

Rugged Radios RRP696PLUS

Rugged Radios RRP696 Plus In-Car Voice Activated Communications Intercom User Manual

Model: RRP696PLUS

1. INTRODUCTION AND OVERVIEW

The Rugged Radios RRP696 Plus is an advanced in-car voice-activated communications intercom system designed for clear communication and high-fidelity audio in demanding environments. It features an upgraded Bluetooth module for seamless wireless music streaming and phone call management. This system is engineered to provide reliable performance, even in vehicles with high-noise electrical systems, thanks to its advanced interference shielding.



Front view of the Rugged Radios RRP696 Plus Intercom, showing the volume/VOX knob, Bluetooth controls, and model number.

2. PACKAGE CONTENTS

Verify that all items are present in your RRP696 Plus package:

- RRP696 Plus Intercom Unit
- Power Cord
- Mounting Bracket and Hardware

Note: Headsets and intercom cables are sold separately and are required for full system functionality.

Power Cord and Hardware Are Included



Included power cord and mounting brackets for installing the RRP696 Plus Intercom.

Intercom Cables Sold Separately



Offroad straight Cable to Intercom

- #CS-OFF-1 - 1' Cable
- #CS-OFF-2 - 2' Cable
- #CS-OFF-6 - 6' Cable
- #CS-OFF-9 - 9' Cable
- #CS-OFF-12 - 12' Cable
- #CS-OFF-16 - 16' Cable
- #CS-OFF-22 - 22' Cable



Direct Headset to Intercom Straight Cable

- #CS-5P-3 - 3' Cable
- #CS-5P-12 - 12' Cable
- #CS-5P-16 - 16' Cable

Examples of optional intercom cables, including offroad straight cables and direct headset to intercom straight cables, available for separate purchase.

3. SETUP AND INSTALLATION

3.1 Mounting the Intercom

1. Select a secure and accessible location within your vehicle for the intercom unit.
2. Use the provided mounting bracket and hardware to firmly attach the intercom. Ensure it is positioned to avoid interference with vehicle operation.

3.2 Power Connection

1. Connect the supplied power cord to the intercom unit.
2. Connect the other end of the power cord to a 12V DC power source in your vehicle. Ensure proper polarity (red to positive, black to negative).
3. It is recommended to connect the power through a switched circuit to prevent battery drain when the vehicle is off.

3.3 Connecting Headsets and Radio

The RRP696 Plus supports up to 5 seats (Driver, Co-Driver, and 3 Crew). Use appropriate intercom cables (sold separately) to connect your headsets and two-way radio.

1. Connect the Driver and Co-Driver headsets to their respective ports.
2. Connect additional crew headsets to the 'CREW' ports as needed.
3. Connect your two-way radio to the 'RADIO' port.
4. Ensure all connections are secure to prevent signal loss or interference.



Rear view of the RRP696 Plus Intercom, illustrating the various ports for driver, co-driver, radio, and crew headsets, along with PTT and auxiliary output connections.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The intercom powers on automatically when connected to a switched 12V power source. There is no separate

power button on the unit.

4.2 Volume and VOX Control

The RRP696 Plus features an ergonomic volume and VOX (Voice Activated) control knob. Rotate the knob to adjust the overall volume for all connected headsets. The VOX setting determines the sensitivity of the voice activation for communication. Adjust it so that your voice activates the microphone without picking up excessive background noise.

4.3 Bluetooth Connectivity

The intercom includes an upgraded Bluetooth module for high-fidelity music streaming and hands-free phone calls.

1. **Pairing:** Ensure your mobile device's Bluetooth is enabled. On the RRP696 Plus, press and hold the Bluetooth pairing button (often indicated by a Bluetooth symbol) until the indicator light flashes, signifying pairing mode. Select 'RUGGED' or 'RRP696 Plus' from your device's Bluetooth list.
2. **Music Playback:** Once paired, you can stream music from your device. Use the intercom's dedicated music control buttons (Play/Pause, Skip Forward, Skip Back) to manage playback.
3. **Phone Calls:** When a call comes in, the music will mute, and you can answer the call through your headset.



An image demonstrating the Bluetooth pairing process between a mobile phone and the RRP696 Plus Intercom, showing 'RUGGED' as a connected device.

4.4 Intercom Communication

The voice-activated system allows for clear communication between all connected passengers. Adjust the VOX setting to ensure your voice triggers the microphone effectively without constant activation from background noise.

