

# Audiovox Specialized Applications, LLC

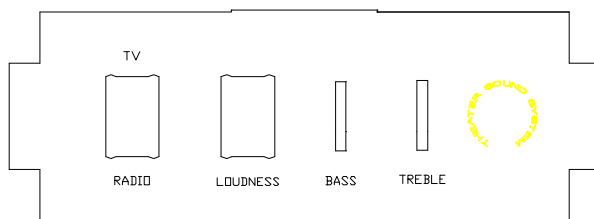
## *Theater Sound System*

### RB-3600

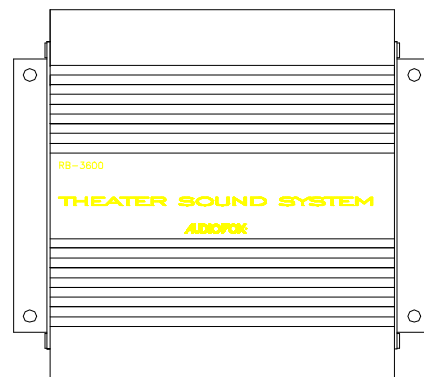
#### RB-3600 features:

- TV input
- Dual 18-watt amplifiers deliver the highest fidelity audio for your mobile video system
- Uses existing dash-radio speaker systems, no extra speakers to purchase
- Separate bass and treble controls to custom tailor the sound
- Loudness switch
- Control panel
- Switches speakers between radio or RB-3600
- Gain control to match audio levels between radio, TV and RB-3600
- Easier installation, no need to get inside the dashboard
- Transformer isolated TV input reduces ground induced hum
- Automotive grade locking connectors
- Illuminated control panel
- External automotive-type 5-ampere fuse
- Interface harnesses for some vehicles are available from Audiovox Specialized Applications, LLC. These simply plug into the OEM speaker harness. No cutting/splicing is necessary.

**Control Panel**



**Amplifier/Equalizer Module**



Theater Sound System

# RB-3600 INSTALLATION MANUAL

## IMPORTANT:

The Audiovox RB3600 Theater Sound System has been carefully designed to provide years of trouble-free operation. Please read this manual carefully. This manual contains instructions to simplify installation and operation. This unique audio product recreates the theater sound experience inside a van or RV. It is a cost effective solution to poor TV-audio. The RB3600 uses the existing stock vehicle speakers for easier installation--no separate video speakers are required. Installation does not require getting behind the dashboard. The RB3600 ties into the existing vehicle sound harness and with a bypass switch it directs the speakers to either the dash radio or the audio/video system. The optional wall-mount control panel has bass and treble equalizer controls as well as a loudness switch to tailor the sound to the desired level. If the control panel is not wanted then a trigger switch is required to toggle between the radio and the RB3600 Theater Sound System. The RB3600 has two 18-watt power amplifiers that deliver solid, theater quality sound with full fidelity. An isolation transformer is provided to connect between the VCP audio output and the TV audio input. This transformer reduces ground induced hum and makes the listening experience more enjoyable.

## CONTENTS OF 1 COMPLETE SYSTEM:

- 1 - Amplifier/Equalizer module
- 1 - Control panel with bass, treble and loudness controls and TV/radio switch
- 1 - 6 meter cable (10-pin)
- 1 - 1 meter cable (8-pin)
- 1 - 1 meter cable (4-pin)
- 1 - Isolation transformer
- 1 - Operation/Installation manual
- 1 - Optional OEM interface harness available from Audiovox Specialized Applications, LLC

## BEFORE INSTALLATION:

1. This system operates from 10 to 16 volts DC, negative ground.
2. Please install this system according to the instructions in this manual.
3. Do not disassemble the amplifier module or control panel.
4. Connect the system to an ignition switched power source. Connection to the battery will reduce battery life.
5. **Interface harnesses for some vehicles are available from Audiovox Specialized Applications, LLC. These simply plug into the OEM speaker harness. No cutting/splicing is necessary.**

## Theater Sound System

# INSTALLATION AND WIRING INSTRUCTIONS

## AMPLIFIER MODULE

Mount the amplifier module in a location that is conveniently accessible to the rear speaker wiring harness. It is these wires the RB-3600 interrupts. It is not necessary to mount the amplifier module close to the television. Connect one end of the 10-pin cable assembly to the amplifier module.

