

Milestone MP-SU21T-KVM 18Gbps HDMI USB-C KVM Switcher KIT User Manual

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Milestone MP-SU21T-KVM 18Gbps HDMI USB-C KVM Switcher KIT





18Gbps HDMI+USB-C KVM Switcher KIT

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Version: MP-SU21T-KVM_2022V1.1

Product Information

Ρ r 0 d u MP-SU21T-KVM ct Ν а m е М 0 18Gbps HDMI+USB-C KVM Switcher KIT d el Ρ Read this user manual carefully before using the product. ef The pictures shown in this manual are for reference only. Different models and specifications are subject to а real products. C е F C This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by t C he instructions, may cause harmful interference to radio communications. It has been tested and found to c S omply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. Operation of this ta equipment in a residential area is likely to cause interference, in which case the user at their own expense te will be required to take whatever measures may be necessary to Correct the interference. Any changes or m е modifications not expressly approved by the manufacturer would void the user's authority to operate the eq uipment. n t To ensure the best from the product, please read all instructions carefully before using the device. Save this S manual for further reference. Unpack the equipment carefully and save the original box and packing materi af al for possible future shipment. Follow basic safety precautions to reduce the risk of fire, electrical shock, et and injury to persons. Do not dismantle the housing or modify the module. It may result in electrical shock o у r burn. Using supplies or parts not meeting the products' specifications may cause damage, deterioration, o Р r malfunction. Refer all servicing to qualified service personnel. To prevent fire or shock hazards, do not exp r ose the unit to rain, or moisture or install this product near water. Do not put any heavy items on the extensi е on cable in case of extrusion. Do not remove the housing of the device as opening or removing the housing C may expose you to dangerous voltage or other hazards. Install the device in a place with fine ventilation to а avoid damage caused by overheating. Keep the module away from liquids. Spillage into the housing may re u sult in fire, electrical shock, or equipment damage. If an object or liquid falls or spills onto the housing, unpl ti ug the module immediately. Do not twist or pull by force ends of the cable. It can cause a malfunction. Do n ot use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning. n Unplug the power cord when left unused for a long period. Information on disposal for scrapped devices: do S not burn or mix with general household waste, please treat them as normal electrical wastes.

Product Usage Instructions

- 1. Unpack the device carefully and keep the original box and packing material for future use.
- 2. Before using the device, read the user manual thoroughly for proper understanding.
- 3. Ensure that the device is placed in a well-ventilated area to prevent overheating.
- 4. Do not dismantle the housing or modify the module as it may result in electrical shock or burn.
- 5. Only use supplies or parts that meet the product's specifications to avoid damage, deterioration, or

malfunction.

- 6. In case of any servicing or maintenance requirements, refer to qualified service personnel.
- 7. To prevent fire or shock hazards, avoid exposing the device to rain, moisture, or water.
- 8. Avoid placing heavy items on the extension cable to prevent extrusion.
- 9. Do not remove the housing of the device as it may expose you to dangerous voltage or other hazards.
- 10. Keep the device away from liquids to avoid fire, electrical shock, or equipment damage. If any object or liquid falls or spills onto the housing, unplug the module immediately.
- 11. Handle the cable ends with care and avoid twisting or pulling them by force to prevent malfunctions.
- 12. Use a dry cloth to clean the unit, and ensure that the power is unplugged before cleaning.
- 13. If the device will be left unused for a long period, unplug the power cord.
- 14. Dispose of scrapped devices properly by not burning or mixing them with general household waste. Treat them as normal electrical waste.

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 it 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
- To prevent fire or shock hazards, do not expose the unit to rain, or moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of
- Do not remove the housing of the device as opening or removing the housing may expose you to dangerous voltage or other hazards.
- · Install the device in a place with fine ventilation to avoid damage caused by
- · Keep the module away from
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills onto the housing, unplug the module
- Do not twist or pull by force ends of the It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Product Introduction

MP-SU21T-KVM is an 18Gbps switcher kit. It supports up to 4K/60/4:4:4, HDR10 and Dolby Vision, HDCP 2.2. It also supports uncompressed transmission of 18Gbps signals with a distance of up to 100m. At the same time, it can be connected to KVM equipment, which is very suitable for equipment connection and signal transmission in conference rooms. The switcher kit also supports RS232&CEC control and bidirectional 48V PoC

