

Product parameter table

Receiver parameters

Maximum input level····· 4V (RMS)
Maximum output level····· 4V (RMS)
Music Channel Gain····· Max: 12DB
Microphone sensitivity····· 64 MV (OUT: 4 V)
Signal-to-noise ratio····· 80 db
Input Voltage····· DC12V (charging DC15V)

Microphone parameters

RF power output····· $\leq 10\text{MW}$
Oscillation mode····· PLL (digital frequency synthesizer)
Emission Frequency Stability····· & LT; 30 ppm
Dynamic Range····· & Gt. ; 100 db (a)
Frequency Response····· 50 HZ-15 khz
Maximum input sound pressure····· 130 dbspl
Microphone pickup head····· moving loop type
Power supply····· built-in lithium battery (optional: 2(1.5 V) AA alkaline battery)
Pointing characteristics····· Heart-type pointing
Frequency Response····· 0-18 khz
Rated power····· $\leq 10\text{MW}$
Charging time····· about 2-3 hours
Range····· 8-10 hours

Comprehensive Characteristic

Carrier frequency range····· 903.7-926.4 MHZ (depending on applicable country range)
Modulation····· FM FM
Maximum frequency offset····· 45 khz
Frequency Response····· 50 HZ-15 khz
Signal-to-noise ratio (S/N) ······ > 105DB (a)
Distortion (1 khz) ······ < 0.3%
Operating Temperature····· -10 °C-55 °C
Working distance····· 20-100 meters (ideal environment)

DSP Wireless microphone

User Manual

Product instructions

FCC ID : 2AVF8-U-3000



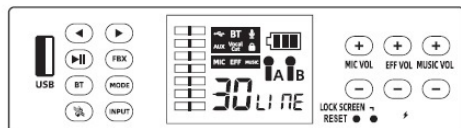
 MARTIN RANGER®

U-902

Thank you for purchasing our products! To give full play to all the features provided by our products, please read the manual carefully and set it up correctly, and keep this manual for future reference.

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Description of the previous edition



1

2

3

1

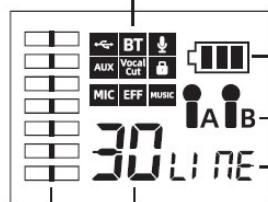


Play music from a u-drive

Last song —> [Previous] [Next] —> Next
 Pause —> [Pause] [FBX] —> Anti-roar (Level 4) +3-3-5-7
 Restart Bluetooth —> [BT] [MODE] —> Patterns (16)
 Cancel the original song —> [Input] [INPUT] —> Enter selection (BT/AUX/COA/OPT)

Status Bar Display:

Flash drive mode BT Microphone Audio input Vocal Cut Eliminate Original mode Keyboard Lock



Electricity indication
 A/B microphone connection instruction
 Enter instructions
 MIC Microphone volume adjustment
 EFF Reverb Volume Adjustment
 MUSIC Music volume adjustment

Volume indication
 Volume level indication

3

LOCK SCREEN RESERT
 Restore factory settings
 Keyboard lock instructions
 (rechargeable) Charging instructions

