Hz 4:4:4, 8-bit, Audio 7.1CH DTS/Dolby/HDR
- 3840x2160p@60Hz 4:4:4, 10-bit, HDR (Inc DV), Audio 2CH PCM
- 3840x2160p@60Hz 4:4:4, 10-bit, HDR (Inc DV), Audio 5.1CH DTS/Dolby
- 3840x2160p@60Hz 4:4:4, 10-bit, HDR (Inc DV), Audio 7.1CH DTS/Dolby/HDR
- 3840x2160p@60Hz 4:4:4, 12-bit, HDR (Inc DV), Audio 2CH PCM
- 3840x2160p@60Hz 4:4:4, 12-bit, HDR (Inc DV), Audio 5.1CH DTS/Dolby
- 3840x2160p@60Hz 4:4:4, 12-bit, HDR (Inc DV), Audio 7.1CH DTS/Dolby/HDR

User Defined 1: User Defined 2: User Defined 3: User Defined 4: User Defined 5: User Defined 6: User Defined 7: EDID Pass-through/Copy from sink 1

GUI: V1.0.0
Firmware V1.0.0

EDID: switch the EDID of input via drop-down bar or use the User Defined EDID.

Scaler: Turn ON/OFF for output 1&2. If it is turned on, it will output optimal resolution depending on display.

Labels: Give each input and output a nickname.

8.3 RS232

RS-232

Format: ASCII ☒ HEX ☐

Baud Rate: 57600

Command Ending: NULL

Command:

Available Baud Rates:

- 5400
- 4800
- 9600
- 19200
- 38400
- 57600
- 115200
- NULL
- CR
- LF
- CR+LF

Standby Logout

4x4 Fast Switch Matrix Switcher

GUI: V1.0.0
Firmware V1.0.0

RS232: control the device by sending RS-232 commands.

8.4 CEC

Control

Configuration

RS-232

CEC

Network

Security

Diagnostics

Standby

Logout

CEC

4x4 Fast Switch Matrix Switcher

Input

Source

☒ Input 1
☐ Input 2
☐ Input 3
☐ Input 4

Enable

OFF

ON

Function

Volume-

Menu

Volume+

On

Off

Stop

Back

Up

Enter

Previous

Next

Pause

Left

Down

Right

REW

FF

Play

Trigger 1

Send

Trigger 2

Send

Output

Display

☒ Output 1
☐ Output 2
☐ Output 3
☐ Output 4

Enable

OFF

ON

Function

On

Off

Source

Mute

Volume-

Volume+

Trigger 1

Send

Trigger 2

Send

GUI: V1.0.0

Firmware: V1.0.0

Input: control source device via CEC.

Output: control sink device via CEC.

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8.5 Network

The screenshot shows the 'Network' configuration page of the 4x4 Fast Switch Matrix Switcher. On the left is a dark sidebar with navigation icons for Control, Configuration, RS-232, CEC, Network (highlighted in green), Security, and Diagnostics. At the bottom of the sidebar, it says 'GUI: V1.0.0' and 'Firmware: V1.0.0'. The main area has a light blue header with 'Standby' and 'Logout' buttons, and the title '4x4 Fast Switch Matrix Switcher'. Below the header, the 'Network' section is titled. Under 'IP Setting', the 'MAC Address' is 44:33:4C:C9:35:12. The 'IP Mode' is set to 'DHCP' with a green toggle switch, and 'Static IP' is also visible. Below this are three input fields: 'IP Address' with the value 192.168.0.178, 'Subnet Mask' with 255.255.255.0, and 'Gateway' with 192.168.0.1. At the bottom of the form are 'Save' and 'Cancel' buttons.

Control
Configuration
RS-232
CEC
Network
Security
Diagnostics

GUI: V1.0.0
Firmware: V1.0.0

Standby Logout
4x4 Fast Switch Matrix Switcher

Network

IP Setting

MAC Address 44:33:4C:C9:35:12

IP Mode DHCP ☒ Static IP

IP Address 192.168.0.178

Subnet Mask 255.255.255.0

Gateway 192.168.0.1

Save Cancel

IP Setting: configure as DHCP or Static IP as required.

8.6 Security

Security

Standby Logout

4x4 Fast Switch Matrix Switcher

Password Update

Old Password

New Password

Confirm Password

Password must have a minimum of 8 characters, including at least 1 number, 1 lower case, 1 upper case and 1 special character.