Features

- HDMI 0, highest support 4K@60HZ 4:4:4, HDR10 and Dolby Vision, HDCP 2.2,
- 1 x HDMI input, 1 x USB-B host, 1 x USB-C input, 1 x HDMI output and 1 x HDBaseT output
- HDBT 0, support 100m transmission and bidirectional 48V PoC
- Support RS232 control and CEC control
- · USB-C input supports 60W external charging
- · Auto switch 5V or TMDS detection
- Support Dry Contact Control

Packing List

- 1 x MP-SU21T-KVMT
- 4 x 3-pin terminal block
- 1 x 5-pin terminal block
- 1 x 3-pin to DB9 RS232 cable
- 2 x hangers
- 4 x screws
- 4 x foot pads
- 1 x MP-SU21T-KVMR
- 1 x 3-pin terminal block
- 1 x 5-pin terminal block
- 2 x hangers
- 2 x screws
- 4 x foot pads
- 1 x DC24V/5A power adapter
- 1 x English manual

Customer Service

We provide a limited warranty for the product within three years counting from the date of purchase (The purchase invoice shall prevail).

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

Specification

| | Transmitter | Receiver |
|------------------------|---------------------------|-------------|
| Video | | |
| Video Input | (1) HDMI IN, (1) USB-C IN | (1) HDBT IN |
| | (1) Type-A female HDMI | |
| Video Output Connector | (1) Type-C | (1) RJ45 |

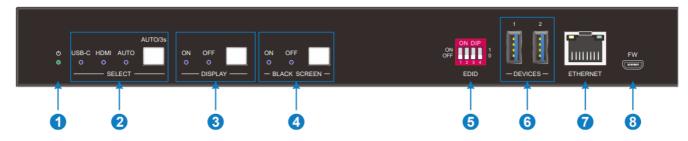
| | HDMI: Up to 4K@60Hz 4:4:4 | | |
|----------------------------|---|----------------------------|--|
| Input Resolution | HDR10, Dolby Vision | Up to 4K@60Uz 4:0:0 | |
| input Resolution | USB-C: Up to 4K@60Hz 4:4:4 | Up to 4K@60Hz 4:2:0 | |
| Video Output | (1) HDMI OUT (1) HDBT OUT | (1) HDMI | |
| Video Output Connector | (2) Type-A female HDMI | (1) Type-A female HDMI | |
| | HDMI: Up to 4K@60Hz 4:4:4 | | |
| Output Pasalutian | HDR10, Dolby Vision | Up to 4K@60Hz 4:4:4 HDR10, | |
| Output Resolution | HDBT: Up to 4K@60Hz 4:2:0 | Dolby Vision | |
| HDMI Standard | Up to HDMI 2.0b | Up to HDMI 2.0b | |
| HDCP Version | Up to HDCP 2.2 | Up to HDCP 2.2 | |
| Audio | | | |
| HDMI Embedded Audio Format | LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DT S:X™, and DTS-HD® Master Audio™ pass-through. | | |
| Audio Output Connector | (1) 5-pin terminal block | (1) 5-pin terminal block | |
| Frequency Response | 20Hz-20KHz, ±3dB | | |
| | $0.88 \text{ Vrms} \pm 0.5 \text{ dB}$. $2 \text{ V} = 16 \text{ dB headroom above -10 dBV (316 mV) nominal consumer line level signal}$ | | |
| Max Output Level | SPDIF: ±0.05dBFS | | |
| THD+N | < 0.05% (-80 dB), 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0 dBFS level (or max level) | | |
| SNR | > 80dB, 20Hz-20 kHz bandwidth SPDIF: > 90dB, 20Hz-20 kHz bandwidth | | |
| Crosstalk Isolation | < -80 dB, 10 kHz sine at 0 dBFS level (or max level before clipping) | | |
| L-R Level Deviation | < 0.3 dB, 1 kHz sine at 0 dBFS level (or max level before clipping) | | |
| Output Load Capability | 1k ohm and higher (supports 10x paralleled 10k ohm loads) | | |
| Noise Level | >70dB @ 1 kHz | | |
| Control | | | |
| | | | |

