

Bluetooth 5.0 Audio Receiver Board for Mp3 Lossless Decoder Board Wireless Stereo Music Module XY-WRBT Wireless Speakers 12V 24V

Product parameters:

Product name Bluetooth decoder board

Working voltage 3.7~24VDC

Bluetooth version 5.0

Transmission distance 15 meters (visible without obstruction)

Signal to noise ratio $\geq 90\text{dB}$

Distortion $\leq -70\text{dB}$

Number of channels Dual channel (stereo)

Audio interface 3.5mm audio interface

Module protection mechanism Power reverse connection protection

Interface Description:

1. Power supply can use Micro-USB mobile phone charger, 3.7-4.2V lithium battery, 3.7-24V DC power supply, you can choose one of the three.
2. Short-circuit the "on/off contact" for 2 seconds to set the decoder board to on/off. For battery-powered conditions, turning off when not in use will save power and facilitate modification.

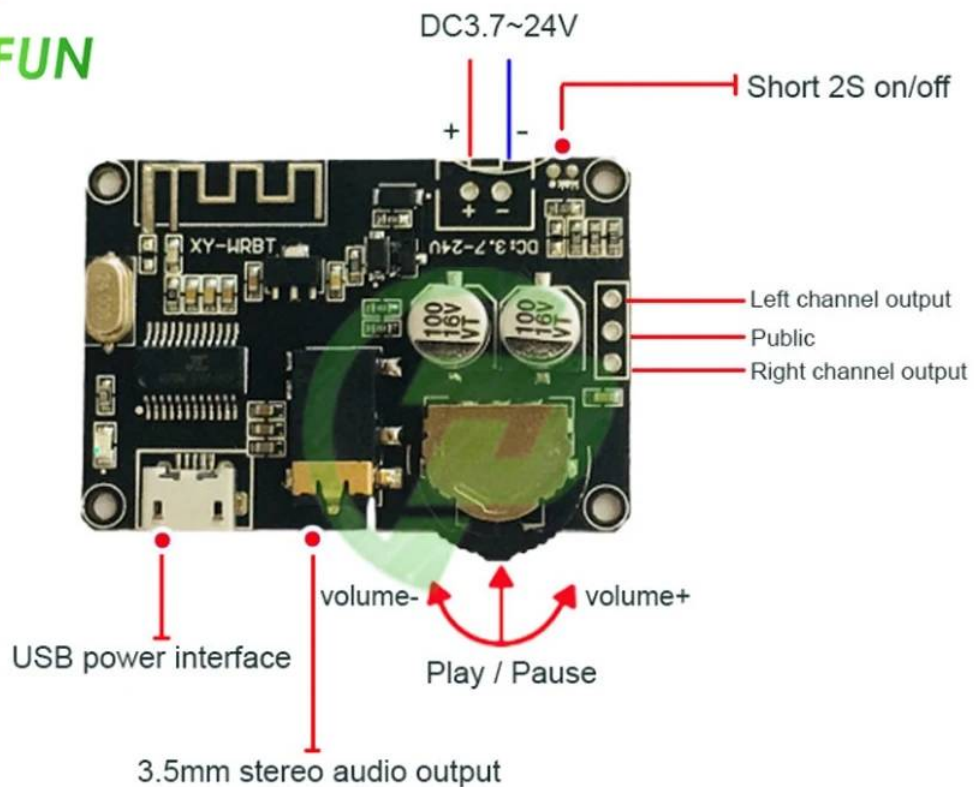
Instructions:

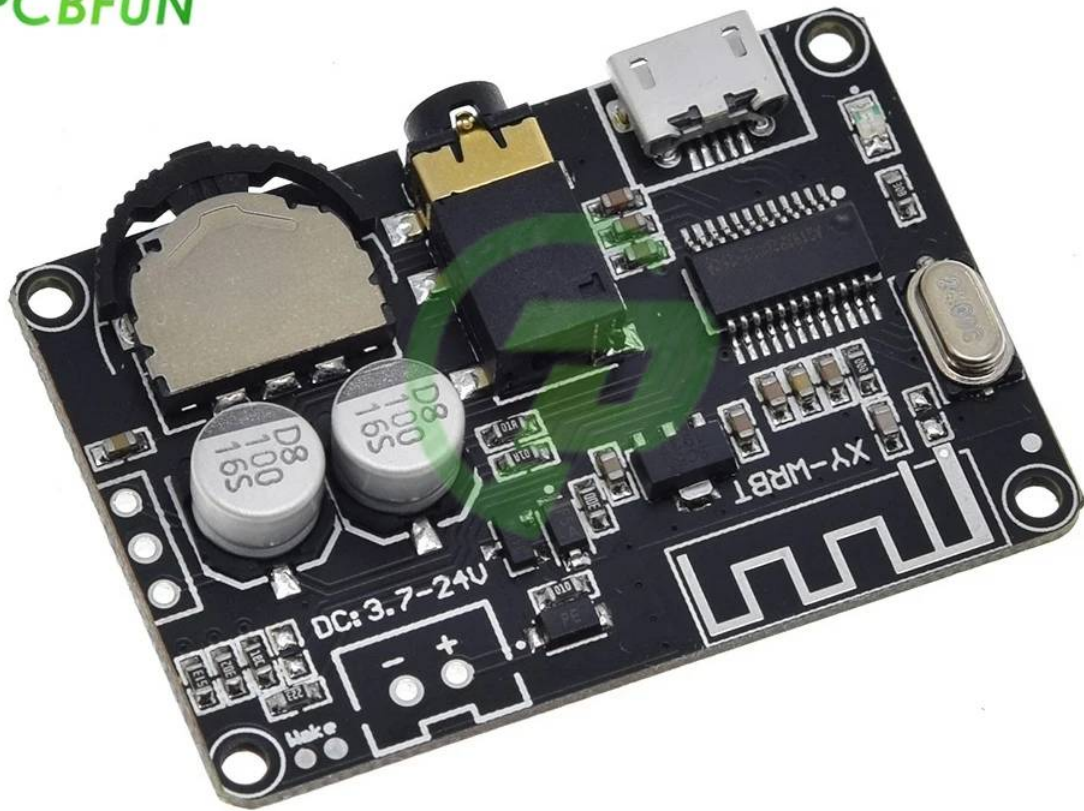
After the power is turned on, the blue indicator light flashes quickly and enters the Bluetooth mode; after the "prompt" is broadcast, it enters the pairing mode and waits for pairing; the mobile phone Bluetooth searches for "XY-WRBT" (power amplifier board device name), click "XY-WRBT" After the connection is successfully connected, the "prompt tone" will be played, the indicator light is on, and the mobile phone music can be played. The indicator flashes slowly when playing music; after the Bluetooth is disconnected, the amplifier board is ready for the next pairing and enters after the "prompt tone" is played Pairing mode is waiting for pairing. Precautions for using 3.7V lithium battery power supply 1. When using battery power, the battery voltage is lower than 3.3V and the decoder board will automatically shut down. After re-powering or fully charged, short the on/off contact for 2 seconds to turn on. 2. When using a battery to supply power, if the battery voltage is too low, a "sizzling" noise may appear. In this case, the battery needs to be charged. 3. Since there is no lithium battery charging protection circuit on the decoder board, it is

recommended to use a lithium battery with a protection board.4. If your rechargeable battery supports Micro USB direct charging, you can use Micro USB to directly charge the battery.

Package Included:

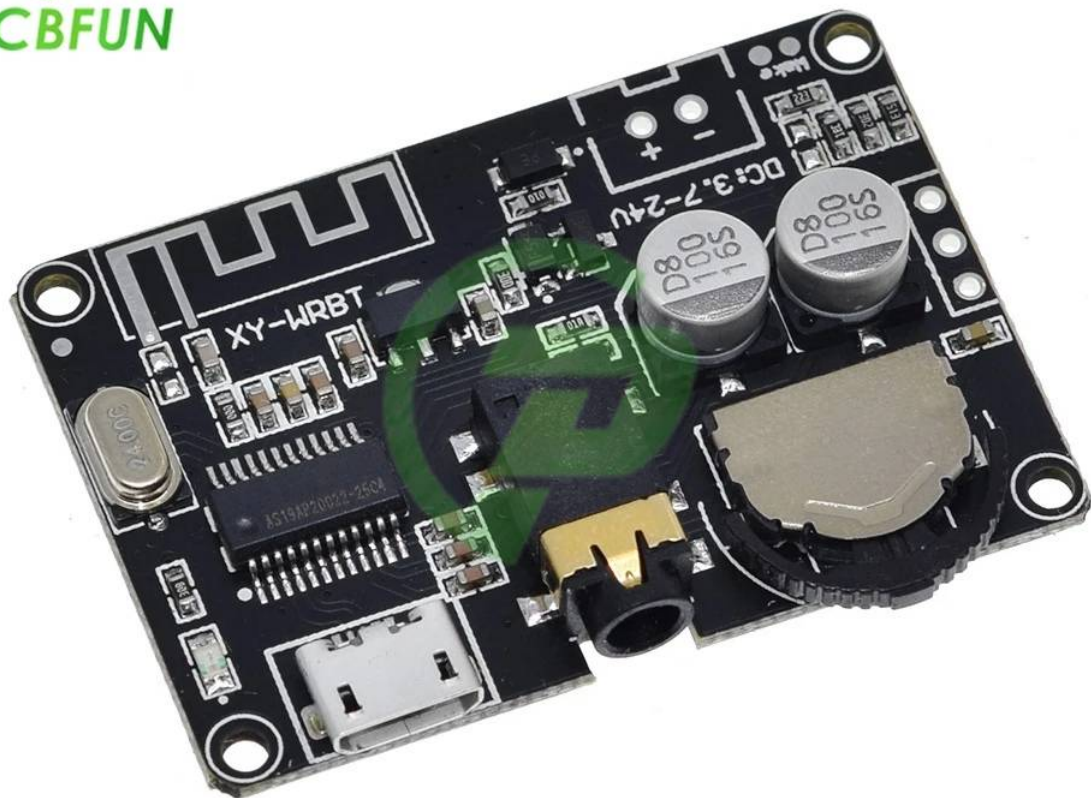
1* Bluetooth decoder board













Bluetooth 5.0:

Features:

USB powered Universal Micro USB 5V power supply

3.7-5V Supply Pad External 3.7-5V lithium battery power conversion

LED indicator Bluetooth mode long blue light

3.5mm stereo audio interface Standard 3.5mm interface, output stereo sound source, plug in headphones, connect amplifiers and other devices

Specifications:

Power Supply 3.7-5V

SNR 90dB

THD+N -70dB

Crosstalk -86dB

DNR 91dB

Support Profile A2DP/AVCTP/AVDTP/AVRCP/HFP

LOS >15m

Instructions:

After the power is turned on, the blue indicator lights up and enters the Bluetooth mode; the English "The bluetooth device is ready to pair" is displayed, indicating that the Bluetooth mode is entered and waiting for pairing; the "XY_BT" searched by the mobile phone Bluetooth is the device name of the decoding board. , Click on the connection, the decoder board prompts "The bluetooth device is connected successfully", indicating that the decoder board and the mobile phone are connected successfully, you can play music. As shown below

Package Included:

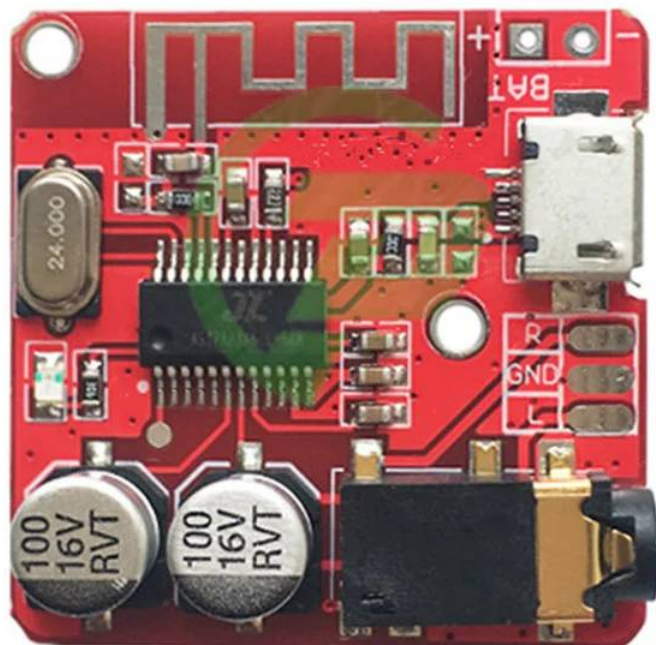
1* Mini Bluetooth 5.0 MP3 Decoder Board

Micro USB:

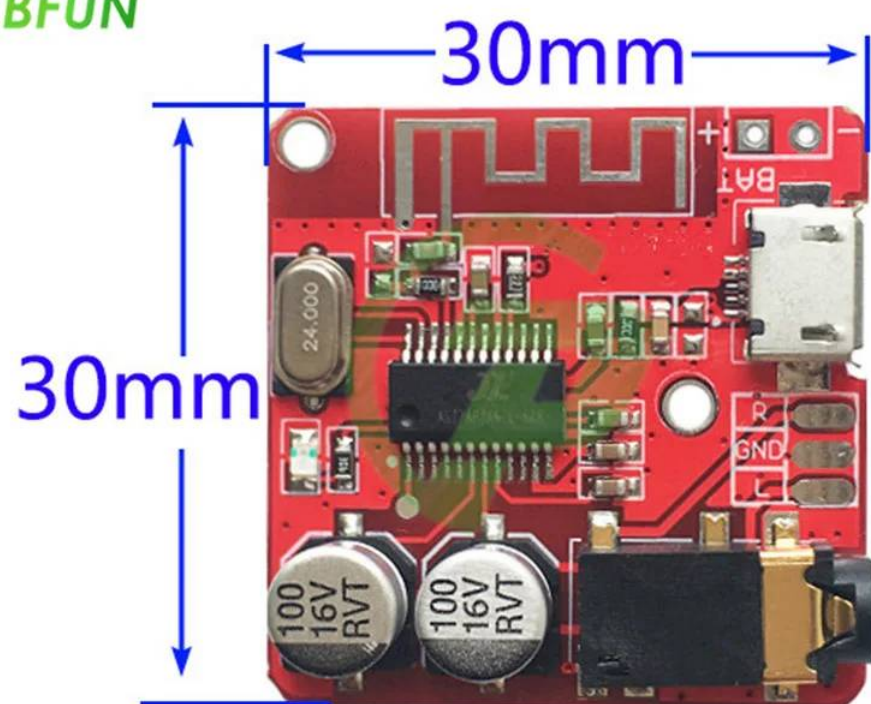
Bluetooth™
3.0 4.0/4.1 mode

MP3+WAV+APE+FLAC
PCBFUN

Lossless decoding



Bluetooth decode board





Bluetooth decoder chip

3.7-5V

+ -

LED indicator

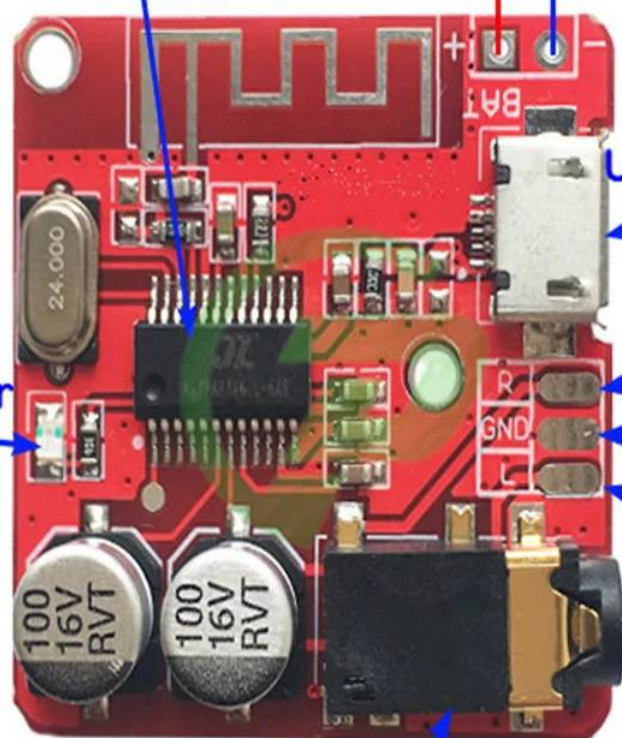
USB power supply

Right channel

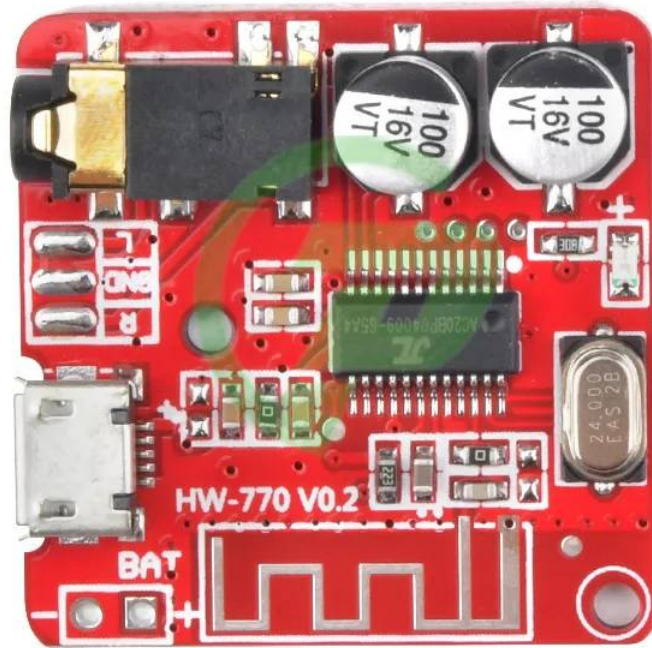
GND

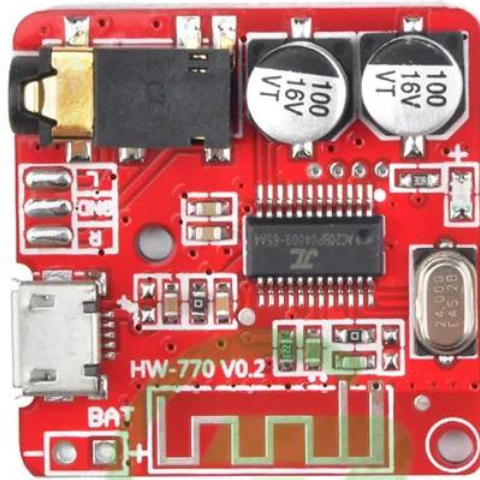
Left channel

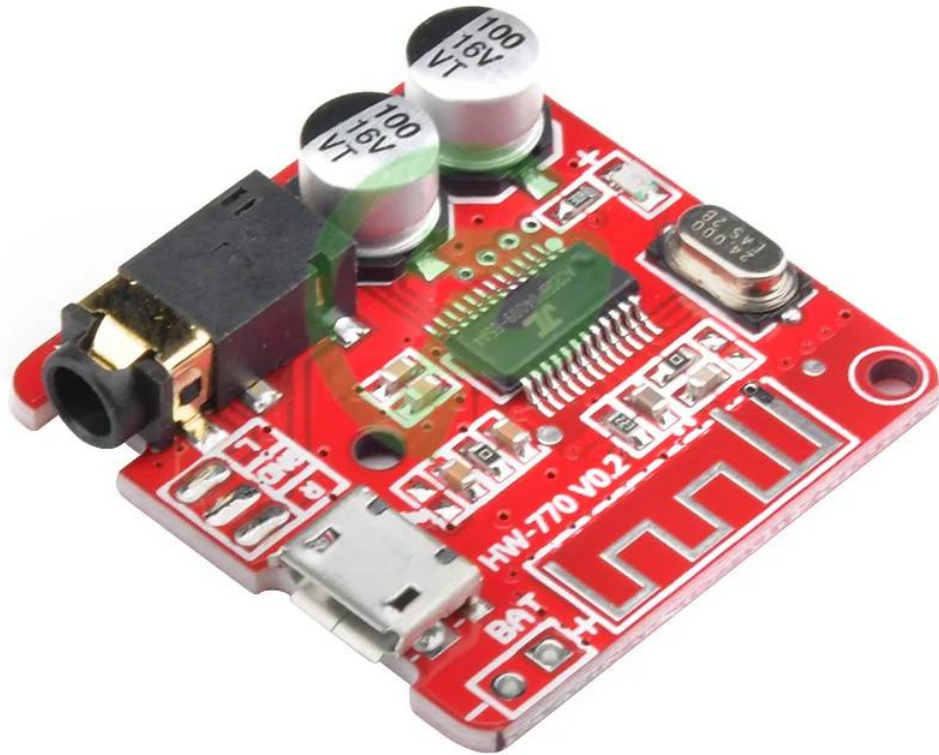
3.5mm Stereo audio frequency interface