Save Cancel

Firmware Upgrade

Firmware Upgrade ☒ MCU ☐ Switch IC

FW File Path

Upgrade

Front Panel Lock

Enable OFF ☐ ON

Auto Standby

Enable OFF ☒ ON

Delay Time Min (1~180 min)

Factory Default

Factory Default

GUI: V1.0.0
Firmware: V1.0.0

Password: change the password according to password policy.

Firmware Upgrade: upload the file to upgrade MCU/Switch IC.

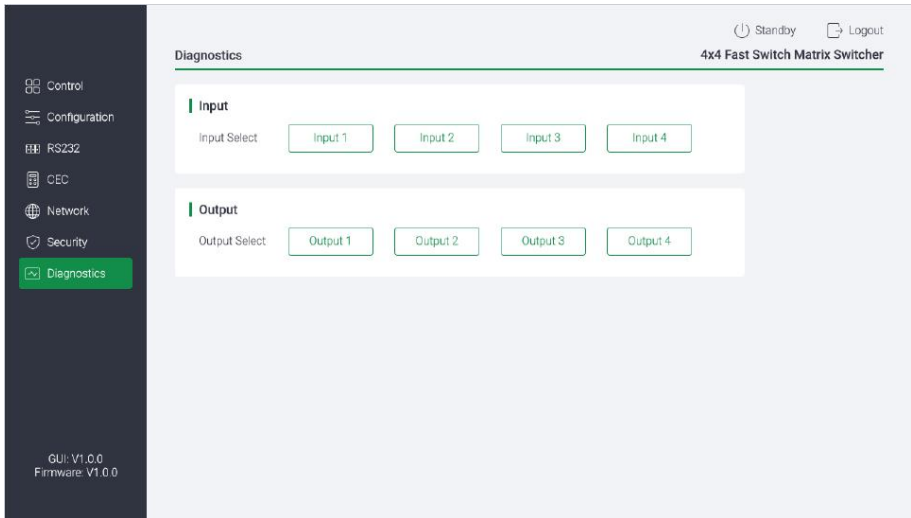
Front Panel Lock: enable/disable the buttons of front panel.

Auto Standby: enter standby mode If there is no operation and no output signal is detected within 15 minutes.

Factory Default: restore factory settings.

Note: When updating the MCU, it takes approximately 35 seconds to complete the upgrade. The update is not complete when the power indicator light is on; do not power off or perform other operations until other indicator lights illuminate, indicating the MCU update is truly finished. When updating the Switch IC, the power indicator light will turn green after the upgrade is complete.

8.7 Diagnostics



Input: Select input to check the relevant information.

Output: Select output to check the relevant information.

9. RS-232 Control

9.1 RS-232 Control Software

Installation: Copy the control software file to the control PC

Uninstallation: Delete all the control software files in corresponding file path.

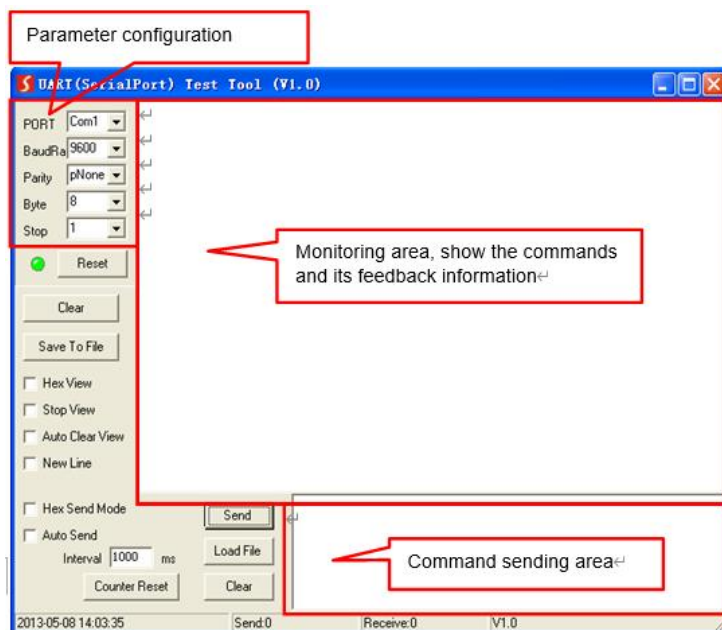
Basic Setting:

Connect the MP-FSC44-E2 with all input devices and output devices needed, then to connect it with a PC which is installed with RS-232 control software. Double-click the software icon to run this software.