| | (1) EDID switch, (2) DEVICES | |
|-----------------------|---|------------------------------------|
| | (1) ETHERNET, (1) FW, | |
| Control nort | (1) HOST, (2) GR, (2) RS232 | (4) DEVICE, (1) ETHERNET |
| Control port | (1) TCP/IP | (1) RS232 |
| | (1) 4-pin DIP switch | |
| | (2) USB Type-A, (1) RJ45 | |
| | (1) Micro-USB, (1) USB Type-B | (2) LICE Time A (1) LICE Time C |
| Cantral Cannactor | (2) 3-pin terminal block | (3) USB Type-A, (1) USB Type-C |
| Control Connector | (2) 3-pin terminal block, (1) RJ45 | (1) RJ45, (1) 3-pin terminal block |
| General | | |
| Operation Temperature | -5 ~ +55°C | |
| Storage Temperature | -25 ~ +70°C | |
| Relative Humidity | 10% ~ 90% | |
| External Power Supply | Input: AC 100~240V, 50/60Hz; Output: 24V DC 5A. | |
| Power Consumption | 76.5W (Max) | |
| USB-C Power Charging | 60W(Max) | |
| Dimension (W*H*D) | 265W x 150D x 32H mm 173W x 95D x 24.5H mm | |
| Net Weight | 1020g | 410g |
| | | |

Panel Description

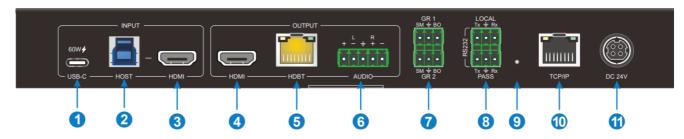
Transmitter

• Front Panel



| No. | Name | Description |
|-----|--------------|---|
| 1 | Power LED | 1 x green indicator light, The light is always on when the machine is working, a nd it goes out when the power is off |
| | | I 1 x White non-backlit button, 3 x blue indicator lights, |
| 2 | SELECT | I Click the button to select the input source (HDMI or USB-C), press and hold f or 3 seconds to enter or exit automatic switching mode, and the corresponding indicator is always on |
| | | I 1 x white non-backlit button, 2 x blue indicator lights; |
| 3 | DISPLAY | I Press the button to send the DISPLAY ON/OFF CEC and RS232 commands to control the TX and RX display terminal switches at the same time, and the corresponding indicator light is always on; |
| | | I 1 x white non-luminous button, 2 x blue indicator lights; |
| 4 | BLACK SCREEN | I Press the button to enter or exit the output black screen state, and the corres ponding indicator light is always on; |
| 5 | EDIT | 1 x 4-pin DIP switch for EDID management |
| 6 | DEVICES | 2 x USB-A 3.0, connect keyboard, mouse, microphone, printer, and other equi pment |
| 7 | ETHERNET | 1 x RJ45, used for network passthrough transmission |
| 8 | FW | 1 x Micro-USB, used for MCU firmware upgrade |

• Rear Panel



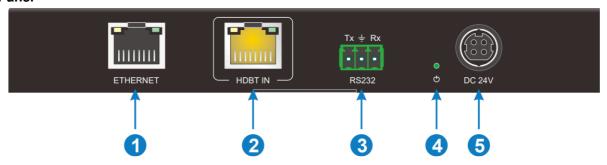
| No. | Name | Description |
|----------|----------|--|
| 1 | USB-C | 1 x USB-C 3.0 input, support external 60W charging |
| 2 | HOST | 1 x USB-B 3.0, connect to HOST devices such as laptops |
| 3 | HDMI IN | 1 x HDMI input, connect to HOST devices such as laptops |
| 4 | HDMI OUT | 1 x HDMI loop output |
| ⑤ | HDBT | 1 x HDBT output, the green light is always on when the signal is with HDCP, a nd flashes when the input signal is without HDCP; the yellow light is always on after the TX and RX are connected; |
| 6 | AUDIO | 1 x 5-pin balanced audio output, output audio de-embedding |
| | | GR1: Correspond the USB-C GR2: Conrrespond the HDMI SM: Switch to the current source |
| 7 | Grommet | BO: Print a black screen to all outputs. |
| | | LOCAL: Connect the control devices to control the transmitter |
| 8 | RS232 | PASS: Bidirectional passthrough transmission with Receiver |
| 9 | Upgrade | 1 x Built-in short-handled buttons, press and hold for 3s to enter the upgrade mode, and the power indicator flashes. At this time, you can upgrade the firm ware through the serial port, and press the button again to exit the upgrade mode |
| 10) | TCP/IP | 1 x RJ45, TCP/IP control |
| | DC 24V | Connect DC24V5A power adapter |

