Saramonic

Dual-Channel Digital UHF Wireless Audio System for Filmmakers

K9

User Manual

Statement

Please read this manual carefully before using the product and strictly operate & store it in accordance with the instructions. Please save the manual for your future reference. If you need further assistance than the user manual, please consult your retailer for help or email us: **support@saramonic.com.**

Cautions

1. Non-professionals are strictly prohibited from disassembling this unit on their own.
2. Please keep it away from heat sources such as radiators or spotlights.
3. Do not remove the battery without professionals' help.
4. Please clean the unit with only a soft, dry cloth.
5. When using and storing, please keep away from dust and moisture.
6. For the best pick-up pattern, do not hold your hand against the microphone capsule cover.

General Introduction

Meet the Saramonic K9, our first digital UHF wireless microphone for professional filmmakers. Featuring an ultra-wide 550-960 MHz UHF spectrum and audio frequency scanning, it resists interference in crowded RF clutter. With digital transmission, a 130 dB dynamic range, and 32-bit float onboard recording, the system captures detail-rich recordings and ensure safe backup. Timecode-enabled, K9 syncs with cameras down to the frame, eliminating manual syncing in post-production. The Ø3 mm ultra-miniature lav mic delivers unmatched durability, and flawless sound in any environment. With Saramonic System, all info and configurations are taps away on the phone, giving recordists easy full control.

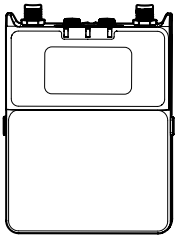
Features

1. Ultra-wide 550-960 MHz UHF for anti-interference performance across the globe
2. High dynamic range (130 dB input & 120 dB analog output) and digital transmission for uncompressed recordings
3. 32-bit float onboard recording* with 32 GB storage for secure backup
4. Timecode sync - wirelessly via Saramonic System or wired via 3rd-party TC box
5. Saramonic System - up to 48 devices' control and info hub on your phone
6. IFB allows directors to monitor actor sound in real-time without waiting for playback

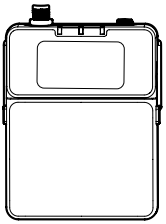
* K9 systems sold and operated in the US cannot transmit wirelessly and record simultaneously.

Contents

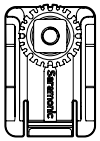
What's in the Box



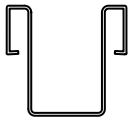
Receiver (K9RX) ×1



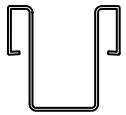
Transmitter (K9TX) ×2



Cold Shoe Mount ×1

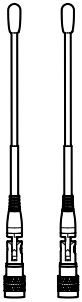


Belt Clip for RX ×1



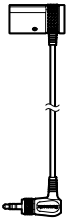
Belt Clip for TX ×2

Lavalier Microphone × 2

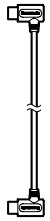


SMA Elbow Antenna × 6

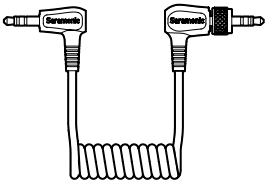
SMA Antenna × 6



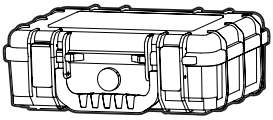
3.5 mm TRS to XLR Audio Cable × 2



USB-C to USB-C Data Cable × 1



3.5 mm TRS to TRS Audio Cable × 1



Portable Carrying Case × 1

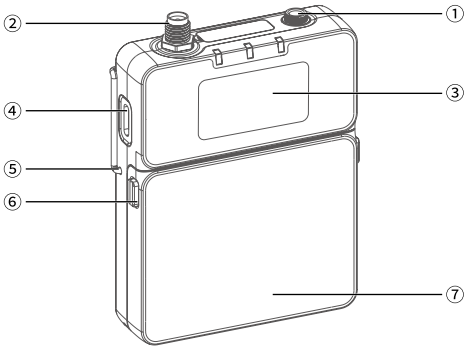
Foam Windscreen for Lavalier Microphone × 2
Fur Windshield for Lavalier Microphone × 2
Microphone Clip × 2
Weather-Sealed Carrying Case for Lavalier Microphones × 1
Lithium Iron Battery Pack × 3
USB-C to USB-A Adapter × 1
32 GB MicroSD Card × 2
QR Code Card for Instructions × 1
QR Code Card for APP Installation × 1
Antenna Length and Frequency Description Card × 1
Colored Tag for Transmitter × 16
Colored Tag for Receiver × 16

