

D2 WIRELESS MICROPHONE

Elevate your karaoke performances with microphone's built-in echo effects.



PRODUCT INTRODUCTION

The Alphaworks D2 Series is a wireless microphone designed specifically for outdoor singing applications. It operates in the ultra-high frequency range and uses chip-based wireless transmission and reception circuit designs to ensure more stable transmission and perfect sound quality. It features a built-in equalization mode and uses a high-sensitivity dynamic coil core, making singing easy and effortless. The Alphaworks D2 Series offers 100 selectable channels, allowing multiple sets to be used simultaneously without interference in the same entertainment scene.

With advanced automatic frequency scanning technology, it can search for clean frequency in the operating environment with just one click. The advanced infrared frequency pairing technology makes pairing between the receiver and transmitter easier, faster, and simpler

Product Features

- Sleek and attractive streamlined design.
- Convenient 6.3mm audio output jack with adjustable angles for easy plug-and-play.
- One-touch frequency scanning and synchronization for quick setup.
- Operates in the interference-free ultra-high frequency range for stable transmission.
- Up to 100 selectable frequency points for multiple system use.
- High-performance wireless audio processing chip for low-distortion sound.
- Wideband Extended Dynamic Range technology for effortless singing and optimal performance.
- Mic Echo and music volume adjustment functions.
- Mic first function for ducking background music.
- Built-in battery management for prolonged battery life.
- Versatile connectivity options for various music sources.
- Ideal for outdoor singing, teaching presentations, and home entertainment.

INCLUDED ACCESSORIES

- 1 x D2 Receiver
- 2 x D2 hand-held transmitters
- 1 x Charging Cable for the receiver
- Anti-rolling rubber rings x2
- 3.5mm audio cable x 1
- 4 x AA batteries
- 1 x Quick Start Guide

PRODUCT FEATURES



- 01. Receiver Power Switch
- 02. Scan & Sync: Long press for automatic scanning of clean frequency, short press for synchronization with microphone
- 03. Adjust the microphone volume level
- 04. 6.3mm Audio Output Jack
- 05. Echo Level: Adjust the level of the echo effect
- 06. Mic First Button
- 07. Bluetooth pairing button
- 08. Adjust the volume of the music



- 09. Power Charging
- 10. IR Sensor: For frequency synchronization with D2 Microphone
- 11. 3.5mm Input



- 12. Pick-up: For vocal or instrument sound pick-up
- 13. LCD
- 14. On/Off button
- 15. Grip/Battery compartment
- 16. Antenna

RECEIVER FEATURES

Power On: Toggle the power button to turn on the receiver. The power indicator will light up.

Connect to Speaker: Use the 6.3mm audio output jack to connect the receiver to a speaker device.

Auto Frequency Scan: Press and hold the "CH-A or CH-B" buttons for 3 seconds to enter the auto frequency scan mode. After scanning, it will pair automatically. Align the microphone's pairing port with the transmission area to complete the pairing process.

Infrared Sync Pairing: Turn on the microphone and align its infrared sync port with the receiver's infrared transmission area. Press the receiver's "CH-A or CH-B" button to initiate the sync pairing. The receiver's indicator light will illuminate when connected.

OPERATION INSTRUCTIONS

Receiver Operation Instructions

Mic Volume Control: Adjust the microphone volume by rotating the Volume control potentiometer on the receiver.

Echo Control: Adjust the Echo level by rotating the Echo control potentiometer on the receiver.

Music Connection (Two Modes):

Bluetooth Mode: Operate in Bluetooth mode by disconnecting any cable from the Input port. Search and connect device name is "D2".

Aux Mode: Connect the receiver's AUX port to a 3.5mm audio input using an appropriate cable.

Mic First Function: Activate the Mic Priority function by pressing the corresponding button. The Mic First indicator light will remain on. When speaking into the microphone, the background music will automatically decrease to highlight the vocals. Otherwise, the music will return to its normal volume.

Receiver Charging: Charge the receiver by connecting it to various USB-C power adapters or power banks using the provided charging cable.

