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Pyle PLUTV42CH

Pyle Waterproof Off-Road Speakers with Amplifier - User Manual

Model: PLUTV42CH

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Pyle PLUTV42CH Waterproof Off-Road Speakers with Amplifier. This system is designed to deliver high-quality audio in challenging outdoor environments, including ATVs, UTVs, quads, Jeeps, and boats. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.

Image: The Pyle PLUTV42CH speaker system, showing two black speakers and a silver amplifier unit.

Safety Information

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

- Ensure all power connections are secure and properly insulated to prevent short circuits.
- Do not operate the system if any components are damaged.
- Avoid exposing the amplifier to direct water submersion, despite the speakers being waterproof.
- Install the system in a location that does not obstruct visibility or vehicle operation.
- Consult a professional for installation if you are unsure about any steps.

Image: A boat on water with the Pyle speakers mounted, highlighting the waterproof construction with water droplets on the speaker grille.

What's in the Box

Verify that all components are present before beginning installation:

- (2) 4-inch Marine Speakers
- Compact 2 Channel Marine Amp
- (2) 2 Meters Speaker Wire
- (2) 5.91" x 0.75" x 0.24" -inches Rubber Pads
- (2) 6.5" x 0.75" x 0.08" -inches Rubber Pads
- (4) Butt Connectors (Red Color For A.W.G 16-22)
- RCA-to-AUX 3.5mm Audio Cable
- AUX (3.5mm) Audio Cable

Image: All components included in the Pyle PLUTV42CH package, laid out clearly on a surface with a background of people on a boat.

Product Features

The Pyle PLUTV42CH system boasts a range of features designed for robust outdoor audio performance:

- **Waterproof Rated Speakers:** Designed to withstand marine and off-road conditions.
- **Pro Audio Power Sports Amplifier System Kit:** High-powered output for clear sound.
- **2-Channel Marine Audio Amplifier:** Compact and efficient for outdoor use.
- **Marine Grade Rugged Construction:** Built for durability in harsh environments.
- **Waterproof Rated & Weather-Resistant Connectors:** Ensures reliable connections.
- **Integrated Power Wiring Harness:** Simplifies installation.
- **Wired RCA/AUX Audio Input:** Versatile connectivity for external devices.
- **Anti-Thump Turn-On & Soft Turn On / Off:** Protects speakers from power surges.

- **Overload & Power Protection Circuitry:** Enhances system safety and longevity.
- **2-Way Full Range Stereo Sound Reproduction:** Delivers balanced audio with impressive bass.
- **Universal Mount Bracket Design:** Compatible with various roll-bar/roll-cage diameters (1.25” ~ 2.0” inches).

Image: Diagram illustrating the two-way full-range stereo design of the speakers, showing the neodymium dome tweeter and polypropylene cone with dimensions.

Setup and Installation

Follow these steps for proper installation:

1. **Choose Mounting Location:** Select a secure location on your ATV, UTV, Jeep, or boat that allows for optimal sound dispersion and does not interfere with vehicle operation. Ensure the surface is sturdy enough to support the speakers.
2. **Mount Speakers:** Use the universal mounting brackets to attach the speakers to roll-bars or cages. The brackets are designed for diameters between 1.25” and 2.0” inches. Securely tighten all fasteners.

3. **Mount Amplifier:** Find a dry, protected location for the compact amplifier. While the speakers are waterproof, the amplifier should be shielded from direct water exposure. Ensure adequate ventilation.
4. **Wiring Connections:**
    - **Power:** Connect the amplifier's power wiring harness to a DC 12V power source. Ensure proper polarity (positive to positive, negative to negative). Install the included 15A fuse on the positive power line close to the battery.
    - **Speakers:** Connect the speaker wires from the amplifier to the quick-connect spring-loaded speaker terminals. Ensure correct positive and negative connections for each speaker.
    - **Audio Input:** Connect your audio source (e.g., smartphone, MP3 player) to the amplifier using the provided RCA/AUX audio input cables.
    - **Pre-Amp RCA Out:** If connecting to an additional amplifier, use the pre-amp RCA output.
5. **Test System:** Before finalizing the installation, turn on your audio source and the vehicle's power to test the system. Verify that sound is clear and balanced from both speakers.

