

Best.nr: 20101099

Mixed Input Type-C VGA HDMI HDMI 2.0 HDBaseT Switch

Support 4K@60hz YUV4:4:4, 18Gbps, HDR

OPERATION MANUAL







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

SURGE PROTECTION DEVICE RECOMMENDED

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

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1. Features

- Incorporate HDBaseT technology
- HDMI 2.0 version support 4K@60Hz YUV4:4:4, 18G, HDR10
- Support 1x VGA, 1x Type-C, 2x HDMI input
- Support 1x HDMI and HDBT output simultaneously
- Transmit up to 70m under 1080p@60Hz, 40m under 4K@60Hz
- HDCP 2.2/1.4 compliant
- Audio sampling rate upto 192KHz, support max 7.1CH
- Support Analog audio embedded, Mic input
- Support Analog/SPDIF audio extraction, analog output support PCM2.0,SPDIF output support Dolby, DTS, max 5.1CH
- With wide-band Bi-Direction IR routed control(38~56KHz), IR extend to control device
- Support RS232 pass through
- Support micro USB port for firmware upgrade
- Support Panel Button with LCD, IR Routing, RS232, TCP/IP, PC Tool Control
- Support POC (receiver powered by HDBaseT switch)
- DC 24V/1A power supply

2. Package Contents

- 1). 1x Main Unit (HDBaseT Switch)
- 2). 1x Power supply DC24V/1A
- 3). 1x Remote control
- 4). 2xIR Transmitter cables, 3x Wide-Band IR Receiver cables
- 5). 1x CD for control software & user manual
- 6). 1x Receiver

3. Specifications

A		
Operating Temperature Range	-5 to +40°C(23 to +104 °F)	
Storage Temperature Range	-10 to +60°C(14 to +140 °F)	
Operating Humidity Range	5 to 90 % RH (no condensation)	
Input Video Signal	0.5-1.0 volts p-p	
Input DDC Signal	5 volts p-p (TTL)	
Bandwidth	18Gbit/s	
	4K@60Hz,YUV4:4:4	
Video Format Supported	4k@30Hz/1080P/1080i/720P/576P/480P	
HDCP Compliant	HDCP2.2 and HDCP1.4	
Output Video	HDMI2.0 and HDMI 1.4 (over HDBaseT and HDMI)	
Audio Format Supported	PCM2.0, Dolby5.1, DTS5.1 digital audio	
Maximum Transmission Distance	1080P 70m, 4K 40m(HDBT	
	output),4K/6M,1080p/15M(HDMI output)	
Power Consumption	16.5wtts (Max.)	
Dimensions	235 L x 137W x 39H mm	
Mass (Main Unit)	1.175KG	

4. Panel Descriptions

Front Panel



1 LCD: Showing HDBaseT switch informations

2 Function button: Up, Down, Left, Right

③ Function button: Menu, Enter

	Left Guide button	Short press:left/right choose function option in submenu,in MIC
	Right Guide button	input VOL/analog out VOL adjustment: left(-) right(+)
	Up Guide button	Short program /down shoose function option in submany
	Down Guide button	Short press.up/down choose function option in submenu
Enter	Confirm button	Short press:enter submenu/back to last status
Menu	Main Menu	Short press:display/direct back to main Menu



(1) **RS232:** RS232 pass through/RS232 for PC tool control; **Ethernet:** IP/Web control;

FW: micro usb port for firmware update; IR Ext: IR extender for control HDBaset switch

- (2) PC: Audio in for VGA input only; HDMI: Analog PCM2.0 audio embedded
- ③ Audio SPDIF out(Dolby, DTS, Max 5.1CH)
- ④ Analog PCM2.0 audio out
- ⑤ IR-in/IR Out for remote controlling
- ⑥ DC 24V/1A power supply
- ⑦ MIC in:for 48V microphone/MIC device(MIC mode, support HDMI/Type C/VGA)
- (8) MIC switch: Left switch for 48v microphone mode;

Middle switch for MIC mode; Right switch for line mode(Analog PCM2.0 audio embedded)

- 9 Video input: TypeC-1: Type C in; PC-2: VGA in; HDMI in: HDMI-3/HDMI-4
- ^(III) Video output: HDMI out; HDBT/POC: HDBT out (connect HDBaset receiver/other HDBaset

products/Cascade)

Note:When you need to use MIC in/Analog audio embedded function, please set the audio input mode for "Analog" by panel/PC tool/Web GUI first, then switch the MIC switch to choose the audio format(48v/Mic/Line).