Power On/Off: Toggle the power button to turn on/off the receiver.

Microphone Operation Instructions

Batteries Installation: Rotate anti-clockwise the microphone's battery cover, insert 2x AA batteries following the specified direction, and rotate clockwise the microphone's battery cover.

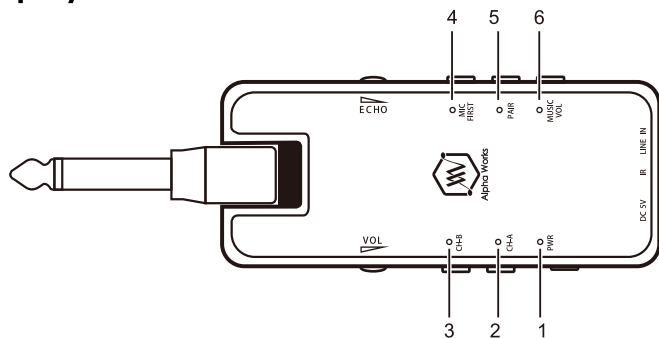
Power On: Press the power button lightly to turn on the microphone. The display screen will light up, indicating normal operation.

Infrared Sync Pairing: Align the microphone's infrared sync sensor with the receiver's transmission area. Short press the receiver's CH-A or CH-B button to initiate the sync pairing. The receiver's indicator light will illuminate when connected.

Power Off: To turn off the microphone, press and hold the power button for more than 3 seconds while it is powered on.

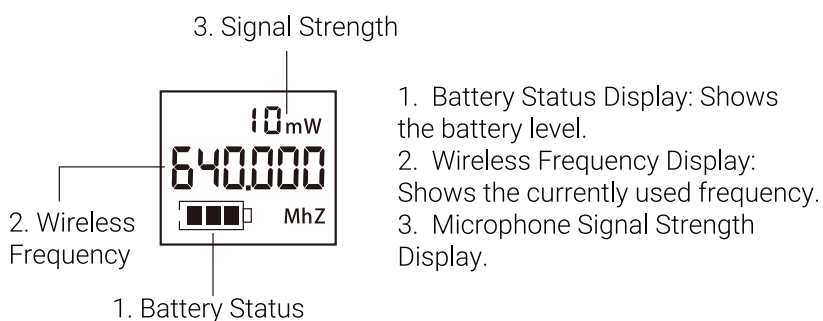
MENU STRUCTURE

Receiver Display Menu



1. **Power Indicator:** Shows power, on/off, and charging status.
2. **Channel A Indicator:** Displays usage status of Mic in Channel A.
3. **Channel B Indicator:** Displays usage status of Mic in Channel B.
4. **Mic First Indicator:** Stays on when Mic First is enabled.
5. **Pair Indicator:** Stays on in Bluetooth mode; otherwise, it flashes.
6. **Line-In Indicator:** Stays on in audio cable connection mode.

Microphone Display Menu



1. **Battery Status Display:** Shows the battery level.
2. **Wireless Frequency Display:** Shows the currently used frequency.
3. **Microphone Signal Strength Display.**

TECHNICAL SPECIFICATIONS

	Microphone	Receiver
Frequency bands	640-690 MHz	640-690 MHz
Frequency bandwidth	25 MHz	25 MHz
Modulation	FM	FM
Frequency response	50-15kHz	50-15kHz
THD@1kHz	typ. <0.5%	typ. <0.5%
Signal-to-noise ratio	typ. 100dB(A)	typ. 100dB(A)
Transmit power	10mW, 5mW	-
Power supply voltage	2x1.5V (AA)	3.7V/800mA
Operating time	>8hr	-
Operating range	≈ 15 meters	-
Audio output	-	6.35mm

SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water
- Clean this product only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Use only manufacturer-specified accessories or attachments.
- Unplug the device during thunderstorms or when not in use for long periods of time.
- All servicing must be performed by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power-supply cord or plug is damaged, liquid or objects have fallen into the apparatus, the apparatus does not operate normally, or it has been dropped.