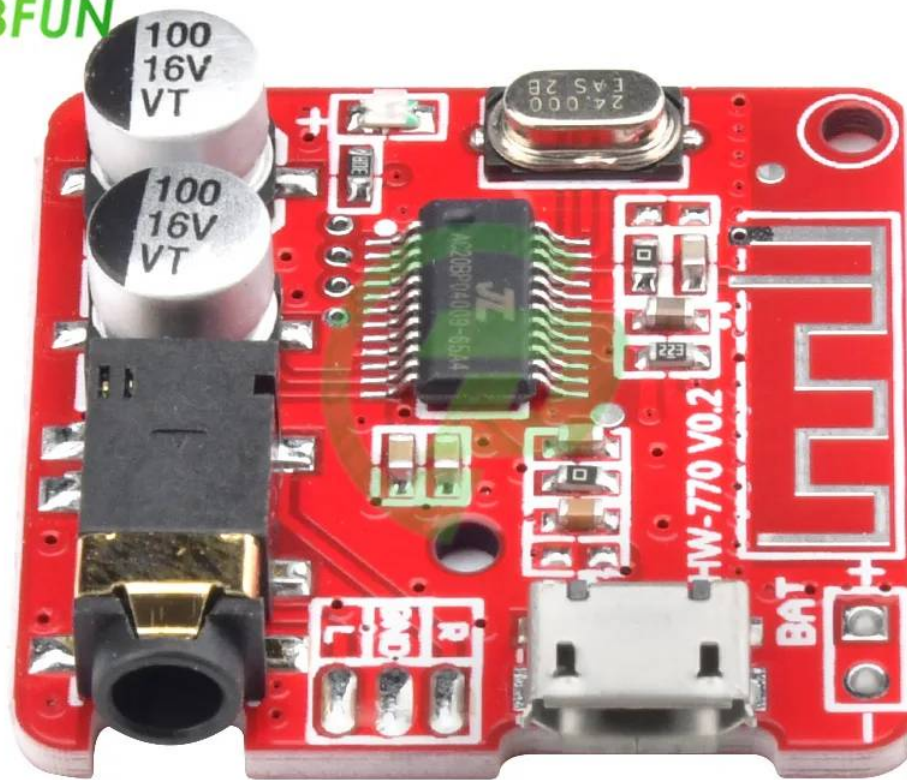


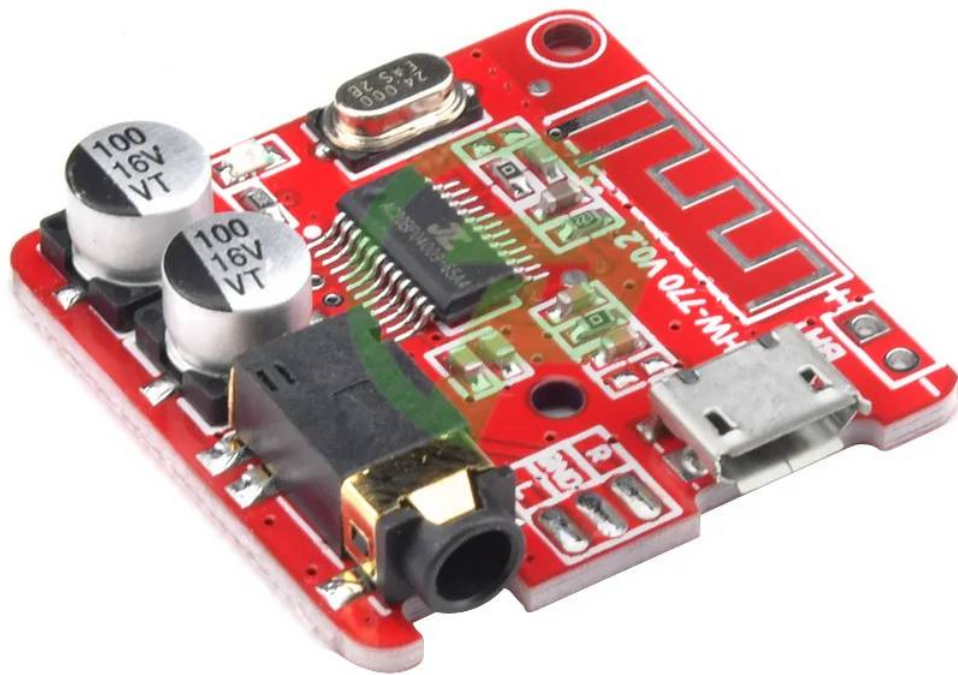


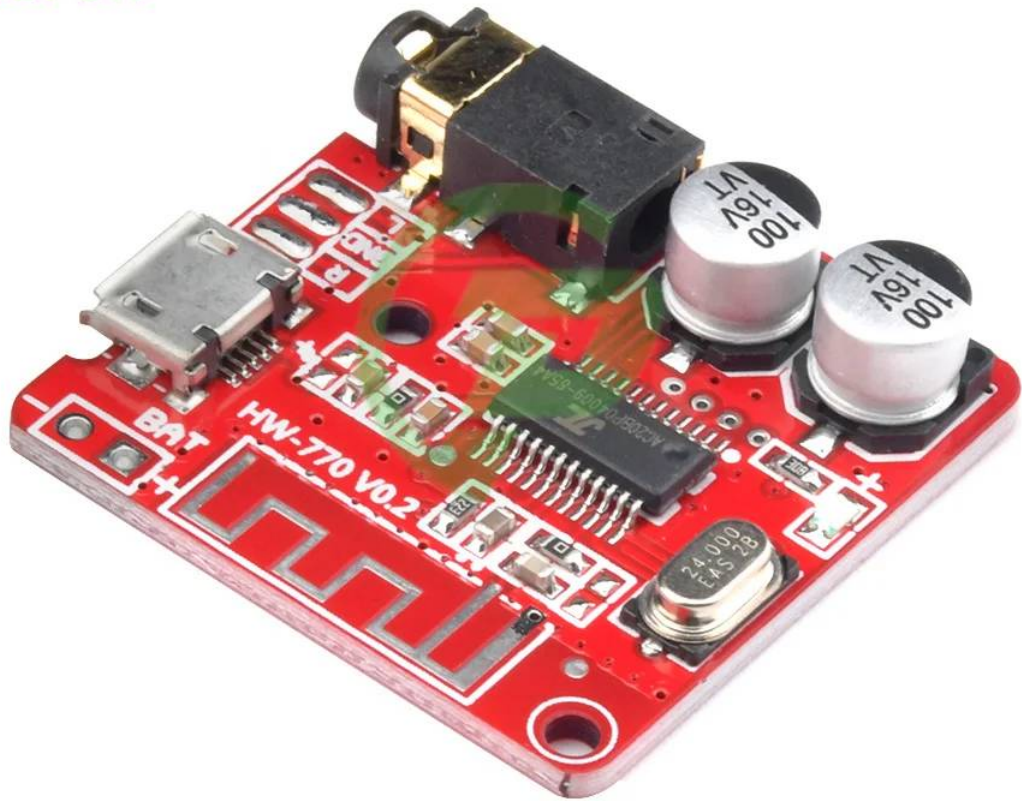


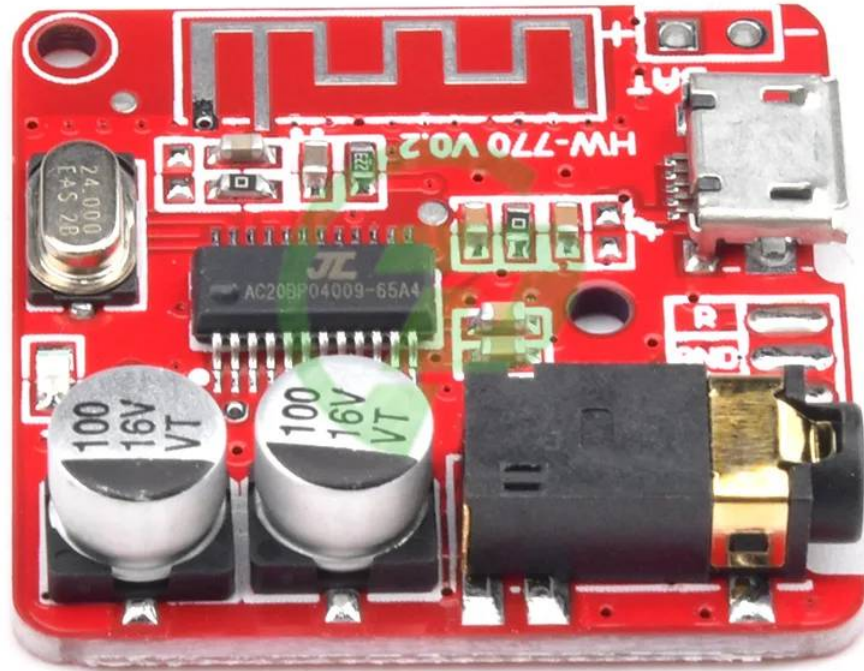








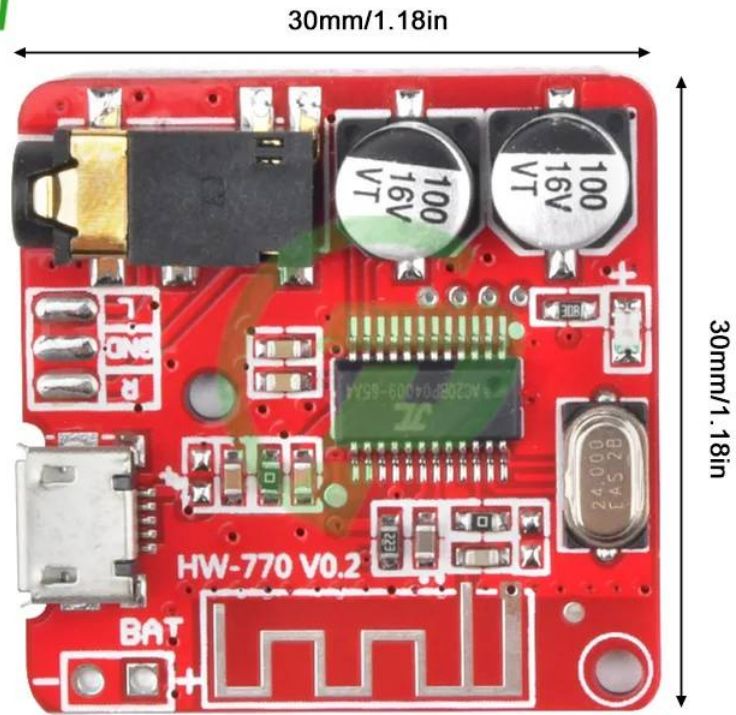






3.5g





MP3 Bluetooth Decoder board

PCBFUN
VHM-314

The development of science and
technology brings
to human progress as well as with annoyance

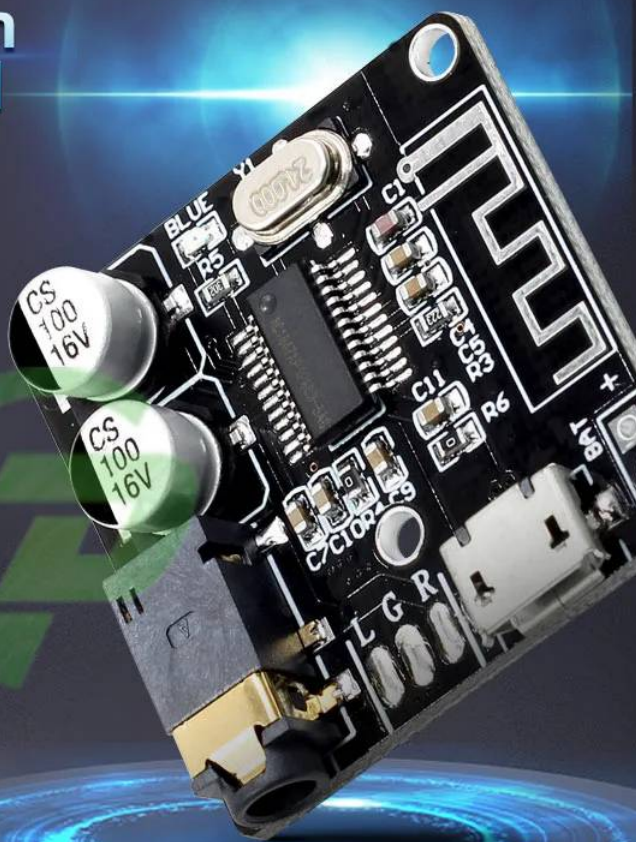
Pure mobile phone operation
connection to play MP3