4.1 Menu Display

Press Menu button, menu include VIDEO SET, AUDIO SET, EDID SET, MIC IN VOL SET, ANAL OUT VOL SET, IP QUERY, UART QUERY, REST SET, press any button to highlight LED screen, and auto turn dark without any operation after 20 seconds.

>>VIDEO SET >>AUDIO SET >>EDID SET >>MIC IN VOL SET

>>ANAL OUT VOL SET >>IP QUERY >>UART QUERY >>REST SET

1). VIDEO SET: For input switch, select VIDEO SET and press enter button, press left/right button select current input signal, press enter button again auto back to main menu to finish setting.

>>VIDEO SET TYPEC VGA HDMI1 HDMI2

2). AUDIO SET: Audio input set, support 3 modes- HDMI (audio input for signal), Anal (audio embedded), Mute (silent mode), select AUDIO SET, press enter button, then press left/right button select audio input, press Enter again auto back to main menu to finish setting.

>>AUDIO SET HDMI Anal MUTE 3). EDID SET: Support 4 modes- 4K60(Default),1080P(Default),COPY HDMI,COPY HDBT. Select EDID SET, press Enter button,then press left/right button to select EDID for input, press Enter button again auto back to main menu to finish setting.



4). MIC IN VOL SET: MIC input volume adjustment from 0~10,maximum 10 for loudest sound,minimum 0. Select MIC IN VOL SET, press Enter button for volume control mode, press left button to decrease vol., press right button to increase vol., press Enter button again auto back to main menu to finish setting.



5). ANAL OUT VOL SET: Analog audio out volume adjustment from 0~10,maximum 10 for loudest sound, minimum 0. Select ANAL OUT VOL SET, press Enter button for volume control mode, press left button to decrease vol., press right button to increase vol., press Enter button again auto back to main menu to finish setting.

>>ANAL OUT VOL SET VOL: – 5 **+** 6). IP QUERY: Default IP address 192.168.1.168, DHCP: off ,press left/right button select DHCP status, short press Enter button and back to up one level.



7). UART QUERY: Device baudrate support 9600,19200,38400,57600,115200(default),not support to modify by panel button,select UART QUERY,short press Enter button to check current baudrate.



8). SYSTEM RESET: Factory reset, short press Enter button direct and reset to factory defaults.







6. Remote Control Description

1 Standby Mode

2 Mute

③ Video input: "1" for TypeC-1;

"2" for PC-2(VGA);

"3" for HDMI-3;

"4" for HDMI-4;

- ④ MIC in (ON/OFF)/VOL control;
- (5) Analog audio out (ON/OFF)/VOL control;

7. IR system

The HDBaseT switch can pass the IR signal through the IR system to the HDMI source or pass the IR signal from the HDMI source to the HDMI sink.



Dual way IR using:

Step1: "IR IN" is for HDBT output, "IR OUT" is for input channel.

Step2: HDBaseT receiver support connect with IR-RX cable to control the HDBaseT switch/DVD by remote. Step3:HDBaseT switch support connect with IR-RX cable(IR in) to control TV by remote.

Step4: HDBaseT switch "IR Ext" support connect with IR-RX cable to control the HDBaseT switch by remote.



8. PC Tool Control

1).Download the "swe01b_4-Input HDMI Switcher.exe" software to your computer, then open it.

2).Using USB to RS232 cable connect to the RS232 port of HDBaseT switch.

3).Press "Search" button to find out the right port then click "Open Port".

8.1 Port setup

1). Communication port setting: in PC windows system run the "swe01b_4-Input HDMI

Switcher.exe"software, in RS232 INFO., select correct port (communication port) and baud (should be same to baudrate in UART QUERY for connection)

RS232 INFO.

Port	COM1 通信端口 ▼
Baud	115200 ▼

- 2). Click "Search" refresh communication port
- 3). "Open Port": in disconnect status, "Close Port": connected to device.



4).If popup"ERROR" means COM port is invalid and not be connected correctly, please press "OK" and refresh again.



5). Below will show current COM port info. and baudrate when connected to device:

Close Port	Analog Output
Connect to COM1 通信端口:115200]

8.2 Control interface

Control Net	work			
Video Input	:			
	TYPEC	[™] VGA) HDMI 1	C HDMI 2
EDID Mode				
	0 4K60	© 1080P	© HDMI	© новт
-Audio Input	1			
Mode) HDMI	Analog	Mute	MIC 5
Analog Out	put		Setting	
VOL		-0	5	Factory

Video Input: Switch Type C, VGA, HDMI input.
 EDID Mode:
 4K60: Default EDID 4K@60Hz
 1080P: Default EDID 1080P@60Hz
 HDMI: Copy HDMI out EDID for input(Copy mode)
 HDBT: Copy HDBT out EDID for input(Copy mode)

3). Audio Input Mode: click to choose HDMI, Analog, Mute option (HDMI: audio of Type C/VGA/HDMI, Analog: audio embedded/MIC in)

4). MIC: VOL control, the number "5" shows the current volume. (Pls note: you can only set the MIC VOL when choose "Analog" for audio input)

5). Analog Output: VOL control, the number "5" shows the current volume.

