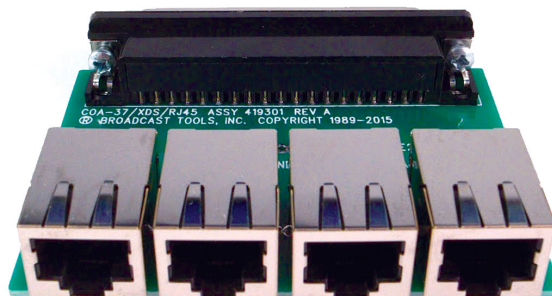


BROADCAST[®]
t o o l s **INC**
PROBLEM SOLVED

Installation and Operation Manual



COA-37 XDS/RJ ***Connect O' Adapter***

Manual update: 02/15/2018

If you need a firmware upgrade, contact Broadcast Tools[®]

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ALL SPECIFICATIONS AND FEATURES FOR THIS PRODUCT ARE SUBJECT TO
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NOTE: We recommend the use of Chrome, Firefox or Safari as your browser.

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Visit www.broadcasttools.com for important product update information.

INTRODUCTION

Thank you for your purchase of the Broadcast Tools, Inc., COA-37 XDS/RJ, Connect O' Adapter 37 XDS/RJ. We're confident this product will give you many years of dependable service. This manual is intended to give you all the information needed to install and operate the unit.

SAFETY INFORMATION

Only qualified technical personnel should install the COA-37 XDS/RJ. Any attempt to install this device by a person who is not technically qualified could result in a hazardous condition to the installer or other personnel or damage to the COA-37 XDS/RJ or other equipment. Please ensure that proper safety precautions have been taken before installing this device. If you are unfamiliar with this type of equipment, please contact a properly qualified engineer to handle the installation and setup of the COA-37 XDS/RJ. Broadcast Tools, Inc., is unable to support NON-Broadcast Tools software, hardware or NON-Broadcast Tools computer/hardware/software problems. If you experience these problems, please research your hardware/software instruction manuals or contact the manufacturers technical support department.

WHO TO CONTACT FOR HELP

If you have any questions regarding your product or you need assistance, please contact your distributor from whom you purchased this equipment. If you would like more information about BROADCAST TOOLS® products, you may reach us at:

Broadcast Tools, Inc.

131 State Street
Sedro-Woolley, WA 98284-1503 USA
Voice: 360.854.9559
Fax: 866.783.1742

Internet Home Page: www.broadcasttools.com
E-mail: support@broadcasttools.com

**THANK YOU FOR CHOOSING
BROADCAST TOOLS® BRAND PRODUCTS!**

Designed, Assembled and Tested in Washington State, USA.



Broadcast Tools is a Veteran Owned Business



CAUTION!

Broadcast Tools® Products, as with any electronic device, can fail without warning. Do not use this product in applications where a life threatening condition could result due to failure.

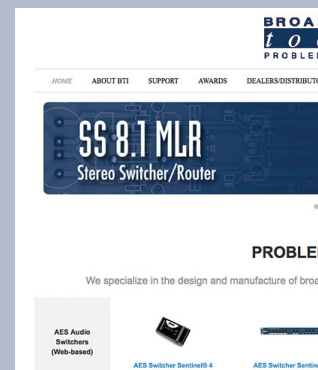


NOTE:

This manual should be read thoroughly before installation and operation.

WEBSITE:

Visit our web site for product updates and additional information.



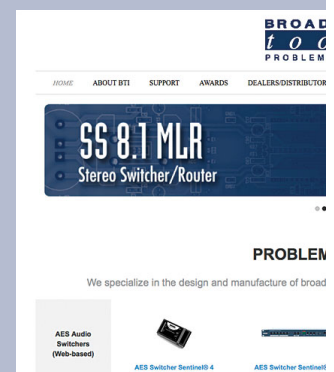
INTRODUCTION

PRODUCT DESCRIPTION

Here's another problem solver from Broadcast Tools for the XDS Pro and other compatible satellite receivers! The Connect O' Adapter 37 XDS/RJ, (COA-37 XDS/RJ), provides an effective way to convert DB-37M relay output ports on a satellite receiver to RJ45 jacks/Cat5 cables. The COA-37 XDS/RJ is designed to plug directly into the male 37-pin D-Sub connector on a XDS Pro Relay Module. Mounting screws are provided.

WEBSITE:

Visit our web site for product updates and additional information.



