



NCS-R51

Digital Wireless Microphone

The R51 is a digital wireless microphone solution designed for mid-to-high-end applications including AV teaching equipment, multimedia classrooms, and lecture meetings. It operates at a 24KHz sampling rate to deliver high-quality voice transmission, while its dedicated RF technology and digital encoding ensure minimal noise, zero crosstalk, stable communication, and extended transmission range.

MAIN FEATURES

▲ Enhanced Wireless Performance

Supports multiple channel pairing methods (auto-scan, infrared) to prevent interference ("crosstalk") between units.

Features strong anti-interference capabilities and stable signal transmission.

Enables "one teacher, one mic" hygiene in classroom settings.

▲ Premium Audio Fidelity

Utilizes 24kHz sampling rate for high voice quality.

Employs internal electret condenser microphone with dedicated acoustic chamber and noise-reduction padding to minimize feedback and background noise, extending pickup distance.

Includes advanced noise-cancelling circuits to eliminate switch-on/off pops.

Allows volume adjustment (with memory), mute function, and supports external mic/audio input.

▲ Intuitive Presentation Controls

Integrates dedicated functions for presentations: built-in laser pointer, PPT page advance/retreat, and one-touch blackscreen/recovery.

Features hot-swappable, driver-free PPT control module operable without a host computer.

LCD display clearly shows status (signal, pairing mode, battery, channel, volume, PPT function)

▲ Ergonomic & Efficient Design

Built-in rechargeable 340mAh Li-polymer battery with Type-C charging; provides ≥8 hours runtime per charge. Smart low-power design with auto-shutdown when inactive to conserve energy.

Lightweight (<40g), pen-shaped body with ergonomic grip and logically arranged buttons.

Modern aesthetic design prioritized for comfort and ease of use.

SPECIFICATION

Power Supply

Voltage	3.7 V
Battery capacity	340 mA

Digital Audio

Sampling Resolution	16 Bit
Sampling Rate	24 KHz
Frequency Response	100Hz-10kHz@±3dB
Distortion	<0.4%@94dB SPL, 1kHz
SNR	83 dB
System Delay	15 ms
Full-Scale Input	220 mVrms
Full-Scale Output	882 mVrms
Output/Input Gain	12.2 dB

Operating & storage (Temp/Humidity)

Operating Temp	0°C~+50°C
Storage Temp	-20°C~+65°C
Operating Humidity	10%~90% RH non-condensing

Charge

Charging	5V - 800mA 2A Power Adapter
----------	-----------------------------

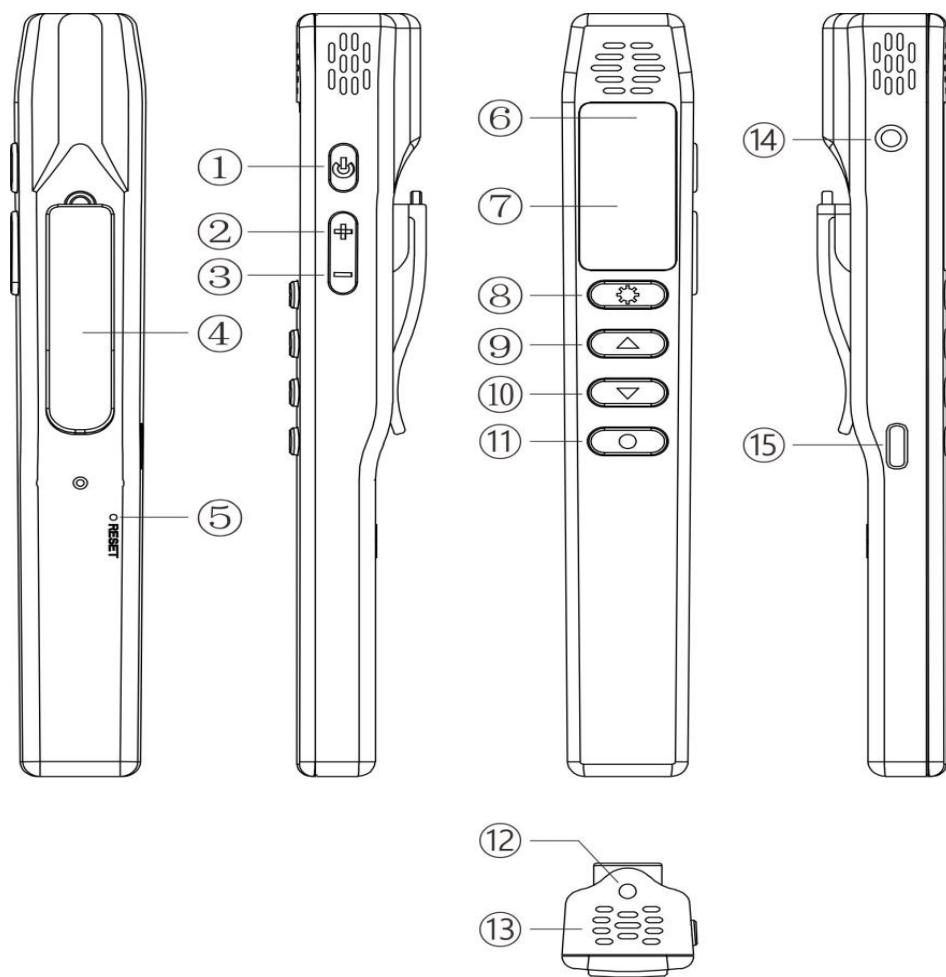
RF Section

Frequency Selection	Key Combination
Data Rate	2 Mbps
Transmission Power	>10 dBm
Max Operating Distance	10 M
Color	Black
Dimensions	155 * 22 * 13.5mm
Weight	15 g
Warranty	2 Years

ACCESSORIES

Headset	Head-mounted 3.5mm
Charging cable	Type C * 1

INTERFACE DESCRIPTION



- ① Clip button
- ② Volume + key
- ③ Volume - key
- ④ Back clip
- ⑤ Reset button
- ⑥ Infrared emitter
- ⑦ Display
- ⑧ Red laser pointer button
- ⑨ Page down key
- ⑩ Page down key
- ⑪ Menu key
- ⑫ Red Laser Emitting Lamp
- ⑬ Microphone
- ⑭ 3.5mm Audio Jack
- ⑮ Type C charging port

INSTALLATION

Unit: mm



SPON SPON Communications Co., LTD

Address: No.70, Nantang Road, High-Tech Zone, Changsha, China. **Mobile:** +86 138 7314 3517
Email: inquiry@sponcomm.com **Tel:** +86 731 8557 0190