Cut the wires to the rear radio speakers. Connect the rear speaker(s) as follows:

Left rear speaker(s)	+	: white wire on 4-pin connector
Left rear speaker(s)	-	: violet wire on 4-pin connector
Right rear speaker(s)	+	: blue wire on 4-pin connector
Right rear speaker(s)	-	: green wire on 4-pin connector

The optional interface harness, that is available for some vehicles, will simply plug into the OEM speaker harness. No cutting/splicing is necessary.

Connect the dash radio rear amplifier outputs as follows:

Left rear amplifier	+	: gray/white wire on 8-pin connector
Left rear amplifier	-	: gray wire on 8-pin connector
Right rear amplifier	+	: brown/white wire on 8-pin connector
Right rear amplifier	-	: brown wire on 8-pin connector

Connect 12 volt power to the RB-3600 as follows:

+12 volt power		: red wire on 8-pin connector
Ground		: black wire on 8-pin connector

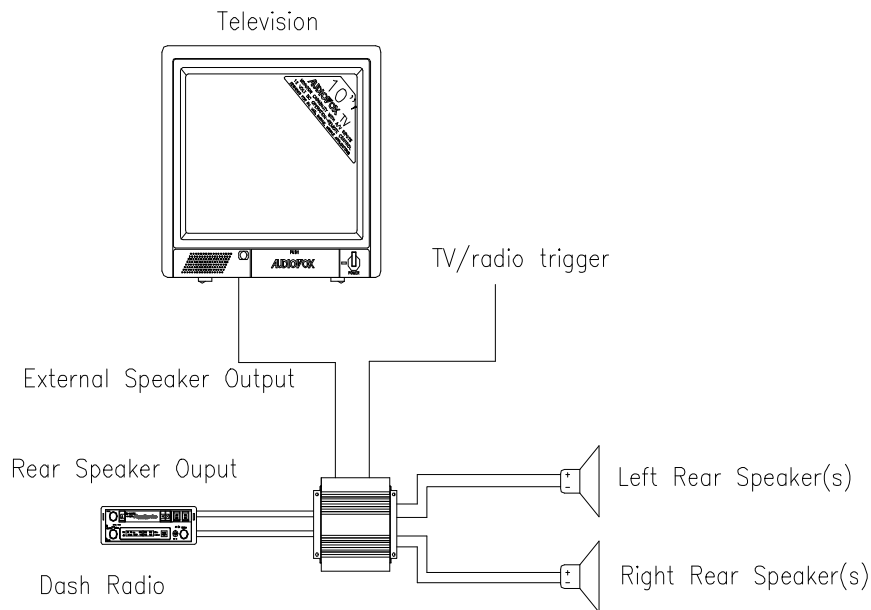
Connect the Audiovox television external speaker output to the RB-3600 as follows:

External speaker output	+	: pink blue wire on 8-pin connector
External speaker output	-	: black/white blue wire on 8-pin connector

Unplug the audio output of the VCP. Connect the isolation transformer as follows:

Isolation transformer male RCA		: to VCP audio output
Isolation transformer female RCA		: to RCA cable that was plugged into the VCP

## Theater Sound System



## RB-3600 System Concept

### OPERATION OF THE RB-3600 THEATER SOUND SYSTEM

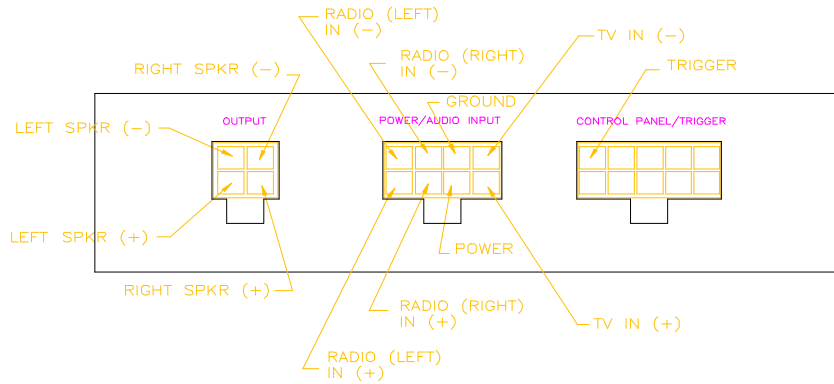
Operation of the RB-3600 is a relatively simple matter. To enjoy the Theater Sound experience in your vehicle, simply turn on the television and set the TV/radio switch on the control panel to the "TV" position. The control panel is in the TV position when the control panel is illuminated. The volume control bar on the television controls the overall volume level of the theater sound. Adjust the bass, treble and loudness switch to preference. Experiment with the equalizer controls to get the maximum benefit from your Theater Sound experience.

