

ZK-1002M 100W+100W Bluetooth 5.0 Power Audio Amplifier Board Amplifier For Speakers Stereo AMP Amplificador Home Theater AUX USB

Description

Description:

Product name: MINI 2*100W Bluetooth 5.0 power amplifier module

Product model: ZK-1002M

Chip scheme: domestic power amplifier chip

Audio input: Bluetooth + AUX + U disk + computer USB (plug and play)

Adapter power supply: DC5-24V (high voltage is recommended for high power)

Adapted speakers: 20-200W; 4-8Ω

Number of channels: left and right dual channels (stereo)

Bluetooth version: 5.0 (>15 meters, unobstructed)

Bluetooth name: Wuzhi Audio

Protection mechanism: over current, over heat, short circuit protection

Product size: 60x60x29mm

Product weight: about 104g (including packaging)

Tips: There will be enough output power only when the audio input is enough and the power supply/current is enough. The higher the power supply voltage, the higher the relative power, and speakers with different impedances will have different output powers. In the case of sufficient voltage and current, the larger the horn ohms, the smaller the relative sound power.

voltage:

12V-----8 ohms/20W+20W, 4 ohms/40W+40W

15V-----8 ohms/35W+35W, 4 ohms/60W+60W

19V-----8 ohms/55W+55W, 4 ohms/80W+80W

24V-----8 ohms/70W+70W, 4 ohms/100W+100W

Bluetooth amplifier module selection table

Model	502M MINI	502H HIFI	1002M MINI
Picture			
Feature	1、 Domestic chip 2、 Unfiltered, standard sound quality	1、 Imported chip 2、 With filter, high performance filter , HIFI sound quality	1、 Domestic chip 2、 Unfiltered, general filter, high quality sound quality
Audio input	Bluetooth+AUX+U-SB flash disk+Computer USB	Bluetooth+AUX+U-SB flash disk+Computer USB	Bluetooth+AUX+U-SB flash disk+Computer USB
Power	50W*2	50W*2	100W*2
Cooling fin	Large	Large	Large
Speaker	10~100W;4~8Ω	10~100W;4~8Ω	20~200W;4~8Ω
Protection	Overheat,Overcurrent、 Short circuit	overvoltage, undervoltage, overheating, DC detection, short circuit protection	Overheat,Overcurrent、 Short circuit
Size	60*60*29mm(shell)	60*60*29mm(shell)	60*60*29mm(shell)
Weight	60g(shell)	68g(shell)	66g(shell)

MINI 100W+100W

ZK-1002M

2.0 stereo Bluetooth digital power amplifier

Multi audio input and output

Make it

**Audio
input**

☒ Bluetooth 5.0 ☒ AUX ☒ U disk ☒ Computer USB

**Audio
output**

☒ Active speaker output ☒ Passive speaker output

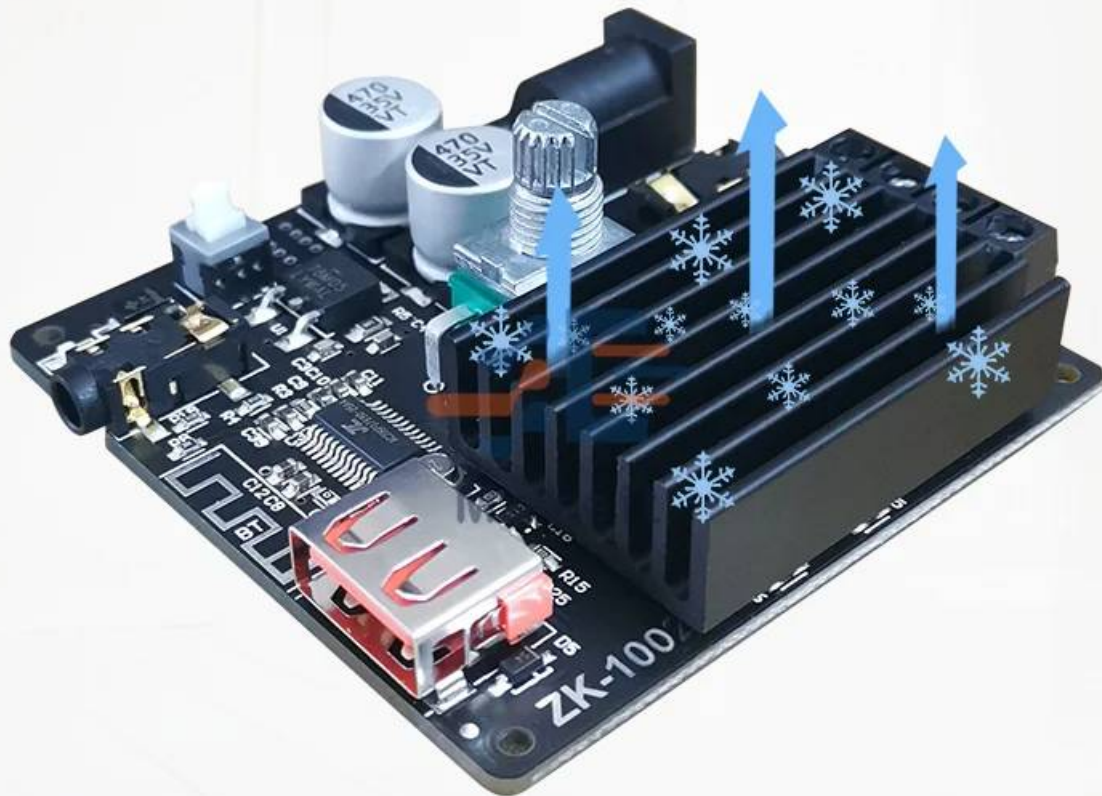


The power supply cannot be connected to the 24 V battery pack

The actual maximum voltage of 24 V battery is about 28 v



◆ Large heat sink ◆



Large heat sink
36mm*25mm*10mm

◆ Application Scenarios ◆

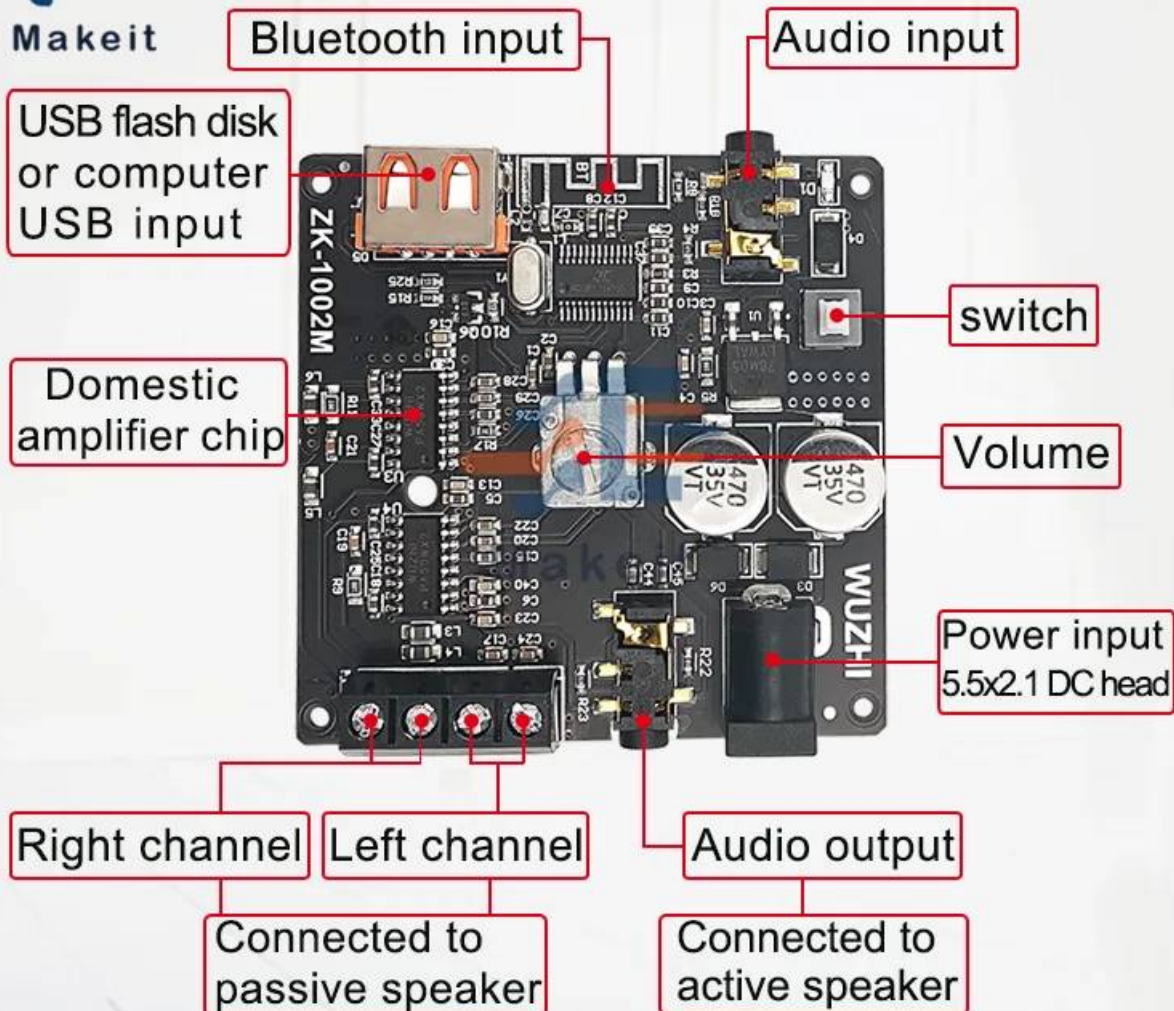


◆ Product Parameters ◆

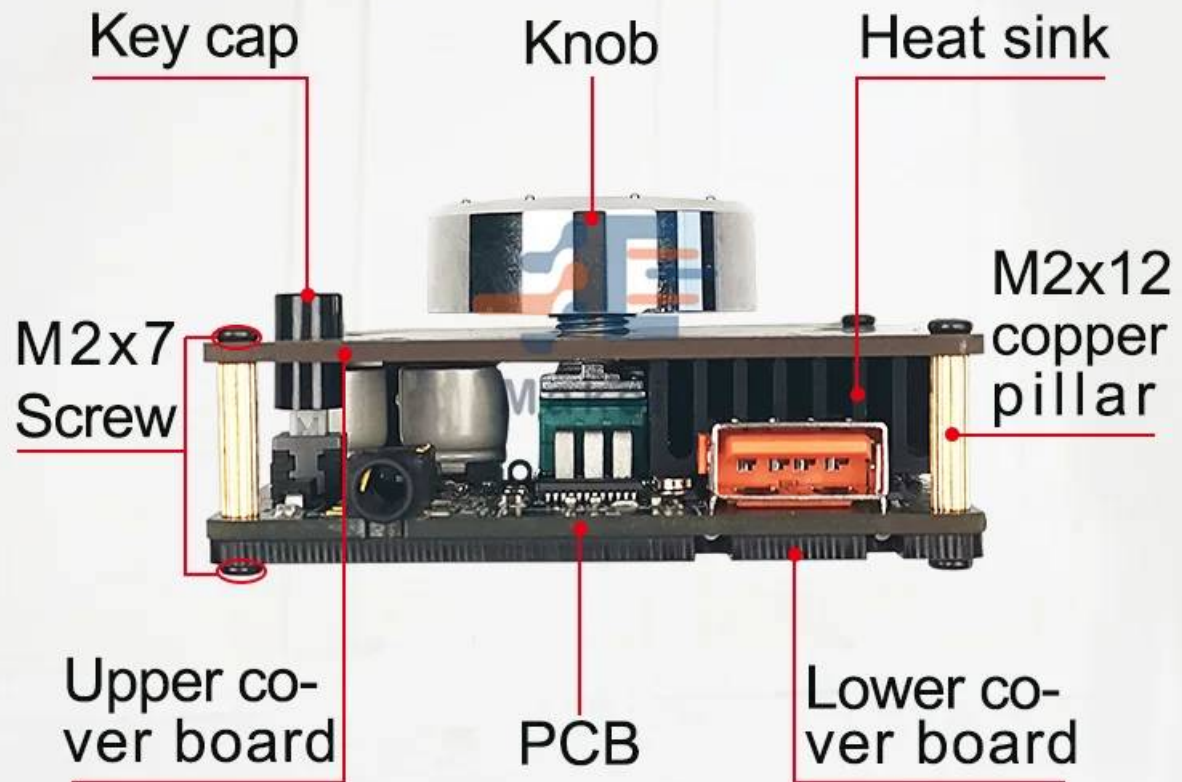
Product Name	MINI 2*100W Bluetooth5.0 power amplifier module
Product model	ZK-1002M
Chip model	Domestic amplifier chip
Audio input	Bluetooth+AUX+USB flash disk+Computer USB(plug and play)
Power Supply	DC5-24V(high power recommended high voltage)
Adapter speaker	20-200W;4-8Ω
Channels	left and right stereo (stereo)
Bluetooth version	5.0(>15 meters without occlusion)
Bluetooth name	Wuzhi Audio
Protection mechanism	Overheat, Overcurrent, short circuit protection
Product size	60x60x29mm
Product weight	about 104g(packaging)
Tip: To have enough output power if the audio input is sufficient and the supply voltage/current is sufficient. The power supply voltage is higher and the relative power will be larger. The speakers with different impedances will have different output power. In the case of sufficient voltage and current, the larger the ohms of the horn, the smaller the relative sound power. Please pay attention!	
Power supply voltage: 12V-----8Ω/20W+20W,4Ω/40W+40W 15V-----8Ω/35W+35W,4Ω/60W+60W 19V-----8Ω/55W+55W,4Ω/80W+80W 24V-----8Ω/70W+70W,4Ω/100W+100W	

Product Wiring Diagram

Makeit

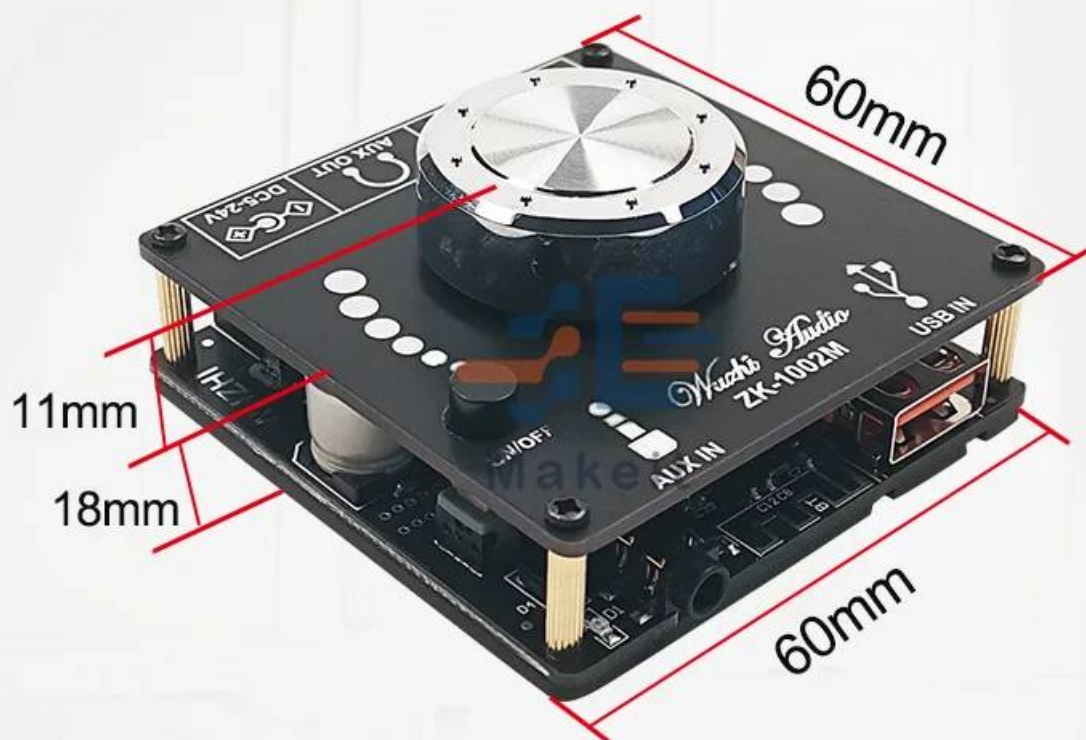


**Note: Passive speakers and active speakers can only choose one
 Usb flash drive file system must be FAT32, maximum support 32GB**





Dimension Drawing

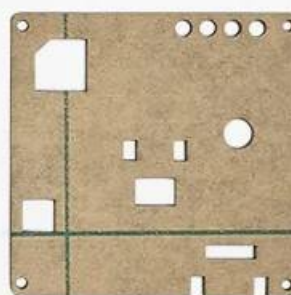


Net weight: about 66g

Weight: about 104g(packaging)



Packing list



Question and answer

1. How to choose a power supply?

The power supply for the module is critical. The power supply requires small output ripple and low internal resistance. The higher the voltage, the higher the current and the better the output power. If you only have 12V 2A, you can bring a 3-4 inch speaker. If you are 19V 5A or above, there is no problem with 8-10 inches, and the power supply must be highly valued. If the voltage is too low, the sound will be distorted after the sound is amplified. If the current is too small, the speaker will pull the voltage low, work abnormally or the sound quality will deteriorate.

It is recommended to use 18V19V24V power supply with current above 3A. If you only have 9V12V or 1A 2A power supply, it can also be used but the power is small. Please pay attention to the maximum volume when using it, which may affect the sound quality.

2. How to choose a speaker?

The commonly used horn is usually 4 ohm or 8 ohm. If your speaker power is small, it may be used between 20W-50W. The power supply voltage is small to prevent the amplifier from burning out after burning. For example, select a power supply below 15V. If you are a 50W-200w speaker, don't worry about the speaker burnout. You can choose 12-24V power supply. The higher the voltage you choose, the louder the output sound or power. The speaker power is not recommended to exceed 100W, otherwise the sound quality will be affected.

3. How to choose Bluetooth or AUX audio input mode?

This audio amplifier module follows the principle of hardware connection first. A successful USB connection is in USB mode, and AUX insertion is in AUX mode. If the USB is not connected and AUX is not plugged in, it is in bluetooth mode, which supports automatic reconnection. Mode toggle with mode prompt. When choosing USB audio input mode, it is important to note that USB can directly connect to the computer and other devices with USB audio output without installing a driver. USB input is lossless input, good sound quality, no interference, no noise.

4. When the sound becomes louder, the phenomenon of turbid sound appears.

The sound is distorted. Please change the adapter power supply with a higher voltage rating.

5. After the sound becomes louder, the sound is stuck.

The input power is insufficient, and the power supply itself is intermittently powered off. Please replace the power supply with a larger power. Or the output power is too large, the power amplifier board is seriously heated, and thermal protection occurs, reducing power usage or enhancing heat dissipation.

How to place an order



Payment



1) We accept Alipay, West Union, PayPal. TT. All major credit cards are accepted through secure payment processor ESCROW.

2) Payment must be made within 3 days of order.

3) If you can't checkout immediately after auction close, please wait for a few minutes and retry Payments must be completed within 3 days.

Shipping Channel

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

Sales Service



Feedback



Your feedback is really important to us ,
please take a few seconds to leave great feedback if you are satisfied
with our product or service,so many thanks!

If our goods or service does not satisfy you,or any
questions ,pls contact us and give us a chance to improve
before open a dispute or leaving any type of feedback.



Please give us five-star feedback