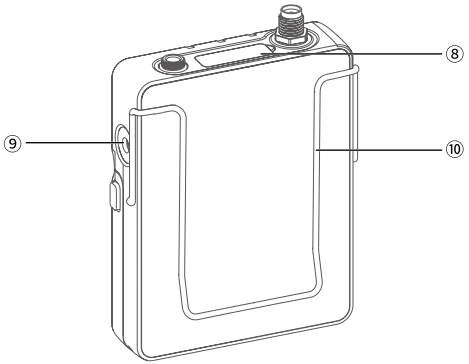
Sold Separately

3.7V Lithium Rechargeable Battery
8-Bay Battery Charger
DC Power Adapter
US, EU, and CN Adapter Plugs

Product Overview

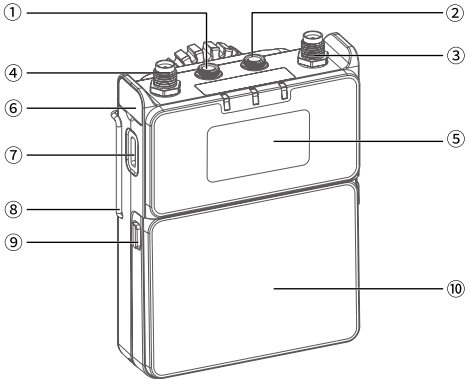
Transmitter (K9TX)

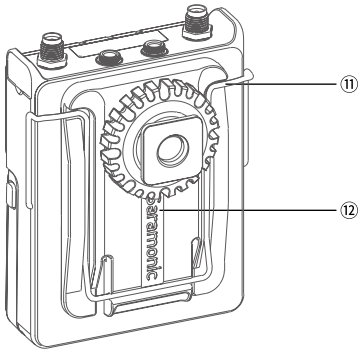




① MIC / LINE IN
② Antenna Socket
③ Screen
④ USB-C Port
⑤ Belt Clip Hole
⑥ Battery Compartment Switch
⑦ Battery Compartment Cover
⑧ Colored Tag
⑨ Monitor Port
⑩ Belt Clip

Receiver (K9RX)

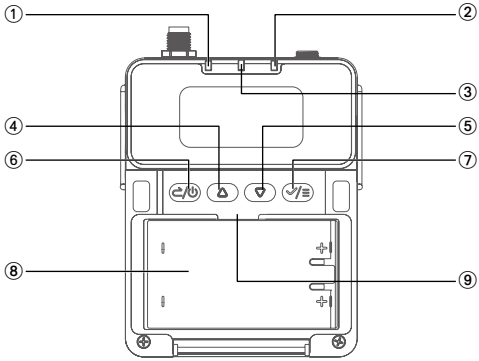




① 3.5 mm Audio Output A
② 3.5 mm Audio Output B
③ Antenna Socket
④ Antenna Socket
⑤ Screen
⑥ Colored Tag
⑦ USB-C Port
⑧ Belt Clip Hole
⑨ Battery Compartment Switch
⑩ Battery Compartment Cover
⑪ Belt Clip
⑫ Cold Shoe Mount

Buttons and LED Information

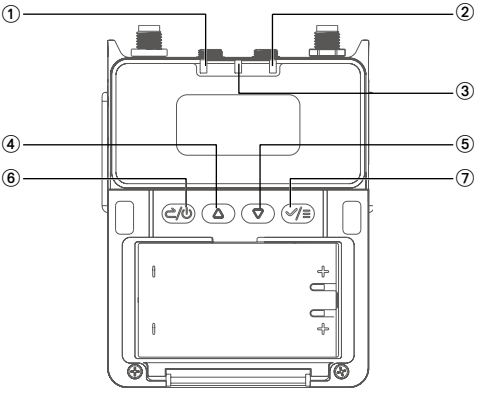
Transmitter (K9TX)



① **REC (RECORDING) LED:** glows solid red when the TX is recording.
② **AUDIO (VOLUME) LED:** its brightness and color vary in real time from the current volume level. The higher the volume, the brighter this LED. The color of this LED corresponds to the volume value of the level meter displayed on the screen. When the value is between -40 dB and -10 dB, the LED is blinking blue. When the volume is between -10 dB and 0 dB, the LED is blinking red. When the microphone is muted, the LED is solid red.
③ **POWER LED:** glows solid blue when the battery level is enough; glows solid red in low battery.