When the TV/radio switch is in the "radio" position the radio controls the volume level of the radio. The control is not illuminated when the control panel is in the "radio" position. The RB-3600 has no effect on the radio output. It merely passes it through.

If the driver wants to listen to the radio and the passengers want to listen to the Theater Sound System then set the control panel to the "TV" position and set the radio fader to the front speakers.

## Theater Sound System

## Wire Insertion View



## Specifications

Weight	0.6 lb. 0.73 Kg
Dimensions	6.44"W x 5.75"D x 1.63"H 16.36cm W x 14.61cm D x 4.14cm H
Output Power	23W @ 4Ω x 2 (46W total) THD=10% 30W @ 2Ω x 2 (60W total) THD=10%
Distortion	0.023% @ 4Ω @ 4W
EQ boost/cut	+/- 15dB, shelving-type
Loudness boost	+6dB boost
Current Draw	485 mA triggered (TV position) Zero untriggered (Radio position)

Theater Sound System

## Accessory List

Description	Part Number
AVT-988 9" Color Television with Remote (12V)	AVT988
AVT-597 5" Color Television with Remote (12V)	AVT597
AVT-1498 13" Color Television with Remote (12V)	AVT1498
AVP-7000 Video Cassette Player (12V)	AVP7000
AVP-7285 Video Cassette Player (12V)	AVP7285
Wireless Headphone Kit: Includes 2 sets Wireless Headphones and Transmitter	WRFKIT1
BPA-501-12 4 Amp Adapter for use with AVT-988 9" and AVT-1498 13" Televisions	0891412
AC2A- 2 Amp Adapter for use with AVT-597 5" TV and AVP-7000 Video Cassette Player	0891436
Unified Remote Control	0892325
VAC-21- 12 Volt Corded Vacuum	VAC21
AVF-1 12 Volt Rechargeable Flashlight	AVF1
HP-175 Headphones with Pivoting Ear Cup	HP175
HP-275 Headphones with Volume Control on Cord	HP275
HP-375 Studio Quality Headphones	HP375

Unlike household electronics, all of our products have been specifically designed and tested for the mobile environment and are only available through ASA. To order any of these products, please contact Audiovox Specialized Applications at [www.asaelectronics.com](http://www.asaelectronics.com) or 800-688-3135.

## Theater Sound System

## Service and Warranty Information

In the unlikely event that this product requires service or repair, call Audiovox Specialized Applications, LLC at (219) 264-3135 and **request a Return Authorization (RA) order number**. Customer service will ask you for the **model number**. Send the unit, pre-paid, to Audiovox Specialized Applications, LLC, 23319 Cooper Drive, Elkhart IN, 46514. Please include a short description of the problem to assist the Service Technicians to quickly repair your product.

### LIMITED WARRANTY

Audiovox Specialized Applications, LLC warrants that this product will be free from defects in materials and workmanship for a specified period from the date of purchase. For information on that length of period, consult your vehicle dealer. If this product proves defective during the warranty period, Audiovox Specialized Applications, LLC, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement for the defective product.

In order to obtain service under this warranty, the Customer must notify Audiovox Specialized Applications, LLC of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. An RA (Return Authorization) number is required for product returns. Customer shall be responsible for packaging and shipping the defective product to Audiovox Specialized Applications, LLC, with shipping charges prepaid. Audiovox Specialized Applications, LLC shall pay for the return of the product to Customer if the shipment is to a location within the USA. The Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper care. Audiovox Specialized Applications, LLC shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than Audiovox Specialized Applications, LLC representatives to install, repair or service this product; b) to repair damage resulting from improper use or connection to incompatible equipment; or c) to service a product that has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty of servicing the product.

**AUDIOVOX SPECIALIZED APPLICATIONS, LLC RESPONSIBILITY TO REPAIR OR REPLACE DEFECTIVE IS THE SOLE AND EXCLUSIVE REMEDY PROVIDED TO THE CUSTOMER FOR BREACH OF THIS WARRANTY. AUDIOVOX SPECIALIZED APPLICATIONS, LLC AND ITS VENDORS WILL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER AUDIOVOX SPECIALIZED APPLICATIONS, LLC OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.**

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Revision C  
12/00

# Theater Sound System