

LARK1.0 Pro

Wireless Microphone



Transmitter LARK1.0 Pro TX

Charging case

Receiver LARK1.0 Pro RX

Product Introduction

LARK1.0 Pro microphone, mainly oriented to the education industry, is used for sound reinforcement or recording and broadcasting scenarios when teachers are teaching. Based on 2.4G wireless transmission technology, it creates an interference-free lecture environment for teachers, and the device has high performance and stability. Built-in intelligent algorithms such as Acoustic Feedback Cancellation, Automatic Gain Control, Adaptive Noise Suppression, and Room Acoustic Calibration allow teachers to deliver every word clearly to every student without having to worry about the sound being loud or soft. The microphone used in the solution is very small and light to wear; compared to traditional handheld microphones, the microphone allows teachers to free their hands and give full play to body language; compared to far-field microphones, the microphone has better sound quality and allows teachers to move around and pick up a wider range of sound.

A set of LARK microphones includes a charging compartment, a transmitter and a receiver. The charging case can quickly recharge the transmitter, and the receiver supports both UAC digital output and two analog outputs.

Transmitter Features

- ✧ Used for teacher-teaching scenarios, based on 2.4G wireless technology;
- ✧ No range anxiety, Li-ion battery lasts 4 hours;

- ✧ Configuration of fast charging case, can continuously charge the microphone more than three times;
- ✧ Very compact, with a diameter of 32mm and a thickness of 13.8mm;
- ✧ Ultra-lightweight design, weighing only 10.5g;
- ✧ Two wearing styles (lavalier and headwear with magnetic accessories, can be freely switched), interaction is easier;
- ✧ Multi-room use, eliminate crosstalk (any microphone can be paired with any receiver);
- ✧ One teacher, one microphone, clean and hygienic;
- ✧ Simple operation, only one on button;
- ✧ Optional accessories include magnetic headwear and external antenna.

Receiver Features

- ✧ 86 box design, easy to install;
- ✧ DSP audio processing with built-in Acoustic Feedback Cancellation, Automatic Gain Control, Adaptive Noise Suppression, and Room Acoustic Calibration algorithms;
- ✧ Automatic frequency pairing near power on, automatic disconnection after power off;
- ✧ The wireless receiver supports UAC digital output and analog output.

Specification

Transmitter Parameters	
Transmission Mode	2.4G
Polarity Mode	Omnidirectional
Operating distance (without obstacles)	20 meters
RF Output Power	10dBm
Frequency Response	100Hz~20kHz
Sample Rate	48KHz

Bit Depth	16-bit
Signal-to-noise ratio	≥80dB
Built-in Battery Capacity	97mAh
Power supply mode	Built-in lithium battery power supply, charging case pins charging
Endurance	About 4 hours
Charging time	About 1 hours
Weight	10.5g
Dimension	32mm×32mm×13.8mm
Operating Temperature and Humidity	0℃～50℃, 10%～90%RH, No condensation

Charging case Parameters	
Battery Capacity	300mAh
Power Supply Method	Power supply via charging case contacts
Power Supply Times to TX	>3
Charging Time	About 1 hours
Weight	39g
Dimensions	60.3mm×50.1mm×28.4mm
Operating Temperature and Humidity	0℃～50℃, 10%～90%RH, No condensation

Receiver Parameters	
Transmission Mode	2.4G

Operating Distance (without obstacles)	20 Meters
RF Output Power	10dBm
Frequency Response	100Hz~20kHz
Sample Rate	48KHz
Bit Depth	16-bit
Signal-to-Noise Ratio	≥80dB
Audio Output	UAC digital; Balanced analog (Phoenix terminal); Unbalanced analog (3.5mm TRS)
Power Supply	DC 12V or USB Type-C Powered
Weight	30g
Dimension	86.1mm×86.1mm×27.3mm
Operating Temperature and Humidity	0℃~40℃, 10%~90%RH, No condensation
Storage Temperature	-10℃~50℃
Package Dimensions (L×W×H)	280mm×210mm×70mm
Package Weight	0.5kg