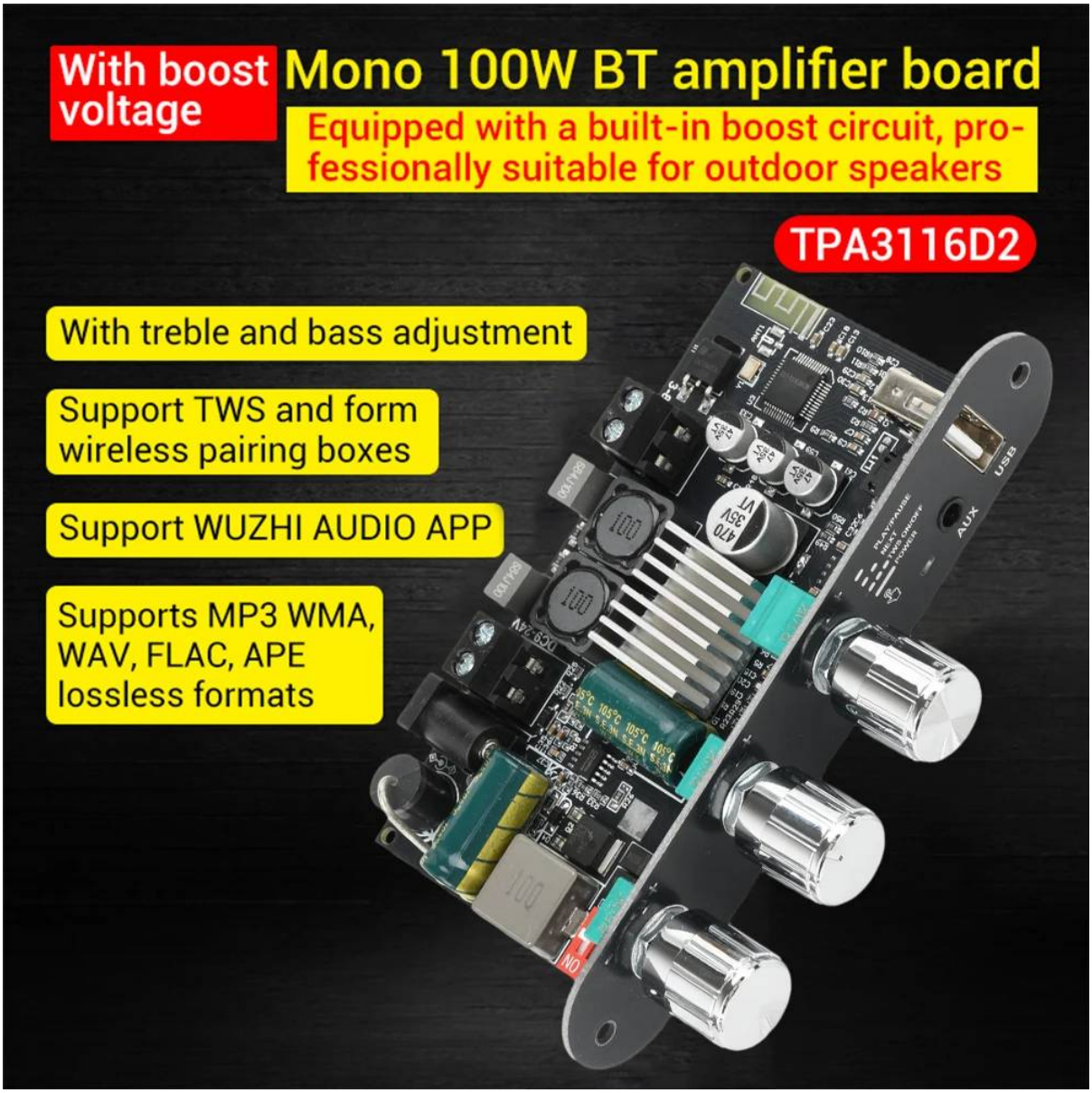
ZK-1001U DC 9-24V BT Audio Power Amplifier Module 100W Mono Amplifier Board AMP Module for Home Theater TPA3116D2 Description: 1. Efficient connection: With a transmission distance of up to 15 meters, it supports multiple input methods such as BT, AUX, USB flash drive, and USB sound card. 2. Built in boost circuit: compatible with DC9-24V power supply, especially suitable for outdoor and mobile speakers powered by batteries. 3. Multi functional button control: One click to play/pause, switch tracks, power on/off, and enter TWS mode, easy to operate. 4. Powerful box function: Two sets of equipment can be combined to create left and right channel stereo sound, with strong spatial positioning and suitable for DIY production. 5. Intelligent protection mechanism: equipped with anti reverse, over temperature, over current, short circuit, and anti-static protection to ensure safe and stable use. Parameter: Product model: 1001U Product Name: Single channel 100W BT amplifier module with boost and high/low frequency adjustment Amplifier chip: TPA3116D2 BT version: 5.3 BT transmission distance: 15 meters Audio input: BT+AUX+USB flash drive+USB sound card Audio output: Mono 100W Suitable power supply: DC9-24V, ≥ 4A (cannot be connected to AC power), suitable for 7.4V12V21V and other batteries, not suitable for 24V batteries, fully charged will cause overvoltage. Compatible speaker: 20-100W, 3-8 Ω Volume adjustment: Total volume with buttons Click: Play/Pause Double Click: Next Three Click: Enter or Exit T W S Mode Long Press: Power Off/On Protection mechanism: Input anti reverse, over temperature, over current, short circuit, anti-static protection Featured feature: Supports Wuzhi Audio APP. Modify BT name, password settings, adjust the volume of prompt sound, turn on/off prompt sound, sleep aid music, firmware upgrade, and more. The box function and true wireless function allow two sets of speakers to be combined into a left and right channel box, providing a stronger sense of spatial positioning. Product size: 99x75x22.8mm Box function: This function requires the purchase of two sets of amplifier boards to form a box. This product is very suitable for DIY simple mono amplifiers, with built-in boost circuits, and is very suitable for battery powered outdoor speakers, telescopic speakers, and mobile speakers for upgrading, modification, or production. After TWS interconnection, two independent speakers instantly become left and right channel stereo speakers, achieving true wireless connection. Package Include: 1X amplifier board (heat sink and knob cap need to be installed by oneself)


With boost voltage
Mono 100W BT amplifier board
Equipped with a built-in boost circuit, professionally suitable for outdoor speakers
TPA3116D2
With treble and bass adjustment
Support TWS and form wireless pairing boxes
Support WUZHI AUDIO APP
Supports MP3 WMA, WAV, FLAC, APE lossless formats
USB
AUX

Product Features

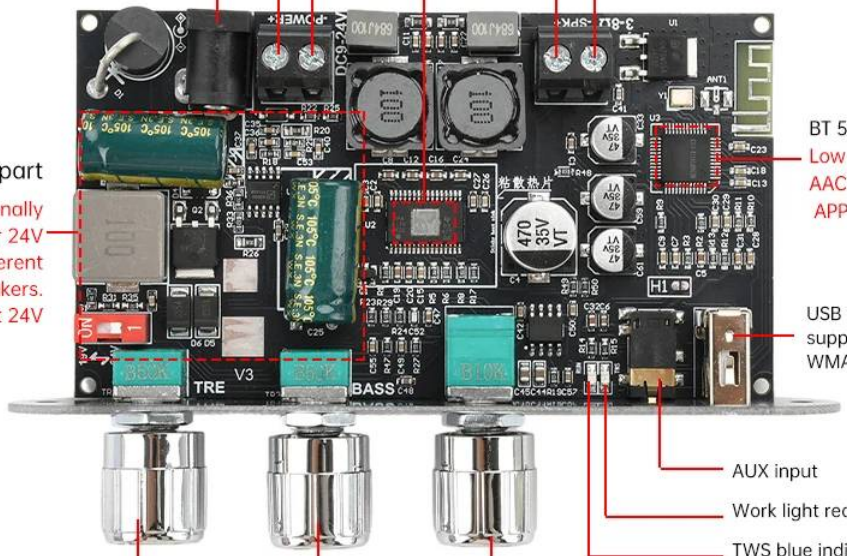


Enlarged heat sink
(with adhesive backing)

Original import TIA3116D2
(Heat sink is attached to the chip)

Power input DC9-24V
(DC female 5.5*2.1),
or terminal block

Connect horn



Booster circuit part

This can be optionally boosted to 19V or 24V to meet different power speakers. Factory default 24V

BT 5.3H
Low latency, support AAC decoding, support APP and TWS

USB flash drive supports MP3/ WMA/WAV/FLAC/APE

AUX input

Work light red

TWS blue indicator

Treble Adjustment

Bass adjustment

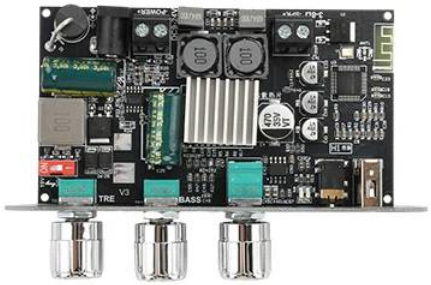
Multifunction button
Click Play/Pause
Double click: Next track
Three strikes: Enter or exit TWS mode
Press and hold to switch the machine on and off

Pair Box Function

This function requires the purchase of two sets of amplifier boards to form a pair of boxes.

This product is perfect for DIY simple mono amplifier with its own boost circuit, ideal for battery-powered outdoor speakers, trolley speakers, mobile speakers for upgrading or production. After two independent stereos are interconnected by TWS, they instantly become left and right channel stereo stereos, realising true wireless connection.

Left speaker



Counter Box Function

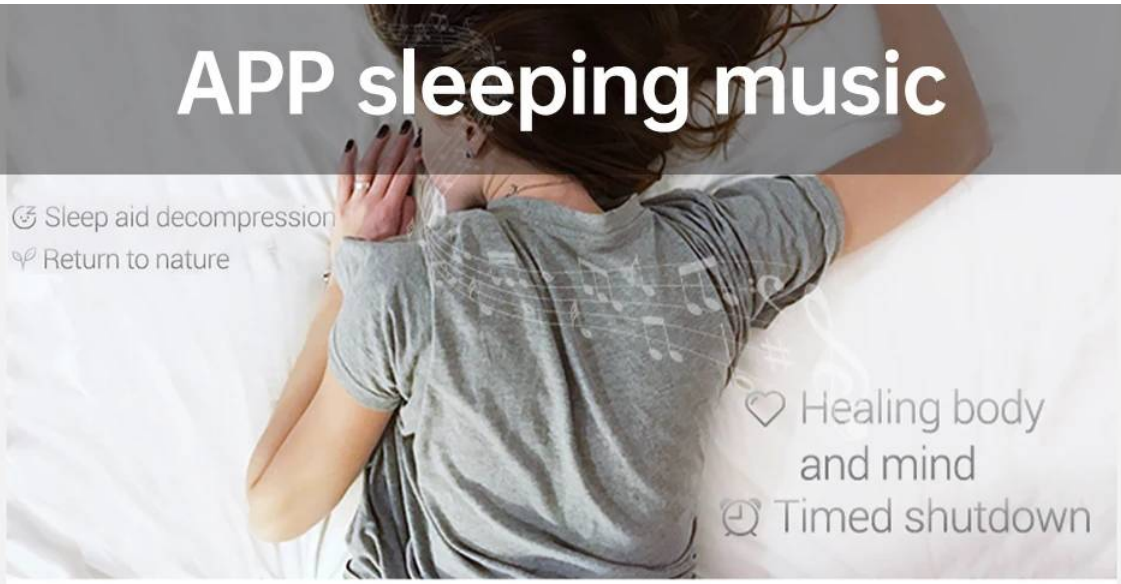
Right speaker



Introduction to the operation of the box function:

1. Open two power amplifiers of the same model.
2. Choose a power amplifier at any time and hit the total volume knob with the button function in three consecutive strokes, at this time
The blue TWS indicator flashes, and the other power amplifier is automatically paired with the stereo combination. (If the pairing is not successful within 15 seconds, the pairing mode will be automatically cancelled, you can try again with three keys)
3. If the pairing is successful, the selected one will be assigned to the left channel with the blue indicator on, and the other one will be the right channel with the blue indicator blinking slowly.
4. The next time you start the machine, it will automatically find the right box. If you want to cancel the box mode, you only need to select a power amplifier, three in a row button can be.

APP sleeping music



10 SOUNDS OF NATURE

up to 1023 sound combinations

Sound bowl | Stream | Wave | Sea wave

Thund-erstorm | Bird song | Cry of insects | Frogs

Bonfire | Guqin

10 kinds of natural sounds create unique natural sound scenes, create a natural atmosphere, quickly calm your mood and realize deep sleep.

App is equipped with timed shutdown function

APP comprehensive functions

Change BT name

The BT name of each product can be changed, and multiple products can be easily identified.

Change BT password

The BT connection password can be modified to prevent others from hijacking. This function can be turned off.

Adjust the volume of prompt tone

The volume of prompt tone can be adjusted to meet different needs of customers.

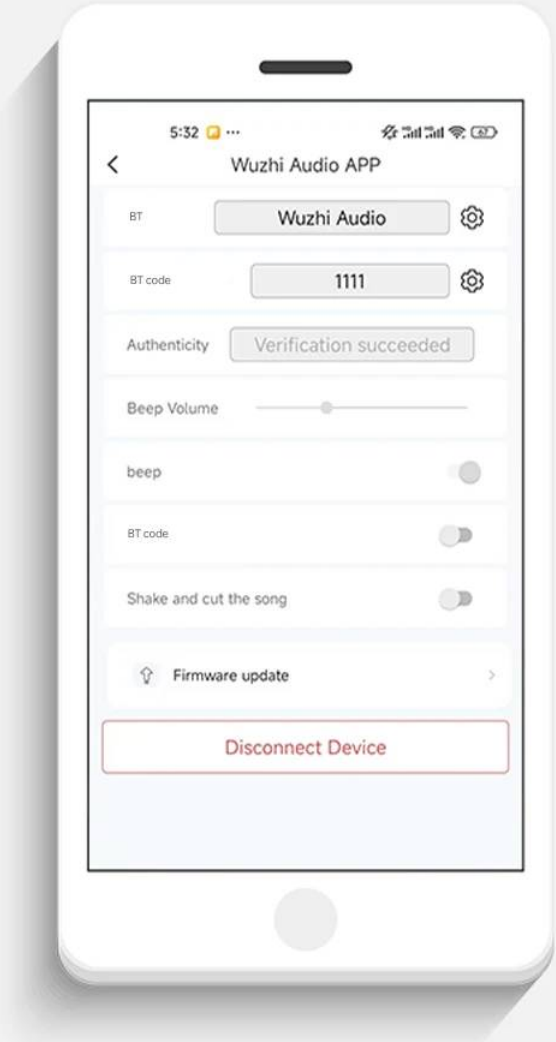
ON / OFF prompt tone

The prompt tone can be turned on or off.



Firmware Update

APP setting interface



BT name modification steps

[Enter a new BT name] → [Click set button] → [System automatic restart] → [Cancel pairing of mobile BT with the original BT name] → [Find a new BTname and re pair]

BT password setting steps

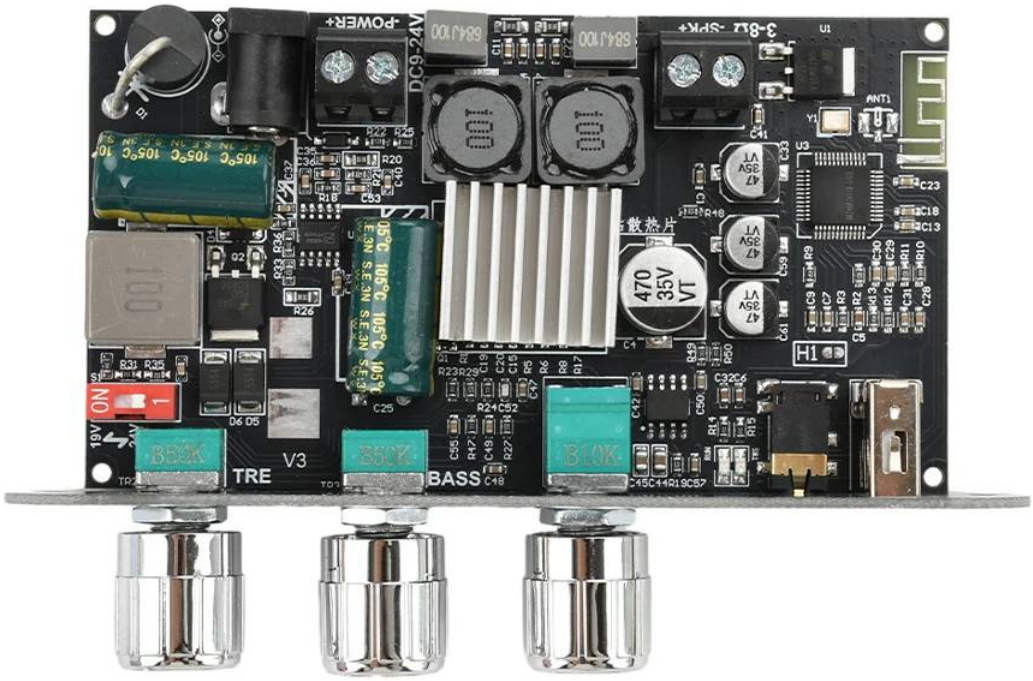
Method 1:
[Turn on BT password switch] → Use default password 1111

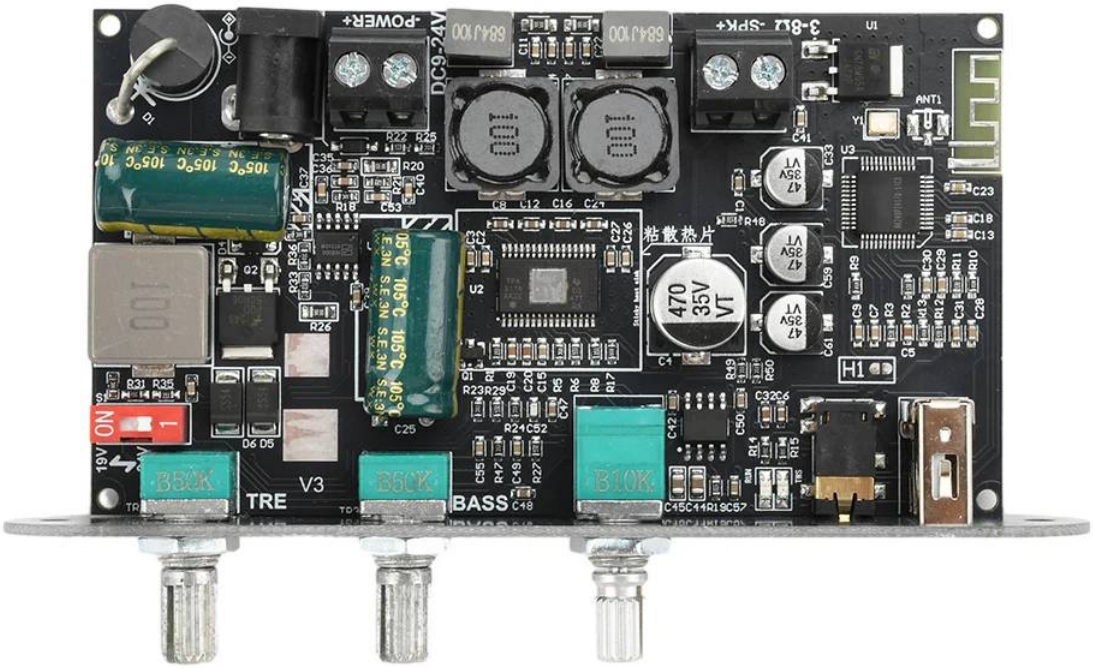
Method 2:
[Turn on BT password switch] → [Enter password] → [Click the setting button] → [The system will restart automatically] → [Cancel pairing, and you will be prompted to enter password when connecting again]

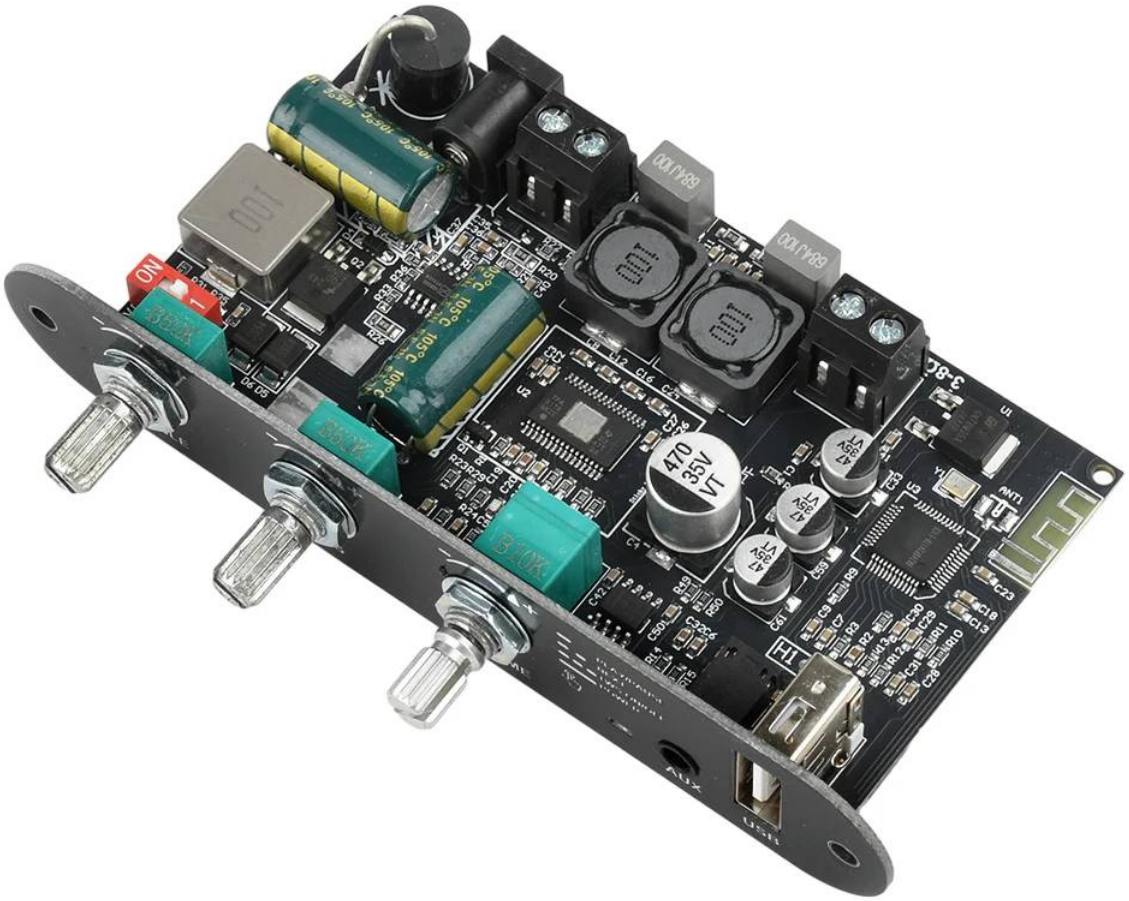
Product parameters

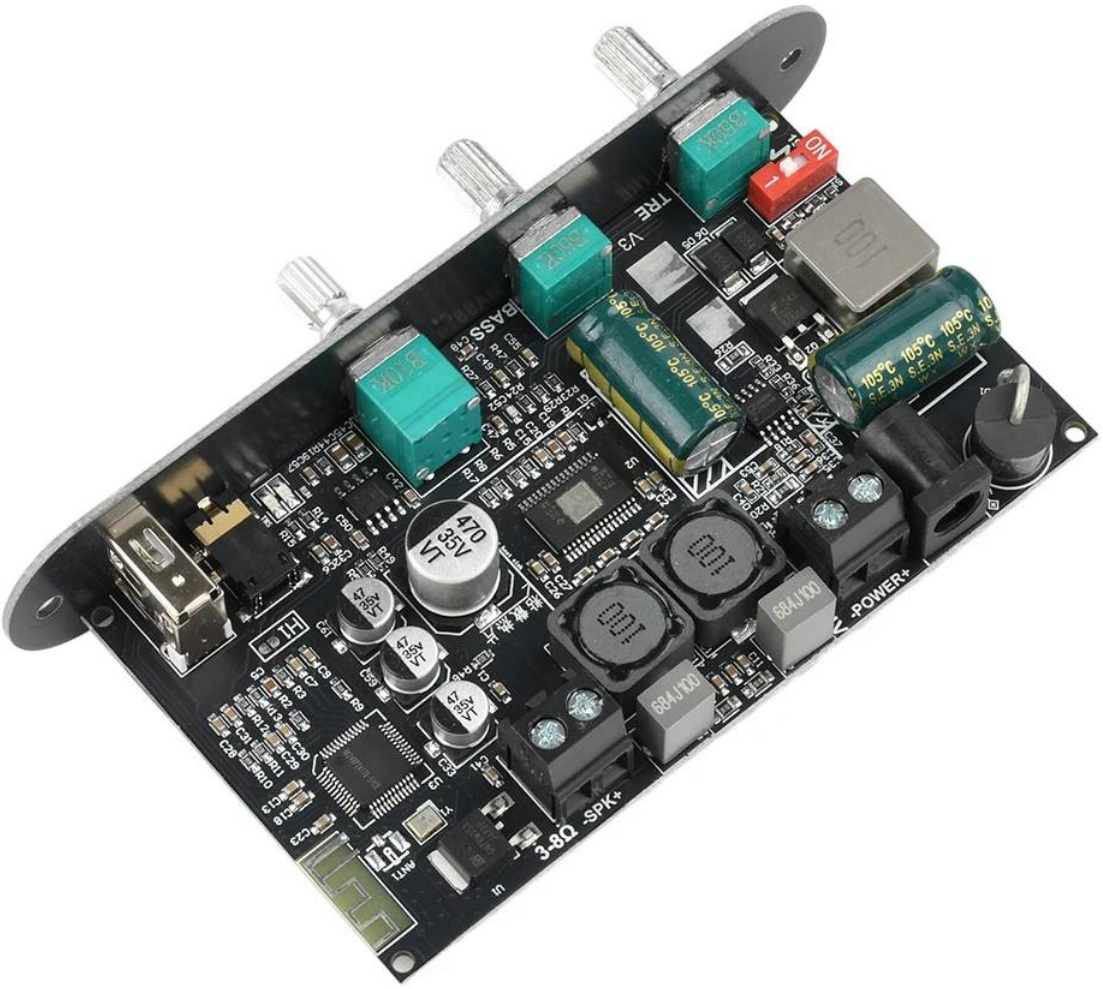
Brand: Wuzhi Audio		
Model: ZK-1001U		
Name: Mono 100W BT amplifier module with bass and treble		
Amplifier chip: TPA3116D2		
BT version: 5.3		
BT transmission distance: 15m		
Audio input: BT+AUX+USB disk+USB sound card		
Audio output: Mono 100W		
Adaptive power supply:	DC9-24V, ≥ 4A (cannot be connected to AC power), suitable for batteries such as 7.4V12V21V, not suitable for 24V batteries, fully charged will cause overvoltage.	
Adaptive speaker: 20-100W， 3-8Ω;		
Volume control:	Total volume (with button)	Click: Play/pause Double click: Next Three Click: Enter or exit TWS mode Long press: Turn off/on
Protection mechanism:	Input anti-reverse connection， Over temperature, over-current, short circuit,	
Characteristic function:	Support Wuzhi audio app. Modify BT name, password setting, volume adjustment of prompt tone, on/off prompt tone, sleep music, firmware upgrade, etc. Box matching function, the true wireless function enables the two sets of speakers to be combined into left and right channel boxes, with a stronger sense of spatial positioning.	

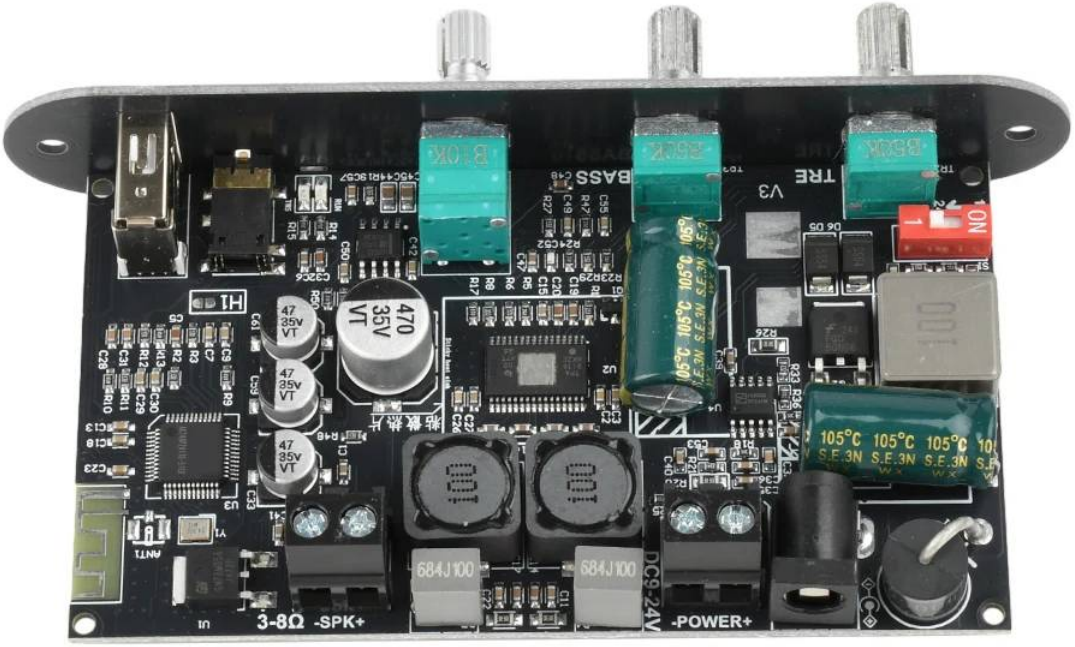

PLAY/PAUSE
NEXT
TWS ON/OFF
POWER
TREBLE
BASS
VOLUME
AUX
USB


POWER+
DC9-24V
3-8Ω -SPK+
ANT1
470
35V
VT
ON
V3
TRE
BASS
H1

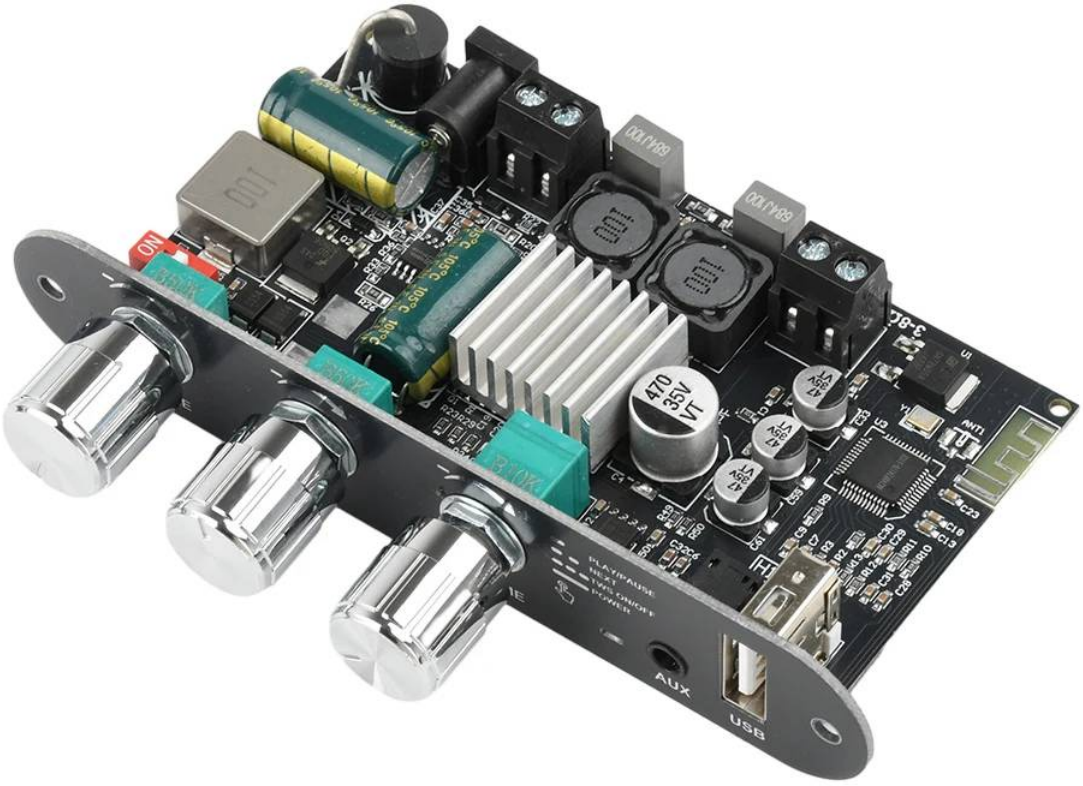

POWER+
DC9-24V
3-8Ω -SPK+
ANT1
粘敷热片
470
35V
VT
B50K
TRE
V3
B50K
BASS
B10K
ON
19V
H1


ON
AUX
USB

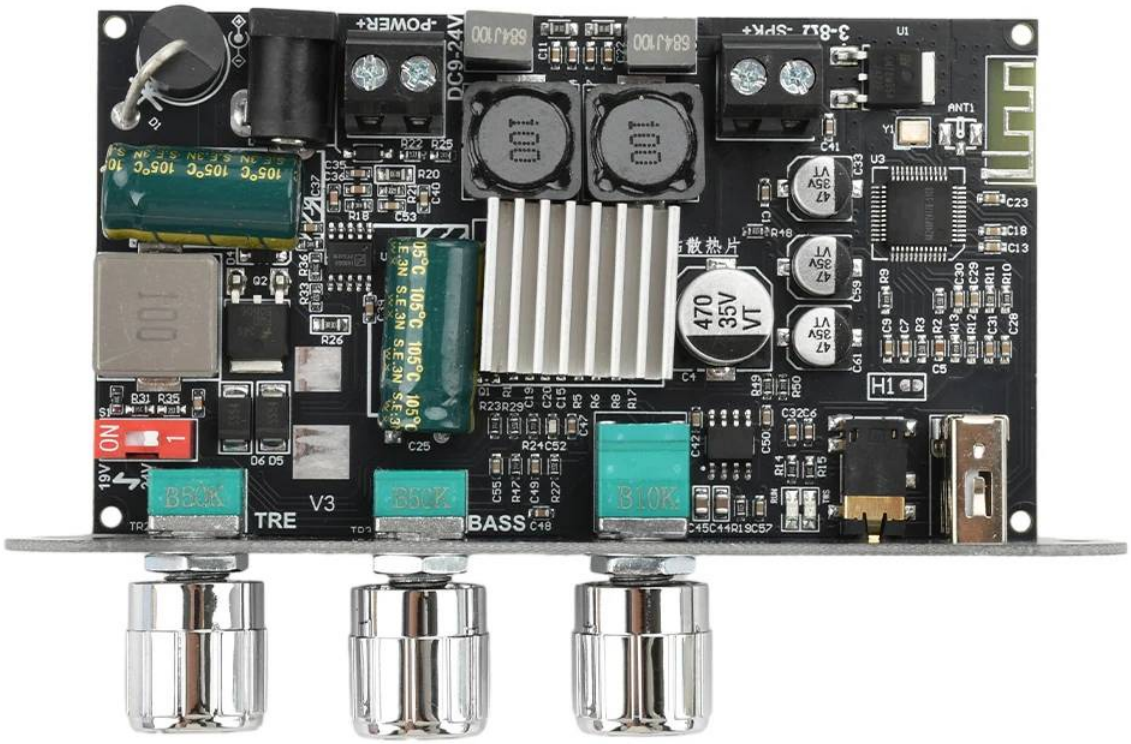

ON
TRE
V3
BASS
470
35V
-POWER+
3-8Ω -SPK+


BASS
TRE
V3
ON
470
35V
VT
105°C 105°C 105°C
S.E.3N S.E.3N S.E.3N
684J100
684J100
3-8Ω -SPK+
-POWER+
DC9-24V


PLAY/PAUSE
NEXT
TWS ON/OFF
POWER
AUX
USB

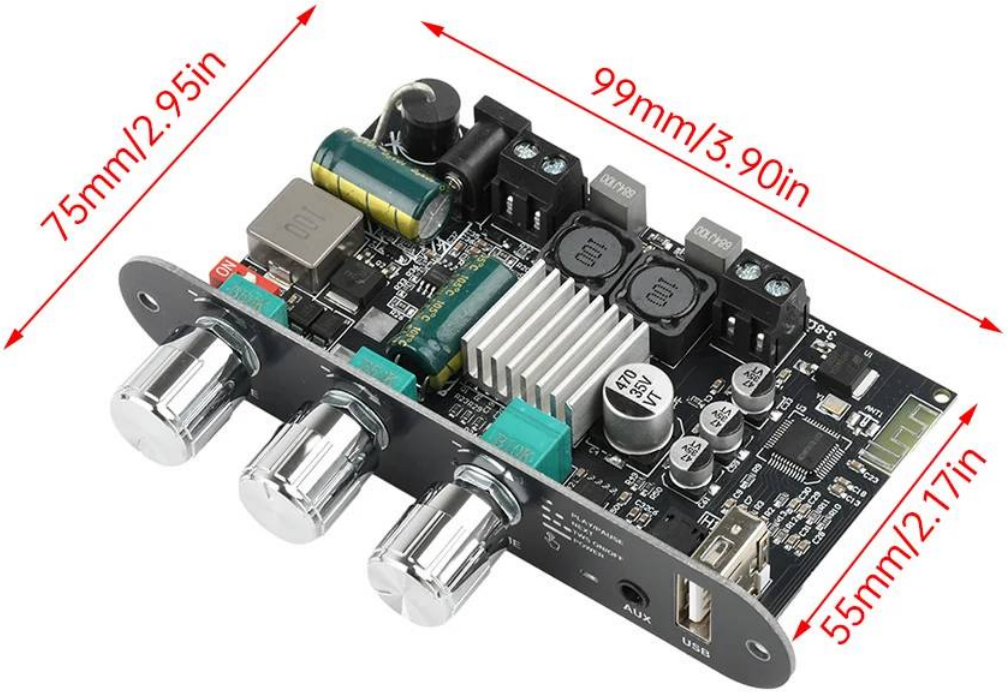

ON
470
35V
AUX
USB


PLAY/PAUSE
NEXT
TWS ON/OFF
POWER
AUX
USB


-POWER+
DC9-24V
3-8Ω -SPK+
ANT1
TRE
V3
BASS
B50K
B50K
B10K
ON
19V
24V
470
35V
VT


PLAY/PAUSE
NEXT
TWS ON/OFF
POWER
TREBLE
BASS
VOLUME
AUX
USB

Product Size



Mounting Dimensions