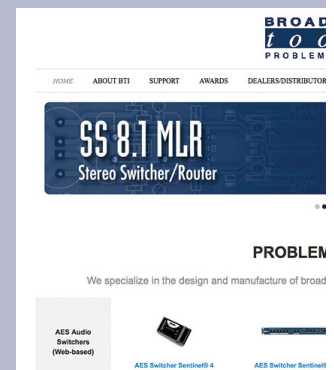
DESCRIPTION

INSTALLATION

- Step 1: Plug the 37-pin female D-sub connector on the COA-37 XDS/RJ into the desired “Relay x” (x = port) connector on the rear panel of the satellite receiver.
- Step 2: Tighten the two 4–40 mounting screws on the COA’s 37-pin D-sub connector’s mounting ears, securing the COA-37 XDS/RJ to the receiver’s mating connector.
- Step 3: Connect the user-supplied Cat5 cabling to the relay jacks on the COA-37 XDS/RJ labelled:
- “J2 K1-K4” Relays 1-4
 - “J3 K5-K8” Relays 5-8
 - “J4 K9-K12” Relays 9-12
 - “J5 K13-16” Relays 13-16
- Step 4: Connect the other end of the Cat5 cabling to the destination device such as the Broadcast Tools GPI-16 Plus/RJ USB/Serial GPI interface, or into a user-supplied punch block.

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Relay Connector Pinouts

Output Jack 1-4 Pinout (J2):

Relays:	Wire Pair:	RJ45 Pins:
K1A	White/Orange	1
K1B	Orange/White	2
K2A	White/Green	3
K2B	Green/White	6
K3B	White/Blue	5
K3A	Blue/White	4
K4A	White/Brown	7
K4B	Brown/White	8

Output Jack 9-12 Pinout (J4):

Relays:	Wire Pair:	RJ45 Pins:
K9A	White/Orange	1
K9B	Orange/White	2
K10A	White/Green	3
K10B	Green/White	6
K11B	White/Blue	5
K11A	Blue/White	4
K12A	White/Brown	7
K12B	Brown/White	8

Output Jack 5-8 Pinout (J3):

Relays:	Wire Pair:	RJ45 Pins:
K5A	White/Orange	1
K5B	Orange/White	2
K6A	White/Green	3
K6B	Green/White	6
K7B	White/Blue	5
K7A	Blue/White	4
K8A	White/Brown	7
K8B	Brown/White	8

Output Jack 13-18 Pinout (J5):

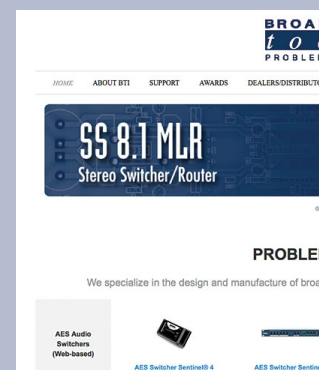
Relays:	Wire Pair:	RJ45 Pins:
K13A	White/Orange	1
K13B	Orange/White	2
K14A	White/Green	3
K14B	Green/White	6
K15B	White/Blue	5
K15A	Blue/White	4
K16A	White/Brown	7
K16B	Brown/White	8

RS232 Serial NetCue Data

The XDS Pro receiver's Relay Ports include RS232 serial "NetCue" data on pins 15 "TX/DATA" and 10 "GND", these RS232 serial pins are broken out by the COA-37 XDS/RJ to the E1 and E2 solder pads on the top of the COA-37 PCB, labelled "GND" and "DATA" respectively.

WEBSITE:

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INSTALLATION

LIMITED WARRANTY

The term “Buyer” as used in this document refers to and includes both (but only) (a) any person or entity who acquires such an item for the purpose of resale to others (i.e., a dealer or distributor of an item), and (b) the first person or entity who acquires such an item for such person’s or entity’s own use.

Broadcast Tools warrants to each Buyer of any item manufactured by Broadcast Tools that the item will be free from defects in materials and workmanship at the time it is shipped by Broadcast Tools if the item is properly installed, used and maintained.

EXCLUSIVE REMEDIES

If Broadcast Tools is notified, in writing, of a failure of any item manufactured by Broadcast Tools to conform to the foregoing Limited Warranty within one (1) year following the date of the Buyer’s acquisition of the item, and if the item is returned to Broadcast Tools in accordance with Broadcast Tools’ instructions for confirmation by inspection of the defect (which at Broadcast Tools’ election may include, without limitation, a requirement that the Buyer first obtain a Return Authorization number from Broadcast Tools, that the Buyer furnish proof of purchase in the form of an invoice and/or receipt, and that the Buyer prepay all freight charges associated with any return of the item to Broadcast Tools using such freight service as Broadcast Tools reasonably may specify), Broadcast Tools will repair or replace the defective item, or will refund the purchase price paid by the Buyer for the item. Broadcast Tools shall have the exclusive right to choose between these alternative remedies.

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Broadcast Tools® COA-37 XDS/RJ

Component Layout

