Model   : ATZ HDBT-E70-WPVD-M
Description : HDBaseT Sender Wall Plate for HDMI/VGA/DP/Audio/IR/
              Programming(70m)

ATZ HDBT-E70-WPVD-M is a multiple functional switcher that switches input from different formats onto a display via HDBaseT.

It supports MANUAL, AUTO and PRIORITY three different working modes for input source switching. On MANUAL mode, it is able to select the input between HDMI, VGA and DP easily only by push SEL button. On Auto mode, it able to automatically detect and switching input signals from HDMI VGA and DP based on manual selection or last connected input. On priority mode it able to set the priority input source.

It supports 1xDP, 1xHDMI and 1xVGA+3.5mm audio inputs, 2xProgramming(RS232) ports, bi-directional IR over single HDBaseT(RJ45) output. Users will be able to use P1/P2 buttons to control the other equipment via RS232 control commands.

With the POC(power over cable) function, power only required at either end of Sender or Receiver. For the transmission distance it can support 1080p@60 up to 70m at, and 4K@30Hz up to 40m. It's popularly used in the small meeting room,

All specifications are subject to change without prior notice.

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classroom or other long distance transmission applications.

Features:

- Supports 1080P 3D, and up to 4K30
- Supports HDCP1.4
- Transmission distance: 70m at 1080p@60, 40m at 4K@30 via Cat5e/Cat6
- Supports bi-directional IR
- Supports POC(power over Cable), POE function
- Supports RS232 programming
- Support manual, auto and priority working modes
- LED working indicator

Specifications:

Input	1x DP, 1x HDMI, 1x VGA+3.5mm audio, 2x IR, 2x Programming
Output	1x HDBaseT(RJ45)
Control	Button, RS232
Transmission distance	70m at 1080P@60, 40m at 4K@30 via Cat5e/Cat6
Bandwidth	10.2Gbps
Power Supply	DC 12V 1.5A
Dimension (WxHxD)	Product weight: 88*88*33mm
	Packing dimension: 204*151*60mm
Weight	Product net weight: 195g
	Packing weight: 450g

Operating Temperature	-10℃ to 40℃
Storage Temperature	-25℃ to 55℃

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Panel:
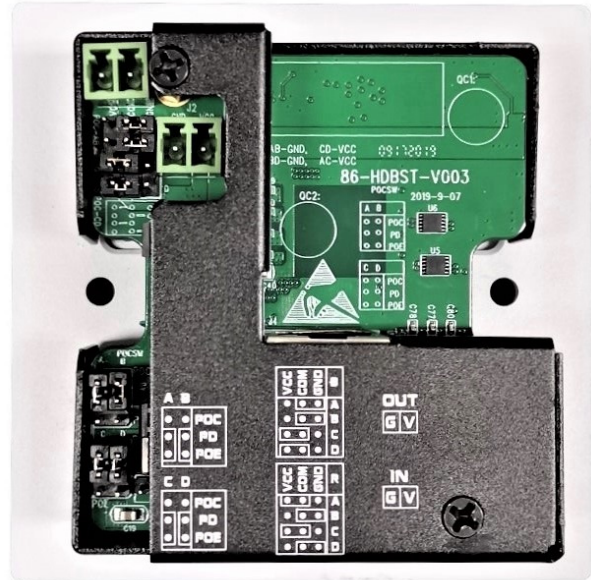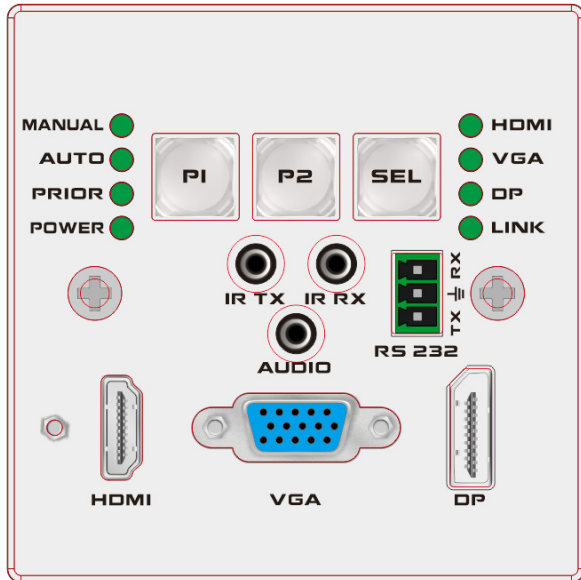
No	Name	Functions
Indicator	VGA	VGA signal indicator, flashing means connected, stable light means selected
	HDMI	HDMI signal indicator, flashing means connected, stable light means selected
	DP	DP signal indicator, flashing means connected, stable light means being selected
	LINK	Stable light means connected with Receivers successfully
	MANUAL	When this indicator lights up, can press "SEL"to select the input sources manually
	AUTO	Press and hold "SEL" for 5 seconds will enter auto mode
	PRIOR	Press and hold "SEL" for 5 seconds will enter Priority mode
	POWER	When power either by adapter or POC from Rx will light up
Buttons	P1	Programming button one to control other equipment
	P2	Programming button two to control other equipment
	SELECT	Signals switching between VGA, HDMI and DP and working modes settings
Ports	VGA PORT	Female VGA input port

