

18Gbps HDMI+USB-C KVM Switcher KIT





All Rights Reserved

Version: V1.0



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 by November, 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 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.

CE





(i) infobit

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 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.



Table of Contents

1. Product Introduction
1.1 Features
1.2 Packing List
1.3 Customer Service
2. Specification
3. Panel Description
3.1 Transmitter
Front Panel
Rear Panel6
3.2 Receiver
Front Panel
Rear Panel
4. EDID Management
5. GUI Control
5.1 Video Tab
5.2 Configuration Tab10
5.2.1 EDID
5.2.2 Auto Downscale11
5.2.3 HDCP
5.2.4 Tags12
5.3 CEC Tab12
5.3.1 Input12
5.3.2 Output
5.3.3 User-defined13
5.4 RS232 Tab14
5.5 Network Tab14
5.6 Access Tab15
6. RS232 control
6.1 RS232 control software16
6.2 RS232 Command17



18Gbps HDMI+USB-C KVM Switcher KIT

6.2.1 System control	17
6.2.2 Source control	
7. System Connection	23
8. Panel Drawing	25



1. Product Introduction

iSwitch 201K 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

1.1 Features

- HDMI 2.0, 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 3.0, support 100m transmission and bidirectional 48V PoC
- Support RS232 control and CEC control
- USB-C input support 60W external charging
- Auto switch 5V or TMDS detection
- Support Dry Contact control



1.2 Packing List

- 1 x iSwitch 201K-T
- 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 iSwitch 201K-R
- 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

1.3 Customer Service

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

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



	Transmitter	Receiver	
Video			
Video Input	(1) HDMI IN, (1) USB-C IN	(1) HDBT IN	
Video Output Connector	(1) Type-A female HDMI (1) Type-C	(1) RJ45	
Input Resolution	HDMI: Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision 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	
Output Resolution	HDMI: Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision HDBT: Up to 4K@60Hz 4:2:0	y Vision Up to 4K@60Hz 4:4:4 HDR10, 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®, Plus, DTS:X™, and DTS-HD® M	Dolby® TrueHD, Dolby Digital® aster Audio™ pass-through.	
Audio Output Connector	(1) 5-pin terminal block	(1) 5-pin terminal block	
Frequency Response	20Hz–20KHz, ±3dB		
Max Output Level	0.88 Vrms \pm 0.5 dB. 2 V = 16 dB mV) nominal consumer line level SPDIF: \pm 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 bar	ndwidth	
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 le	evel (or max level before clipping)	
Output Load Capability	1k ohm and higher (supports 10x	paralleled 10k ohm loads)	
Noise Level	>70dB @ 1 kHz		
Control			
Control port	(1) EDID switch, (2) DEVICES	(4) DEVICE, (1) ETHERNET	

<i>>infobit —</i>	18Gbps HDMI+USB-C KVM Switcher KIT	
	(1) ETHERNET, (1) FW, (1) HOST, (2) GR, (2) RS232 (1) TCP/IP	(1) RS232
Control Connector	 (1) 4-pin DIP switch (2) USB Type-A, (1) RJ45 (1) Micro-USB, (1) USB Type-B (2) 3-pin terminal block (2) 3-pin terminal block, (1) RJ45 	(3) USB Type-A, (1) USB Type-C (1) RJ45, (1) 3-pin terminal block
General		
Operation Temperature	-5 ~ +55℃	
Storage Temperature	-25 ~ +70°C	
Relative Humidity	10% ~ 90%	
External Power Supply	Input: AC 100~240V, 50/60Hz; Ou	utput: 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



3. Panel Description

3.1 Transmitter

Front Panel



No.	Name	Description
1	Power LED	1 x green indicator light, the light is always on when the machine is working, and it goes out when the power is off
		• 1 x White non-backlit button, 3 x blue indicator lights,
2	SELECT	 Click the button to select the input source (HDMI or USB-C), press and hold for 3 seconds to enter or exit automatic switching mode, and the corresponding indicator is always on
		 1 x white non-backlit button, 2 x blue indicator lights;
		 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;
3	DISPLAY	 When the CEC command control includes TX, the front panel button indicator will flash three times;
		 When CEC only controls RX, the CEC button indicator light switches synchronously;
		 When the CEC command controls TX/RX at the same time, the buttons on the front panel switch synchronously and the indicator light flashes three times.
	BLACK	• 1 x white non-luminous button, 2 x blue indicator lights;
4	SCREEN	 Press the button to enter or exit the output black screen state, and the corresponding indicator light is always on;
5	EDID	1 x 4-pin DIP switch for EDID management
6	DEVICES	2 x USB-A 3.0, connect keyboard, mouse, microphone, printer and other equipment

1	> infobit	18Gbps HDMI+USB-C KVM Switcher KIT
\overline{O}	ETHERNET	1 x RJ45, used for network passthrough transmission
8	FW	1 x Micro-USB, used for MCU firmware upgrade

Rear Panel

	 0 2 8	4 5 6 7 8 9 10 10
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, 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
7	Grommet	GR1: Correspond the USB-C GR2: Conrrespond the HDMI SM: Switch to the current source BO: Print a black screen to all outputs.
8	RS232	LOCAL: Connect the control devices to control the transmitter 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 firmware through the serial port, and press the button again to exit the upgrade mode
10	TCP/IP	1 x RJ45, TCP/IP control
(11)	DC 24V	Connect DC24V5A power adapter



3.2 Receiver

Front Panel

No.	Name	Description
1	OUTPUT	 1 x HDMI output; 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

		ETHERNET	$\begin{array}{c} Tx \neq Rx \\ HDBT IN \end{array}$
		0	2 3 4 5
	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, flashes when the input signal is not HDCP; the yellow light is always on after the TX and RX are connected
ĺ	3	RS232	1 x 3-pin phoenix head, RS232 passthrough transmission
ĺ	4	Power LED	1 x green indicator light, always on when machine is working
	5	DC 24v	Connect DC24V5A power adapter



4. EDID Management



EDID are 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 1920x1080@60 8bit Stereo

0001 1920x1080@60 8bit High Definition Audio

0010 3840x2160@60Hz Deep Color Stereo Audio

0011 3840x2160@30Hz 8bit Stereo Audio

0100 3840x2160@30Hz Deep Color High Definition Audio

0101 3840x2160@60Hz 4:2:0 Deep Color Stereo Audio

0110 3840x2160@60Hz Deep Color High Definition Audio

0111 3840x2160@60Hz Deep Color HDR LPCM 6CH

1011 Custom EDID1

1100 Custom EDID2

1101 Custom EDID3

1110 Custom EDID4

1111 EDID management



5. GUI Control

The iSwitch 201K 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.

User Name
Please Enter
Password
Please Enter
Login
GUI : V1.0.0 Firmware: V1.0.0

Username: admin

Password: admin

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



5.1 Video Tab

Video	Configuration	CEC	R5232	Network	Access
		Sou	irce		
	l	JSB-C HC	DMI Aut	o	

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

5.2 Configuration Tab

5.2.1 EDID

			-		
	EDID Auto Do	wnscale	HDCP	Tag	gs
	USB-C		HDMI		
	Pass Through: TX		3840x2160@60	Hz Deep Color Ster	eo Audio
0	Pass Through: RX	0	3840x2160@60	Hz Deep Color Hig	n Definition Audio
0	1920x1080@60Hz 8bit Stereo Audio(Default)		3840x2160@60	Hz Deep Color HDF	R LPCM 6CH
0	1920x1080@60Hz 8bit High Definition Audio	0	User-defined 1		Apply
•	3840x2160@30Hz 8bit Stereo Audio	0	User-defined 2		Apply
0	3840x2160@30Hz Deep Color High Definition Audi	• •	User-defined 3		Apply
0	3840x2160@60Hz 4:2:0 Deep Color Stereo Audio	0	User-defined 4	.bin	Apply
	C	onfirm			

• Choose the desired EDID format or define the appropriate EDID format.



5.2.2 Auto Downscale

Video	Configuration	CEC	R5232	Network	Access
	e EDID	Auto Dowr	nscale 💽 HDCP	Tags	
		En	iable Disable		
		Tx Output	• •		
		Rx Output	•		
		Cor	ıfirm		

Enable or disable the auto Downscale in TX or RX output. •

5.2.3 HDCP

Video	Configuration	CEC	R5232	Network	Access
	e EDID	Auto Down	nscale 💽 HDCP	Tags	
			Source Display		
		Tx Output Follow Rx Output Follow	•••		
		Con	ıfirm		

Choose the HDCP follow the souse or display.



