

Model: ZK-1001U

Brand: Wuzhi Audio

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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, $\geq 4A$ (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 feature: Box matching function, the true wireless function enables the two sets of

speakers to be combined into

Product size: 99x75x22.8mm
Product weight: Net weight 82g, Weight with package 106g

Original imported TPA3116D2
(The heat sink is attached to the chip)

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

Connect the speaker

Increase the size of the heat sink (with adhesive backing)

Boost circuit section

You can choose to boost the voltage to 19V or 24V to meet the needs of speakers with different powers.
The default voltage is 24V when it leaves the factory

- BT 5.3 chip
Low latency, supports AAC decoding, supports TWS

- USB drives support MP3/WMA/WAV/FLAC/APE formats

- AUX input

- The work indicator light is red

- TWS blue indicator light

Bass adjustment

Treble adjustment

Multi-Function buttons

- Click: Play/Pause
- Double click: Next track
- Triple tap: Enter or exit TWS mode
- Long press: Power on/off

Technical drawing of the front panel of the MP3 player. The panel is black and features three large circular knobs labeled 'TREBLE', 'BASS', and 'VOLUME'. To the right of the knobs are several controls: a 'PLAY/PAUSE' button, a 'STOP' button, a 'SKIP' button, a 'REPEAT' button, a 'POWER' button, an 'AUX' port, and a 'USB' port. The dimensions are indicated by red lines and text: the overall width is 115.5mm, the overall height is 27.8mm, the width of the control area is 105mm, the width of the knob area is 11.4mm, the height of the knob area is 8.6mm, and the diameter of the USB port is $\phi 3.2\text{mm}$.

Figure 1 shows the front view of the Wuzervon ZK-1001U device. The dimensions are as follows:

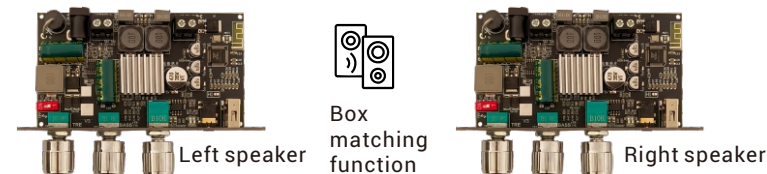
- Width: 95.5mm
- Height: 55mm
- Spacing between mounting brackets: 23mm
- Mounting hole diameter: $\phi 2.2\text{mm}$

Box matching function

You need to buy two sets of power amplifier boards to form a matching box

This product is very suitable for DIY simple mono amplifiers, with built-in boost circuits, and is very suitable for upgrading or producing battery powered outdoor speakers, telescopic speakers, and mobile speakers.

After TWS interconnection, two independent speakers instantly become left and right channel stereo speakers, achieving true wireless connection.



Introduction to box matching function and operation

1. Turn on two power amplifiers of the same model.

2. Select a power amplifier at will, and press the total volume knob with key function inwards three times. At this time, the blue TWS indicator flashes, and the other power amplifier is automatically paired with it as a stereo combination. (If the pairing is not successful within 15 seconds, the pairing mode will be canceled automatically. You can try again by pressing the key three times.)

3.If the pairing is successful, the selected one will be assigned to the left channel, and the blue indicator will always be on. The other one is the right channel, and the blue indicator will flash slowly.

4. The next time you start the machine, you will automatically find the right box. If you want to cancel the box matching mode, you only need to select a power amplifier and press the button three times.

FCC Statements

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

This product must be installed and operated with a minimum distance of 20 cm between the radiator and user body.

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.