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	HDMI POI	Female HDMI input port
	DP PORT	Female DP input port
	AUDIO	3.5mm audio embedded for VGA input
	IR Tx	IR transmitter port
	IR Rx	IR receiver port
	RS232	RS232 programming or control port
Rear Panel	OUT	POC out
	IN	POC IN
	POC	PoC function jumper
	POE	POE function jumper
	B	12V POC jumper
	R	24V POC jumper

Switching mode instruction

How to choose the working mode: After long push the SEL button until it change black, release. One of the mode lights will up, sequence: Manual > Auto > Priority.

Manual mode:

On manual mode, the light besides MANUAL will change to red. The other 2 modes light will remain black.
Press SEL to choose HDMI/ VGA/ DP input source. Sequence: HDMI > VGA > DP

Auto mode

On auto mode, the light besides AUTO will change to red. The other 2 modes light will remain black.
The input source whichever last active will take over the output display. Once unplug, it will jump to next input source. Squence: HDMI > DP > VGA

Priority mode

A. On priority mode, the light besides will change to red. On this mode only the priority input source can take over the output display.
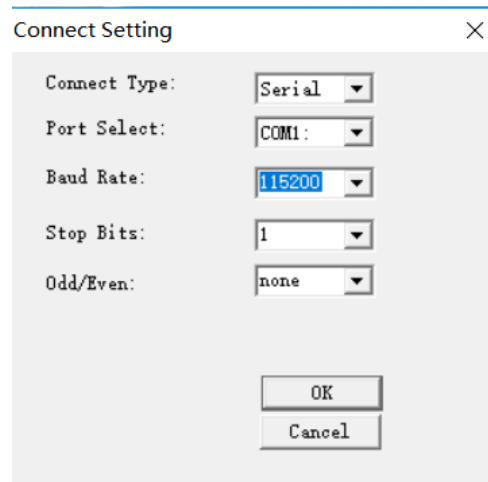 If unplug this priority input, the other input sources can't take over the output display.

B. How to choose the priority input source:

Steps: After long push the SEL button until it change black, need to wait it to light up with blue again, then only release, it will then switch the prior port to another one.
Sequence: HMDI > DP > VGA.

RS232 settings
8.1 Connect serial cable.

Will need to use the RS232 cable connect wallplate to PC, open App SW31, will pop up below interface: default baud rate is 115200, users have to choose the correct COM port, then click "OK".
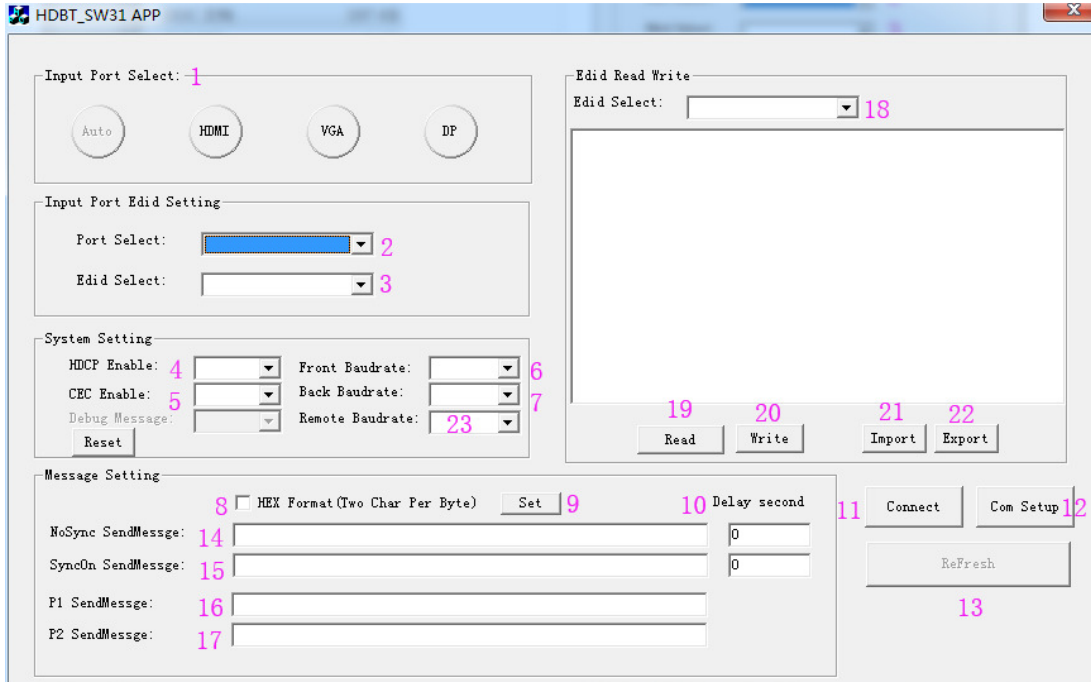
Will see below software interface