Here takes the software CommWatch.exe as example:

The main view is shown as below:



Please set the parameters of COM number, bound rate, data bit, stop bit and the parity bit correctly, and then you are able to send command in command sending area. For related parameters, please refer to **9.2 RS-232 Command**.

9.2 RS-232 Command

Baud rate: 57600 (default)

Data bit: 8

Stop bit: 1

Parity bit: NONE

Command terminator: <CR><LF>

Error command feedback code: Command Error
Out Of Range

Note:

1. Commands are not case sensitive and can automatically identify mixed case commands;
2. The "0" in front of the valid value can be ignored, for example: 01 and 1 inputs are both normal variable values;
3. The space between the command and the variable can be ignored, for example: >SetVideo01 and >SetVideo 01 commands can be sent effectively.

9.2.1 Power Commands

Command	Function	Feedback Example
>SetPower	>SetPower On/Off Enter/Exit Standby Mode	<Power On
		<Power Off
>SetAutoStandby	>SetAutoStandby On/Off Enable/Disable Auto Power Function	<AutoStandby On
>GetAutoStandby	>GetAutoStandby Get The Auto Power Function Status	<AutoStandby On
>SetAutoStandbyTime	>SetAutoStandbyTime xx Set Auto Standby Time xx = [1-180] min	<AutoStandbyTime 15min
>GetAutoStandbyTime	>GetAutoStandbyTime Get Auto Standby Time	<AutoStandbyTime 15min

9.2.2 Video Commands

Command	Function	Feedback Example
>SetVideo	>SetVideo xx To yy Switch An Input Video Signal To One Or More Outputs xx = [01-04] : Input Channal yy = [01-04] : Output Channal yy = [00] : All Output Channal	<Video OUT 01 IN 01
>GetVideo	>GetVideo Get The Current Video Switching Status Of Input Or Output Channel	<Video OUT 01 02 03 04 IN 01 02 03 04

>SetEDID	>SetEDID xx To yy Set The EDID Mode xx = [01-04] : Input Channal xx = [00] : Input Channal yy = [00-25] : EDID Mode 00 : 1080p@60Hz, 8-bit, Audio 2CH PCM (Default) 01 : 1080p@60Hz, 8-bit, Audio 5.1CH DTS/DOLBY 02 : 1080p@60Hz, 8-bit, Audio 7.1CH DTS/DOLBY/HD 03 : 3840x2160@30Hz 4:4:4, 8-bit, Audio 2CH PCM 04 : 3840x2160@30Hz 4:4:4, 8-bit, Audio 5.1CH DTS/DOLBY 05 : 3840x2160@30Hz 4:4:4, 8-bit, Audio 7.1CH DTS/DOLBY/HD 06 : 3840x2160@60Hz 4:2:0, 8-bit, Audio 2CH PCM 07 : 3840x2160@60Hz 4:2:0, 8-bit, Audio 5.1CH DTS/DOLBY 08 : 3840x2160@60Hz 4:2:0, 8-bit, Audio 7.1CH DTS/DOLBY/HD 09 : 3840x2160@60Hz 4:4:4, 8-bit, Audio 2CH PCM 10 : 3840x2160@60Hz 4:4:4, 8-bit, Audio 5.1CH DTS/DOLBY 11 : 3840x2160@60Hz 4:4:4, 8-bit, Audio 7.1CH DTS/DOLBY/HD	<EDID IN 01 STA 01
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	12 : 3840x2160@60Hz 4:4:4, 10-bit, HDR, (IncDV), Audio 2CH PCM 13 : 3840x2160@60Hz 4:4:4, 10-bit, HDR, (IncDV), Audio 5.1CH DTS/DOLBY 14 : 3840x2160@60Hz 4:4:4, 10-bit, HDR, (IncDV), Audio 7.1CH DTS/DOLBY/HD 15 : 3840x2160@60Hz 4:4:4, 12-bit, HDR, (IncDV), Audio 2CH PCM 16 : 3840x2160@60Hz 4:4:4, 12-bit, HDR, (IncDV), Audio 5.1CH DTS/DOLBY 17 : 3840x2160@60Hz 4:4:4, 12-bit, HDR, (IncDV), Audio 7.1CH DTS/DOLBY/HD 18 : User Defined 1 19 : User Defined 2 20 : User Defined 3 21 : User Defined 4 22 : User Defined 5 23 : User Defined 6 24 : User Defined 7 25 : EDID Pass-Through (Copy From Sink 1)	
>GetEDID	>GetEDID Get The EDID Mode	<EDID IN 01 02 03 04 STA 01 01 01 01
SetEDIDMInit	>SetEDIDMInit Set All EDID To Default	<EDID IN 01 02 03 04