4.5 Audio Output

The 3.5mm audio output allows for integration with external sound systems or in-car audio recording devices. Connect a standard 3.5mm audio cable from the intercom's AUX OUT port to your desired external audio input.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the intercom. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections for tightness and signs of wear. Loose connections can lead to audio issues.

- **Storage:** If storing the vehicle for an extended period, disconnect the intercom from the power source.

6. TROUBLESHOOTING

- **No Power:** Ensure the power cord is securely connected to both the intercom and a functional 12V power source. Check vehicle fuses.
- **No Audio/Intermittent Audio:** Verify all headset and radio cables are fully seated in their respective ports. Check headset functionality. Adjust volume and VOX settings.
- **Bluetooth Not Connecting:** Ensure the intercom is in pairing mode and your device's Bluetooth is on. Try unpairing and re-pairing the device. Ensure no other devices are actively connected to the intercom via Bluetooth.
- **Excessive Noise/Hum:** Check for proper grounding of the intercom and radio. Ensure power connections are clean and secure. In some vehicles, external noise filters may be necessary to mitigate electrical interference.
- **VOX Not Activating:** Increase the VOX sensitivity by adjusting the VOX knob. Ensure your microphone is positioned correctly.

7. SPECIFICATIONS

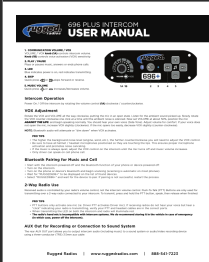
Product Dimensions	6 x 5 x 1.5 inches
Item Weight	1.1 pounds
Model Number	RRP696PLUS
Connectivity Technology	Auxiliary, Bluetooth
Controller Type	Hand Control
Special Feature	Built-In Microphone (via connected headsets)
Compatible Devices	Smartphone, Speaker (via AUX out)
Total HDMI Ports	5 (This likely refers to the 5 headset ports, not HDMI standard)
Connector Type	3.5mm Jack, USB (for charging/data, not primary audio)
Audio Output Mode	Stereo
Color	Black

8. WARRANTY AND SUPPORT

Specific warranty details for the Rugged Radios RRP696 Plus Intercom are not provided in the available product data. For warranty information, technical support, or service inquiries, please contact Rugged Radios directly through their official website or customer service channels.

You can visit the [Rugged Radios Store on Amazon](#) for more product information and contact details.

Related Documents - RRP696PLUS



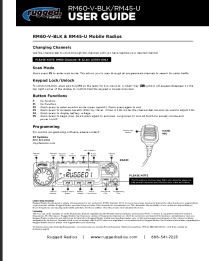
[Rugged Radios 696 Plus Intercom User Manual](#)

User manual for the Rugged Radios 696 Plus Intercom system, detailing operation, Bluetooth pairing, radio use, and mounting instructions.



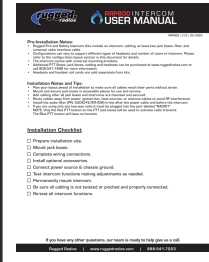
[Rugged Radios 686 Intercom User Manual](#)

User manual for the Rugged Radios 686 Intercom, covering operation, VOX adjustment, 2-way radio use, and Bluetooth connectivity.



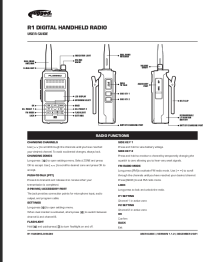
[Rugged Radios RM60-V-BLK/RM45-U Mobile Radios User Guide](#)

Comprehensive user guide for Rugged Radios RM60-V-BLK and RM45-U mobile radios, covering channel selection, scan mode, keypad lock, button functions, programming, and licensing information.



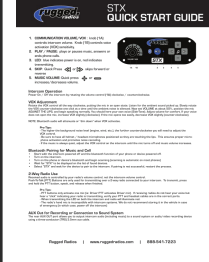
[Rugged Radios RRP800 Intercom User Manual and Configurations](#)

Comprehensive user manual and configuration guide for the Rugged Radios RRP800 Intercom system, detailing installation, operation, troubleshooting, and system configurations for 2, 4, and 6-person setups.



[Rugged Radios R1 Digital Handheld Radio User Guide | Features, Operation, and Safety](#)

Comprehensive user guide for the Rugged Radios R1 Digital Handheld Radio. Learn about its features, functions, channel management, PTT operation, side key functions, FM radio mode, and safety guidelines including RF exposure and licensing information for occupational use.



[Rugged Radios STX Quick Start and Installation Guide](#)

Comprehensive guide to installing and operating the Rugged Radios STX stereo intercom system, covering controls, Bluetooth pairing, 2-way radio integration, mounting, and power connection.