Front Panel



| No. | Name | Description |
|-----|---------|--|
| | | I 1 x HDMI output; |
| 1 | OUTPUT | I 1 x 5-pin balanced audio output, HDMI output audio de-embedding |
| 2 | DEVICES | 3 x USB-A 2.0, 1 x USB-C, connect keyboard, mouse, microphone, printer, camera and other equipment |

Rear Panel



| No. | Name | Description |
|-----|-----------|--|
| | ETHERNET | 1 x RJ45, used for network passthrough transmission |
| 2 | HDBT IN | 1 x RJ45 interface, the green light is always on when the signal is with HDCP, an d flashes when the input signal is not HDCP; the yellow light is always on after the TX and RX are connected |
| 3 | RS232 | 1 x 3-pin phoenix head, RS232 passthrough transmission |
| 4 | Power LED | 1 x green indicator light, always on when the machine is working |
| 5 | DC 24v | Connect DC24V5A power adapter |

EDID Management



EDID is control by the EDID DIP switch, the specific description is as follows:

- 0000 Learn the display EDID in the default mode: read the EDID of the TX HDMI output and RX HDMI output, and output the EDID with the lower resolution of the two, if you can't learn it, then use the built-in 1920×1080@60 8bit Stereo
- 0001 1920×1080@60 8bit High Definition Audio 0010 3840×2160@60Hz Deep Color Stereo Audio 0011 3840×2160@30Hz 8bit Stereo Audio
- 0100 3840×2160@30Hz Deep Color High Definition Audio 0101 3840×2160@60Hz 4:2:0 Deep Color Stereo

Audio 0110 3840×2160@60Hz Deep Color High Definition Audio 0111 3840×2160@60Hz Deep Color HDR LPCM 6CH

- 1011 Custom EDID1
- 1100 Custom EDID2
- 1101 Custom EDID3
- 1110 Custom EDID4
- 1111 EDID management

GUI Control

The MP-SU21T-KVM can be controlled via TCP/IP. The default IP settings are:

• IP Address:192.168.0.178

• Subnet Mask:255.255.255.0

• Gateway:192.168.0.1

Please type the IP Address of the control PC in the internet browser, and it will enter the below log-in webpage



Username: adminPassword: admin

Please type the username and the password, and then click LOGIN

Video Tab



• Choose the HDMI, USB-C, or Auto source according to actual

Configuration Tab

EEDITChoose the desired EDID format or define the appropriate EDID format

Auto Downscale



• Enable or disable the auto Downscale in TX or RX

HDCP

| Video | Configuration | CEC | RS232 | Network | Access |
|-------|---------------|------------------------------------|----------------|---------|--------|
| | EDID | Auto Down | nscale HDCP | Tags | |
| | | | Source Display | | |
| | | Tx Output Follow Rx Output Follow | | | |
| | | Con | nfirm | | |
| | | | | | |

• Choose the HDCP follow the source or display

Tags



• Choose and enter the tags, then click Confirm to change the

CEC Tab

Input



• Select the function and press to control the input

Output



• Select the function button and press to control the output

User-defined



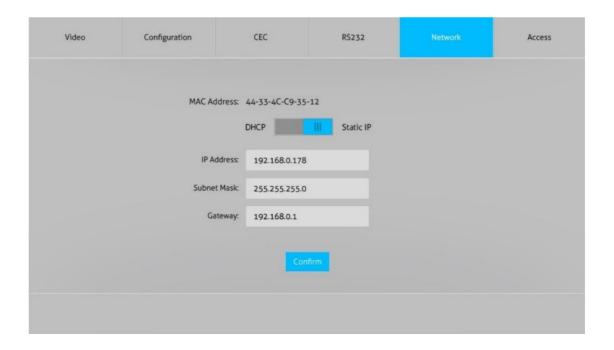
• Define the Trigger of input and output

RS232 Tab



- Baud Rate: Supports 9600, 19200, 38400, 57600, 115200
- Command Ending: NULL, CR, LF, or CR+LF can be chosen.
- Command: Type the command in the box to control the third-party device which is connected to the RS232 port of the MP-SU21T-KVM.

Network Tab



- Static IP or Dynamic Host Configuration Protocol (DHCP).
- · Modify the static IP Address, Subnet Mask, and Gateway

Access Tab



- · Modify the login password
- Choose the firmware upgrade file and click confirm to upgrade the firmware
- · Lock or unlock the front panel buttons

RS232 control

RS232 control software

- Installation: Copy the control software file to the control PC
- Uninstallation: Delete all the control software files in the corresponding file path.

