

Smart-AM

SMART AUDIO VIDEO INNOVATION

SWP-T10

Wall Plate Extender 1080p



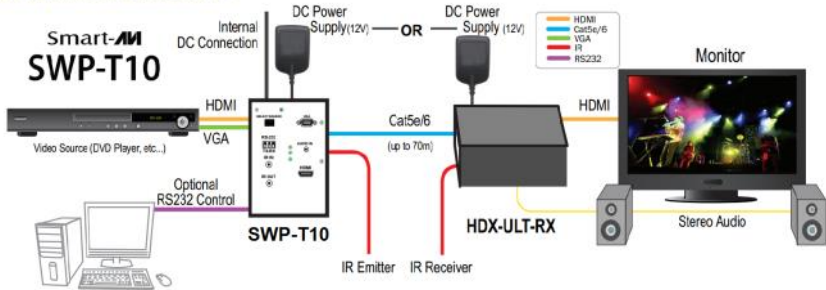
Extends VGA, stereo audio, HDMI, IR and RS232 signals with CAT5e/6 up to 70 meters.

USER MANUAL
(rev 1.0)

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SWP-T10	1	HDBaseT Wall Plate Transmitter
PS12V2A	1	Power Supply
	1	SWP-T10 Quick Start Guide

APPLICATION DIAGRAM



CONNECTING THE HDX-WPRO

1. Install the SWP-T10 transmitter and place the SmartAVI HDX RX receiver unit in close proximity to the output device.
2. Connect a Cat5e/6 cable between the TX and RX units (up to 70m).
3. Connect a signal source to the SWP-T10 via HDMI, VGA, Stereo Audio, RS232 or IR connectors.
4. Connect the HDX RX unit to the desired output device.
5. Connect a 12V power supply to either the SWP-T10 or the HDX RX unit. The other device will be powered via POE (Power over Ethernet).
6. Use the TX front panel SELECT SOURCE button to switch between source signals. Using automatic selection will select the last source connected.

Optional:

1. Connect an RS232 cable between SWP-T10 and a personal computer and a RS232 cable from the HDX RX unit to any RS232 device to remotely communicate with or control your RS232 device.
2. To extend IR remote control from the SWP-T10 to the HDX RX unit, connect an IR receiver to the SWP-T10 and an IR Emitter to the HDX RX for infrared remote control up to 20m

SWP-T10 FRONT



SWP-T10 BACK



TECHNICAL SPECIFICATIONS

PORTS

Input ports	1 x HDMI, Type A 19-pin, female; 1 x VGA HD-15, female; 1 x AUDIO IN(Stereo); 1 x IR IN; 1 x RS-232 3p captive screw connector; 1 x 2p captive screw connector
Output ports	1 x IR OUT; 1 x RJ45; 1x RS-232 3p captive screw connector;

VIDEO

Max Data Rate	6.75Gbps
Maximum Pixel Clock	225MHz
Resolutions	Up to 1920x1200 or 1080P@60Hz
Compliance with HDMI standard	Supports HDMI 1.4 and HDCP1.2

AUDIO

Frequency Response	20Hz ~ 20KHz
Stereo Channel Separation	>75dB@20Hz ~ 20KHz
Bandwidth	20Hz ~ 25KHz

OTHER

Power Input	12V DC or 24V DC, 2A
Power Consumption	undetermined
Dimensions	4.6" W x 4.6" D x 1.45" H
Weight	0.75lbs
Operating Temp.	0° to +40°C (32° to 104°F)
Storage Temp.	-20°C ~ 60°C / -4 °F ~ 140 °F
Humidity	10% ~ 90%
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)

ORDER INFO

Part No.	Description
SWP-T10	HDMI, VGA, Stereo Audio, IR POE Extender with Integrated Scaler and Converter. Includes [SWP-T10-TX, PS12VD2A-WLLMNT]

METHODS TO CONTROL SWP-T10

Front Panel Button

The Select/Auto button selects an input source. If you press and hold the button, the SWP-T10 will enter the automatic switching mode and the Auto-Switch LED lights up. If you press and hold the button again, the SWP-T10 will exit the automatic switching mode.

RS-232 External Protocol (PC User)

Supports bi-directional RS-232 pass-through control.

This protocol is for communication between PC user and board. The following settings should be used: 9600 baud rate, 8 data bits, no parity bits, 1 stop bit, and no flow control.

Table 1: Command Protocol		
Switch to HDMI	Changes the source to HDMI	//HD<CR><LF>
Switch to VGA	Changes the source to VGA	//VG<CR><LF>
Auto ON	Enable auto-switching by detecting hot plug.	//AE<CR><LF>
Auto OFF	Disable auto-switching by detecting hot plug.	//AD<CR><LF>
RES 1	Select Change the resolution to 1920 x 1200.	//R1<CR><LF>
RES 2	Select Change the resolution to 1920 x 1080.	//R2<CR><LF>
RES 3	Select Change the resolution to 1360 x 768.	//R3<CR><LF>
RES 4	Select Change the resolution to 1280 x 720.	//R4<CR><LF>
RES 5	Select Change the resolution to 1024 x 768.	//R5<CR><LF>
SW Update	Software update for MSTAR chip.	//SU<CR><LF>
Reset to Default	Reset to factory defaults	//RD<CR><LF>
Table 2: Query Protocol		
Version	Checks current version of MSTAR software.	//V?<CR><LF> Version Vx.x.x
CHK RES	Checks the current resolution.	//R?<CR><LF> Resolution: xx
CHK SRC	Checks the current source.	//S?<CR><LF> Input: xx

IR Function

Control devices like HDTVs, BluRay players, and more with

IR Cable Pin Assignment

IR Receiver (RX)



IR Emitter (TX)



Notes:

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