

Acxico VHM-314

Acxico VHM-314 Bluetooth Audio Receiver Board 5.0 Instruction Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your Acxico VHM-314 Bluetooth Audio Receiver Board 5.0.

PRODUCT OVERVIEW

The Acxico VHM-314 is a compact Bluetooth 5.0 audio receiver board designed for DIY audio projects. It supports MP3 lossless decoding and provides dual-channel stereo audio output.

Key Features

- Bluetooth 5.0 connectivity (backward compatible with Bluetooth 4.1 and below)
- MP3 lossless audio decoding
- Dual-channel stereo audio output
- Power supply voltage: DC 3.7-5V
- Micro USB power input or 2.54mm pin port
- 3.5mm audio jack output

Package Contents

- 2 x Acxico VHM-314 Bluetooth Audio Receiver Board 5.0

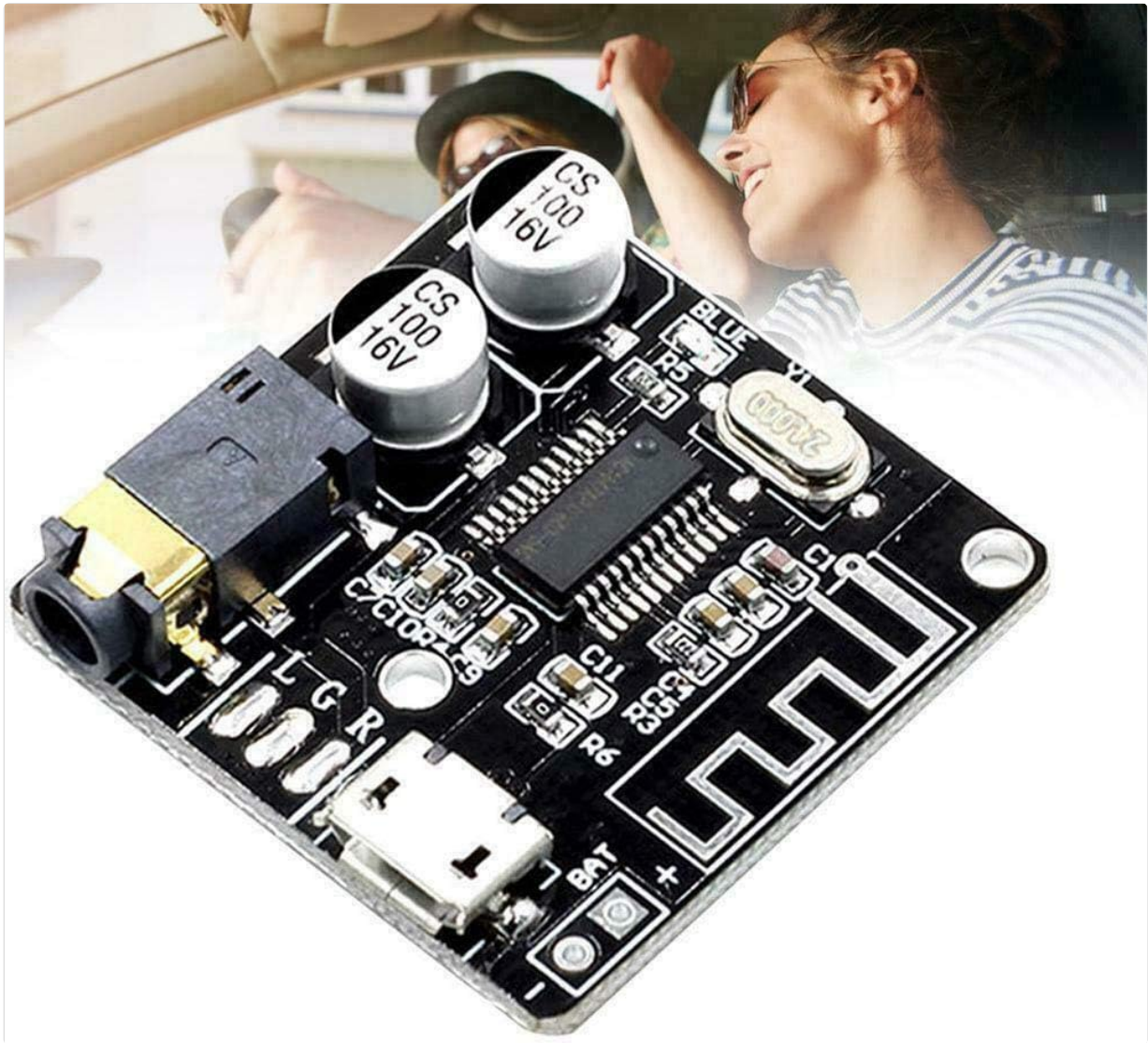