MIC VOL EFF VOL MUSIC VOL
 Microphone volume Reverb volume Music volume

Use Connection diagrams



Professional amplifier



Passive speaker

Professional mixer



Passive speaker

Card pack power amplifier



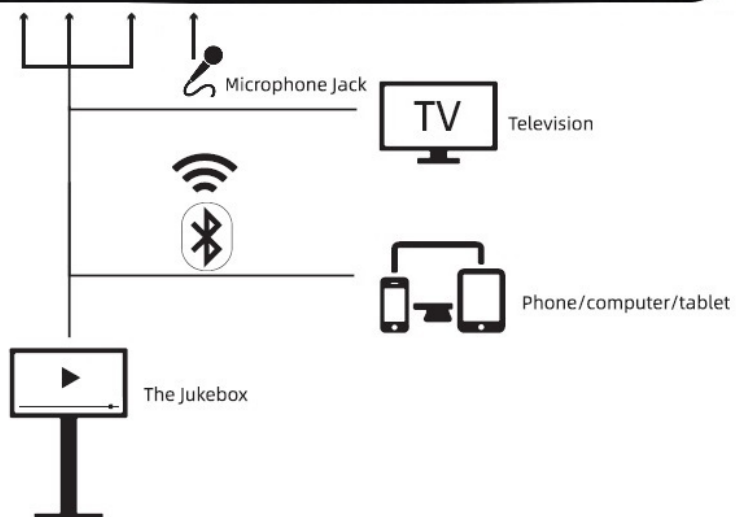
Passive speaker

powered speakers



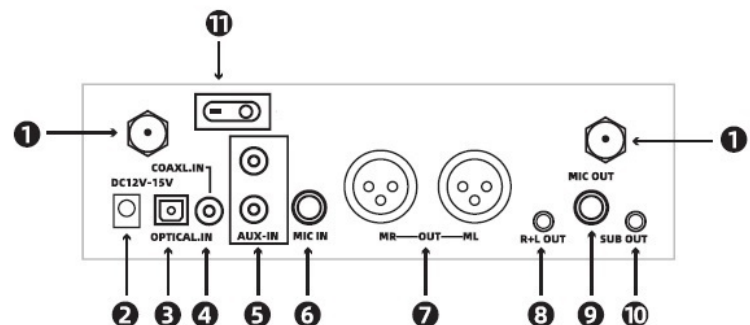
Active heavy bass

Use Connection diagrams



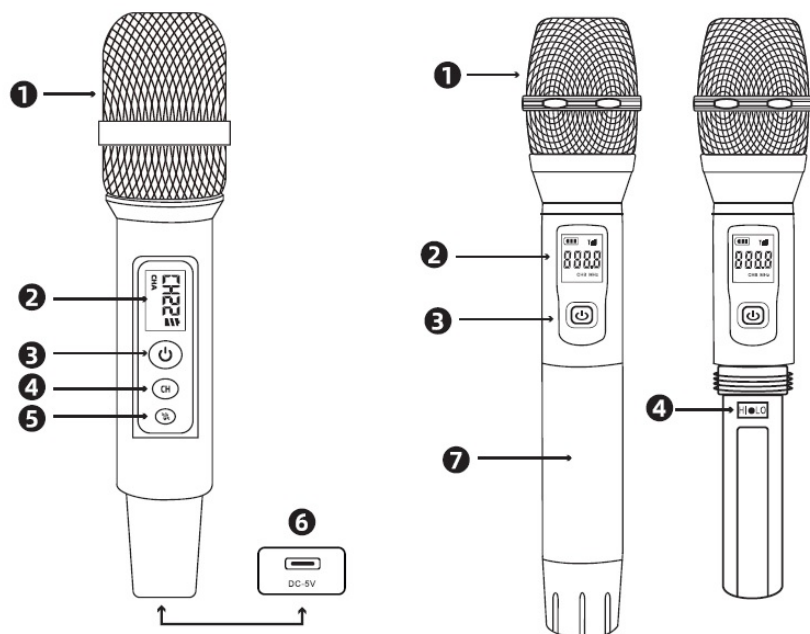
Audio input: Fiber, coaxial, AUX RCA, Bluetooth, MIC

Instructions for later editions



- ① Signal antenna interface
- ② DC-12V-----Power Interface (15V for charging)
- ③ OPTICAL.IN
- ④ COAXIAL.IN
- ⑤ AUX-IN----(RCA)
- ⑥ MIC IN
- ⑦ MR OUT ML
- ⑧ R+L OUT---3.5MM
- ⑨ MIC OUT---6.35MM
- ⑩ SUB OUT---subwoofer output interface
- ⑪ POWE

Microphone parameters



- ① Microphone Head: includes mesh head and sound head module
- ② Display: Display Working Channel, battery power, frequency
- ③ Power Switch: press 3 seconds to turn on and off
- ④ Frequency tunable button
- ⑤ Cancel the original song
- ⑥ Type-c charging Jack
- ⑦ Battery compartment

Screen description:



CH22 :Digital display of channels

⚡ :Electricity display

CHA CHB :A/B microphone display

Instructions for use

Instructions:

(1) connect the receiver to the power adapter, install the antenna, and connect the audio output to the audio equipment or other equipment. Then Open the receiver switch, the display screen lit up, into a normal working state;

(2) the microphone long press the switch key for 3 seconds, the display screen lights up, the microphone starts to work normally, and the RF signal electric screen of the corresponding channel of the receiver's display screen lights up, the electric screen of AF audio signal of the receiver will light up the display synchronously with the singing of the human voice.

Description of microphone pair:

(1) after the receiver and the microphone are turned on, the receiver can be used on the channel automatically;

(2) if for other reasons the microphone can not be connected to the receiver automatically, please re-connect the microphone manually by following the procedure below;

(3) connect the receiver to the normal boot state, hold down the FM button and the switch button at the same time, wait for the microphone screen to show four horizontal lines, release the button, within five seconds, the receiver has locked the microphone channel RF signal electric screen display signal light, can be connected to work normally. (a microphone, B microphone same operation)(microphone and receiver frequency lock operation, distance not more than 1 meter range)

Note: If you need to use multiple sets of microphone products at the same time, you need to all use the microphone to open different channels can work, mutual non-serial frequency interference. Each set of frequency-locking operation, are operated separately, can not be simultaneously several sets of products work together at the same time operation.