Ready
to use

Ultra small
volume

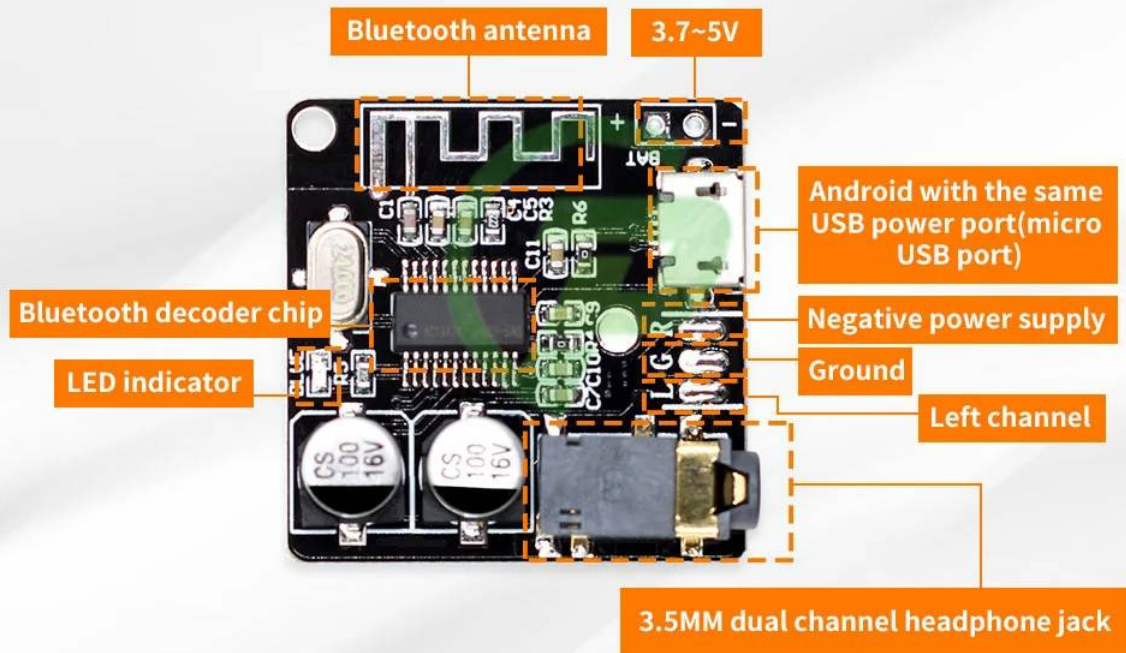
DIY
embedded

Lossless
decoding





Function display



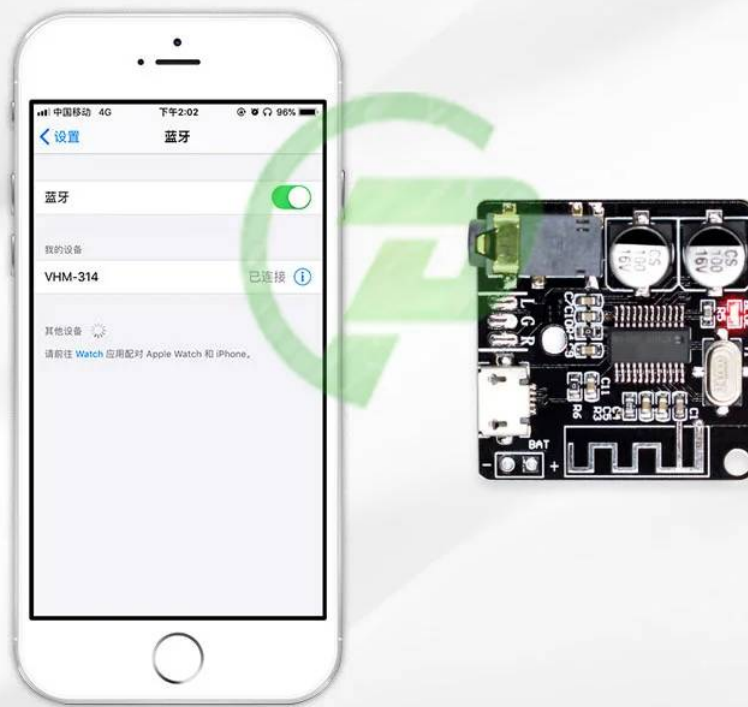
Product information

Product name	MP3 Bluetooth decoder board
Product number	VHM-314
USB powered	Universal Micro USB 5V power supply
Power supply	3.7~5V
Signal to noise ratio	90db
THD+N	-70db
Crosstalk	-86db
DNR	91db
Support configuration	A2DP/AVCTP/AVDTP/HFP
Service Level	>5 meters

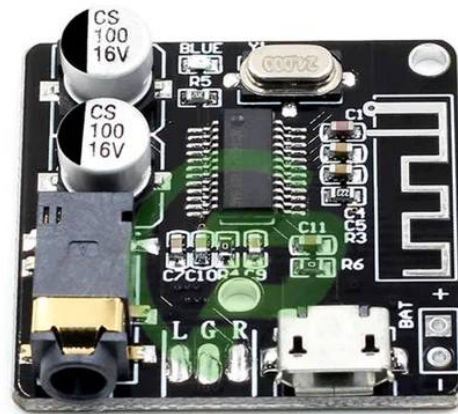
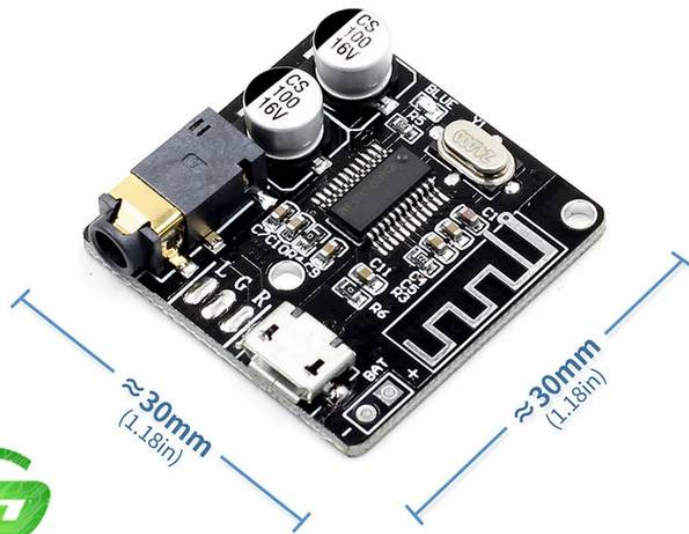


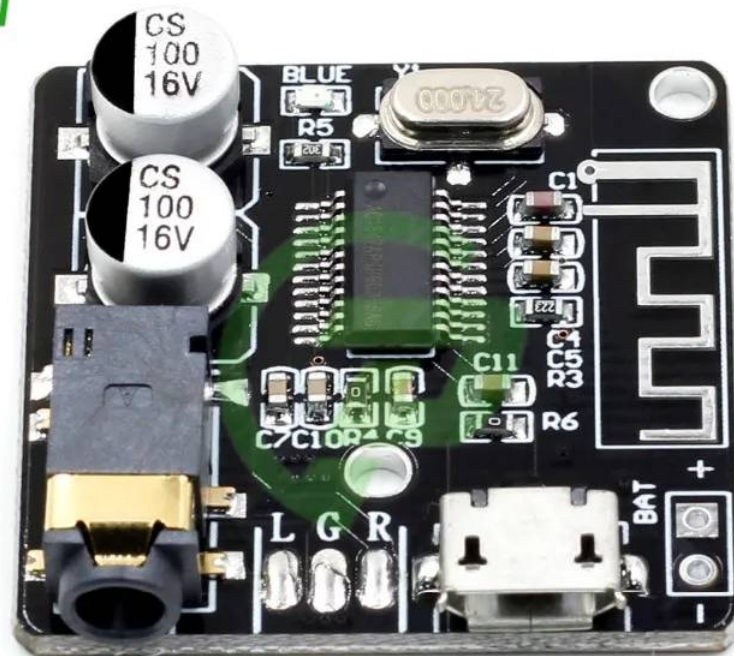
Instructions

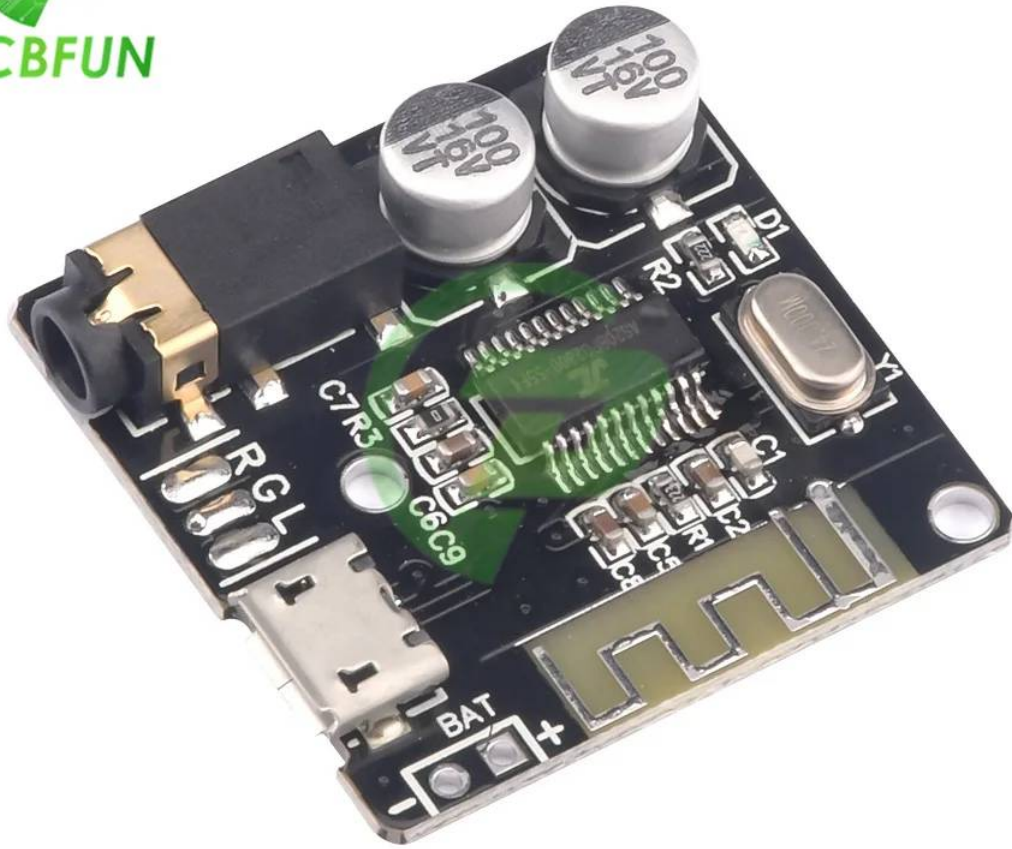
After the power is turned on, the red indicator light flashes slowly, enters the Bluetooth mode, the mobile phone searches for the name "VHM-314", and clicks the connection. When the Bluetooth connection is successful, the module will make a "叮咚"; when the Bluetooth is disconnected, Issued a "boarding" sound.

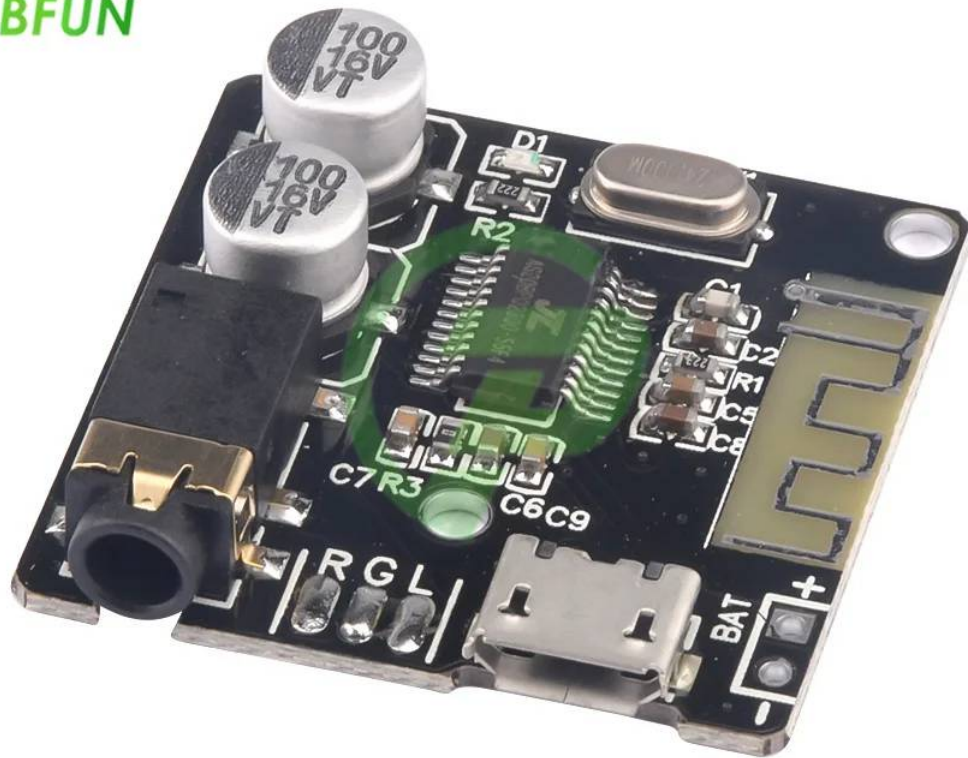


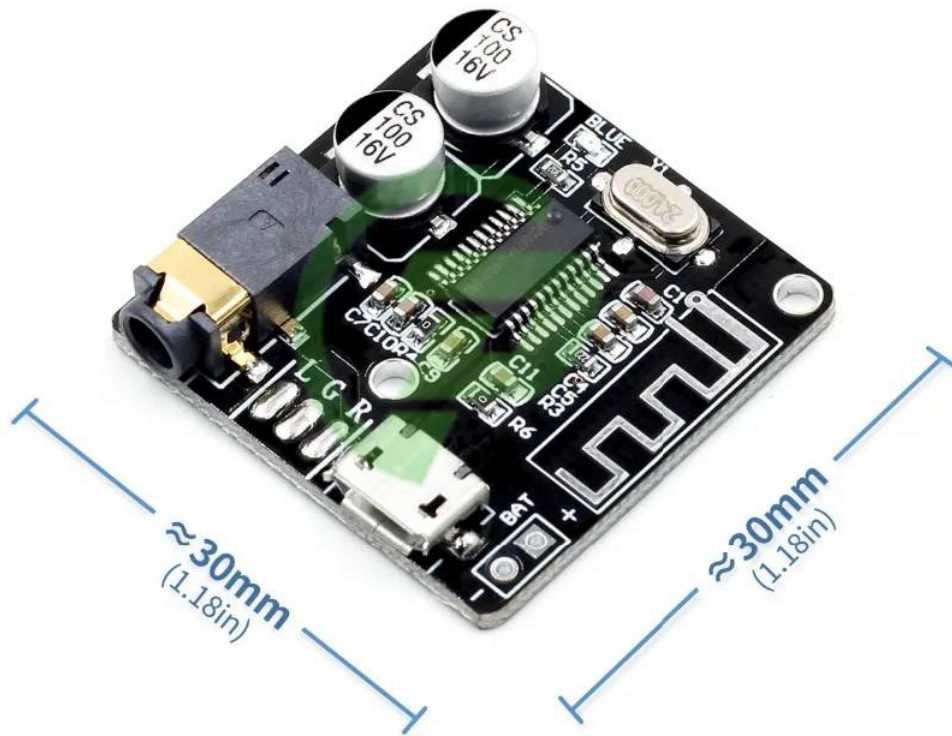
Support Bluetooth 4.2, support automatic connection, support WAV+APE+FLAC+MP3 lossless decoding, stereo output.