Image: The Acxico VHM-314 Bluetooth Audio Receiver Board, showcasing its compact design and various connection points.

SAFETY INFORMATION

Important: Installation of electronic modules requires basic knowledge and a certain level of electronic professional foundation and hands-on ability. Please proceed with caution.

- Ensure the power supply voltage is within the specified range (DC 3.7-5V) to prevent damage.
- Avoid short-circuiting the power terminals.
- Keep the board away from moisture and extreme temperatures.
- Handle the board by its edges to avoid damaging components.

SETUP

Component Identification

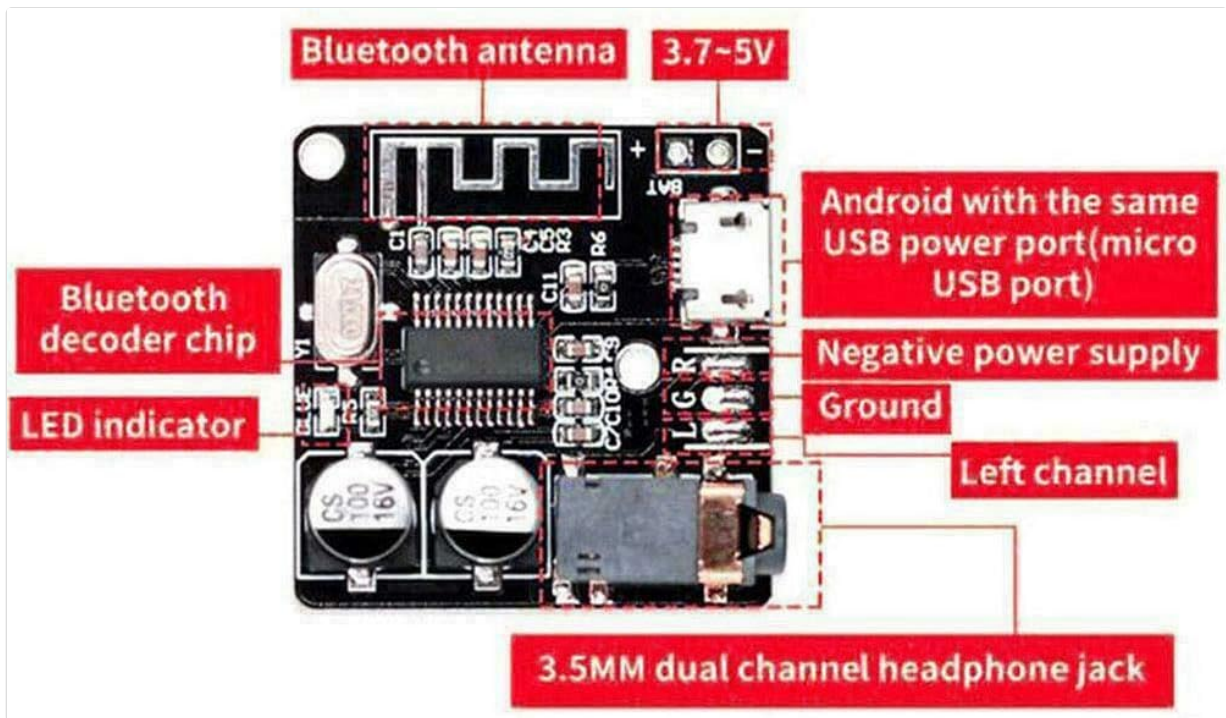


Image: A detailed diagram of the VHM-314 board, indicating the Bluetooth antenna, power supply input (3.7-5V), Micro USB port, negative power supply, ground, left channel, and 3.5mm dual-channel headphone jack.