8.2 Click button 11 to connect seriel port, Refresh button will change to black after connect succesfully.

8.3 Load default setting；

After connnect successfully then click button **13** to load wallplate's default settings (Icon 13 will change to black means load succeed).

Switch below input sources to check if load successfly.

8.4 System setting

1. Select PC'S baut rate. (Front Baudrate: [____] 6 , default baud rate is 115200, if want to revise baut rate, need to reopen the APP).
2. Back baud rate stands for third party device's baud rate. Users select it accoring to the actual device.

8.5 Message setting

1. P1/ P2 ; Type in the command in box **16** and **17**, then click **SET** to save.
After save, click **refesh** to check save successfully or not.

2. Support Hex and ASCII two formats command. Depend on user's demand to select whether need.
To tick [ ] HEX Format(Two Char Per Byte) and [ ] End [CR] .

9. Function and instruction：

1: Input source select ： HDMI, VGA, DP;

2: EDID setting for input：HDMI, VGA, DP;

3: EDID Select drop-down column：Bypss EDID),
Edid1,Edid2,Edid3,Edid4,Edid5,Edid6,Edid7,(from 1 to 7is bypass EDID)
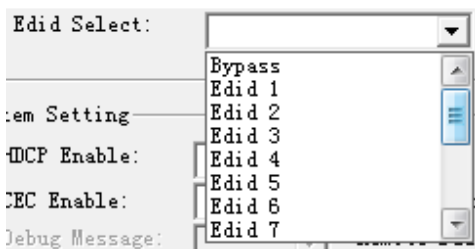
4: HDCP：Disable or Enable
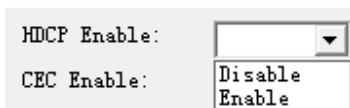
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5: CEC feature：Disable or Enable;

CEC Enable:	▼
Debug Message:	Disable
	Enable

6 :Select the baud rate for PC software configuration（Reopen the software after selection ）：2400，4800，9600，14400，19200，38400，57600，115200；

Local Baudrate:	▼
Remote Baudrate:	2400
	4800
	9600
	14400
	19200
	38400
ormat(Two Char Per	57600
	115200

7：P1P2 output baudrate selecton：2400，4800，9600，14400，19200，38400，57600，115200；

Remote Baudrate:	▼
	2400
	4800
	9600
	14400
ormat(Two Char Per	19200
	38400
	57600
	115200

8：Hex and ascii two command formats for selection, put a tick in to box chose Hex；

☐ HEX Format(Two Char Per Byte)

9：Presh Set to save P1,P2command；   Set

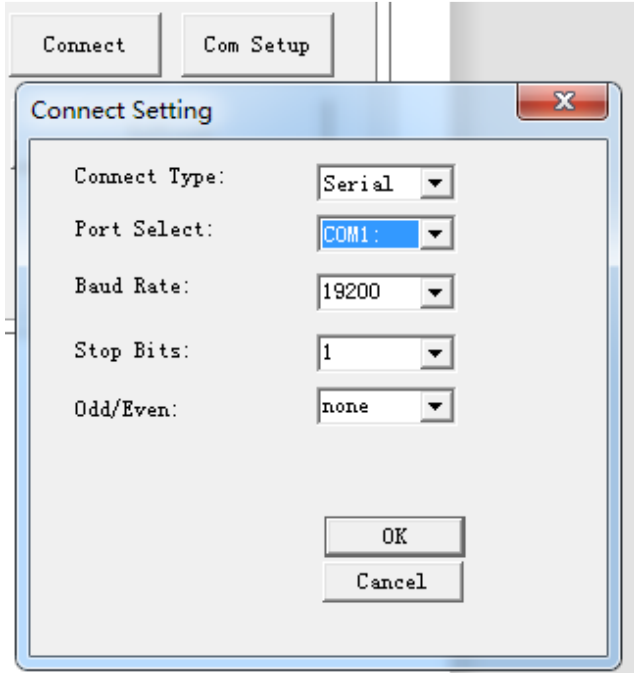10: Send command latency，usually measured in millisecond