(Pls note:you can not set VOL when audio input mode is "Mute")

6) . Setting: Factory reset.



Note:Please set the audio input mode for "Analog" first by panel/PC tool/Web GUI when you need to use MIC in/Analog audio embedded function.

8.3 Network Interface for device

Control Network		
Network INFO.		
	MAC Address	
	IP Address :	192. 168. 1. 168
	Net Mask Address	255. 255. 255. 0
	Gate Way Address :	192. 168. 1. 1
	DHCP :	DHCP OFF
		Apply

1 Mac Address: Can not modify

- 2 IP Address: support modify
- ③ Net Mask Address: support modify
- ④ Gate Way Address: support modify

⑤ DHCP ON/OFF

(6) Apply: Click to confirm modified static IP

Note: When you click for DHCP ON, then IP Address, Net Mask Address, Gate Way Address frames all become grey and can not be modified.

MAC Address	
IP Address :	192. 168. 1. 168
Net Mask Address	255. 255. 255. 0
Gate Way Address :	192. 168. 1. 1
DHCP :	DHCP ON
	Apply

9. WEB Control



9.1 Change the IP address of your PC.

1). Connect the Ethernet port of HDBaseT switch to the Ethernet port on PC by a straight pin to pin cable with RJ45 connectors.

2). Configure your PC as follows:

- ① Click Start > Control Panel > Network and Sharing Center.
- 2 Click Change Adapter Settings.

3 Highlight the network adapter you want to use to connect to the device and click **Change settings of this connection.**

3). The local Area commotion properties window for Network selection appears as below.

- 4). Click the Highlight Internet Protocol Version 4 (TCP/IPv4).
- 5). Click **Properties**.
- 6). Select Use the following IP Address for static IP addressing and fill in the details.

For TCP/IPv4 you can use any IP address in the range 192.168.1.1 to 192.168.1.255 (excluding 192.168.1.168). 7). Click **OK**.

8). Click Close.

Operating Instruction

Griding	General	
Connect using:	You can get IP settings assigned	automatically if your network supports
Intel(R) 82579V Gigabit Network Connection	this capability. Otherwise, you n for the appropriate IP settings.	eed to ask your retwork administrator
Configure	Obtain an IP address auton	natically
This connection uses the following items.	 Use the following IF address 	s:
Glient for Microsoft Networks Alicrosoft Network Monitor 3 Driver	IP address:	192.168.1.2
QoS Packet Scheduler	Subnet mask:	255 . 255 . 255 . 0
	Default gateway:	
✓ Internet Protocol Version 4 (TCP/IPv4)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Link-Layer Topology Discovery Mapper I/O Driver	 Obtain DNS server address 	automatically
Link-Layer Topology Discovery Responder	 Ouse the following DNS served 	er addresses:
Install Uninstall Properties	Preferred DNS server:	
Description	Alternate DNS server:	
ICP/IP version 6. The latest version of the internet protocol that provides communication across diverse interconnected networks.	Validate settings upon exit	Advanced

(Default IP Address: 192.168.1.168; MASK: 255.255.255.0; Gateway:192.168.1.1)

9.2 Enter Web and Control.

1). Enter the default IP address of the matrix: 192.168.1.168.

2). You will see following picture and control:

(No have interface to type in User Name and Password)

Control N	etwork			
Video Inp	but			
	TYPEC	O VGA) HDMI 1) HDMI 2
EDID Mod	de			
	© 4K60	© 1080P	C HDMI	() HDBT
Audio Inc	put			
Mode	9		MI	C
	C HDMI) Analog	C Mute	VOL 5
Analog O	utput		Setting	
VOL		5	J. J	Factory

(The same interface to PC tool, please see the description in PC tool control)

Note: web control is recommended to use Google, fire fox, IE8 and above browsers, using other browsers may not be compatible.

10. Command Control

Control software operation:

The serial control software is illustrated with SSCOM32 as an example. Basic Settings:



Double-click the software in the installation package to run specifically (as shown in figure 1) and install the RS232 software on the computer.

Enter the main interface of the software, as shown in the figure below.

