

Component Balun Specifications:

Models and Dimensions

UDR-Quad (in-wall Decora™ version): 4.1"h x 1.4" w x 2.0"d.

UDS-Quad (in-wall Decora™ version): 4.1"h x 1.4" w x 2.0"d.

UR-Quad (black enclosure): 1.1"h x 2.6"w x 2.8"d (28 x 66 x 71 mm).

US-Quad (black enclosure): 1.1"h x 2.6"w x 2.8"d (28 x 66 x 71 mm).

US4-Hub (black stackable enclosure).

Video Bandwidth: 450 MHz @ -3 dB.

Video Input: Receive unit: 0.5 V to 2V.

Video Output: Send unit: 0.5 V to 2 V.

Input and Outputs:

Send Unit: four gold RCA input jacks, one RJ-45 out-jack, one-DC power input.

Receive Unit: four gold RCA input jacks, one RJ-45 out-jack, one-DC power input.

US4-Hub: Four RCA input jacks, six RJ-45 output jacks, one DC power input, one input and one output link RJ45 jack.

Power

Send Unit: 12 VDC 40mA.

Receive Unit: 12 VDC 40mA.

US4-Hub: 15 VDC (one PS1506 included).

Warranty

Knoll Systems warrants its products sold in the USA and Canada by authorized Knoll dealers to be free of defects in materials and workmanship. This warranty extends for three full years from the date of purchase by the original consumer. Any products returned to Knoll Systems and found to be defective by Knoll Systems within the warranty period will be repaired or replaced at Knoll Systems option, at no charge. Knoll Systems will not be responsible for the actual cost of installation or removal of the product, nor for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may have additional legal rights that vary from state to state.

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UDR-Quad A/V Receiver

UDS-Quad A/V Sender

UR-Quad A/V Receiver

US-Quad A/V Sender



Installation Instructions v1.1

Warning: To be installed and/or used in accordance with appropriate electrical codes and regulations. If you are not sure about any part of these instructions, consult a qualified electrician.

Caution: Do not install this product in an electrical junction box with 110V or higher unless an approved barrier separates the high and low voltage sections.

Introduction: Thank you for your purchase of a Knoll active balun system. This system is specifically designed to send a three wire Pb, Pr, Y component or RGB and Digital Audio (Dolby® digital or DTS®) signals safely down a cat 5 or cat 5e wire up to 500 feet without encountering signal degradation problems. Balun is an acronym for:

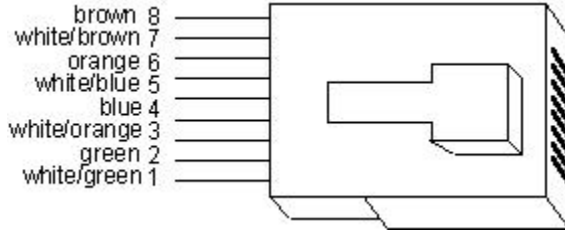
BALance – UNbalance

The send module takes a conventional component signal and balances it (signal is not tied to a ground reference) then sends it via cat 5 to the receive module (with power from the send module). The receive module unbalances the component signal back to its former state. This process does not allow any stray magnetism of any sort to contaminate the signal while it is being transported.

Features:

- Tabletop box design or Decora™ style available.
- Will safely send 480i/p, 720p and 1080i/p signals.
- PS1202 power supply required on both sides.
- 6 output hub available
- Mix and match decora style and tabletop style.

Wiring: A send module (UDS-Quad or US-Quad) needs to be connected to a Knoll receive module (UDR-Quad or UR-Quad) to work correctly. The send and receive module are connected using a single cat 5 wire using all 8 conductors. Connection is made with the RJ45 connector (RJ45 plug not supplied). Always use standard cat 5 wiring practices. Using the correct wire pairs and polarity is **VERY** important.



Connection to stereo video source equipment: Connect the four UDS-Quad or US-Quad gold RCA jacks with a good quality gold connector four wire component RCA jumper cable to the appropriate **three component output and digital audio output** jacks on your DVD, dish receiver, D-VHS, VCR, stereo or other equipment. If there is a switched outlet on your output equipment, you may want to plug the PS1202 power supply to the switched outlet.

Make sure a good quality RJ45 8-8 crimper is used to connect the RJ45 connector to the cat 5 wire. Poor crimping and mismatched wires are the most frequent cause of installation problems.

Power requirements: The Knoll quad balun system requires two PS1202 power supplies connected one each to the send and receive units.

Note: The quad Decora style and enclosure style models can be mixed or matched as desired.

Connection to the Projector, TV or other components: Connect the four UDR-Quad or UR-Quad gold RCA jacks with a good quality gold connector four wire component RCA jumper cable to the appropriate **three component input and digital audio** jacks on your projector, plasma, TV or other component. Make sure the correct projector, plasma, TV or other component input is selected.

Multiple Connection(s): If the component and digital signal needs to be sent to more than one receiver, this can easily be accomplished by using the Knoll US4-HUB for up to six outputs. For more the US4-Hub can be daisy chained together.

The Knoll send receive system does not have any user adjustments and is completely automatic. If need be, please call our tech line for details at 1 800 566 5579.

This product may contain lead that some states have determined are harmful. Wash you hands after touching this product.

Decora™ is a trademark of Leviton