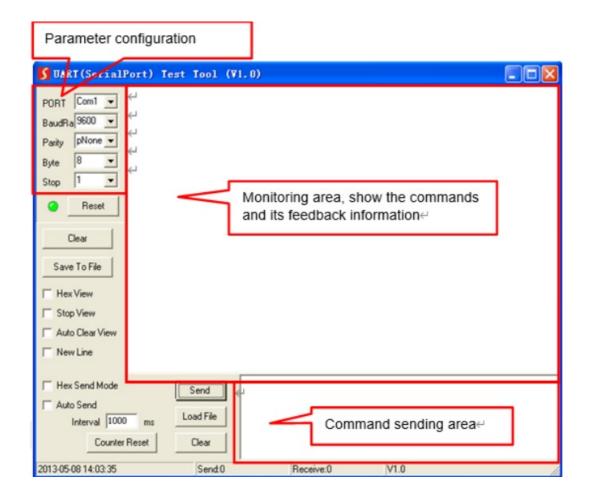
Basic Setting: Connect the switcher kit with all input devices and output devices needed, then connect it to a
PC that is installed with RS232 control software. Double-click the software icon to run this software.

Here takes the software CommWatch.exe as an example:



The main view is shown below:

Please set the parameters of the COM number, bound rate, data bit, stop bit, and parity bit correctly, and then you will be able to send the command in the command sending area



RS232 Command

Communication protocol: RS232 Communication Protocol

• Baud rate: 9600

Data bit: 8Stop bit: 1

· Parity bit: none

System control

| Command | Description | Command & Feedback Example |
|--------------------|---|--|
| PHDBTON. | HDBaseT OUT POC power on | HDBT 01 is powered on! |
| PHDBTOFF. | HDBaseT OUT POC power off | HDBT 01 Power OFF! |
| HDMIA. | Auto-switch mode on | HDMI Out Switch Auto Mode! |
| НОМІМ. | Manual-switch mode on | HDMI Out Switch Manual Mode! |
| HDMI[x]. | HDMI input source selection. x = 1 & 2 1 - Type-C 2 - HDMI | HDMI Out Switch To 01! HDMI Out Switch T o 01! |
| POWON. | Turn off standby mode | Power ON! |
| POWOFF. | Turn on standby mode | Power OFF! |
| SIGNALTRG[xx]MODE. | When setting the detection mode xx=1, it is 5V detection, and when it is 2, it is TMDS detection. | Set Trigger Mode To 5V. |
| SIGNALTRGSTA. | Query the method of signal detection (TMDS or 5V) | Get Trigger Mode Is 5V. |

| RST. | Restore Factory | Factory Default! |
|-------|------------------------------|---------------------|
| Lock. | Turn on the front panel lock | Front Panel Locked! |

| Unlock. | Turn off the front panel lock | Front Panel Unlocks! |
|-------------------------|--|--|
| STA. | Status query | MP-SU21T-KVM V1.0.0 PWON! HDBT 01 is powered on! HDMI OUT 01 Down Scale OFF! HDMI OU T 02 Down Scale OFF! HDMI Out Switch A uto Mode! Get Trigger Mode Is 5V. System Unlock! Baudrate9600! GUI_IP:192.168.0.200! HDMI Out Switch To 02! Set Output Black Screen ON! IN 12 LINK Y Y OUT 12 LINK Y Y Input 1 EDID From 1 User Define EDID! Input 2 EDID From 1 Internal EDID! OUT 01 HDCP MAT DISPLAY! OUT 02 HDCP MAT DISPLAY! Set POFF Delay To 600 Seconds (s)! |
| RS232ONSAVE:[Y],[xx x]. | Save the display terminal boot command sent when the input is det ected. Y is the baud rate, 1–2400; 2–4800; 3–9600; 4–19200; 5– | Save PON Command:YYYYY,Baudrate Is 9 600! |

| | 38400; 6-57600; 7 –115200; xxx is the command data | |
|--------------------------|--|--|
| RS232OFFSAVE:[Y],[x xx]. | Save the display terminal shutdo wn command sent when no input is detected. Y is the baud rate, 1–2400; 2–4800; 3–9600; 4–19200; 5–38400; 6-57600; 7–115200; xxx is the command data | Save POFF Command:TTTTTT.,Baudrate I s 9600! |
| RS232DLYOUT[xx]:[yy] | Set the delayed sending time of the display terminal shutdown command sent when no input is detected, the default is 10 minutes, 600S | Set POFF Delay To 10 Seconds (s)! |