通讯端口 串口设置 显示 发送 多字符串 小工具 帮助 回报作者 PCB打样

KARAKARAKARAKAN DI ARAKARAKARAKARAKARAKARAKARAKARAKARAKARA	*
#V1de0_NC	
#audio %c	
in%d	
out%d	
enc=%d	
iis=%d	
spdif=%x	
help	
[CMD 02]	
#edid_%c	
in%d	
user%d	
mode=%d	
data->d	
nerp [run o3]	
za d	
main=%d	
shut=%d	-
level=%d	-
help	
[CMD 04]	
#ip	
dhcp=%d	
1p=%d.%d.%d	
mask=%d,%d,%d	
gw=%d.%d.%d	
dn5=≫d. %d. %d. %d. - + + 1: = **15T	
[CMD 05]	
#eroup%d	
exe=%d	
name=%15v	
help	
[CMD 06]	
#register%d	
1d=%15t	
psd=%15t	
help	
1.3-051E	
halm	
#port	
in%d	
h dm i % d	
hdbt%d	
name=%15v	
help fam col	
#1027 TAQ	
Data-Na hmore - MA	
#nower	
shut=%d	
	+2-22
<u></u>	11 辰 二
端口号 COMT Prolific USB-to-Serie T HRX最示 保存物理 F 接收数据到文件 F HRX发送 F 守时发送 1000 ms/次 F hn	回车换行
● 美闭串口 / ● 単多串口设置 □ 加时间戳和分包显示,超时时间: 20 ms 第 1 字节至末尾加校验: None	
DIE DIE with a 115000 V #end	~
【PCB打样】哪家强? 发 详	
	-

Please use USB to RS232 cable connect PC and device, open RS232 software.

In the parameter configuration area, select the serial number that the serial port connect with PC, and set the baud rate of the communication protocol: 115200 (default), data bits: 8. Stop bits: 1, Parity: None, you can input the instruction in the command input area and control the machine or remote receiver.

Port	COM1	•
Baud rate	115200	•
Data bits	8	-
Stop bits	1	▼
Parity	None	•
Flow control	None	•

Instructions:

1). All commands start from "#", "%d" parameters No.

2). The "_" in the commands cannot omit.

The following table is only an example. Please refer to the list of instructions.

Instruction description	Command format , (%d: parameter number)	parameter 1	parameter 2
Command Query	#cmd		
Video Input Channel Switch	#video_d in%d	1:TYPEC 2:VGA 3:HDMI1 4:HDMI2	
Audio embedded in	#audio_d enc=%d value=%d	0:HDMI 1:IIS,MIC 2:Mute	MIC VOL adjust numerical range(0~10)
Audio IIS out VOL Set	#audio_d iis=%d	VOL adjust numerical range(0~10)	
EDID Mode Set	#edid_d mode=%d	0:(4K60),1:(1080p) 2:(HDMI),3:(HDBT)	
Factory Reset	#factory		
Baudrate Set	#uart baud=%d		0:9600 1:19200 2:38400 3:57600 4:115200
IP Query	#ip help?		
DHCP Set	#ip dhcp=%d	0:Close ,1:Open	

Please refer to above "Command list" for details.

For example:

Operation format

Video Input Channel Switch: #video_d in1 (Switch to Type C input) Audio embedded in: #audio_d enc=1 value=7 (MIC VOL adjust to 7) Audio IIS out VOL Set: #audio_d iis=7 (Analog audio VOL adjust to 7) EDID Mode Set: #edid_d mode=2 (Copy EDID of HDMI out for input) Baudrate Set: #uart baud=0 (Current baudrate set is 9600) DHCP Set: #ip dhcp=1 (DHCP open)

11. Power Off and Reboot Input Priority Mode

When HDBaseT switch reboot and it inspect the current input signal in "None" status, device will auto switch to higher priority input signal (If there is no higher priority input than current one, it will switch lower priority input). Priority table for input:

Signal for Input	Priority	Switch Condition	
		Reboot and inspect HDMI1, if none signal, device switch	
HDMI 1	The highest	to next lower priority input	
		Reboot and inspect HDMI 2, if none signal, device auto	
HDMI 2	Second	switch to higher priority input, if not, it switch to next	
		lower priority input of signal	
		Reboot and inspect Type C, if none signal, device auto	
Type C in	Third	switch to higher priority input, if not, it switch to next	
		lower priority input of signal(VGA)	
		Reboot and inspect VGA, if none signal, device auto	
VGA in	Fourth(the lowest)	switch to higher priority input, if not, it will keep current	
		input of signal(VGA)	

Note:

1).If current input have signal, device will not auto switch to other input when reboot, it will keep current input.

