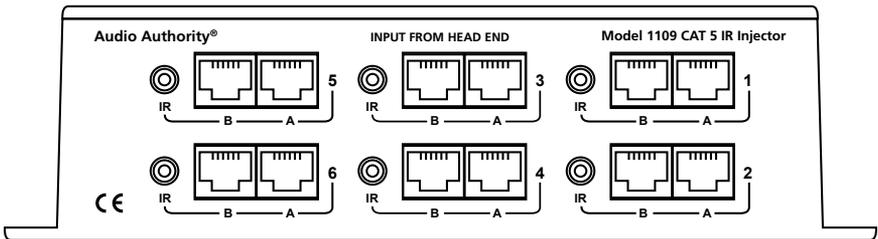


User Manual

Model 1109 Infrared Injector



Audio  Authority®

Model 1109

Infrared Injector for

AVatrix™ HD Home Theater Routing Systems

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WARNINGS

- Read these instructions before installing or using this product.
- To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.
- This product must be installed by qualified personnel.
- Do not open the cover—there are no user-serviceable parts inside.
- Do not expose this unit to excessive heat.
- Install only in dry, indoor locations.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. Audio Authority 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 of the hardware to check that it is suitable for his/her 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.

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1.0 INTRODUCTION

Thanks for purchasing this Model 1109 Infrared Injector from Audio Authority. The 1109 is an IR breakout device for up to six Audio Authority Cat 5 Wallplate receivers. This product is designed to allow any wired IR device to send signals to or receive signals from IR devices plugged into the Wallplate receivers used in AVAtrix or SixDrive. The Model 1109 is not recommended for currents more than 200mA.

When installed in-line between an 1170, 1171 or 1176 audio/video matrix and its six Wallplates, the IR jack on each Wallplate is hard-wired to a corresponding jack on the Model 1109. These jacks are isolated from all other system wiring and can therefore be used for any kind of low speed signal suited for Category 5 cable conductors. The Model 1109 is compatible with any Audio Authority A/V Cat 5 Wallplate, including Models 9878, 9879 and 9880. Each Wallplate IR pathway operates independently, so one pathway could be set up for in-coming IR signals and another pathway in the same system could be set up for out-going IR signals.

Audio Authority also offers an extensive line of audio and video switchers, converters, and distribution amps available for purchase online at www.audioauthority.com or through authorized dealers.

1.2 FEATURES

- Injects or extracts IR signals from Cat 5 Wallplate bus
- Passive device, requires no power source
- Works with Cat 5 outputs from AVAtrix™ and SixDrive™ (Models AVX-561, AVX-661, 1170, 1171, and 1176)
- Works with any Audio Authority Cat 5 receiver including Models 9878, 9879, and 9880
- Each Wallplate IR pathway operates independently

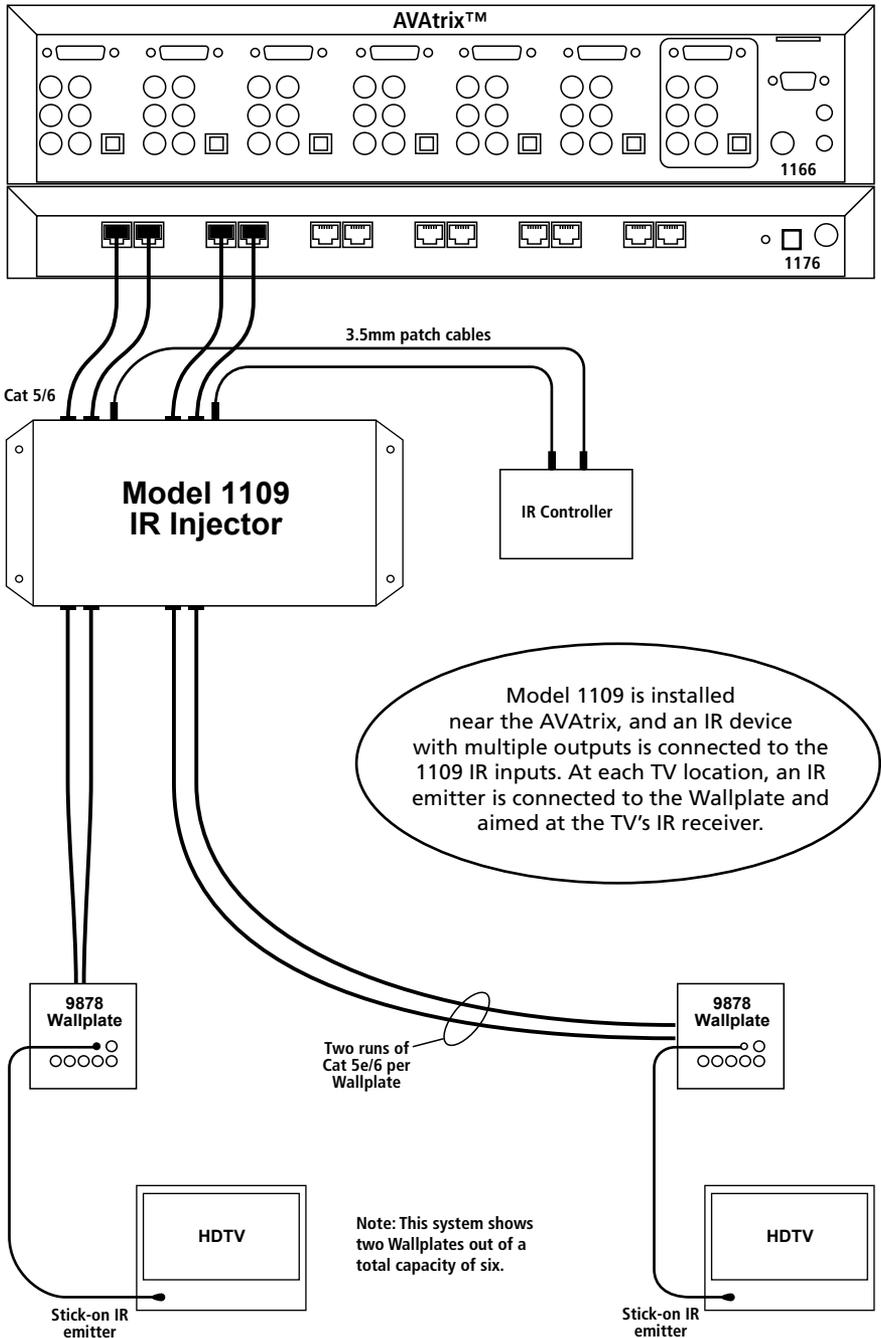
2.0 CHECKING PACKAGE CONTENTS

The following items are contained in the shipping carton:

- 1109 IR Injector
- User Manual

Note: Please keep the original packing material in case the unit ever needs to be returned. If you find any items are missing, contact Audio Authority immediately. Have the serial number and invoice available for reference when you call.

Typical Application: The AVatrix is connected to six TVs (only two TVs are shown) in a building where the power is turned off at night. Each morning an IR device is used to automatically turn on the TVs.



3.0 INSTALLATION

- Place the Model 1109 near the AVAtrix to be served and connect each numbered Cat 5/6 port on the AVAtrix to the same-numbered Input port on the 1109, using short Cat 5 patch cords.
- Connect the numbered Output ports to the Wallplates, following the AVAtrix installation instructions regarding Category 5/6 cable selection, termination, and routing.
- Always test each patch cord and cable with a professional network cable tester before plugging it into the AVAtrix or Wallplates. Continuity testing is not adequate. Cables must have the correct pairing or damage could result. Use either EIA-568A or EIA-568B conductor pairing throughout the system.
- Plug the head end IR device(s) into the 3.5mm IR Input jacks.
- Plug the IR devices at the TV locations into the Wallplate IR jacks

3.1 APPLICATIONS

A typical installation is pictured, in which an IR controller sends serial data out to an IR emitter at the Wallplate location. In this example, IR signals are sent by a controller located in the equipment closet to a television at a remote Wallplate.

Many other uses are possible, since the 3.5mm jacks at each pair of endpoints are connected together as if they were a discrete patch cable. The 1109 may be used to route IR signals from the head end out to the Wallplates, or from the Wallplates back into the head end. Multiple 1109 IR Injectors may be used in one system to serve up to 36 Wallplates.

4.0 TROUBLESHOOTING

- If signals are getting lost between the matrix and Wallplates or if the IR path isn't operating correctly, check the integrity of the Category cables and the wiring of their plugs and check that cables are plugged into the correct jacks.
- If a problem persists contact the Audio Authority Technical Service department via email: support@audioauthority.com, or call 800-322-8346 or 859-233-4599.

5.0 LIMITED WARRANTY

Should any consumer product from Audio Authority fail due to defects in materials or workmanship within one year from the date of the original sale to the end-user, Audio Authority guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by Audio Authority (ground service only). A copy of the invoice showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer. Units returned for repair must have a Return Authorization Number assigned by the factory.

This is a limited warranty and is not applicable for products which, in our opinion, have been damaged, altered, abused, misused, or improperly installed. Audio Authority makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.

5.1 WARRANTY SERVICE PROCEDURES

If you suspect a product defect, contact Audio Authority's Technical Service Department at **800-322-8346** or **859-233-4599** for assistance in verifying the problem. If a defect or potential defect is suspected, a replacement unit will be shipped immediately on a defect-exchange basis and a Return Authorization Number will be issued for the return of the defective product. Replacement units are sent out at the Manufacturer's Suggested Retail Price which is debited to the Customer's Credit Card at the time of shipment. Once we receive the defective unit back at the factory, it will be evaluated under the conditions of this warranty and if found to be in-warranty, a full credit will be issued to the Customer's Credit Card. Return freight charges for the defective unit are the customer's responsibility. Please contact our Technical Service Department for complete details concerning all in and out of warranty service matters.

We appreciate your confidence in our products and services and will always strive to meet or exceed your needs.

6.0 REGULATORY COMPLIANCE

The 1109 is certified to be in compliance with appropriate CE rules and regulations.

7.0 CONTACT INFORMATION

If you have questions or require assistance with this product in areas not covered by this manual, please contact Audio Authority using the information below.

Audio Authority Technical Service
800-322-8346 M-F 8:30 AM to 5:00 PM, EST
International: 859-233-4599 Fax: 859-233-4510
Send email to: support@audioauthority.com

Audio Authority Corporation
2048 Mercer Road
Lexington, Kentucky 40511-1071
USA

Audio  Authority[®]

2048 Mercer Road, Lexington, Kentucky 40511-1071

Phone: 859/233-4599 • Fax: 859/233-4510

Customer Toll-Free USA & Canada: 800/322-8346

Website: <http://www.audioauthority.com>