Image: A UTV with the Pyle speakers mounted on its roll cage, demonstrating the universal mounting capability.

Operating Instructions

Using your Pyle PLUTV42CH speaker system is straightforward:

1. **Power On:** Ensure your vehicle's ignition is on, providing power to the amplifier. The amplifier features an anti-thump turn-on circuit for smooth power activation.
2. **Connect Audio Source:** Plug your audio device (e.g., phone, tablet) into the amplifier's AUX input using the provided 3.5mm audio cable or RCA-to-AUX cable.
3. **Play Audio:** Start playing music or audio from your connected device.
4. **Adjust Volume:** Control the volume directly from your connected audio device. The amplifier will amplify the signal accordingly.
5. **Power Off:** Turn off your vehicle's ignition to power down the system. The amplifier has a soft turn-off feature to prevent abrupt shutdowns.

Image: The Pyle amplifier unit with a UTV in the background, emphasizing the "Amplify Your Ride" concept.

Maintenance

To ensure the longevity and optimal performance of your Pyle PLUTV42CH system:

- **Cleaning:** Regularly wipe down the speakers and amplifier with a damp cloth to remove dirt, dust, and salt residue. Avoid using harsh chemicals or abrasive cleaners.
- **Connections:** Periodically check all wiring connections for corrosion or looseness. Secure any loose connections and clean any corroded terminals.
- **Storage:** If storing the vehicle for an extended period, ensure the system is clean and dry. Consider covering the speakers to protect them from prolonged exposure to elements.
- **Fuse Replacement:** If the system fails to power on, check the 15A fuse on the power line. Replace it with a fuse of the same rating if blown.

Troubleshooting

Problem	Possible Cause	Solution
No Sound	No power to amplifier; Loose wiring connections; Blown fuse; Audio source issue.	Check power connection and fuse. Ensure all speaker and audio input wires are securely connected. Verify audio source is playing and volume is up.
Distorted Sound	Volume too high; Poor audio input signal; Damaged speaker wire.	Reduce volume on audio device. Check audio input cable for damage. Inspect speaker wires for fraying or short circuits.
Intermittent Sound	Loose connections; Overheating amplifier.	Check all wiring connections. Ensure amplifier has adequate ventilation and is not covered. Allow amplifier to cool down if it feels hot.
Speakers Not Mounting Securely	Incorrect bar diameter; Loose clamps.	Ensure the mounting bar diameter is within the specified range (1.25” ~ 2.0” inches). Tighten clamps firmly. Use rubber pads for a snug fit.

Specifications

Amplifier Technical Specs:

- **Amplifier Type:** 2-Ch. Audio Component
- **Power Output:** 800 Watt MAX
- **RMS Power:** 2 x 45 Watts RMS @ 4 Ohm
- **Marine Grade Rating:** IP-65
- **T.H.D:** 0.1%
- **S/N Ratio:** > 93dB
- **Channel Separation:** > 50dB
- **Frequency Response:** 20Hz-20kHz
- **Fuse:** 15A

- **Power:** DC 12V
- **Amp Dimensions (L x W x H):** 5.3” x 3.5” x 2.1” -inches

Marine Speakers Technical Specs:

- **Sound System:** (2) x 4” Woofers + (2) x 0.5” Tweeters
- **Speaker Style:** Passive Speakers
- **Speaker Type:** Polypropylene Cone, Butyl Rubber Surround (x2)
- **Tweeter Type:** Neodymium Dome (x2)
- **Frequency Response:** 85Hz-20kHz
- **Impedance:** 4 Ohm
- **Magnet Type:** 20 oz. Circuit
- **Mid-Woofer Voice Coil Type:** 1.0", Aluminum
- **Sensitivity:** 90 dB +/- 2 dB @ 1M/1W
- **Universal Mounting Brackets Roll-Bar/Roll-Cage Diameter:** 1.25” ~ 2.0” -inches
- **Speaker Size (Front Diameter x Length):** 5.6” x 7.3” -inches (Each)

Warranty and Support

Pyle products are designed for reliability and performance. For warranty information and technical support, please refer to the official Pyle website or contact their customer service directly. Keep your purchase receipt for warranty claims.
Pyle Customer Support: Visit PyleUSA.com/support

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