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		STA 00 00 00 00
>SetUpdateEDID	>SetUpdateEDID xx Upload The User Defined EDID EDID Via RS232 Send To Matrix xx = [01,18] : User EDID 1 [02,19] : User EDID 2 [03,20] : User EDID 3 [04,21] : User EDID 4 [05,22] : User EDID 5 [06,23] : User EDID 6 [07,24] : User EDID 7	<User EDID Ready,Please send EDID Data In 10s. <EDID Saved In User EDID 01 <SetUpdateEDID_True <SetUpdateEDID_False
>SetScaler	>SetScaler xx On/Off Set The Output Channal Scaler Mode xx = [01-02] : Output Channal xx = [00] : All Supported Output Channal(01-02) On : Auto Downscaling Off : Bypass	<Scale OUT 01 STA 0N
>GetScaler	>GetScaler Get The Output Channal Scaler Mode	<Scale OUT 01 02 STA On On
>GetHDCPMode	>GetScaler Get the output channal scaler mode	<HDCPMode OUT 01 02 03 04 STA 01 01 01 01

9.2.3 Audio Commands

Command	Function	Feedback Example
>SetAudioMute	>SetAudioMute xx On/Off Enable/Disable Audio Mute xx = [A01] :Analog Audio Output Channel xx = [D01] :Digital Audio Output Channel xx = [A00] :All Analog Audio Output Channel xx = [D00] :All Digital Audio Output Channel xx = [00] : All Audio Output Channel	<AudioMute AUD A01 STA On <AudioMute AUD D01 STA Off
>GetAudioMute	>GetAudioMute Get Audio Mute Status	<AudioMute AUD D01 A01 STA Off Off
>SetAudio	>SetAudio xx Select Audio Source xx = [01-04] : Input Channel	<Audio OUT 01 IN 02
>GetAudio	>GetAudio Get Audio Source xx = [01-04] : Input Channel	<Audio OUT 01 IN 02

9.2.4 Preset Commands

Command	Function	Feedback Example
>SavePreset	>SavePreset xx Save Output-Input Relationship Setting xx = [01-09] : Setting ID	<Preset 1 Video OUT 01 02 03 04 IN 01 02 03 04

>RecallPreset	>RecallPreset xx Call Output-Input Relationship Setting xx = [01-09] : Setting ID	<Preset 1 Video OUT 01 02 03 04 IN 01 02 03 04
>GetPreset	>GetPreset xx Get Output-Input Relationship xx = [01-09] : Setting ID	<Preset 1 Video OUT 01 02 03 04 IN 01 02 03 04

9.2.5 RS-232 Commands

Command	Function	Feedback Example
>SetRS232Baud	>SetRS232Baud xx Set The RS232 Baud Rate xx = 1 2400, 2 4800, 3 9600, 4 19200, 5 38400, 6 57600 (Default), 7 115200	<RS232Baud 57600
>GetRS232Baud	>GetRS232Baud Get the RS232 Baud Rate	<RS232Baud 57600
>SendChar_RS232	>SendChar_RS232,xx,yy:zz xx : Ending 1 NULL, 2 CR, 3 LF, 4 CR+LF yy : 1=2400, 2 4800, 3 9600, 4 19200, 5 38400, 6 57600 (Default), 7 115200 zz : The Command To Send(ASCII Format)	123456789
>SendHex_RS232	>SendHex_RS232,xx,yy:zz xx : Ending 1 NULL, 2 CR, 3 LF, 4 CR+LF yy : 1 2400, 2 4800, 3 9600, 4 19200, 5 38400, 6 57600 (Default), 7 115200	0123

	zz : The Command To Send(Hex Format)	
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9.2.6 Network Commands