Source control

| Command | Description | Command & Feedback Example |
|-------------|---|---|
| TVON. | Turn on the TV by CEC control | CEC_TV_POWON! CEC Output 01 Send Success. CEC Output 02 Send Success. |
| TVOFF. | Turn off the TV by CEC control | CEC_TV_POWOFF! CEC Output 01 Send Success. CEC Output 02 Send Success. |
| TVVOL+. | TV volume plus by CEC control | CEC_TV_VOLUP! CEC Output 01 Send Success. CEC Output 02 Send Success. |
| TVVOL | TV volume down by CEC control | CEC_TV_VOLDOWN! CEC Output 01 Send Success. CEC Output 02 Send Success. |
| | | |
| TVMUTE. | TV mute by CEC control | CEC_TV_VOLMUTE/UNMUT E! CEC Output 01 Send Success. CEC Output 02 Send Success. |
| HDCP[x]PAS. | The output HDCP follows the input. [x] The value is 0-2 or 00-02, and 0 means all outputs. | OUT 01 HDCP PASSIVE! OUT 02 H DCP PASSIVE! |
| HDCP[x]MAT. | HDCP output follows the display | OUT 01 HDCP MAT Display! OUT 0 2 HDCP MAT Display! |
| | | I . |

[x] Value 0-2 or 00-02, 0 means all output

| HDCP[x]ON. | Forced to open the output HDCP, output HDCP1.4. [x] Value 0-2 or 00-02, 0 means all output | OUT 01 HDCP ON! OUT 02 HDCP ON! |
|-----------------|--|---|
| HDCP[x]OFF. | Forcibly close the output HDCP. [x] Value 0-2 or 00-02, 0 means all output | OUT 01 HDCP OFF! OUT 02 HDCP OFF! |
| DS[x]ON. | Turn on the DOWN SCALE of the HDMI output. (Compatible with [X]/[XX]) [x] Value 0-2 or 00-02, 0 means all output | HDMI OUT 01 Down Scale ON! HDMI OUT 02 Down Scale ON! |
| DS[x]OFF. | Turn off the DOWN SCALE of the HDMI output. (Compatible with [X]/[XX]) [x] Value 0-2 or 00-02, 0 means all output | HDMI OUT 01 Down Scale OFF! HDMI OUT 02 Down Scale OFF! |
| STA_IN. | Source connection status | IN 12 |
| /+[X]/[YY]:XXX. | RS232 sends commands to control | 123456 |

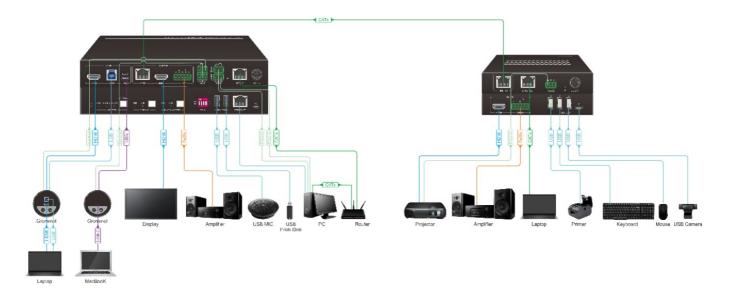
| | peripheral devices. [YY]The value is 00 or 01; [X] is 1–2400; 2–4800; 3–9600; 4–19200; 5–38400; 6-57600; 7–115200 | |
|-----------------------------------|---|--|
| @OUT[xx]. | Turn on the HDMI 5V of the output port. [xx] The value 00-01,00 means all outputs. | Set Output Black Screen ON! |
| \$OUT[xx]. | Turn off the HDMI 5V of the output port. [xx] The value 00-01,00 means all outputs. | Set Output Black Screen OFF! |
| GETGUIIP. | Query GUI IP | GUI_IP:192.168.0.173! |
| SetGuilP_DHCPON | Dynamic DHCP | GUI IP DHCP ON! |
| SetGuilP_DHCPOF F: xxx.xxx.x.xxx. | Static DHCP+set IP (default is 192.168.0.178) | GUI IP DHCP OFF!SETGUIIP:192.1 68.0.123 |
| EDIDUpgrade[xx]. | The serial port upgrades EDID data. 1. [xx] represents the input port, the value is 0 0-02, and U. [xx]=00-02 means to customize the EDID of the corresponding input port (EDID is switched to the custom EDID after customization, and will not be saved in the machin e), 00 means to operate on all input ports, 01-02 Means input 01-02, 2. [xx]=U1-U4 means custom built-in EDID (can be saved in the machine and recalled at any time), only one built-in EDID can be customized, and the current EDID still used after the customization is completed will not | Input XX/User Define EDID Upgrade OK By RS232 Or GUI! |