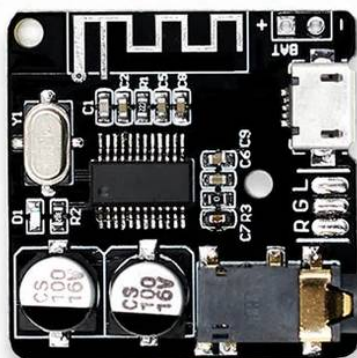


BT 5.0 V2.0:

Decoder board · comparison chart

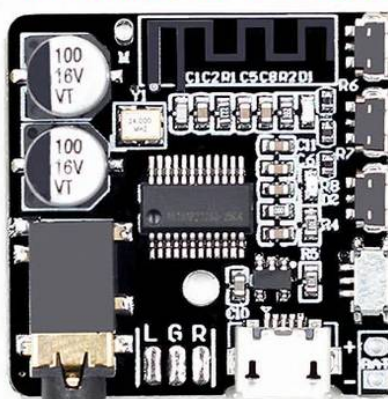


VHM-314



MP3 Bluetooth decoder board, pure mobile phone operation connection to play MP3, ready to use, ultra-small size, support automatic connection, lossless decoding, stereo output.

VHM-314 V2.0



Compared with the old version, the size is the same. The new VHM-314 V2.0 adds functions such as buttons, dial switches, charging, and DIY Mute interface.



PCBFUN

3 Bluetooth decoder board

- Input voltage: 5V
- Two-color indicator: red, blue
- Working current: 20ma, maximum charging current 300ma
- L: left channel output
- R: right channel output
- G: Signal ground interface



Product Bluetooth version: 5.0



Support lithium battery charging

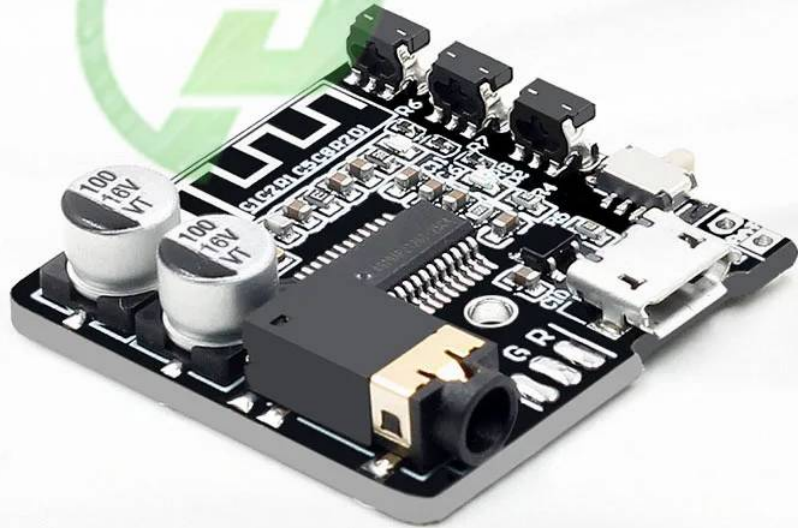




MP3 Bluetooth decoder board

VHM-314 V2.0

- ! Support lithium battery charging
- Bluetooth version: 5.0



Product operation instructions

Bluetooth indicator: blue; power indicator: red

Key Description:



- 1、 Short press is the next song; long press is the volume increase (there will be a sound prompt when the volume is maximum)
- 2、 Short press: pause/play;
- 3、 Short press once for the previous song; long press for the volume to decrease;



DIP switch:



Up dial: Powering the battery port, the MICRO is indirectly powered when there is no battery;

Down dial: The MICRO is powered directly. When there is no MICRO power supply, turn off the power.

Note:

- 1、 The DIP switch is easy to break. Please carefully protect the switch when using it to avoid damage.
- 2、 MICRO indirect power supply may cause noise due to insufficient current supply.

Product power and wiring

Battery is energized, power amplifier board is energized, output terminals and low power interface



Power port

3.7V lithium battery power supply (module working current 20ma, charging maximum current 300ma)



Micro

External power supply interface, voltage 5V

Audio DIY terminal

L, G, R:

L: Left channel output. G: Common interface, shared with the amplifier/ headset. R: right channel output



Audio output terminal

Audio output



DIY low power interface

H→L: Power on for 1 second, continuously output high level; after 1 second, continuously output low level, when Bluetooth is disconnected / music pause, continuous output is high;

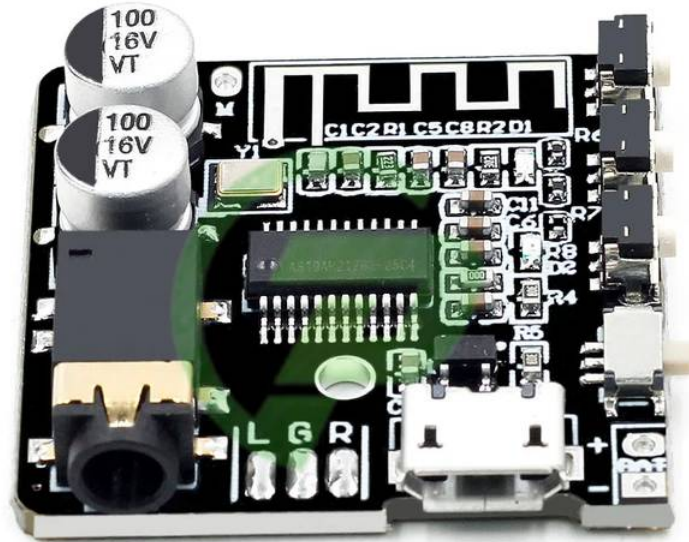
L→H: Power on for 1 second, continuous output low level, after 1 second, continuous output high level, Bluetooth disconnection / music pause, continuous output low level

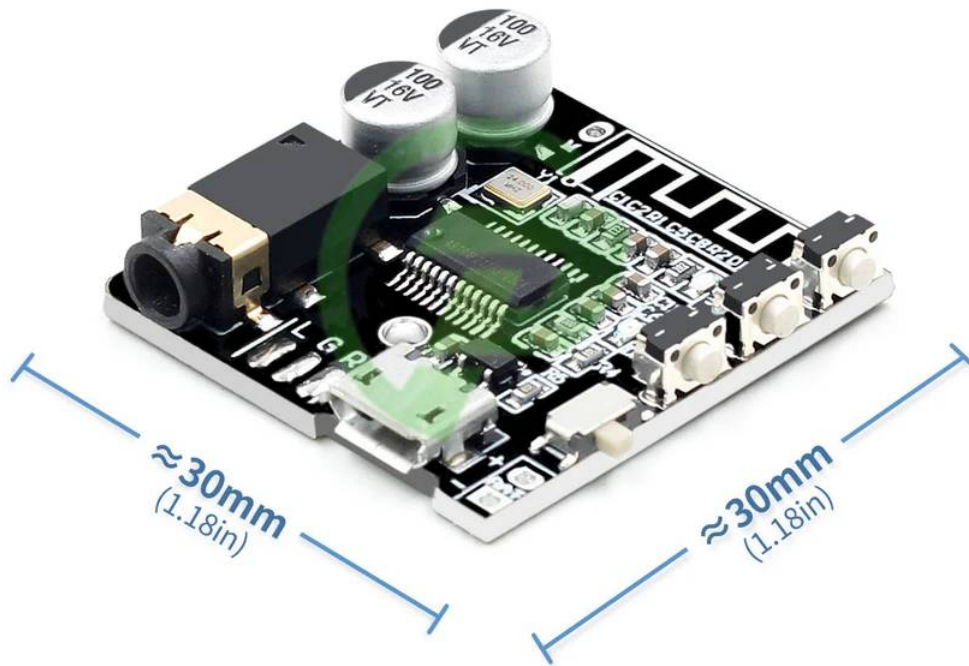


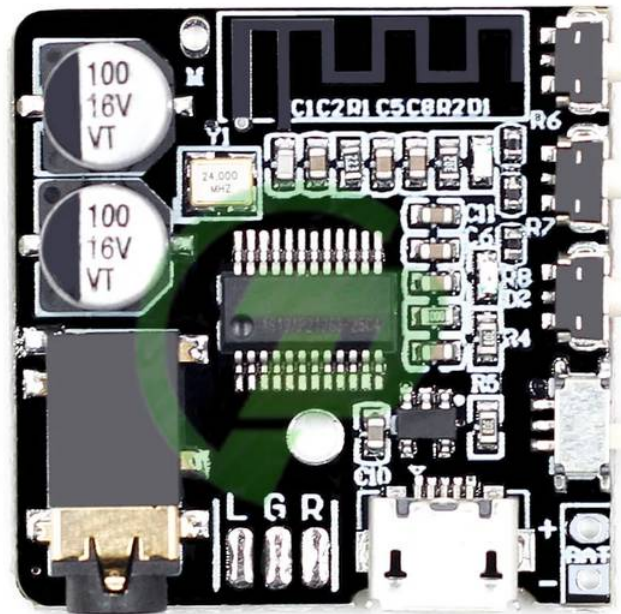
DIY Remarks:

Shorten the back pad of the board as needed, select H→L, or L→H;

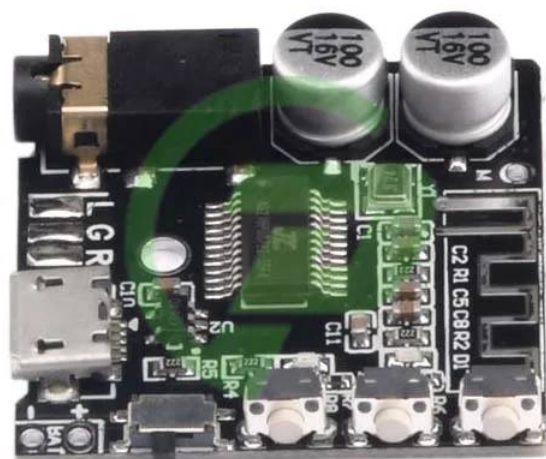
















TYPE-C:



PCBFUN

MP3 BT Decoder Board

- Ready to use

- Ultra small size

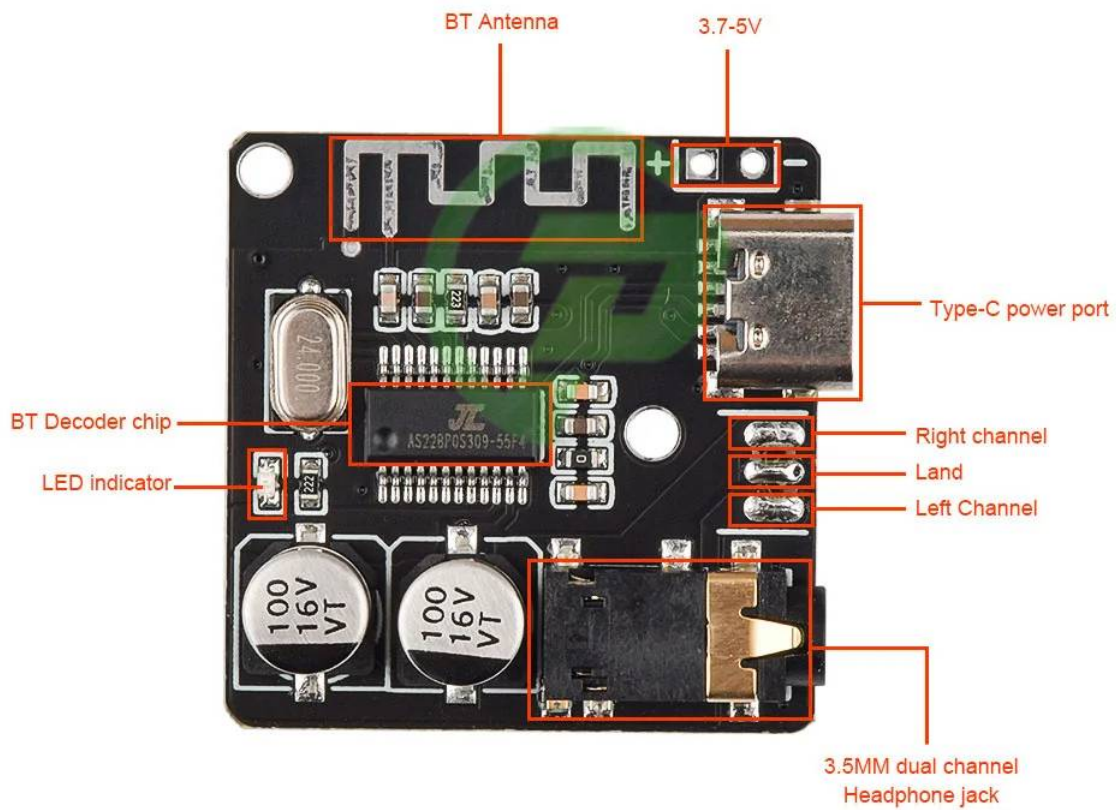
- DIY Embedded

- Lossless decoding





Function Display

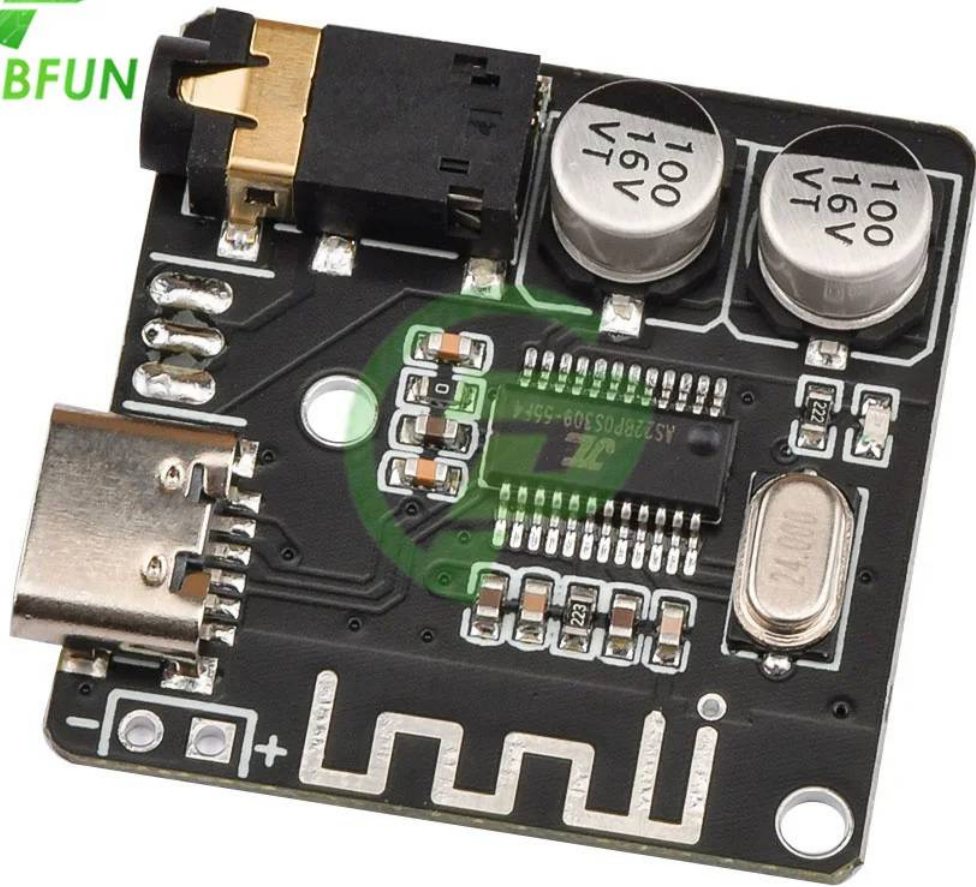




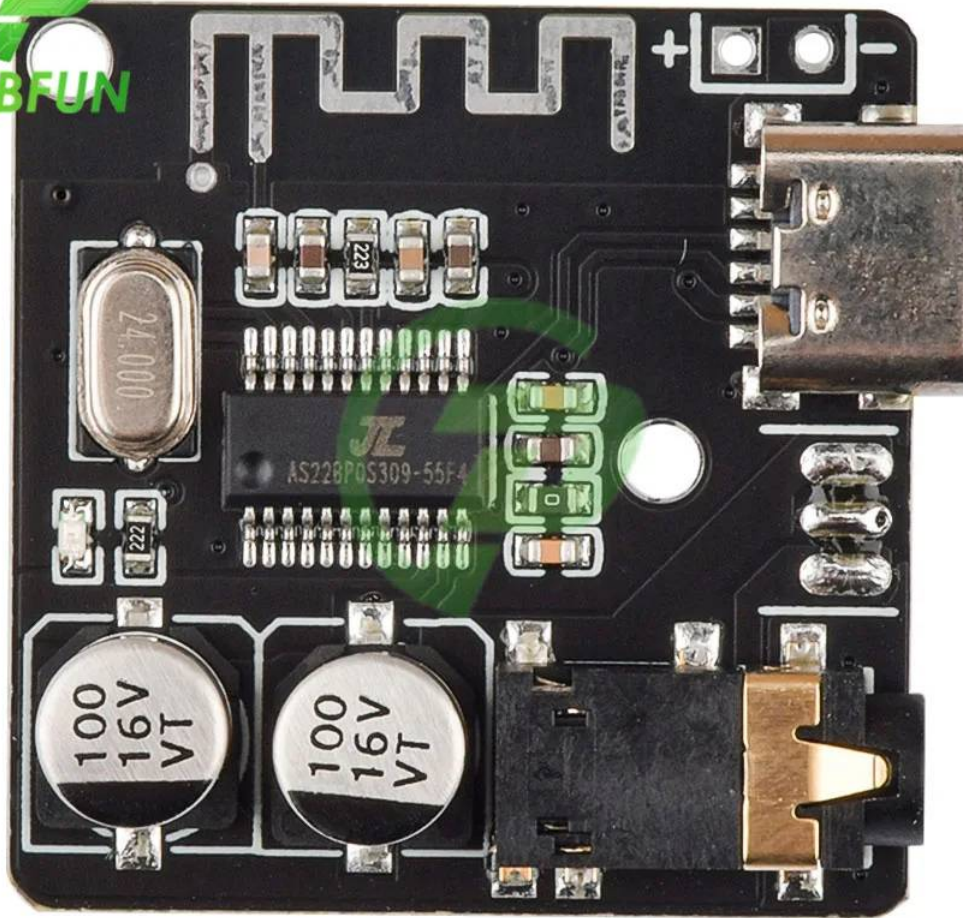




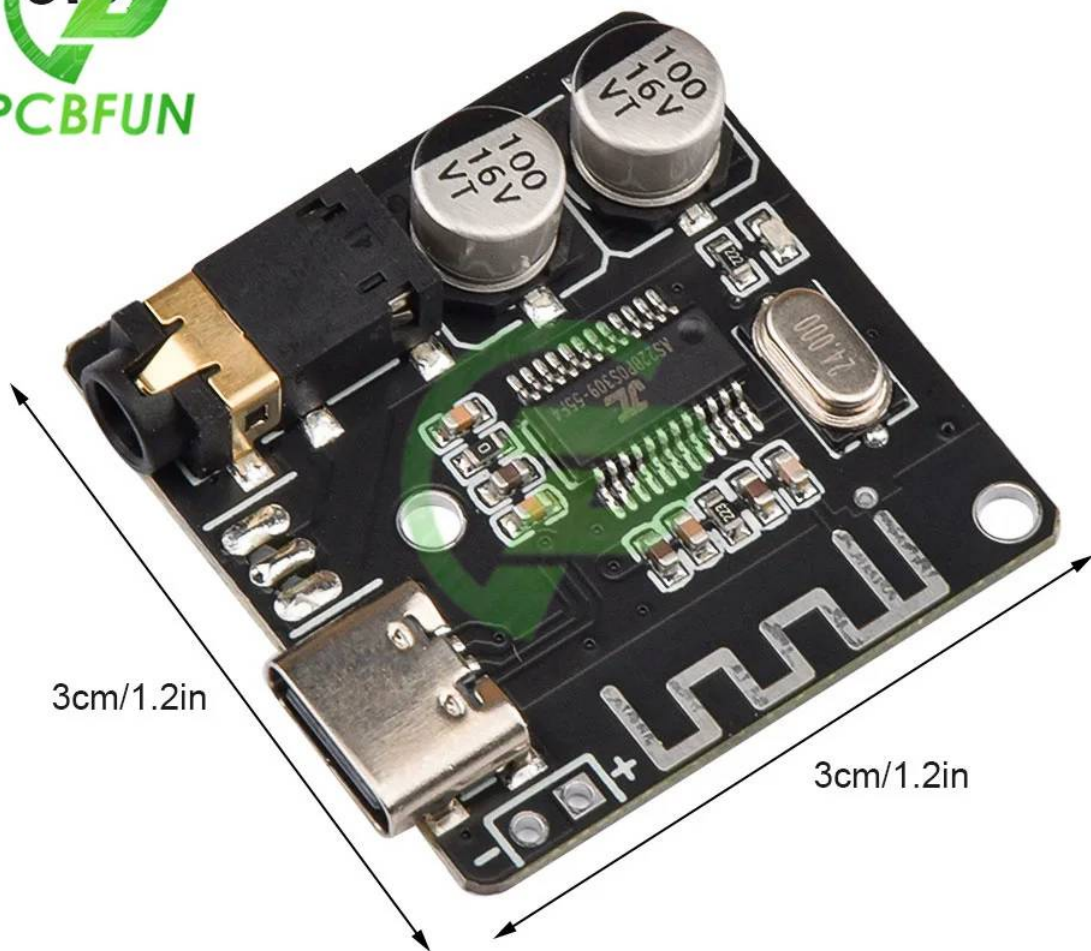












Bluetooth 5.0 Use APP:

Features:

1. Two kinds of power supply are optional: USB and battery
2. One-key switch
3. Automatically connect back
4. Stereo output lossless decoding
5. Bluetooth APP compatible control

The main parameters:

Product name: DIY Bluetooth 5.0 audio receiver module

Working voltage: 3.7-4.2V lithium battery or MicroUSB 5.V

Wireless control: Bluetooth/APP

Bluetooth version: 5.0

Communication distance: 15 meters (maximum)

Operating temperature range: -40°C~85°C

Steps for usage:

1. Select the appropriate speaker and connect it according to the wiring diagram.
2. Connect the power supply from the input terminal, the blue LED flashes quickly, and enter the Bluetooth pairing mode.
3. Search for "XY-ABT" on the mobile phone, click "XY-ABT" to complete the connection and a prompt sound will play.
4. The Bluetooth LED enters a long-bright state, indicating that the module is successfully connected and waiting for playback.
5. Open the mobile phone player software to play music, the blue LED flashes slowly and enters the playing state. Note: This is a music decoder, you need to connect the power amplifier first, and then connect the speakers.
6. If you need APP control, open the Sinilink APP on your mobile phone and register an account.
7. Select the device 'Sinilink-APP' connection module.
8. The user can adjust the volume through the mobile phone, select the next or previous song, play/pause
9. If the connection is disconnected, the module will emit a tone.