Power Supply Connection

The VHM-314 board can be powered via two methods:

1. **Micro USB Port:** Connect a standard Micro USB cable to the Micro USB port on the board and to a DC 3.7-5V power source.
2. **2.54mm Pin Port:** Use the designated 2.54mm pin ports for DC 3.7-5V power input. Ensure correct polarity: connect the positive (+) terminal to the 'BAT+' pin and the negative (-) terminal to the 'BAT-' pin or ground ('G').

Audio Output Connection

Connect your audio output device (e.g., headphones, amplifier, speakers) to the 3.5mm dual-channel headphone jack on the board. The output provides stereo audio.

For custom connections, the 'L', 'G', and 'R' pins provide Left, Ground, and Right audio channels respectively, which can be connected to an external amplifier.

OPERATING INSTRUCTIONS

Bluetooth Pairing

1. **Power On:** Once the board is powered, a blue LED indicator will illuminate, signifying it is ready for pairing.
2. **Search for Device:** On your mobile phone or other Bluetooth-enabled device, search for available Bluetooth devices. The board will appear as "**BM3**".
3. **Connect:** Select "**BM3**" from the list. If prompted for a password, enter "**1688**".
4. **Confirmation:** A successful connection is typically indicated by an audible tone or a change in the LED indicator's behavior (e.g., solid blue).

Audio Playback

Once successfully paired, any audio played on your connected device will be transmitted wirelessly to the VHM-314 board and output through the 3.5mm audio jack.

- Adjust volume directly from your connected Bluetooth device.
- The board supports MP3 lossless decoding for high-quality audio.

SPECIFICATIONS

Feature	Detail
Model Number	VHM-314 (Internal: YY385)
Brand	Acxico
Bluetooth Version	5.0 (Supports 4.1 and below)
Bluetooth Name	BM3
Bluetooth Password	1688
Power Supply Voltage	DC 3.7-5V
Power Supply Interface	Micro USB port or 2.54mm pin port
Audio Output	3.5mm dual-channel headphone jack, L/G/R pins
Audio Output Mode	Stereo (2 Channel)
Audio Decoding	MP3 Lossless
Communication Distance	3-12 meters (environment dependent)
Compatible Devices	Smartphone, Speaker
PCB Thickness	1.6mm
Item Weight	0.02 Kilograms

