



AV over Cat5e Extender Quick Install Guide

1.0 Disclaimer

The purchase and usage of Belkin AV over Cat5e extender is for indoor application only. Belkin AV over Cat5e extenders should only be installed by a licensed electrician skilled in the field of low voltage indoor cable installs. The Belkin AV over Cat5e solution is not intended for do-it-yourself installation as critical damage to building, hardware and bodily harm may occur if not properly installed.

2.0 Product Description

Belkin AV over Cat5e extenders are AV distribution over Cat5e cabling connecting AV sources to projectors, displays, and TVs over Cat5e cable.

Belkin AV over Cat5e extenders:

- 1 to 1 VGA with RS232 over Cat5e cable: 30M and 300M.
- 1 to 4 VGA over Cat5e: 30M and 300M.
- 1 to 1 and 1 to 4 HDMI over Cat5e: 100M.

3.0 Installation

IMPORTANT: The graphic card capability must match the monitor resolution in order to get the maximum resolution performance. Belkin AV over Cat5e extenders will only perform up to the best graphical output and monitor display capability.

1. Belkin components required

- a. AV over Cat5e transmitter and receiver boxes and respective power adapters
 - b. Belkin brand Cat5e cable or equivalent
 - c. Belkin-brand AV cables: HDMI and VGA cables or equivalent
2. Tools required
- a. Phillips screwdriver if the included mount plate is used
3. Initial Setup
- a. Identify the Transmitter and Receiver units
 - i. Transmitter (labeled on the front of the box) is the input source side: DVD, PC, or Media player
 - ii. Receiver (labeled on the front of the box) is the output display side: Projector, monitor, or TV
 - b. Verify that the Cat5e cable length matches the transmitter & receiver distance limitation
 - c. Verify that power is available within 3 feet for power adapters
4. Installation:
- a. Securely install/place transmitter box at the input source side. If necessary, screw in the mount plate to a flat surface
 - b. Securely install/place receiver box at the output display side. If necessary, screw in the mount plate to a flat surface
 - c. Connect the transmitter to receiver box with a Cat5e cable; do not exceed the maximum rated distance on the transmitter & receiver box.
 - d. Plug in USB cable to the transmitter box and power adapter to the receiver boxes
 - e. Connect VGA or HDMI cables to the transmitter source and receiver monitor. We recommend Belkin-brand VGA and HDMI cables.

4.0 VGA and HDMI Extender Instructions

Belkin AV over Cat5e transmitter and receiver boxes are labeled on the individual box. Transmitter box is labeled transmitter, and the receiver box is labeled receiver:

- o Verify that both the VGA and HDMI monitor & player equipments share compatible graphic output type and resolution.
- o HDMI extenders will not upscale video to 1080p if the source is not rated 1080p.
- o VGA extenders will not upscale video quality beyond source graphic card capability.
- o Once the Cat5e cable is connected to the transmitter and receiver boxes, plug in the power adapter before turning on the monitor and player.
- o VGA 300M receiver boxes: adjust the receiver tuning buttons slowly to fine tune video image. Note the gain tuning button requires slow tuning speed to achieve maximum clarity.
- o HDMI transmit & receiver boxes are plug & play, no additional adjustments needed.

5.0 Troubleshooting

Problem: I am getting ghosting, shadowing, or fuzzy images on my monitor.

Solution:

- Check that all video cables are inserted properly.
- Check that the monitor supports the resolution and refresh rate setting on your computer.
- Check that the graphic card supports the resolution and refresh rate setting on your computer.
- Hit auto adjust on monitor to see if the problem still appears.
- Check that the Cat5e cable is properly installed and correct length supported by the transmitter & receiver boxes.

Problem: I am getting ghosting, shadowing, or fuzzy images on my TV.