Command	Function	Feedback Example
>SetIP	>SetIP <xxx.xxx.xxx.xxx> <yyy.yyy.yyy.yyy> <zzz.zzz.zzz.zzz> Set IP Address, Mask And Gateway xxx = 0 ~ 255(IP Address) yyy = 0 ~ 255(Subnet Mask) zzz = 0 ~ 255(Gateway)	<DHCP Off <IP: <192.168.0.178> <255.255.255.0> <192.168.0.1>
>GetIP	>GetIP Get The IP To Access GUI	<IP: <192.168.0.178> <255.255.255.0> <192.168.0.1>
>SetDHCP	>SetDHCP On/Off SetDHCP Enable/Disable	<DHCP ON <IP: <192.168.0.101> <255.255.255.0> <192.168.0.1> <DHCP OFF <IP: <192.168.0.101> <255.255.255.0> <192.168.0.1>
>GetDHCP	>GetDHCP Get DHCP Enable Status	<DHCP ON

9.2.7 CEC Commands

Command	Function	Feedback Example
>SetCECSrcEnable able	>SetCECSrcEnable xx Send CEC Enable To Source xx = [01-04] Input HDMI Channel xx = [00] : All Input Channel	<CECSrcSta IN 01 STA Off
>SetCECSrcDisable able	>SetCECSrcDisable xx Send CEC Disable To Source xx = [01-04] Input HDMI Channel xx = [00] : All Input Channel	<CECSrcSta IN 01 STA Off
>GetCECSrcSta	>GetCECSrcSta Get CEC Enable State To Source	<CECSrcSta IN 01 02 03 04 STA On On On On
>SetCECSrcMenu nu	>SetCECSrcMenu xx Send CEC Menu command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcMenu 01
>SetCECSrcUp	>SetCECSrcUp xx Send CEC UP command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcUp 01
>SetCECSrcDown wn	>SetCECSrcDown xx Send CEC DOWN command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcDown 01
>SetCECSrcLeft	>SetCECSrcLeft xx Send CEC LEFT command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcLeft 01

>SetCECSrcRight ht	>SetCECSrcRight xx Send CEC RIGHT command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcRight 01
>SetCECSrcBack k	>SetCECSrcBack xx Send CEC BACK command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcBack 01
>SetCECSrcEnter er	>SetCECSrcEnter xx Send CEC OnTER command to source xx = 01~04 : Input HDMI channel	<CECSrcEnter 01
>SetCECSrcOn	>SetCECSrcOn xx Send CEC On command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcOn 01
>SetCECSrcOff	>SetCECSrcOff xx Send CEC Off command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcOff 01
>SetCECSrcStop p	>SetCECSrcStop xx Send CEC STOP command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcStop 01
>SetCECSrcPlay y	>SetCECSrcPlay xx Send CEC PLAY command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcPlay 01

4x4 Fast Switch Matrix Switcher

>SetCECSrcPause use	>SetCECSrcPause xx Send CEC PAUSE command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcPause 01
>SetCECSrcPrev v	>SetCECSrcPrev xx Send CEC PREV command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcPrev 01
>SetCECSrcNext xt	>SetCECSrcNext xx Send CEC NEXT command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcNext 01
>SetCECSrcRe wind	>SetCECSrcRewind xx Send CEC rewind command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcRewind 01
>SetCECSrcFas tForward	>SetCECSrcFastForward xx Send CEC fast-forward command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcFastForward 01
>SetCECSrcVO LPlus	>SetCECSrcVOLPlus xx Send CEC volume increase command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcVOLPlus 01