Video	Configuration	CEC	R5232	Network	Access
	e EDID	Auto Dowr	nscale HDCP	Tags	
	USB-C	USB-C	Ou Tx Output	Tx Output	
	HDMI	HDMI	Rx Output	Rx Output	
		Cor	าทีเกม		

• Choose and enter the tags, then click confirm to change the tags.

5.3 CEC Tab

5.3.1 Input

Video	Configuration	CEC	R5232		Network	Access
		Input	Dutput User-de	fined		
	Input		Function	on		
			Menu Volume +	() On	U Off Stop	
			Up Enter		Next Pause	
			↓ → Down Right	REW (FF Play	

Select the function and press to control the input



5.3.2 Output

Video	Configuration	CEC	R5232	Network	Access
		Input 0	utput User-defined		
		k Output		-	
	R	x Output	▲ × ●	Source	
			Mute Volume - V	folume +	

Select the function button and press to control the output ٠

5.3.3 User-defined

Video	Configuration	CEC	R5232	Network	Access
		Input Ou	tput User-defined		
Input	Trigger 1		Output	Trigger 1	
O USB	-C Trigger 2	Send	💽 Tx Output	Trigger 2	Send
о ном		Send	 Tx Output Rx Output 		Send
	T : ()				

Define the Trigger of input and output



5.4 RS232 Tab

Video	Configuration	CEC	R5232	Network	Access
		ASCII 💽	HEX 💿		
	Вас	d Rate: 9600	•		
	Command	Ending: NULL	•		
	Cor	mmand: xxxxxxx			
		Confirm	Cancel		

- 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 iSwitch 201K.

5.5 Network Tab

Video	Configuration	CEC	R5232	Network	Access
	MAC A	ddress: 44-33-4C-C9-35 DHCP	-12 Static IP		
	IP A	ddress: 192.168.0.178			
	Subne	et Mask: 255.255.255.0			
	G	ateway: 192.168.0.1			
		Con	tirm		

Static IP or Dynamic Host Configuration Protocol (DHCP).



Modify the static IP Address, Subnet Mask, and

Gateway.

5.6 Access Tab

Video	Configuration	CEC	R5232	Network	
			word		
		admin	Confirm		
		Firmware	e Upgrade		
		C:\\\	Confirm		
		Front Pa	inel Lock		
		ON	III OFF		

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



6. RS232 control

6.1 RS232 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 switcher kit with all input devices and output devices needed, then to connect it with a PC which is installed with RS232 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.

Parameter configur	ration	
JUART (SectalPort)	Test Tool (Ψ1.0)	
BaudRa 9600 V		
Byte 8		
Stop 1	Monitoring area, show the commands and its feedback information	
Clear		-
Save To File		
Stop View Auto Clear View		
T New Line		
Hex Send Mode Auto Send	Send Contract Contrac	
Interval 1000 ms Counter Reset	Clear Command sending area	·
2013-05-08 14:03:35	Send:0 Receive:0 V1.0	11.



6.2 RS232 Command

Communication protocol: RS232 Communication Protocol

Baud rate: 9600Data bit: 8Stop bit: 1Parity bit: none

6.2.1 System control

Command	Description	Command & Feedback Example
PHDBTON.	HDBaseT OUT POC power on	HDBT 01 Power ON!
PHDBTOFF.	HDBaseT OUT POC power off	HDBT 01 Power OFF!
HDMIA.	Auto-switch mode on	HDMI Out Switch Auto Mode!
HDMIM.	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 To 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 front panel lock	Front Panel Locked!



iSwitch 201K V1.0.0 PWON! HDBT 01 Power ON! HDMI OUT 01 Down Scale OFF! HDMI OUT 02 Down Scale OFF! HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
PWON! HDBT 01 Power ON! HDMI OUT 01 Down Scale OFF! HDMI OUT 02 Down Scale OFF! HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
HDBT 01 Power ON! HDMI OUT 01 Down Scale OFF! HDMI OUT 02 Down Scale OFF! HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
HDMI OUT 01 Down Scale OFF! HDMI OUT 02 Down Scale OFF! HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
HDMI OUT 02 Down Scale OFF! HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
HDMI Out Switch Auto Mode! Get Trigger Mode Is 5V.
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 1 2
LINK Y Y
OUT 1 2
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 Second(s)!
Save PON Command:YYYYY,Baudrate Is 9600!

