

**STUTPRXWLA**  
**STUTPTXWLA**  
**STUTPWALLA**  
**Instruction Manual**

# **VGA Video Extender over CAT5**

**VGA Wall Plate Video and Audio  
Extender over CAT5 Receiver**

**VGA Wall Plate Video and Audio  
Extender over CAT5 Transmitter**

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## **FCC Compliance Statement**

This equipment 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 residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Introduction

## Packaging Contents

- 1 x STUTPTXWLA (transmitter) or STUTPRXWLA (receiver)  
\* both units included in STUTPWALLA kit
- 1 x Power Adapter  
\* 2 included in STUTPWALLA kit
- 1 x User Manual
- 1 x Terminal Block adapter for power adapter  
\* 2 included in STUTPWALLA kit

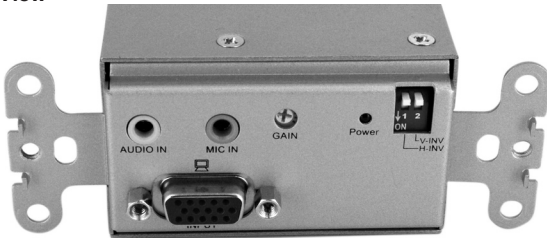
## System Requirements

- Open wall receptacle for Transmitter/Receiver unit installation
- Available power outlet
- Both Transmitter (STUTPTXWLA) and Receiver (STUTPRXWLA) units
- VGA video source
- VGA enabled display device

# Installation

## Transmitter Unit (STUTPTXWLA)

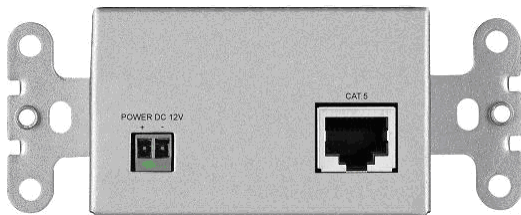
### Front View



\* picture may vary from actual product

- DE-15 VGA Female Connector
- 3.5mm Mini-Jack Audio Input
- 3.5mm Mini-Jack Microphone Input
- GAIN – Adjust brightness
- Power LED
- Control H/V signal inverting switch
  - The default setting of H-INV is “OFF”. If H-INV is set to “ON”, the horizontal signal output is adjusted. H-INV on the receiver must also be set to “ON”.
  - The default setting of V-INV is “OFF”. If V-INV is set to “ON”, the vertical signal output is adjusted. V-INV on the receiver must also be set to “ON”.
  - Use this setting when noise or sync issues are detected in the signal transfer.

## Rear View



\* picture may vary from actual product

- Power Terminal Block Connector
- RJ-45 Female Connector

## Receiver Unit (STUTPRXWLA)

### Front View

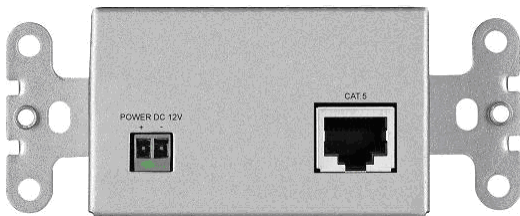


\* picture may vary from actual product

- DE-15 VGA Female Connector
- 3.5mm Mini-Jack Audio Output
- EQ – Equalization length adjust (Adjust sharpness)
- GAIN – Adjust brightness
- Power LED
- Control H/V signal inverting switch

- The default setting of H-INV is “OFF”. If H-INV is set to “ON”, the horizontal signal output is adjusted. H-INV on the transmitter must also be set to “ON”.
- The default setting of V-INV is “OFF”. If V-INV is set to “ON”, the vertical signal output is adjusted. V-INV on the transmitter must also be set to “ON”.
- Use this setting when noise or sync issues are detected in the signal transfer.

## Rear View



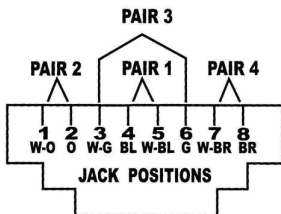
\* picture may vary from actual product

- Power Terminal Block Connector
- RJ-45 Female Connector

## Hardware Installation

1. Turn off the PC and remote monitor.
2. Connect STUTPTXWLA Transmitter unit DE-15 VGA female connector with a DE-15 VGA male to male cable to PC video card.
3. Connect STUTPTXWLA Transmitter and STUTPRXWLA Receiver units together with CAT5 UTP cable.
4. Connect STUTPRXWLA Receiver unit DE-15 VGA female connector with a DE-15 VGA male to male cable to the monitor/display.
5. Connect the power adapter on each unit.
6. Turn on the monitor and PC.

## Wiring Information and Coding



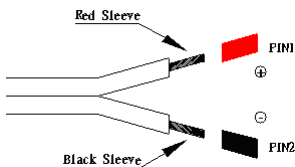
Conductor	RJ45 Pin	Conductor Colour Code
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown



## Distances and Resolutions

CAT5/CAT5e	50m	1920x1200
	100m	1600x1200
	180m	1280x1024
	200m	1024x768
	300m	800x600
CAT6	30m	1920x1440
	50m	1280x1024
	100m	800x600

## Adapter Output Polarity



Pin	Output Level	Conductor Colour
1	+12V	Black-White
2	RTN (-)	Black

# Specifications

<b>Video Connector</b>	15-pin VGA (DE-15)
<b>Audio Connector</b>	3.5mm stereo Mini-Jack
<b>Rear Connectors</b>	RJ45 Terminal Block
<b>Maximum Resolution</b>	1920x1200@60Hz (at 50 m)
<b>Maximum Distance</b>	300 meters (at 800x600)
<b>Power Adapter Output</b>	12VDC, 600mA
<b>Material</b>	Metal
<b>Color</b>	White
<b>Weight</b>	136 g (transmitter) 136 g (receiver)
<b>Dimensions</b>	105.0 mm x 42.0 mm x 38.0 mm

## Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## Warranty Information

This product is backed by a one year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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