Delay second

| 0 |
| 0 |

11: Serial port connection button；   Connect

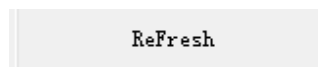12：Serial port，baud rate，stop bit（default 1），Verify（default none）；

13: Click Refresh to load the configuration information of the wallplate into the software, after onnect succeed Refresh will change to black, if not this button will remail grey；

Button in gray stands for Connect failed
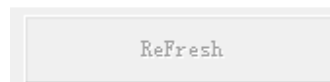
Button in black stands for Connect succeed

14：Label input box：（**No actual function in this model)**

15：Label input box：（**No actual function in this model)**

16：Command I input box：

P1 SendMessge:	

17：Command II input box：

P2 SendMessge:	

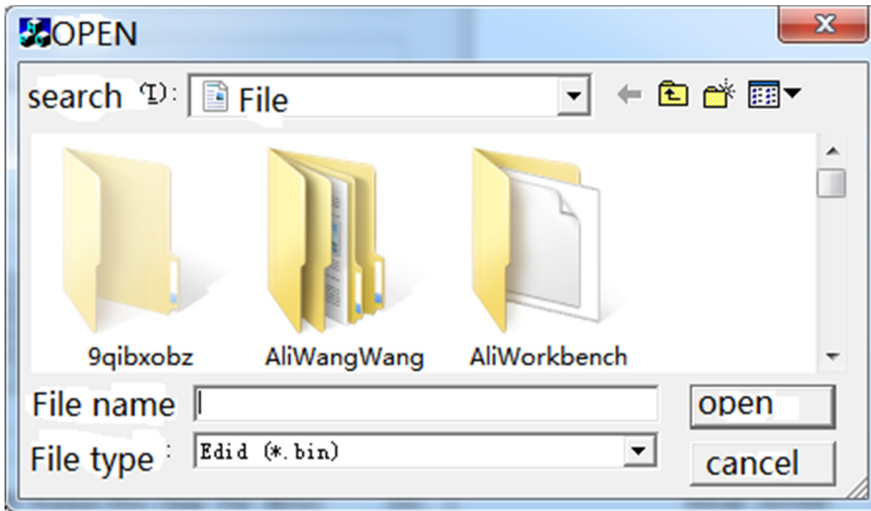18：EDID select：Displayer(Terminal display equipment's EDID), push button 19 to Read EDID, will be shown in the box
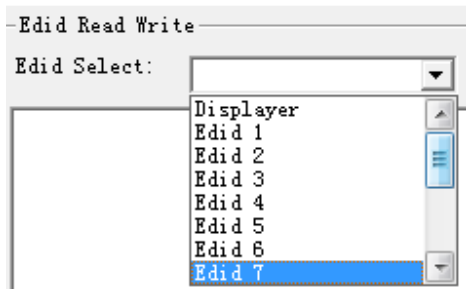
20：Write EDID： Write ；

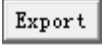21：Import EDID： Import ；Click to open the below dialog box , EDID file format is ".Bin";

After opening the EDID file, press the 20 (write) key to write the EDID information into the customized edid list 1 to 15.

22：Export EDID： Export ； Save the file as ". Bin" type. Press the export key to open the following dialog box, which can save the EDID information read back from the display device;
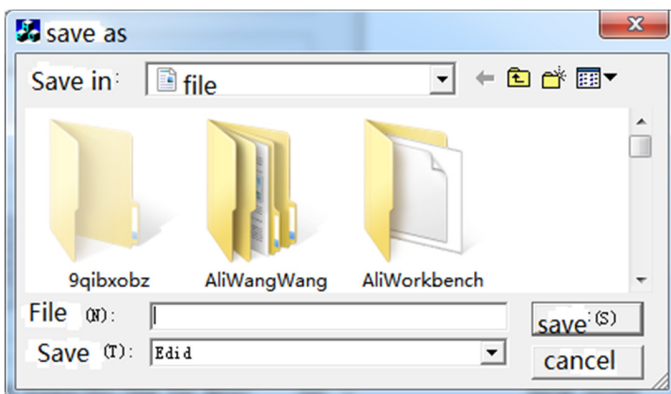
23：No actual function in this model.

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Package contents:

1x DP+HDMI+VGA Wallplate Transmitter
1x Power adapter
1x IR TX cable
1x IR RX cable
1x User Manual

Warranty: 2 Years

Warranty is effective from the date of original delivery.
This warranty shall be void if a serial number has been removed from the product.