18Gbps HDMI+USB-C KVM Switcher KIT

	xxx is the command data	
RS232OFFSAVE:[Y],[x xx].	Save the display terminal shutdown command sent when no input is detected. Y is the baud rate, 12400; 2 4800; 39600; 419200; 5 38400; 6-57600; 7115200; xxx is the command data	Save POFF Command:TTTTTT.,Baudrate Is 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 Second(s)!

6.2.2 Source control

Command	Description	Command & Feedback Example
TVON.	Turn on TV by CEC control	CEC_TV_POWON! CEC Output 01 Send Success. CEC Output 02 Send Success.
TVOFF.	Turn off 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.	OUT 01 HDCP PASSIVE!
	[x] The value is 0-2 or 00-02, and 0 means all outputs.	OUT 02 HDCP PASSIVE!
HDCP[x]MAT.	HDCP output follow the display	OUT 01 HDCP MAT Display!
	[x] Value 0-2 or 00-02, 0 means all output	OUT 02 HDCP MAT Display!
HDCP[x]ON.	Forced to open the output HDCP,	OUT 01 HDCP ON!
	output HDCP1.4.	OUT 02 HDCP ON!
	[x] Value 0-2 or 00-02, 0 means all output	
HDCP[x]OFF.	Forcibly close the output HDCP.	OUT 01 HDCP OFF!
	[x] Value 0-2 or 00-02, 0 means all output	OUT 02 HDCP OFF!
DS[x]ON.	Turn on the DOWN SCALE of the	HDMI OUT 01 Down Scale
	HDMI output. (Compatible with [X]/[XX])	ON! HDMI OUT 02 Down Scale
	[x] Value 0-2 or 00-02, 0 means all output	ON!
DS[x]OFF.	Turn off the DOWN SCALE of the HDMI output. (Compatible with	HDMI OUT 01 Down Scale OFF!
	[X]/[XX])	HDMI OUT 02 Down Scale
	[x] Value 0-2 or 00-02, 0 means all output	OFF!
STA_IN.	Source connection status	IN 1 2
		LINK N N
/+[X]/[YY]:XXX.		

	peripheral devices.	
	[YY]The value is 00 or 01;	
	[X] is 12400; 24800; 39600; 4 19200; 538400; 6-57600; 7115200	
@OUT[xx].	Turn on the HDMI 5V of the output port.	Set Output Black Screen ON
	[xx] The value 00-01,00 means all outputs.	
\$OUT[xx].	Turn off the HDMI 5V of the output port.	Set Output Black Screen OF
	[xx] The value 00-01,00 means all outputs.	
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:192.168.0.12 !
EDIDUpgrade[xx].	The serial port upgrades EDID data. 1. [xx] represents the input port, the value is 00-02 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 machine), 00 means to operate on all input ports, 01-02 Means input 01- 02,	Input XX/User Define EDID Upgrade OK By RS232 Or GUI!
	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	

18Gbps HDMI+USB-C KVM Switcher KIT		
	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 (in order to ensure normal data reception, all HDBaseT must be disconnected before sending the instruction)	
EDID/[xx]/[yy].	The input port xx uses the built-in EDID numbered 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 cannot be customized, and 09-12 represents the customized EDID	Input 02 EDID Upgrade OK By 01 Internal EDID!
EDIDM[x]B[y].	 The input port learns the EDID of the output port. [X] represents the output port number, [X] takes the value 1-2 (or 01-02 Note: 01-02 must be used in conjunction with 00-02 below), 1-2 represents output 1-2.1 represents output 1, 2 represents Output 2. [y] represents the input port, the value is 0-2 (00-02), 0 represents all input ports, and 1-2 separates represents input 1-2; 	Input 01 EDID Upgrade OK By 02 EXT 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 input is 01-02, the output is 01-02, and	CEC Input 01 Send Success! CEC Output 01 Send Success! CEC Output 01 Send Success!

	18Gbps HDMI+USB-C KVM Switcher KIT	
<i>infobit</i>	FF means 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) 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;	

7.System Connection

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









8.Panel Drawing





