

Mini VGA Video and Audio Extender over Cat5

ST121UTPMINI



DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

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

Thank you for purchasing a StarTech.com Converge A/V Mini VGA over Cat5 UTP Extender and Receiver. Providing a high resolution point to point digital signage solution, the extender sends the video signal to a remote monitor / display or projector over standard 4 pair CAT5e UTP cable, using RJ45 connectors and supports transmission distances of up to 90m (275ft).

The ST121UTPMINI is an out-of-box solution that includes both the local transmitter and remote receiver. The receiver is compact enough to be tucked away behind the display in tight spaces for any installation.

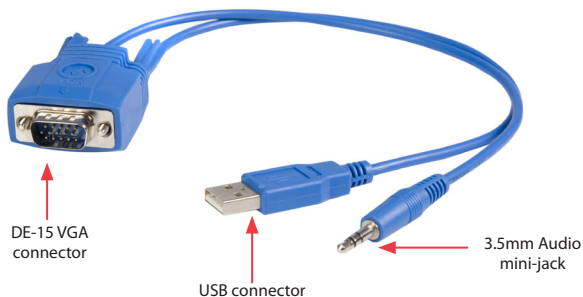
Features

- Transmits VGA Video and Audio through one Cat5 cable
- Supports resolutions up 1920x1200 at 90m (275ft.)
- Pure hardware design, no software or drivers required
- Transmitter uses a USB port on PC or media player as a power source, meaning less clutter at your signal source
- Receiver uses a power adapter for signal enhancement and has a built in equalizer for fine tuning image quality

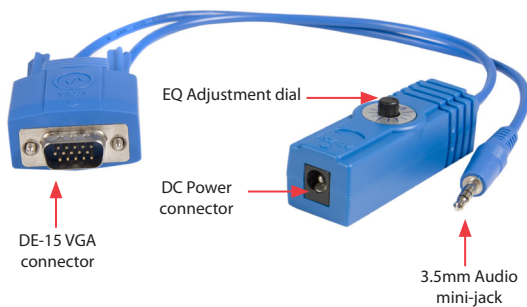
Package Contents

- 1 x VGA and Audio Transmitter (Local)
- 1 x VGA and Audio Receiver (Remote)
- 1 x Universal Power Adapter
- 1 x Instruction Manual

Transmitter Unit



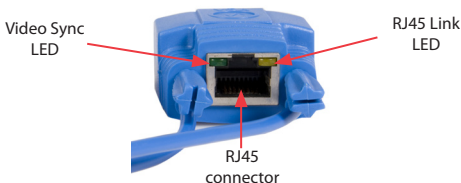
Receiver Unit



Installation

Transmitter Unit

1. Attach the Transmitter unit to the VGA source's VGA output connector.
2. If using audio, connect the 3.5mm audio cable to the audio output connector.
3. To power the Transmitter unit, connect the integrated USB cable to an available USB port on the video source device.
4. To test the VGA signal to the Transmitter unit, turn on the VGA source and observe the LED indicators. The Video Sync LED should light up solid, if a good video signal is detected.



Receiver Unit

1. Attach the Receiver unit to the display's VGA input connector.
NOTE: If the display has a VGA input that makes directly attaching the Receiver unit difficult, use an appropriate length VGA extension cable (i.e. StarTech.com ID: MXT101HQ3).
2. If using audio, connect the 3.5mm audio cable to the display's audio input, or separate audio receiver/speaker system.
3. To power the Receiver unit, connect the included DC power adapter.
4. The Video Sync LED should start blinking, as no video source is connected to the Receiver unit yet.

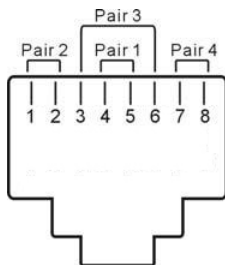
UTP Cat5 Cable

1. Ensure that the Cat5 UTP cable being used has 568B terminations at both ends and does not exceed the maximum recommended length of 180 metres (590 feet).
2. The UTP cable should not pass through any networking equipment, such as routers, switches, hubs, etc.
3. Attach one end of the Cat5 cable to the transmitter of the St121UTPMINI and the other end to the receiver. The RJ45 Link LED on both units should light up to indicate the connection is detected.
4. Use the equalizer dial on the receiver to adjust the signal to the display.

Wiring Diagram

T568B Termination

Pin	Wire Color	Pair
1	White/Orange	2
2	Orange	2
3	White/Green	3
4	Blue	1
5	White/Blue	1
6	Green	3
7	White/Brown	4
8	Brown	4



Specifications

	ST121UTPMINI
Video Signal	VGA (RGBHV)
Connectors (Local)	1 x DE-15 VGA male 1 x 3.5mm mini-jack 1 x USB type A 1 x RJ45
Connectors (Remote)	1 x DE-15 VGA male 1 x 3.5mm mini-jack 1 x DC Power 1 x RJ45
LED	Power and Video Status
Maximum Video Resolution	1920x1200 @ 90m/275ft
Maximum Distance	90m/275ft
Compatible Cabling	Cat5e, Cat6
Audio Support	Yes (analog stereo)
Power Adapter	5VDC, 1.2A, center positive
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	10 ~ 90% RH

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 and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a two 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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