2).When all input no have signal, device save last switch port when reboot.

3). The priority mode only valid when device with signal input.

12. RS232 Pass through

By RS232 Command , the HDBaseT switch can send RS232 data to control the receivers ,also the

receiver can send RS232 data to control the HDBaseT switch.

Please refer to the command list which included in the manual.

13. Micro USB for Firmware Upgrade 13.1 MCU application layer upgrade

1). The user should use the CD in colorbox, read and install software OURT_ISP.exe on PC;

2). Connect unit to PC with USB cable from micro USB port,click UART_ISP.exe software,REFRESH and choose correct COM port that connect to product,and baudrate 115200(default). The baud rate setting is consistent with the host baud rate.

3). Type in "A1" in PORT and choose update program file in PATH, then click UPDATA wait for update until it prompt "Succeed" informations and upgrade completed:

COM5 USB Serial Port v 115200 v PORT Al REFRESH PATH C:\ UUPDATA UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	COM	BAUD
PORT Al REFRESH PATH C:\ UVPDATA UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	COM5 USB Serial Port	· 115200 ·
Al REFRESH PATH C:\ UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select formware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	PORT	
PATH C:\ UPDATA UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	Al	REFRESH
C:\ UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	PATH	
UPDATA UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	C:\	
UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,		UPDATA
<pre>Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,</pre>		
<pre>2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,</pre>	UART_ISP V1.1 2018-07-12	
<pre>3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,</pre>	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com:	1
4.Upgrade; Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port;	
Note : 1.You need to disconnect from other devices before upgrading; 2.Do not interrupt the upgrade when upgrading,	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software;	
 You need to disconnect from other devices before upgrading; Do not interrupt the upgrade when upgrading, 	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade;	
upgrading; 2.Do not interrupt the upgrade when upgrading,	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note :	2
2.Do not interrupt the upgrade when upgrading,	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices	before
	UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices upgrading;	before

13.2 GUI application layer upgrade

1). Connect unit to PC with USB cable from micro USB port,click of UART_ISP.exe software,REFRESH and choose correct COM port that connect to product,and baudrate 115200(default).The baud rate setting is consistent with the host baud rate.

2). Type in "A1 01" in PORT and choose update program file in PATH, then click UPDATA wait for update until it prompt "Succeed" informations and upgrade completed:

UART_ISP V1.1	-	
COM COMS USB Serial Port	~	BAUD 115200
PORT		
Al 01		REFRES
PATH		
C:\		
		UPDATA
UART_ISP V1.1 2018-07-12 Steps : 1.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this softwa 4.Upgrade;	re;	
Note : 1. You need to disconnect from other devi- upgrading; 2. Do not interrupt the upgrade when upgr otherwise the device may be damaged:	ces b ading	efore ,
ouncivitie one acvice may be damaged,		

13.3 GUI Web upgrade

1).Connect unit to PC with USB cable from micro USB port, click UART_JSP.exe software, REFRESH and choose correct COM port that connect to product, and baudrate 115200(default). The baud rate setting is consistent with the host baud rate.

2). Type in "F0 01" in PORT and choose update program in PATH, then click UPDATA wait for update until it prompt "Succeed" informations and upgrade completed:

UART_ISP V1.1 \times _ COM BAUD COM5 USB Serial Port 115200 V \sim PORT F0 01 REFRESH PATH C:\ • • • UPDATA UART_ISP V1.1 2018-07-12 Steps : l.Refresh the serial com; 2.Select com, baud, port; 3.Select firmware or drag to this software; 4.Upgrade; Note : 1.You need to disconnect from other devices before 2.Do not interrupt the upgrade when upgrading, otherwise the device may be damaged;

Note: If the upgrade progress bar is stopped in the middle of the upgrade, then the host will need to be rebooted, then the serial port will be upgraded.

MAINTENANCE

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

PRODUCT SERVICE

(1) Damage requiring service:

The unit should be serviced by qualified service personnel if:

(a) The DC power supply cord or AC adaptor has been damaged;

(b) Objects or liquids have gotten into the unit;

(c) The unit has been exposed to rain;

(d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet damaged.

(2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions.Refer all other servicing to authorized servicing personnel.

(3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other Hazards.

(4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, (**Parts(2)Year, Labor(90) Days**) which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new of a refurbished product. The decision to repair or replace will be made by the warrantor. During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

MAIL-IN SERVICE

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

1). This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage.

The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment,

or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributable to acts of God.

2). THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRNTY. (As examples, this excludes damages for lost time, cost of having someone remove or reinstall an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)
3). PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY