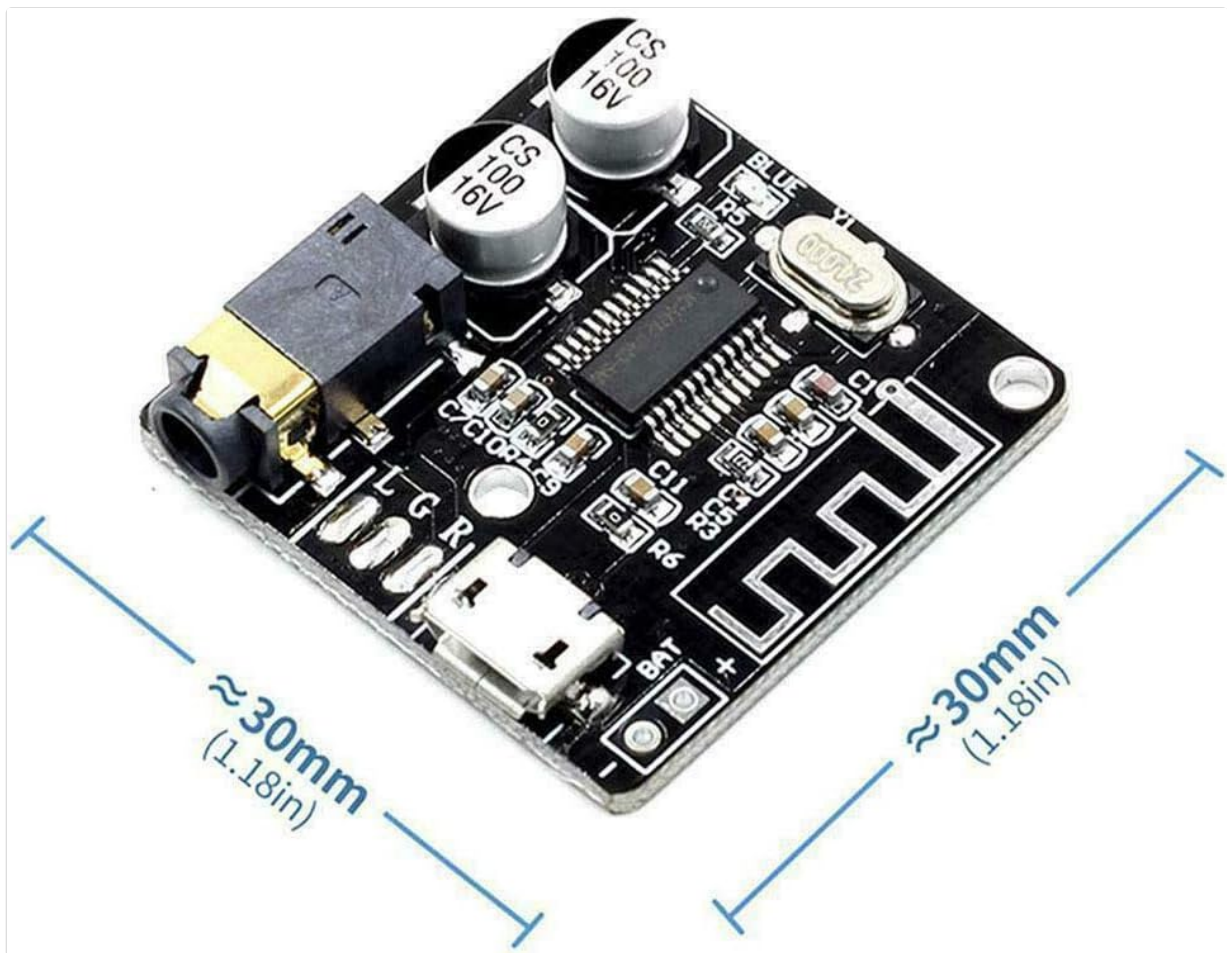


Image: The VHM-314 board with approximate dimensions of 30mm x 30mm (1.18 inches x 1.18 inches).

TROUBLESHOOTING

- **No Power:** Ensure the power supply is connected correctly and provides 3.7-5V DC. Check Micro USB cable or pin connections for proper polarity.
- **Cannot Pair:** Make sure the board is powered on and the blue LED is active. Ensure your device's Bluetooth is enabled and within range (3-12 meters). Try restarting both the board and your device. Confirm the Bluetooth name "BM3" and password "1688".
- **No Audio Output:** Verify the 3.5mm audio jack connection to your speakers/headphones. Check the volume level on your connected Bluetooth device. Ensure the device is successfully paired and playing audio.
- **Poor Audio Quality:** Ensure your Bluetooth device is within optimal range. Reduce interference from other wireless devices.
- **Intermittent Connection:** Move closer to the board. Avoid physical obstructions between the board and your Bluetooth device.

MAINTENANCE

The Acxico VHM-314 Bluetooth Audio Receiver Board requires minimal maintenance.

- Keep the board clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the board to liquids or excessive humidity.
- Store the board in a dry, cool environment when not in use.

- Do not attempt to modify the board's circuitry, as this may void any implied warranty and cause damage.

WARRANTY AND SUPPORT

Acxico products are designed for reliability and performance. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.

For technical support or inquiries regarding your Acxico VHM-314 Bluetooth Audio Receiver Board, please contact your retailer or the manufacturer directly through their official support channels.

We appreciate your feedback to help us improve our products and services.