Package Included:

1* Bluetooth decoder board

Bluetooth 5.0



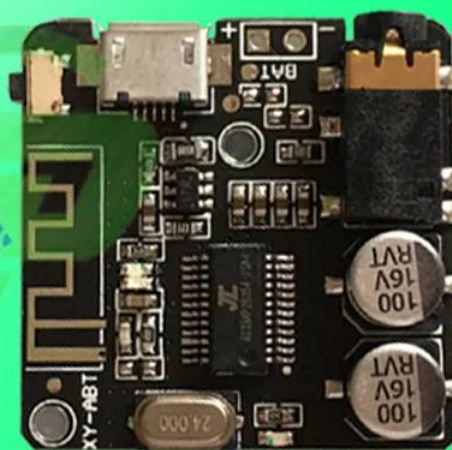
PCBFUN



Sinilink

New upgrade · Extreme Edition

Mobile APP control



Battery
powered

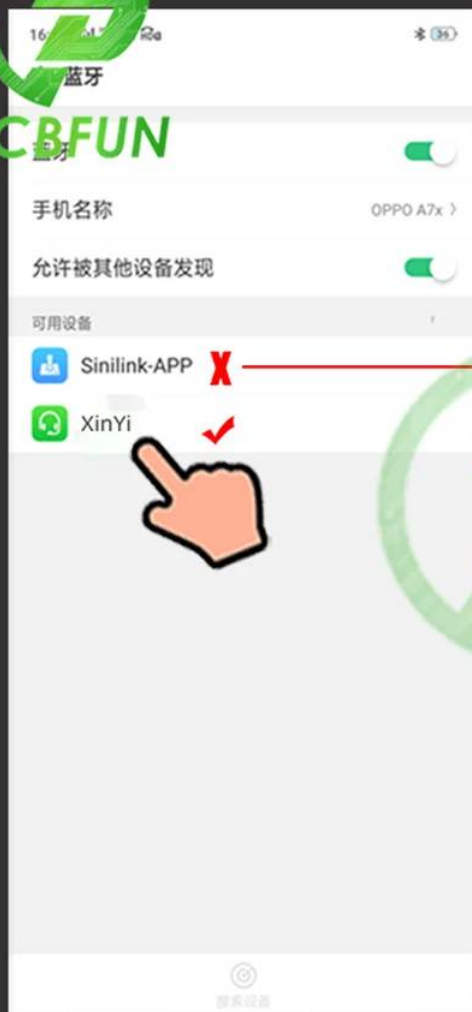
Charge
manage-
ment

One key
switch

Auto-
connect

Stereo
output

Lossless
decoding



Do not connect to Sinilink-APP here, if it is connected, please unpair and search again

When the Bluetooth board is powered on, the blue LED flashes quickly and enters the Bluetooth connection mode; the mobile phone searches for XinYi, clicks "XinYi" to complete the connection and the sound is played, at this time the blue LED enters a long light state; open the mobile phone to play music , The blue LED flashes slowly and enters the playback state.

Steps to connect Bluetooth via mobile APP

Note: When using the APP, you must turn on all the APP permissions in the phone settings, otherwise some phones, compatibility issues will occur, causing Bluetooth to fail to connect.



First step
Click the little
yellow dot



Second step
Click to connect
Bluetooth device



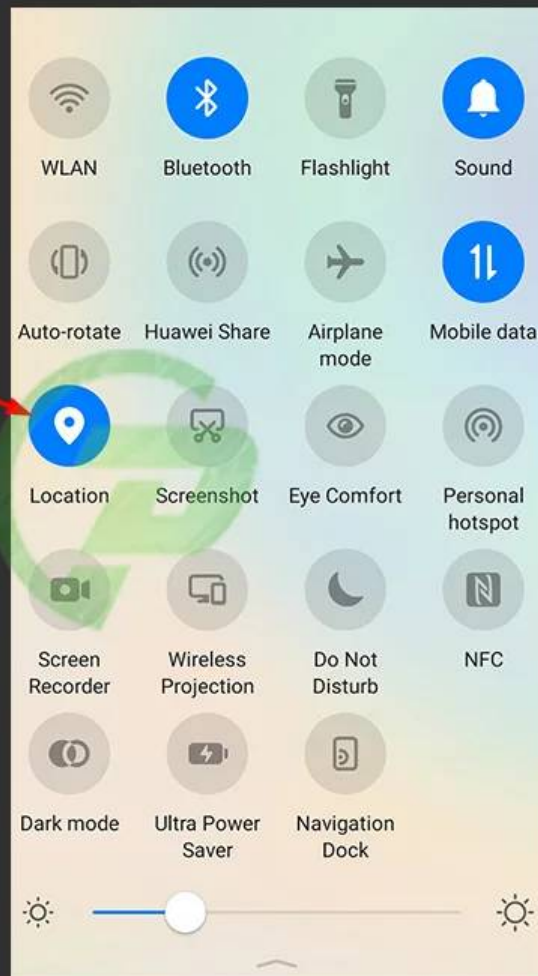
The fourth step
Connection
succeeded



Third step
Search Bluetooth
Connect to Sinilink-APP



Turn on the location
information of the
phone when using
the APP





Mobile APP control

Support Android Apple system



APP control

APP visual operation playback mode

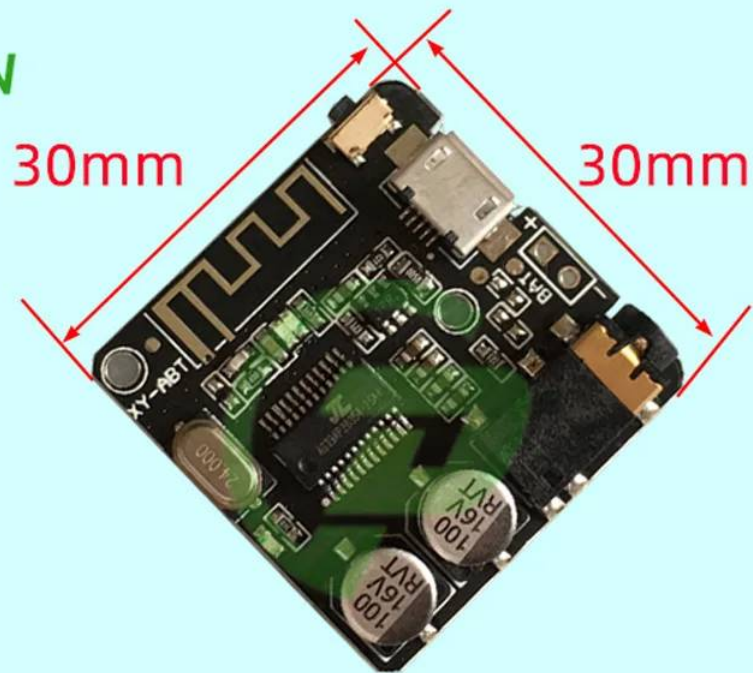
Volume Sound effect Previous song Next song control Play pause Play mode



More functions will be upgraded
in the future, so stay tuned.



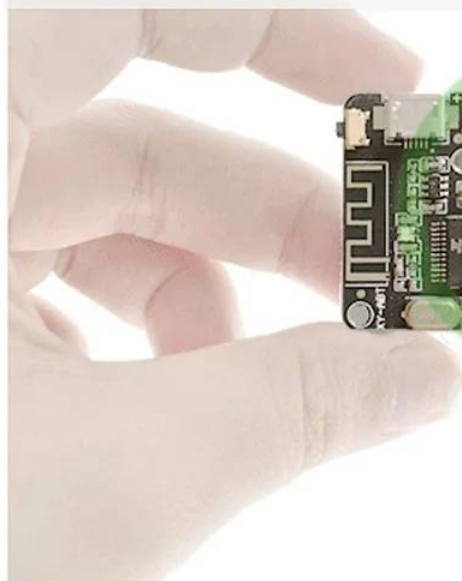
Product Size



Weight: 4g



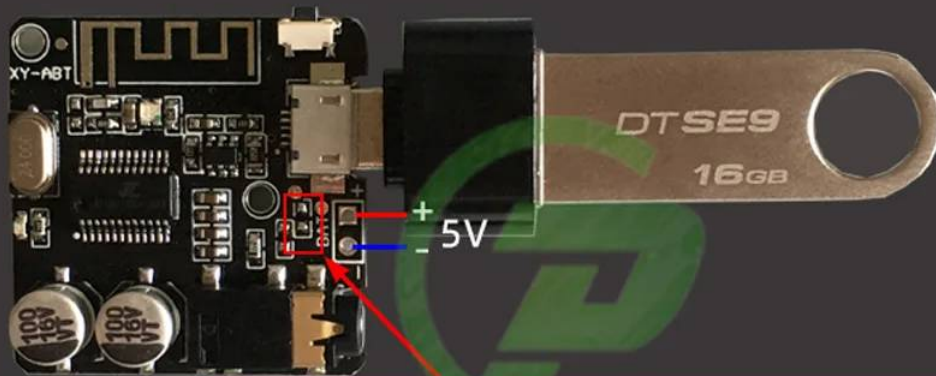
Small size, big use



- Small size
- Single module weighs only 4 g
- Compared to the size of a coin, 3*3cm
- Break free
- Freedom to go out

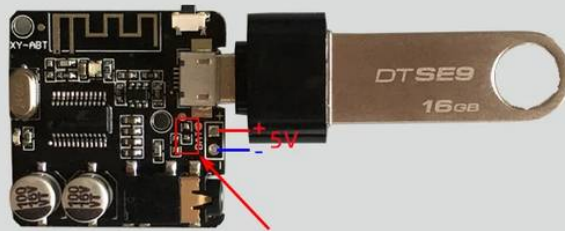


Support U disk playback



U disk playback needs to short-circuit the two contacts in the red box, plug in the U disk, and 5V power supply (some old U disks require 5V power supply); open the APP to switch the "U disk" mode, accompanied by a prompt sound, enter the U disk Play mode.

Support U disk playback

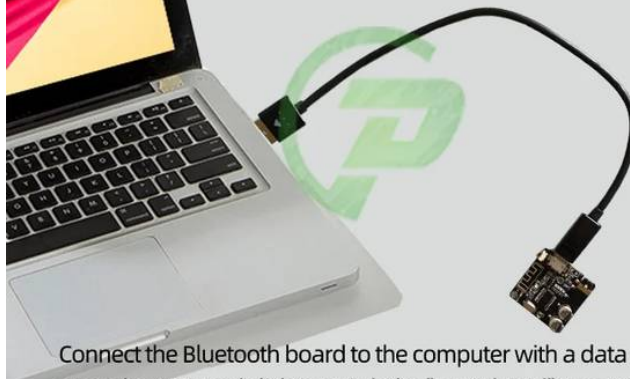


U disk playback needs to short-circuit the two contacts in the red box, plug in the U disk, and 5V power supply (some old U disks require 5V power supply); open the APP to switch the "U disk" mode, accompanied by a prompt sound, enter the U disk Play mode.



Computer sound card function

Can output better signal than computer sound quality.



Connect the Bluetooth board to the computer with a data cable, open the APP, and click to switch the "sound card" to complete the switch and play with the prompt sound. Open the computer playback software to play music.

