DSP2021A DSP2021B

2.4G Wireless Microphone System

DSP2021A   DSP2021B

Description

The 2.4GHz wireless microphone system, designed for educational and professional audio applications, incorporates advanced digital processing for high sensitivity and reliable performance. It is powered by a 5V supply and offers a range of selectable channels to minimize interference. Additionally, it features harmonic adjustment to ensure optimal audio quality and clarity.

Features

- Stylish and simple appearance design.
- Adopt PLL design, with infrared and wireless frequency pairing functions.
- Automatically search interference signals in the current environment, and actively avoid interference frequencies and select an ideal channel.
- Adopt international top high-performance audio processing chip, ultra-low distortion sound processing circuit design.
- Dynamic compression shunt technology, to shunt and load high and low frequencies automatically for the best performance.
- Adopt international advanced digital pilot technology and independent ID code design to prevent cross frequency.
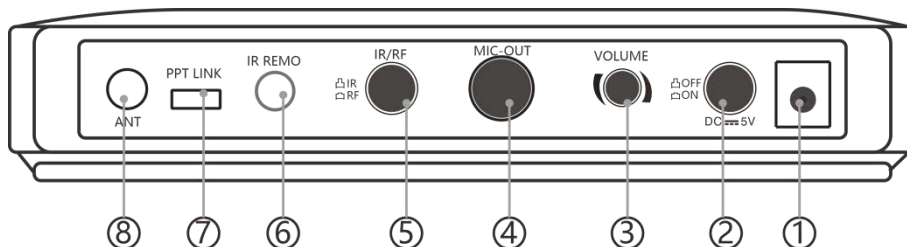- Easy to install and use.

Specifications

Model	DSP2021A DSP20221B
Receiver	
Voltage	5V
Working Current (Peak)	80mA

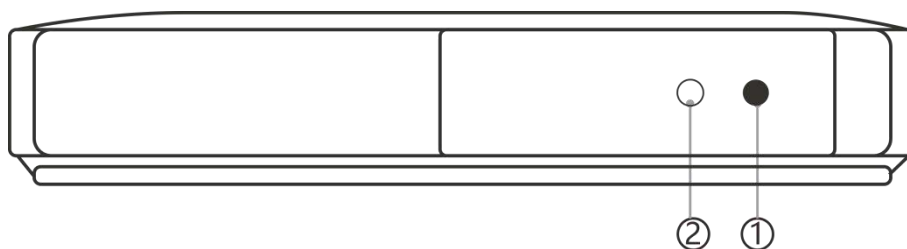|	
Standby Current	0.1mA
Receiver Dimensions (W×D×H)	165×105×30.4mm
Receiver Net Weight	0.2kg
Transmitter	
Digital Audio Part	
Bit Depth	16Bit
Sampling Rate	48kHz
Frequency Response	100Hz-10kHz@±3dB
Distortion	<0.4%@94dBSPL, 1kHz
S/N Ratio	83dB
System Delay	15Ms
Full-Scale Input	190mVrms
Full-Scale Output	960mVrms
Input/Output Gain Ratio	14.1dB
RF Part	
Frequency Selection Methood	Menu switching
Data Rate	2Mbps
Transmit Power	>10dBm
Maximum Working Distance	10M
Others	
Charging	5V-800mA~2A power adapter
Operating Temperature	-20~60℃
Storage Temperature	-20~60℃

Front / Rear Panel

Receiver Rear Panel

① DC 5V Power Interface   ② Power Switch   ③ Volume Control
④ 6.35 Audio Output   ⑤ RF/IR Pairing Switch   ⑥ 3.5 External IR Interface
⑦ PPT Paging USB Interface   ⑧ RF Antenna

Receiver Front Panel

① Power and Pairing LED   ② Built-in IR Receiver

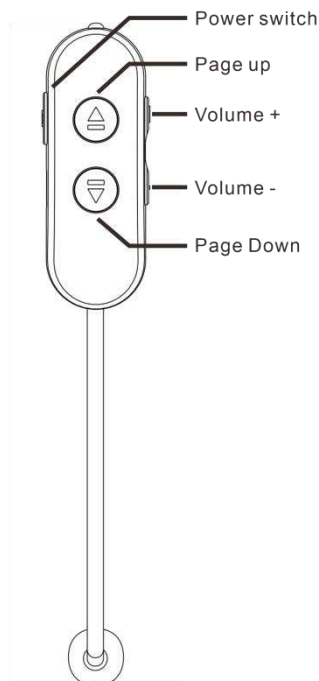The specifications will be subject to change without prior notice.

Accessories
(Provided with USB charging head, USB to DC power line, USB to MINI-USB charging cable, 6.35 male to male audio cable, antenna, hand-held microphone, headset microphone and user manual)
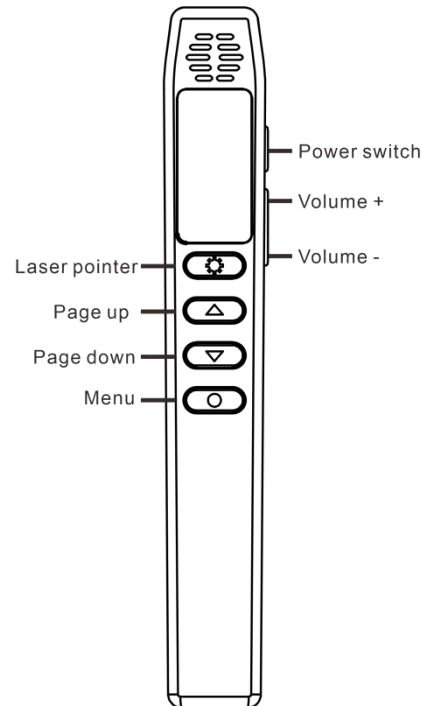
- Connect the "USB charging head" and "USB to DC power line" to "DC 5V power interface" of the receiver to power the receiver.
- The audio signal output from "6.35 audio output port" is a single-ended signal.
- The "3.5 external IR interface" is used to connect the infrared receiver with 3.5 male extension cable. In an ideal condition, it is generally not required the interface; when the wireless pairing and the built-in infrared receiver cannot meet the requirements, it is required to use the interface.
- Use the "USB to MINI-USB charging cable" to connect the "PPT Paging USB interface" and the computer, and press the "Page up" or "Page down" on the transmitter to turn pages without installing any drivers.
- In the process of normal use, if switch the pairing mode, the connection between the receiver and the transmitter will be disconnected and they need to be reconnected.

Transmitter Instructions

Wireless Microphone A

- Power switch
- Page up
- Volume +
- Volume -
- Page Down

Wireless Microphone B

- Power switch
- Volume +
- Volume -
- Laser pointer
- Page up
- Page down
- Menu

- Long press the"Power switch"of the transmitter to turn it on.
- Type A headset microphone will auto frequency pairing when power-on,long press the Page up button and Volume + button to switch pairing mode,   long press the Power button and Page up button for locking ID, long press the Power button and Page down button for unlocking ID.
- Type B handhold microphone will auto frequency pairing when power-on,enter the configuration menu to switch the frequency pairing mode. The microphone with memory function, selecting the paring mode as last time.
- Our company also has a separate "PPT Laser Pointer" in the same type of product. If connected to the "PPT Laser Pointer", the "PPT Indication" will display "P", but if it is not connected to the"PPT Laser Pointer" and only connected to the receiver, it will display no characters.
- "Dynamic audio signal" will display the input volume of the microphone or the 3.5 input port in real time.