| | switch to the customized EDID. | |
|--------------------------------|--|---|
| | After receiving the instruction, the machine will prompt to send the EDID file. The file format must be .bin within 10s (to ensure normal dat a reception, all HDBaseT must be disconnected before sending the instruction) | |
| EDID/[xx]/[yy]. | The input port xx uses the built-in EDID numb ered yy. [xx] represents the input port, the value 00-02, 00 represents all input ports, 01- 02 separately represents input 1-2; [yy] represents the built-in EDID number, the value is 01-12, 01-08 represents the built-in EDID that can not be customized, and 09-12 represents the customized EDID | Input 02 EDID Upgrade OK By 01 In ternal EDID! |
| EDIDM[x]B[y]. | The input port learns the EDID of the output p ort. [X] represents the output port number, [X] tak es the value 1-2 (or 01-02 Note: 01-02 must b e used in conjunction with 00-02 below), 1-2 r epresents output 1- 2.1 represents Output 1, and 2 represents Ou tput 2. [y] represents the input port, the value is 0-2 (00-02), 0 represents all input ports, and 1-2 s eparates represents input 1-2; | Input 01 EDID Upgrade OK By 02 E XT EDID! |
| Baudrate[XXX]. | Set control baud rate. [XXX] Support 115200, 57600, 38400, 19200, 9600 | Set Local RS232 Baudrate Is 9600! |
| CEC[I/O][AA][BB][CC] [DD]. | I/O: means input or output port, AA, BB, CC, DD are all hexadecimal data; AA: indicates the port number, the | CEC Input 01 Send Success! CEC O utput 01 Send Success! |

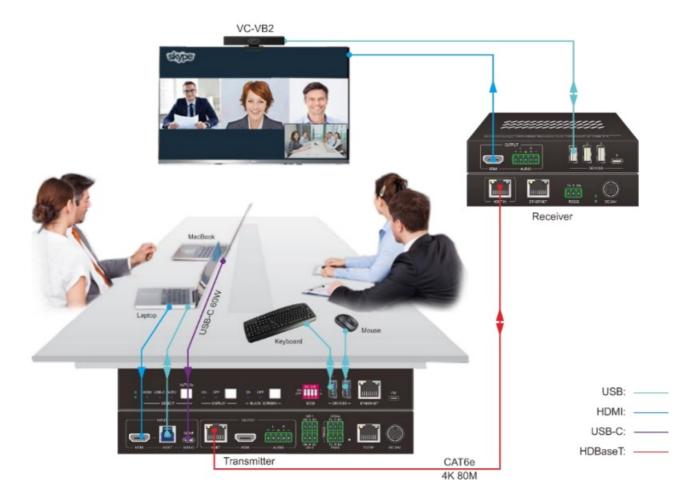
| | input is 01-02, the output is 01-02, and FF me ans all; | |
|--|---|-----------------------------|
| | BB: Indicates the device type (TV: 40, 20, 80, disc player 04, 08, etc.); | |
| | CC: indicates the CEC function category (for example, 44 indicates the remote control function) | CEC Output 01 Send Success! |
| | DD: indicates the specific data under the function (for example 41, representing the volume plus), this can send combined data such as two or three groups, or not, up to 9 groups; | |
| | | |

System Connection

The following diagram illustrates typical input and output connections that can be utilized with the Distribution Amplifier







Panel Drawing





Preface

Read this user manual carefully before using the product. The pictures shown in this manual are for reference

only. Different models and specifications are subject to real products.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated by April 2022. 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 by 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 manufacturer would void the user's authority to operate the equipment

Documents / Resources



Milestone MP-SU21T-KVM 18Gbps HDMI USB-C KVM Switcher KIT [pdf] User Manual MP-SU21T-KVM 18Gbps HDMI USB-C KVM Switcher KIT, MP-SU21T-KVM, 18Gbps HDMI USB-C KVM Switcher KIT, USB-C KVM Switcher KIT, Switcher KIT, Switcher KIT

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