

Linear Series RV6400S

Linear Series RV6400S RV Stereo Receiver User Manual

Model: RV6400S

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Linear Series RV6400S RV Stereo Receiver. Please read this manual thoroughly before using the product to ensure proper function and safety. The RV6400S is designed to provide a comprehensive entertainment experience in your RV, featuring a touch screen interface, AM/FM radio, AUX, USB, and Bluetooth connectivity, along with 3-zone audio control.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the unit:

- Do not expose the unit to moisture or water.
- Ensure proper ventilation around the unit to prevent overheating.
- Only use the specified power supply (12V DC).
- Disconnect power before performing any installation or maintenance.
- Consult a qualified technician for installation if you are unsure.

PRODUCT OVERVIEW

The Linear Series RV6400S is an advanced RV stereo receiver designed for optimal audio performance and user convenience. Key features include:

- **Powerful Audio Output:** 4 x 45W for A/B speakers and 2 x 25W for additional output, supporting flexible speaker configurations.
- **Sleek Touchscreen Interface:** An 8" x 5" display with adjustable backlighting for intuitive control.
- **App Control:** Dedicated application for remote control of all audio functions.
- **Comprehensive Entertainment:** AM/FM radio (USA/EURO tuning), Bluetooth A2DP streaming with AVRCP, USB media playback (MP3, WMA, MPEG2/4, AVI).
- **Multiple Connectivity Options:** Various input/output options, including a dedicated subwoofer output.
- **RV-Specific Design:** Sunlight-readable LCD, automotive antenna jack, and chassis-based alarm clock.

- **Standard Single DIN Chassis:** Facilitates easy installation.

Front Panel Controls and Display



Figure 1: Front panel of the RV6400S receiver, displaying the touch screen with active radio frequency and various function icons such as ALL MUTE, ZONE, AM/FM, AUX, USB, BT, DIM, DISP, and numeric presets.



Figure 2: Angled view of the RV6400S receiver, highlighting its compact design and the touch screen interface when powered off.

Rear Panel Connections



Figure 3: Rear panel of the RV6400S, illustrating the array of RCA audio/video inputs and outputs, HDMI port, and the main wiring harness connector with a clear wiring diagram for speaker and power connections.



Figure 4: Angled rear view of the RV6400S, providing a better perspective of the chassis depth and the arrangement of the various input/output ports.

SETUP AND INSTALLATION

The RV6400S is designed for easy integration into your RV's electrical system. It features a standard single DIN chassis for straightforward mounting.

Package Contents



Figure 5: The complete package contents for the RV6400S, showing the main receiver unit, a remote control, the necessary wiring harness, the operation/installation manual, and a small bag of mounting screws.

Verify that all items are present in the package:

- RV6400S Receiver Unit
- Remote Control
- Wiring Harness
- Operation/Installation Manual
- Mounting Screws

Installation Steps

1. **Prepare Mounting Location:** Ensure the mounting location is a standard single DIN opening and has sufficient depth (Product Dimensions: 2.5 x 8.6 x 5 inches).
2. **Disconnect Power:** Before making any electrical connections, disconnect the RV's 12V power supply to prevent short circuits.
3. **Wire Connections:** Refer to the wiring diagram on the rear of the unit (Figure 3) and the included wiring harness. Connect the power (12V DC), ground, speaker wires (A, B, C zones), and any auxiliary inputs/outputs as required.
4. **Mount the Unit:** Secure the RV6400S into the single DIN opening using the provided mounting screws.
5. **Reconnect Power:** Once all connections are secure and the unit is mounted, reconnect the 12V power supply.
6. **Initial Power On:** Power on the unit and perform a basic function check.

For detailed wiring instructions, consult the included Operation/Installation Manual.

OPERATING INSTRUCTIONS

The RV6400S features an intuitive touchscreen interface and can also be controlled via a dedicated mobile application.

Basic Operation

- **Power On/Off:** Press the power icon on the touchscreen or remote control.
- **Volume Control:** Use the '+' and '-' icons on the touchscreen or volume buttons on the remote.
- **Source Selection:** Tap the desired source icon (AM/FM, AUX, USB, BT) on the right side of the touchscreen.
- **Zone Control:** Use the 'ZONE' button to cycle through speaker zones A, B, and C, or to activate/deactivate them.
- **Display Settings:** Use 'DIM' to adjust display brightness and 'DISP' to change display information.

Radio Operation (AM/FM)

- **Tuning:** Use the '<<' and '>>' icons to manually tune or seek stations.
- **Presets:** Store favorite stations by pressing and holding a numeric preset button (1-6). Tap to recall.
- **USA/EURO Tuning:** The unit supports both USA and European tuning standards. This setting can typically be adjusted in the system menu.

Bluetooth Operation

- **Pairing:** Select 'BT' source. On your mobile device, search for "RV6400S" and pair.
- **Audio Streaming:** Once paired, audio from your device will stream to the receiver. Use the touchscreen or remote for playback controls (play/pause, skip track).
- **AVRCP Support:** Allows control of media playback directly from the receiver.

USB Media Playback

- **Connect USB Device:** Insert a USB drive into the front USB port.
- **Supported Formats:** The unit supports MP3, WMA, MPEG2/4, and AVI files.
- **Navigation:** Use the touchscreen controls to browse folders and select media files.

App Control

Download the dedicated control app from your device's app store. The app provides full remote control functionality for all audio features, mirroring the touchscreen interface.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RV6400S receiver.

- **Cleaning:** Use a soft, dry cloth to clean the touchscreen and exterior. For stubborn marks, slightly dampen the cloth with water. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.
- **Connections:** Periodically check all wiring connections at the rear of the unit to ensure they are secure.
- **Software Updates:** Check the manufacturer's website (Magnadyne) for any available firmware updates that may improve performance or add features.

TROUBLESHOOTING

If you encounter issues with your RV6400S, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Loose power connection; Blown fuse; RV's 12V supply off.	Check power wiring; Replace fuse (refer to manual for fuse location/type); Ensure RV's main power is on.
No Sound	Volume too low; Mute activated; Incorrect source selected; Loose speaker wires; Speaker zone off.	Increase volume; Deactivate mute; Select correct source; Check speaker connections; Activate desired speaker zone.
Bluetooth Pairing Failure	Device too far; Bluetooth not enabled on device/receiver; Incorrect pairing procedure.	Move device closer; Ensure Bluetooth is active on both; Re-attempt pairing as per "Bluetooth Operation" section.
USB Playback Issues	Unsupported file format; Corrupt USB drive; USB drive not properly inserted.	Ensure files are MP3, WMA, MPEG2/4, or AVI; Try a different USB drive; Reinsert USB drive firmly.
Touchscreen Unresponsive	Temporary software glitch; Unit needs reset.	Power cycle the unit (turn off, then on); Locate the 'RESET' button (often a small pinhole, see Figure 1) and press with a thin object.

If the problem persists after attempting these solutions, please contact customer support.

SPECIFICATIONS

Detailed technical specifications for the Linear Series RV6400S RV Stereo Receiver:

Feature	Detail
Model Number	RV6400S
Product Dimensions	2.5 x 8.6 x 5 inches
Item Weight	3 pounds
Manufacturer	Magnadyne
Country of Origin	China
Power Supply	12V DC
Audio Output	4 x 45W (A/B speakers), 2 x 25W (additional output)
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1 (Note: This might refer to internal processing or compatibility, not necessarily 5.1 discrete outputs for all zones)
Connectivity Technology	Bluetooth
Special Features	Built-In Bluetooth, AUX-USB Ready, Touch Screen, 3-Zone Control
Compatible Devices	Smartphone
Total HDMI Ports	1

Feature	Detail
Connector Type	HDMI
Video Encoding	H.264, MPEG-4

Warranty Information

This product is manufactured by Magnadyne. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Magnadyne website. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Magnadyne customer support. Contact information can typically be found in the included manual or on the manufacturer's official website:

Manufacturer: Magnadyne

Brand: Linear Series

Website: www.magnadyne.com

Please have your model number (RV6400S) and purchase date ready when contacting support.

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Ask a Question About This Manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