Solution:

- Check that all video cables are inserted properly.
- Check that the TV supports the resolution and refresh rate setting on your DVD player.
- Check that the DVD player supports the resolution and refresh rate setting on your TV.
- Hit auto adjust on TV to see if the problem still appears.
- Check that the Cat5e cable is properly installed and correct length for the transmitter & receiver boxes.

Problem: I am getting a black screen.

Solution:

- Check that all video cables are inserted properly.
- If a power adapter is used, check that the power adapter is properly connected.
- Connect the computer or DVD player directly to the monitor or TV to see if the problem persists.
- Hit auto adjust on monitor to see if the problem still appears.
- Check that the Cat5e cable is properly installed and correct length for the transmitter & receiver boxes.

6.0 Warranty

Belkin International, Inc., Limited 3-Year Product Warranty

Belkin International, Inc. ("Belkin") warrants to the original purchaser of this Belkin product that the product shall be free of defects in design, assembly, material, or workmanship.

What will we do to correct problems?

Product warranty: Belkin will repair or replace, at its option, any defective product free of charge (except for shipping charges for the product). Belkin reserves the right to discontinue any of its products without notice, and disclaims any limited warranty to repair or replace any such discontinued products. In the event that Belkin is unable to repair or replace the product (for example, because it has been discontinued), Belkin will offer either a refund or a credit toward the purchase of another product from Belkin.com in an amount equal to the purchase price of the product as evidenced on the original purchase receipt as discounted by its natural use.

What is not covered by this warranty?

All above warranties are null and void if the Belkin product is not provided to Belkin for inspection upon Belkin's request at the sole expense of the purchaser, or if Belkin determines that the Belkin product has been improperly installed, altered in any way, or tampered with. The Belkin Product Warranty does not protect against acts of God such as flood, lightning, earthquake, war, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low voltage disturbances (i.e. brownouts or sags), non-authorized program, or system equipment modification or alteration.

How to get service.

To get service for your Belkin product you must take the following steps:

1. Contact Belkin International, Inc. at 501 W. Walnut St., Compton CA 90220, Attn: Customer Service, or call (800)-223-5546, within 15 days of the Occurrence. Be prepared to provide the following information:

- a. The part number of the Belkin product.
- b. Where you purchased the product.
- c. When you purchased the product.
- d. Copy of original receipt.

2. Your Belkin Customer Service Representative will then instruct you on how to forward your receipt and Belkin product and how to proceed with your claim. Belkin reserves the right to review

the damaged Belkin product. All costs of shipping the Belkin product to Belkin for inspection shall be borne solely by the purchaser. If Belkin determines, in its sole discretion, that it is impractical to ship the damaged equipment to Belkin, Belkin may designate, in its sole discretion, an equipment repair facility to inspect and estimate the cost to repair such equipment. The cost, if any, of shipping the equipment to and from such repair facility and of such estimate shall be borne solely by the purchaser. Damaged equipment must remain available for inspection until the claim is finalized. Whenever claims are settled, Belkin reserves the right to be subrogated under any existing insurance policies the purchaser may have.

How state law relates to the warranty.

THIS WARRANTY CONTAINS THE SOLE WARRANTY OF BELKIN. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR, EXCEPT AS REQUIRED BY LAW, IMPLIED, INCLUDING THE IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SUCH IMPLIED WARRANTIES, IF ANY, ARE LIMITED IN DURATION TO THE TERM OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

IN NO EVENT SHALL BELKIN BE LIABLE FOR INCIDENTAL, SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR MULTIPLE DAMAGES SUCH AS, BUT NOT LIMITED TO, LOST BUSINESS OR PROFITS ARISING OUT OF THE SALE OR USE OF ANY BELKIN PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental, consequential, or other damages, so the above limitations may not apply to you.

7.0 Tech Support

Belkin Tech Support

US: 800-223-5546 ext. 2263

310-898-1100 ext. 2263

UK: 0845 607 77 87

Australia: 1800 235 546

New Zealand: 0800 235 546

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