



**HOME
THEATER**



VGA over Cat5e/ Cat6 Extenders with Audio

Vanco Part Number:
280544 (500 ft.)
280546 (1000 ft.)

Technical Support

www.vanco1.com • info@vanco1.com • 800-626-6445

DEAR CUSTOMER

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.

Vanco's VGA over Cat5e/Cat6 Extenders with Audio allow VGA and audio signals to be transmitted using a single Cat5e or Cat6 cable up to 500 ft (280544) or 1000 ft (280546). For control and fine tuning, the 280546 offers EQ and GAIN controls on the receiver balun to fully adjust for distance range and transmission signal optimization. The 280546 also features dual output, which allows for one display with audio at origin location and an additional display device with audio in a remote location. The 280544 and 280546 support computer resolutions UXGA (1600x1200), SXGA (1280x1024), XGA (1024x768), SVGA (800x600) and VGA (640x480).

FEATURES

VGA over Cat5e/Cat6 Extender with Audio (500 ft)

Part # 280544

- Allows VGA and Audio Signals to be Transmitted using one Cat5e or Cat6 cable
- Transmission Range up to 500 ft.
- Built-in equalizer for signal boosting
- Supports computer resolutions UXGA (1600x1200) SXGA (1280x1024), XGA (1024x768), SVGA (800x600) and VGA (640x480)
- Supports up to 60 meters (198 ft) with resolution 1600x1200
- Supports up to 80 meters (264 ft) with resolution 1280x1024
- Supports up to 100 meters (330 ft) with resolution 1024x768
- Supports up to 120 meters (396 ft) with resolution 800x600
- Supports up to 150 meters (500 ft) with resolution 640x480
- Power Supply: (2) 5V DC, UL Listed
- Dimensions: 2.88" W x 1"H x 2"D

VGA over Cat5e/Cat6 Extender with Audio (1000 ft)

Part # 280546

- Allows VGA and Audio Signals to be Transmitted using one Cat5e or Cat6 cable
- Transmission Range up to 1000 ft.
- 350 MHz signal transmission bandwidth
- Receiver features adjustable EQ and GAIN controls
- Dual Output allows for one display with audio at origin location and an additional display device with audio in a remote location
- Supports computer resolutions UXGA (1600x1200) SXGA (1280x1024), XGA (1024x768), SVGA (800x600) and VGA (640x480)
- Supports up to 100 meters (330 ft) with resolution 1200x1600
- Supports up to 120 meters (396 ft) with resolution 1280x1024
- Supports up to 180 meters (594 ft) with resolution 1024x768
- Supports up to 200 meters (660 ft) with resolution 800x600
- Supports up to 300 meters (1000 ft) with resolution 640x480
- Power Supply: (2) 12V DC, UL Listed
- Dimensions: 3.69" W x 1.25"H x 3.75"D

PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

280544:

- Transmitter and Receiver
- (2) 5V/1A DC Power Supply
- User's Manual

280546:

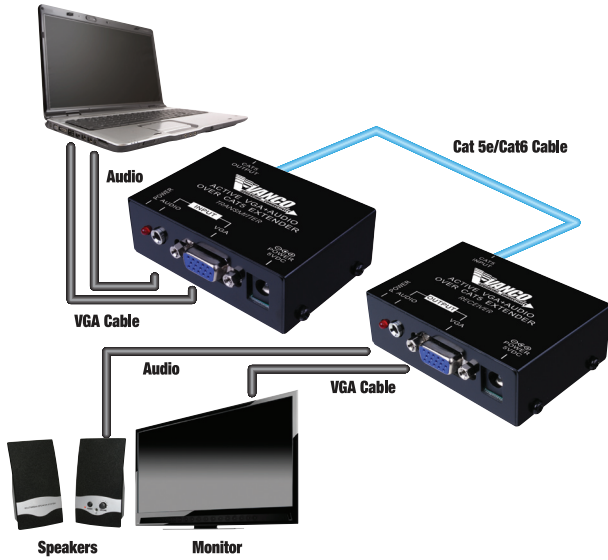
- Transmitter and Receiver
- (2) 12V/1.2A DC Power Supply
- User's Manual

CONNECT AND OPERATE

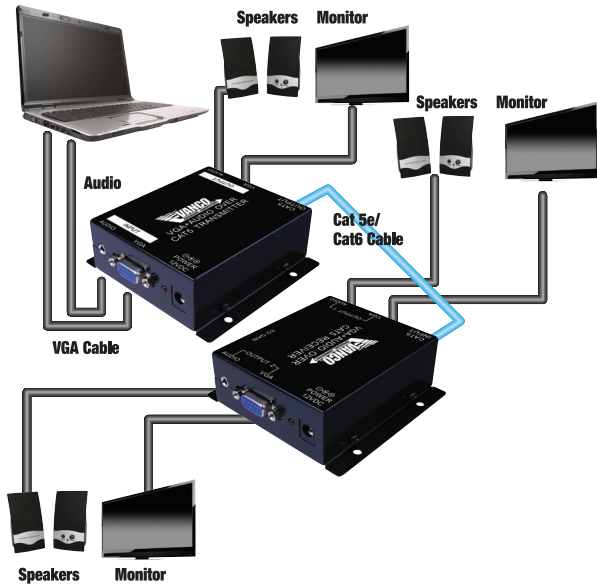
1. Connect 1 source such as a PC or laptop that has a VGA output to the VGA input on the transmitter balun.
2. Connect the audio source using a 3.5mm cable into the 3.5mm jack on the transmitter balun.
3. Connect 1 display such as an HDTV or HD Projector that has a VGA input to the VGA output on the receiver balun (280546 supports dual output and can output video at both transmitter and receiver baluns).
4. Connect the audio output on the receiver balun to the display device using a 3.5mm cable (280546 supports dual output and can output audio at both transmitter and receiver baluns).
5. Connect a single Category 5e or 6 cable to both transmitter and receiver baluns.
6. For power, plug in the source first, followed by the Receiver and then Transmitter (two 5V DC power supplies included for 280544, two 12V DC power supplies included for 280546), followed by the output connected.
7. Power on each device in the same sequence (receiver and transmitter will already be powered when plugged in).

At this point the display connected should display the source signal connected to the extender set. If no signal is being displayed, connect a shorter Cat5e/6 cable (less than 15 ft). If no signal is still displaying, adjust the EQ and GAIN controls (280546 only), if a signal displays with the shorter category cable, the EQ distance will need to be adjusted to the longer category cable being used. If a display is having difficulty receiving a signal, access the display's menu and adjust the resolution (lowest to highest until signal is displayed). A 24 Hz vertical refresh rate may work better than 60 Hz or higher.

280544 CONNECTION DIAGRAM



280546 CONNECTION DIAGRAM



TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by e-mail at info@Vanco1.com or call 1-800-626-6445 between the hours of 8am and 5pm central US time zone on Monday through Friday.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theater applications.

For additional information please visit www.vanco1.com

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of one year from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or a uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

Vanco® International

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