



## Wireless Microphone

# Microphone call control embedded software V1.32 KT-M59UH



## Description

It is a digital wireless microphone system with a new solution architecture. The system adopts unique digital U-band transmission technology, pi/4-DQPSK modulation mode, and uses ID code pilot technology to prevent cross-frequency interference, and frequency sweep to avoid interference, characterized by low bit error rate, stable transmission, and strong anti-interference ability. It can be widely used in conferences, training, public broadcasting, large-scale parties and other places.

## Feature

- \*Based on the digital U-band transmission technology, pi/4-DQPSK modulation mode, using domestic main control chip, the transmission distance is 80 meters, the receiver has 2 balanced outputs and 1 unbalanced mixing output; it has intelligent mute, audio encryption, and power adjustment functions. The frequency range is 540-590 and 640-690MHZ.
- \*It has 1 receiving host and 2 handheld transmitters; the front panel of the receiver has 1 3.6-inch LCD display, 10 physical function buttons (up key \* 2, down key \* 2, frequency \* 2, sweep frequency \* 2, setting \* 2), 1 two-in-one indicator light (infrared transmitter + frequency indicator light), 1 power switch button, and the rear panel has 1 LINE-OUT interface, 2 XLR-OUT interfaces, 2 BNC interfaces, 1 DC port interface, and 1 PC network port; the transmitter has 1 LCD display and 1 power on/off/mute button.
- \*The transmitter is ergonomically designed, with a rounded shape that fits the curve of the hand and feels comfortable to hold.
- \*It has an audio encryption function. After it is turned on, the microphone and the receiver use a unique ID code pilot encryption technology to achieve the effect of no crosstalk between the devices.
- \*It has an automatic mute function. When the microphone falls or is thrown, it automatically mutes in milliseconds to avoid impact sound; it monitors the device posture in real time, mutes for 5 seconds, and shuts down for 8 minutes without manual intervention.
- \*It has a long battery life, and the transmitter can be used continuously for 10 hours.
- \*It has an ID code anti-crosstalk function, using a 32-bit unique ID code for receiving and transmitting pairing. The sending and receiving ID codes must be the same to pair, which can effectively prevent signals of the same frequency from crosstalking with each other.
- \*It has a data backup function, which can back up device binding data, floor layout and room layout information.
- \*The receiver has a 3.6-inch LCD display screen, through which users can view the device's RF signal strength, audio signal strength, microphone on status, volume, frequency information, audio encryption status, power gear, mute status, and battery level information.
- \*The product has an Ethernet port and supports real-time viewing and management of devices through software.
- \*Supports positioning of devices through software. After initiating positioning, the corresponding device will continue to flash for 10 seconds to facilitate device search.
- \*It has a one-key scan function for all devices in the current LAN, without manual addition, and convenient operation.
- \*It has a device filtering function, which can be filtered by floor, room, network status and binding status as conditions
- \*It has a data dashboard that can display the name of the current project, the total number of floors, the total number of rooms, and the total number of devices.
- \*It has management software and supports positioning of devices through software. After initiating positioning, the corresponding device will continue to flash for 10 seconds to facilitate device search.
- \*It supports automatic frequency scanning of all devices through software, without manual switching, to quickly find clear frequencies, and simple operation.
- \*It has comprehensive management software, which can scan all online devices with one click, and can display the device name, device MAC address, device binding status, the floor to which the device belongs, and the frequency of device use. It supports batch selection of online devices, power adjustment, audio encryption, intelligent mute, and batch deletion functions; the software has the function of creating layouts, which can bind devices to the corresponding rooms and floors of the layout, and provide a data dashboard to clearly understand the name of the current scene, the total number of floors, the total number of rooms, and the total number of devices; the software detects the power status of the device in real time, and displays the microphone power information on the home page and room layout interface. It provides an alarm prompt when the battery is low, and displays the floor and room information of the alarm microphone.



### Specification

<b>System</b>	
<b>Frequency range</b>	540MHz-590MHz、640MHz-690MHz
<b>Modulation mode</b>	pi/4-DQPSK
<b>Frequency response</b>	20Hz~20kHz ( ±3dB )
<b>SNR</b>	≥105dB ( XLR )
<b>THD+N</b>	<0.1%
<b>Working distance</b>	About 30m
<b>Receiver</b>	
<b>Output Interface</b>	2 balanced outputs, 1 unbalanced output
<b>Display</b>	LCD screen
<b>Network Interface</b>	Rj45×1
<b>Distortion</b>	<0.05%
<b>Antenna interface</b>	SMA/50Ω
<b>Receive sensitivity</b>	< -95dBm
<b>Maximum output</b>	Balanced output 500mV, unbalanced output 1000mV
<b>Power supply</b>	DC 12V/1A
<b>Working current</b>	≤320mA
<b>Volume(L×W×H)</b>	214×209×43mm
<b>Weight</b>	1.15kg
<b>Transmitter</b>	
<b>Display</b>	LCD screen
<b>Microphone cartridge</b>	Dynamic microphone (double handheld microphone)
<b>Output power</b>	≤10dBm
<b>Working current</b>	≤150mA
<b>Battery</b>	2×1.5V(AA)
<b>Battery life</b>	>10H
<b>Dimension (including microphone cartridge)</b>	256mm×50mm
<b>Weight</b>	0.3kg (including battery)