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- › **PCI Race Radios /**
- › PCI Race Radios Trax Plus Ultimate 4 Seater Communication Kit with DSP Upgrade (Model 2580) User Manual

PCI Race Radios 2580

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INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your PCI Race Radios Trax Plus Ultimate 4 Seater Communication Kit with DSP Upgrade, Model 2580. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

PRODUCT OVERVIEW



Figure 1: PCI Race Radios Trax Plus Ultimate Headset. This image displays a black headset with a microphone boom, connected to a coiled cable and a power adapter. The "TRAX" logo is visible in the upper right corner.

The Trax Plus Ultimate 4 Seater Communication Kit is designed for clear and reliable communication in demanding environments. It includes components necessary for a 4-seater setup, featuring a Digital Signal Processing (DSP) upgrade for enhanced audio quality.

SETUP AND INSTALLATION

Included Components:

- 4 x 50ft RCA Cables
- 1 x 3.5mm Jack (for auxiliary input)
- 2 x 6 Pin XLR Connectors (for specific connections)
- Additional 3.5mm Jacks (as specified in the kit)
- Communication unit (not explicitly listed but implied by "kit")
- Headsets (implied by "4 Seater Communication Kit")

Installation Steps:

1. **Mount the Main Communication Unit:** Securely mount the main communication unit in a central, easily accessible location within the vehicle. Ensure it is protected from excessive moisture and vibration.
2. **Connect Headsets:** Connect each headset to the communication unit using the appropriate cables. Ensure all connections are firm.
3. **Route RCA Cables:** Use the provided 50ft RCA cables to connect the communication unit to other audio sources or components as required by your specific setup. Ensure cables are routed safely, away from moving parts or heat sources.
4. **Auxiliary Device Connection:** If using external audio devices (e.g., music player, phone), connect them to the

communication unit using the 3.5mm jacks.

5. **Power Connection:** Connect the communication unit to a suitable 12V power source in your vehicle. Refer to your vehicle's manual for safe power tap points.
6. **Initial Power On:** Once all connections are secure, power on the communication unit.

Note: Professional installation is recommended for complex setups or if you are unfamiliar with vehicle electrical systems.

OPERATING INSTRUCTIONS

Powering On/Off:

- Locate the power button or switch on the main communication unit.
- Press or toggle to turn the system on. An indicator light may illuminate.
- To power off, press or toggle the switch again.

Volume Control:

- The system features volume control for adjusting audio levels.
- Rotate the volume knob(s) on the communication unit or individual headsets (if applicable) to increase or decrease audio output.
- Adjust to a comfortable listening level for all users.

Using the Microphone:

- Position the microphone boom approximately 1/2 inch from your mouth for optimal voice pickup.
- Speak clearly and at a normal volume.
- Some systems may have a Push-To-Talk (PTT) button. Press and hold the PTT button to transmit, and release to listen.

DSP Upgrade Functionality:

The Digital Signal Processing (DSP) upgrade enhances audio clarity by reducing background noise and improving voice intelligibility. This feature operates automatically to optimize your communication experience.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the communication unit and headsets. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the kit in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly inspect all cables for signs of wear, fraying, or damage. Replace damaged cables immediately to prevent performance issues or safety hazards.
- **Water Resistance:** This product is **Not Water Resistant**. Avoid exposing the communication kit to water, rain, or excessive moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio from headsets.	<ul style="list-style-type: none"> • Power not connected or unit off. • Volume too low. • Loose cable connections. • Faulty headset. 	<ul style="list-style-type: none"> • Ensure unit is powered on and connected to power. • Increase volume using the control knob. • Check all headset and power cable connections. • Test with a different headset if available.
Poor audio quality / Static.	<ul style="list-style-type: none"> • Loose cable connections. • Interference from other electronics. • Microphone not positioned correctly. 	<ul style="list-style-type: none"> • Verify all cable connections are secure. • Ensure proper grounding of the system and vehicle. • Reposition microphone closer to mouth. • Check for damaged cables.
Microphone not transmitting.	<ul style="list-style-type: none"> • Microphone muted or PTT not engaged. • Loose microphone connection. • Faulty microphone. 	<ul style="list-style-type: none"> • Ensure PTT is pressed (if applicable) and microphone is not muted. • Check microphone cable connection to headset/unit. • Test with a different microphone/headset.

SPECIFICATIONS

Brand	PCI Race Radios
Model Number	2580
ASIN	B08H3HTWHB
Color	Black
Number of Channels	128
Frequency Range	30-300 MHz
Special Feature	Full Range, DSP Upgrade
Compatible Devices	Headphones, Two-Way Radios, Headsets
Water Resistance Level	Not Water Resistant
Included Components	4 x 50ft RCA Cables, 1 x 3.5mm Jack, 2 x 6 Pin XLR Connector, additional 3.5mm Jacks

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official PCI Race Radios website or contact their customer service directly. Keep your purchase receipt for warranty claims.