4x4 Fast Switch Matrix Switcher

>SetCECSrcVOLMinus	>SetCECSrcVOLMinus xx Send CEC volume decrease command to source xx = [01-04] : Input HDMI Channel xx = [00] : All Input Channel	<CECSrcVOLMinus 01
>SetCECDisplayEnable	>SetCECDisplayEnable xx Send CEC Enable To Displayer xx = [01-04] : Output HDMI Channel xx = [00] : All Output Channel	<CECDisplaySta OUT 01 STA On
>SetCECDisplayDisable	>SetCECDisplayDisable xx Send CEC Disable To Displayer xx = [01-04] : Output HDMI Channel xx = [00] : All Output Channel	<CECDisplaySta OUT 01 STA Off
>GetCECDisplaySta	>GetCECDisplaySta Get CEC Enable State To Displayer	<CECDisplaySta OUT 01 02 03 04 STA On On Off Off
>SetCECDisplayOn	>SetCECDisplayOn xx Send CEC On Command To Displayer xx = [01-04] : Output HDMI Channel xx = [00] : All Output Channel	<CECDisplayOn 01
>SetCECDisplayOff	>SetCECDisplayOff xx Send CEC Off Command To Displayer xx = [01-04] : Output HDMI Channel xx = [00] : All Output Channel	<CECDisplayOff 01

>SetCECDisplaySource	>SetCECDisplaySource xx Send CEC SOURCE Command To Displayer xx = [01-04] : Output HDMI Channal xx = [00] : All Output Channal	<CECDisplaySource 01
>SetCECDisplayMute	>SetCECDisplayMute xx Send CEC MUTE Command To Displayer xx = [01-04] : Output HDMI Channal xx = [00] : All Output Channal	<CECDisplayMute 01
>SetCECDisplayVOLPlus	>SetCECDisplayVOLPlus xx Send CEC Volume Increase Command To Displayer xx = [01-04] : Output HDMI Channal xx = [00] : All Output Channal	<CECDisplayVOLPlus 01
>SetCECDisplayVOLMinus	>SetCECDisplayVOLMinus xx Send CEC Volume Decrease Command To Displayer xx = [01-04] : Output HDMI Channal xx = [00] : All Output Channal	<CECDisplayVOLMinus 01

>CEC <xx,yy,zz, ww>	>CEC <xx,yy,zz,ww> Send User CEC Command xx = [S01-S04, 01-04] S01 : HDMI IN 1 S02 : HDMI IN 2 S03 : HDMI IN 3 S04 : HDMI IN 4 01 : HDMI OUT 1 02 : HDMI OUT 2 03 : HDMI OUT 3 04 : HDMI OUT 4 yy = Device Address zz = Opcode ww = Command	<CEC send to HDMI Input 1:04,44,46
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9.2.8 System Commands

Command	Function	Feedback Example
>GetFirewareVersion	>GetFirewareVersion Get The Firmware Version	<FW Version:V1.0.0 <GUI Version:V1.0.0 <Switch IC Version:V1.0.0
>GetStatus	>GetStatus Get System Status	<System Initialization..... <4x4 4K HDMI 2.0 Matrix Switcher <Model:MP-FSC44-E2 <FW Version:V1.0.0 <GUI Version:V1.0.0 <Switch IC Version:V1.0.0 ...
>FactoryReset	>FactoryReset Factory Config Reset To	<FactoryReset

4x4 Fast Switch Matrix Switcher

	Default	
>Reboot	>Reboot Reboot The System	<Reboot
>Help	>Help xx Get The Command Details xx = The Command To Query;If Null, Query All Command	>SetVideo xx To yy Switch An Input Video Signal To One Or More Outputs xx = [01-04] : Input Channel yy = [01-04] : Output Channel yy = [00] : All Output Channel
>SetKeyLock	>SetKeyLock On/Off Lock/Unlock The Keypad	<KeyLock On <KeyLock Off
>GetKeyLock	>GetKeyLock Get The Keypad Locking Status	<KeyLock Off
>GetType	>GetType Get Matrix Product Name	<4x4 4K HDMI 2.0 Matrix Switcher
>GetDeviceModel	>GetDeviceModel Get The Product Name	<Model:MP-FSC44-E2

10. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

1) Warranty

The limited warranty period of the product is fixed three years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusions:

Factory applied serial number has been altered or removed from the product.

Damage, deterioration or malfunction caused by:

- ✧ Normal wear and tear.
- ✧ Use of supplies or parts not meeting our specifications.
- ✧ No certificate or invoice as the proof of warranty.
- ✧ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
- ✧ Damage caused by force majeure.
- ✧ Servicing not authorized by distributor.
- ✧ Any other causes which do not relate to a product defect.

4) Documentation:

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defeat has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Note: *For further assistance or solutions, please contact your local distributor.*