Note: Most computers will automatically recognize sound card playback, some computers may need to be set as shown below







Easily turn on auditory enjoyment

HIGH-RISE AUDIO EQUIPMENT







Bluetooth 5.0 PRO:

The main parameters:

Power supply: 3.7-5V

Signal-to-noise ratio: 90DB

Total Harmonic Distortion + Noise: -70dB

Crosstalk: -86DB

Support profiles: A2DP/AVCTP/AVDTP/AVRCP/HFP

Transmission distance: 15M (open without partition)

Decoding format: WAV+APE+FLAC+MP3 lossless decoding, stereo output

New features of Premium Edition and BT5.0-Audio PRO:

While charging and discharging:

This product has a circuit of charging and discharging, which can be powered by USB power supply, and truly realize the function of charging and discharging. Solve the pain points that some products cannot be used during charging.

When powered by a single USB: the red light flashes, indicating that the power supply is normal.

When powered by a single battery: the yellow light is always on, indicating that the battery power is normal; the yellow light is flashing, indicating that the battery is low.

When the USB and the battery are connected at the same time: the red light flashes to indicate that the battery is being charged; the red light is always on to indicate that the battery is fully charged.

(Note that if the USB input is suddenly disconnected during the charging and discharging process, there will be a few seconds of interruption due to the switching of the charging and discharging mode, and then the Bluetooth will automatically restart, automatically connect and maintain the previous playback state)

Incoming call voice call function:

After the Bluetooth connection is complete, turn on the call audio mode in the Bluetooth settings. If the phone calls, you can answer or hang up the call through the PLAY/STOP button. You can choose to send the call from the microphone of the original headset (provided that the headset has the call function, which is 4-stage) or send the call from the onboard microphone

When the computer sound card is used:

Solder the pads in the two boxes corresponding to the Sound Card on the back of the module, and then connect it to the computer USB interface through the usb cable, which can be used as a sound card. That is, the sound played by the computer is output through the audio interface of the module. (not enabled by default)

Package Included:

1* MP3 decoder board



Active audio



Power amplifier



Car AUX



Ordinary earphones

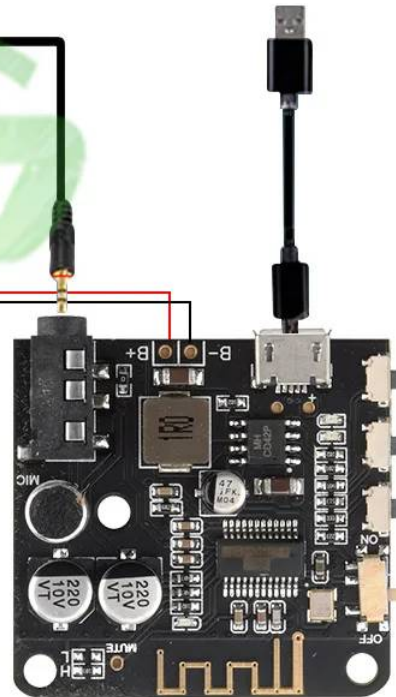
Car charger



charger

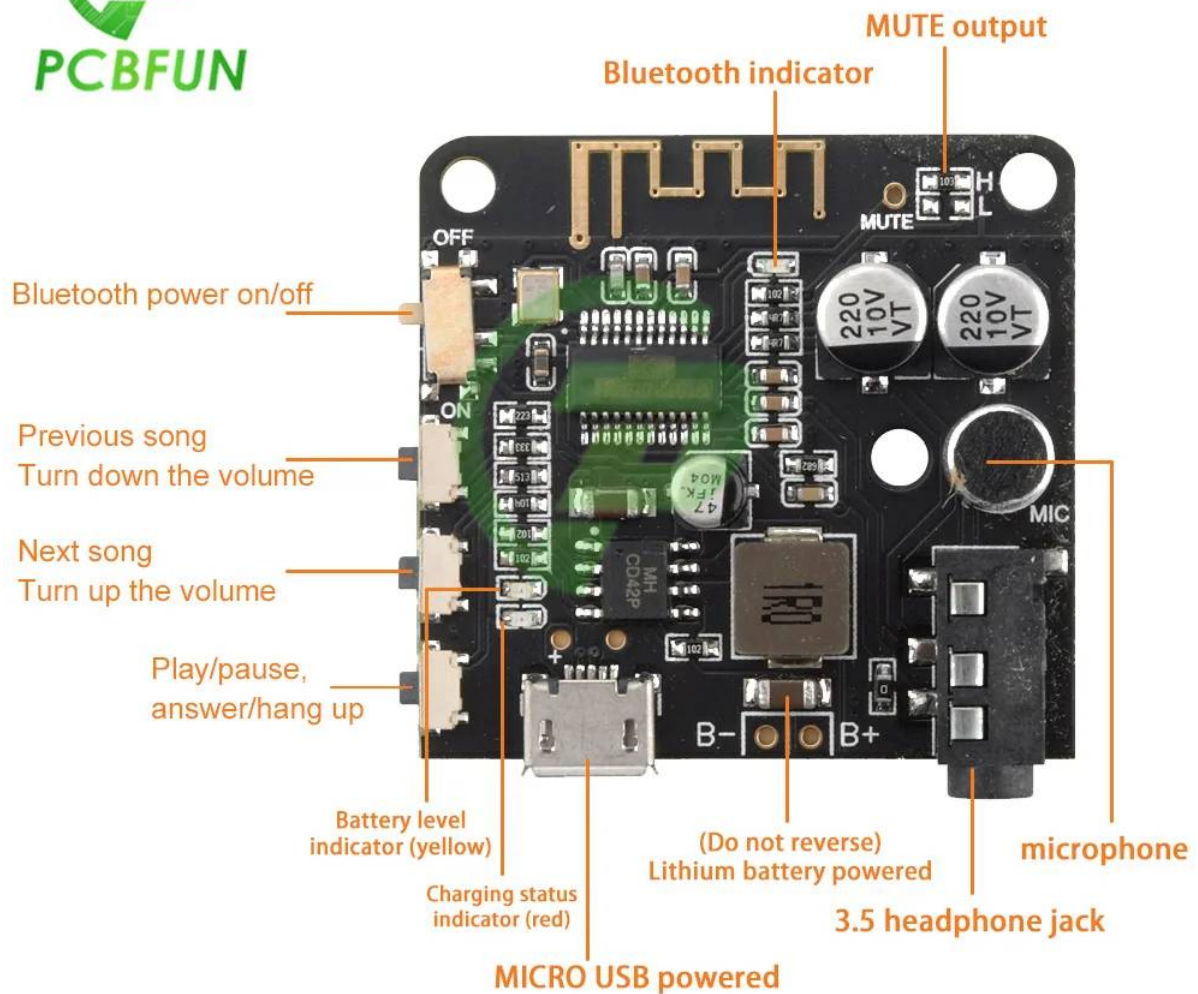


power Bank





BT5.0-Audio-PRO:



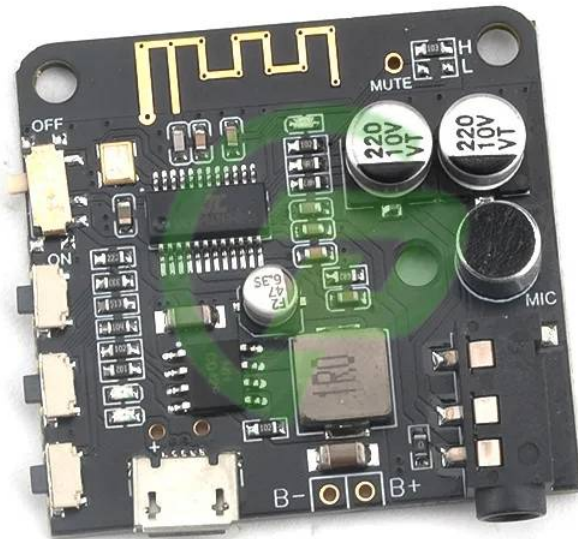


BT5.0-Audio-PRO:



Selection of call
sending mode

Sound card selection



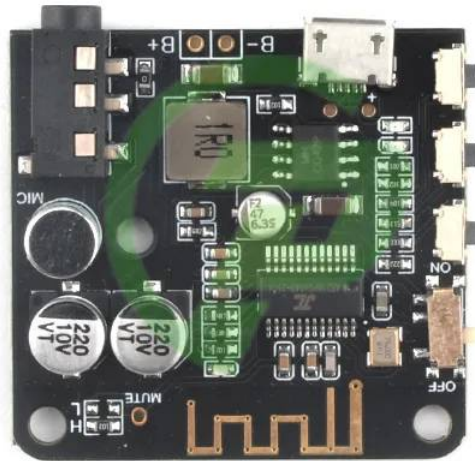




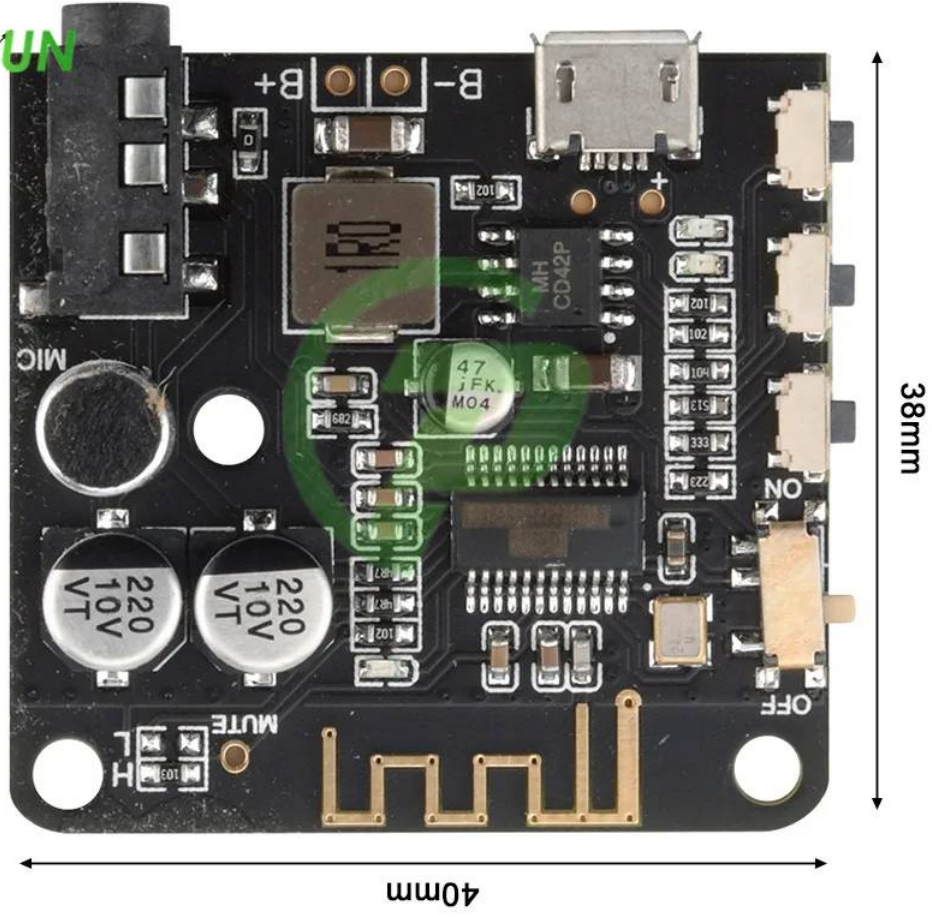












SHOPPING GUIDE



PAYMENT



SHIPMENT

Shipping Method	Courier	Shipping Time
Express Shipping	DHL Express	About 3-10 days
	EMS Shipping	About 3-10 days
Standard Shipping (for order over USD5)	Aliexpress Standard Shipping	About 20-45 days
	Registered Air Mail(china post/e packet-only for USA)	About 40-60 days
Economy Shipping (for order under USD5)	Economy Post(finland economy/ SG economy/China economy)	About 40-60 days

FEEDBACK



If you have any problems about the order, please feel free to contact us.

Item as described : ★★★★★ 5 STAR
 Communication : ★★★★★ 5 STAR
 Shipping speed : ★★★★★ 5 STAR

If satisfied with our products, kindly leave a 5-star rating and share with your friends.