

Polaris 4019904 Bluetooth Audio Amplifier

User Manual

Specifications

LED Indicators	
Power	N/A
Protect	N/A
Input Clip	N/A
Output Clip	N/A

SIZE	
Dimensions mm	55 x 111 x 147
Dimensions inch	2.17 x 4.37 x 5.79
Weight kg	1.12
Weight lbs	2.47



Specifications are in accordance with the CTA-2006-B standard

Unit	Rating
*Max Wrms	
4 Ohm Wrms	55 x 2
2 Ohm Wrms	85 x 2
4 Ohm Mono Wrms	175
*Frequency Response	
Hz	60-20k
*THD+N @ 1W	
4 Ohm %	<1.0%
2 Ohm %	<1.0%
SNR - Rated Dynamic Wrms	
dB	>110
*SNR	
dB	>65
*Input Sensitivity	
Min. mVrms	N/A Bluetooth
Max Vrms	N/A Bluetooth
*Rated Wrms	
4 Ohm Wrms	50 x 2
2 Ohm Wrms	75 x 2
4 Ohm Mono Wrms	150
*THD+N @ Rated Wrms	
4 Ohm %	<3%
2 Ohm %	<4%
Channel Separation	
Measured dB	>35

Unit	Rating
Operating Voltage Range	
Min. VDC	9
Max VDC	16
Idle Current	
Measured A	<1.0
Turn on Delay	
Measured Sec	8.5
Max Current	
4 Ohm A	11
2 Ohm A	20
4 Ohm Mono A	20
Fuse Rating	
25 A	
Efficiency	
Measured %	>75
Input Impedance	
Measured Ohms	N/A Bluetooth
Crossovers	
High Pass Hz	60
Low Pass Hz	N/A
Slope dB/Oct	12
All Pass	N/A
Punch EQ	
Low Pass Hz	N/A
Low Pass dB	N/A
High Pass Hz	N/A
High Pass dB	N/A

Wireless

Frequencies of Operation	2402 MHz-2480 MHz
EIRP	-2db -- 4db.
Transmit power or power range	Max(8db)

Technologies



Bluetooth Connection Instructions

1. Prepare the Amplifier for Pairing

- **Power On:** Ensure your amplifier is **powered on**.
- **Keep in Range:** Ensure your phone is within the recommended Bluetooth range (typically about 30 feet or 10 meters) of the amplifier.

2. Activate Bluetooth on Your Phone

- **Access Settings:** Go to your phone's **Settings** menu.
- **Enable Bluetooth:** Locate the **Bluetooth** setting and **turn it on**. Your phone will automatically begin scanning for nearby Bluetooth devices.

3. Pair the Devices

- **Locate Amplifier Name:** In the list of available devices on your phone, look for the name of your amplifier, "Polaris ATV Audio".
- **Select to Connect:** **Tap the amplifier's name** on the list.
- **Confirm Connection:** If prompted for a passcode, enter **0000** (a common default, though some devices may not require one). A confirmation message like "Connected" should appear on both the phone and the amplifier's display. The blinking light on the amplifier should turn **solid**.

4. Play and Adjust

- **Start Music:** Open your preferred audio app on your phone (like a music player, podcast app, or YouTube) and start playback.
- **Adjust Volume:** Control the volume using your **phone's volume buttons** for optimal sound.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation