

Manual

1: Product Description+Features

- ▲ Bluetooth version 5.3
- ▲ Sound source modes: BT, AUX
- ▲ Touch control
- ▲ 10 lighting modes
- ▲ TWS Interconnection
- ▲ Dual bass radiator , transparent diaphragm

2. Product picture



3. Basic product parameters

Test Object		H516	Test Condition	Model	F0	Power	Load
				AUX/BT	1kHz	4.2V	4Ω
No.	Project			Parameters (Test Results)		Remarks	
1	Output（THD=10%）			5.29W		>4.2W	
2	Input sensitivity （THD=10%）			670mV		±50mV	
3	Signal to Noise Ratio （Pout=1W）			30.8dB		±3dB	
4	Distortion（Pout=1W）			4.4 %		<5%	
5	Noise			40mV		±10mV	
6	static working current			77mA		±10mA ； Power amplifier section	
				153mA		±10mA； When the maximum energy consumption of LED lights is reached	
7	Maximum operating current			2089mA		±50mA（THD=10%）； Including lights	
8	frequency response			115Hz-13.5kHz		±3dB	
9	Connection distance			>10m		Barrier free straight-line distance	
Main device specifications of the product							
No.	Item			Specification/Model		Remarks	
1	master control			AC6965E		JL； VERSION5.3	
2	Power amplifier			HAA9806		Class D boost, anti distortion sound	

3	Vocal tract	Mono	
4	Speaker	2.0" (4Ω/10W)	internal magnetic speaker
5	Battery	18650/1800mAh	with discharge protection
6	Charging specifications	DC5V、≥550mA	tpye-C interface
7	Charging time	≈4.5hrs	low power automatic shutdown, in shutdown state
8	Play time (when the battery is fully charged) Bare machine size master control Power amplifier	≈ 2.3hrs	maximum volume; Light on
		≈ 2.8hrs	maximum volume; Light off
		≈ 4hrs	70% volume; Light on
		≈ 5hrs	70% volume; Lights off
9	Bare machine dimensions	H143*W106.5*D57.2	Unit: mm

4. Product Function Description and Operating Methods

Picture	Operation/Function	
	①	Long touch volume-
		Short touch on the previous song
	②	Long touch volume+
		Short Touch Next Song
	③	Long touch power on/off
		Short touch pause, play
	④	Short touch mode switching (unable to switch modes without inserting AUX cable)
		Long touch light mode switching

	⑤	AUX interface
	⑥	Type-C charging port

- Long touch the power button to turn on the device, automatically enter BT mode, and the lighting effect will turn on. Search for pairing names on mobile phones or other Bluetooth devices and pair them. Synchronize speaker volume control with phone volume control. The next time the speaker is turned on, it will automatically reconnect to the phone or other Bluetooth devices. If it cannot reconnect, manual connection is required.
 - After the first successful connection, the volume defaults to 50%, and the second reconnection defaults to the previous volume value.
 - Bluetooth mode automatically shuts down after 10 minutes of no connection, other modes are invalid.
 - TWS function: When two machines are turned on at the same time, they will automatically connect, and there will be a prompt sound when the connection is successful. After a successful couplet, either device can be controlled to pause or play; Up and down songs; Volume; Lighting (When the lighting effects of the two machines in front of the couplet are different, the switching effect cannot be maintained the same and can only be changed separately).
 - 10 lighting effects: ① light pink constant light, ② seven color random slow change, ③ seven color changing with music, ④ monochrome changing with music, ⑤ monochrome random slow change, ⑥ scrolling effect, ⑦ pure blue constant light, ⑧ pure orange constant light, ⑨ pure green constant light, ⑩ pure red constant light.
 - AUX mode, the previous and next song functions are invalid.
 - Inserting AUX will automatically switch to mode, with voice prompts and playback.
 - When the built-in battery is low, there will be a voice prompt, please charge it in time. Automatically shut down after three low power prompts. When playing at high volume, external charging cannot meet the requirement of charging while playing. The red light on the back indicator lights up when charging, and turns off when fully charged.
 - The current supply capacity of charging equipment and the quality of charging cables will affect the charging speed. Charging specification DC5V; $\geq 800\text{mA}$.
 - The usage area is ≤ 2000 meters.
 - This product is not waterproof, please do not water it or place it in water.
 - Avoid using in high temperature environments or direct sunlight, or dispose of in fire.
- This product has a built-in lithium battery, please do not disassemble or replace it by yourself.

5. FCC WARNING

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. 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.