④ **Up Button:** press this button once to select relevant settings and adjust values; on the home screen, press and hold the up button to enter the recording page.
⑤ **Down Button:** press this button once to select relevant settings or adjust values; on the home screen, press and hold the down button to enter the timecode setting page.
⑥ **Power Button / Back Button:** press and hold for 2 seconds to power on or off. When the screen is on the home screen, press it once to enable or disable the mute function of the TX. This button doubles as a back button, a short press will return to the previous page.
⑦ **Menu Button / Confirm Button:** press it once to enter menus or confirm the selected items.
⑧ **Battery Compartment**
⑨ **SD Card Slot**

Receiver (K9RX)

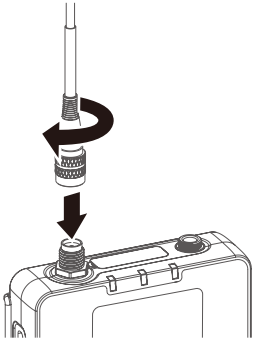


① **TX1 VOLUME LED:** its brightness and color vary in real time from the corresponding transmitter's volume level. The higher the volume, the brighter the LED. When the value is between -40 dB and -10 dB, the LED is blinking blue. When the volume is between -10 dB and 0 dB, the LED is blinking red.
② **TX2 VOLUME LED:** its brightness and color vary in real time from the corresponding transmitter's volume level. The higher the volume, the brighter the LED. When the value is between -40 dB and -10 dB, the LED is blinking blue. When the volume is between -10 dB and 0 dB, the LED is blinking red.
③ **POWER LED:** glows solid blue when the battery level is enough; glows solid red in low battery.
④ **Up Button:** press once to select relevant settings and adjust values; on the home screen, press and hold the up button to set the gain of audio output A.
⑤ **Down Button:** press once to select relevant settings or adjust values; on the home screen, press and hold the down button to set the gain of audio output B.
⑥ **Power Button / Back Button:** press and hold for 2 seconds to power on or off. This button doubles as a back button, a short press will return to the previous page.
⑦ **Menu Button / Confirm Button:** press it once to enter menus or confirm the selected items.
⚠ **Note: When audio output B is set as monitor mode, a short press of the up or down button directly adjusts the monitor volume.**

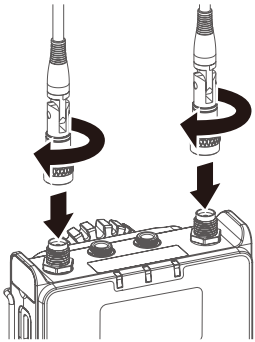
Installation and Connection

Antenna Installation

Screw the SMA antenna into the antenna socket of the TX as shown in the figure below.

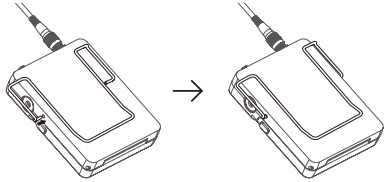


Screw the SMA elbow antennas into the antenna sockets of the RX as shown in the figure below.



Belt Clip Installation

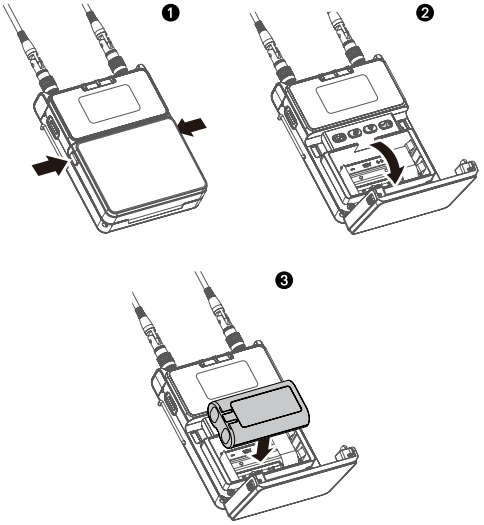
As shown in the figure, align the belt clip with the holes on both sides of the transmitter and receiver. Insert one end of the belt clip into one hole, then insert the other end into the other hole.



⚠ Note: The receiver's belt clip is slightly larger than the transmitter's. Please make sure to distinguish between them when using.

Battery Installation

Simultaneously press the two switches to open the battery compartment cover and insert the batteries as indicated in the battery compartment. Note that observe correct polarity. Finally, close the battery compartment cover, which locks into place with an audible click.

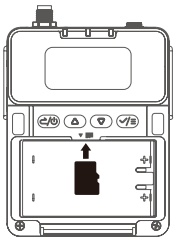


⚠ Warning

- When using external batteries, select the battery type in both the transmitter and receiver for accurate battery level display.
- When not using the device for an extended period, remove the batteries to prevent them from leaking.
- Always use sets of the same type of battery. Do not use batteries of different types or batteries with different charge levels together.

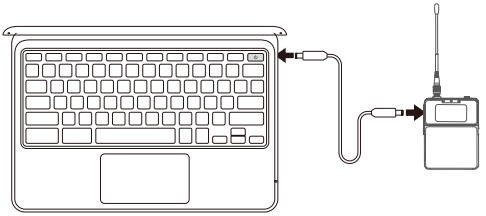
Inserting MicroSD Card

Simultaneously press the two switches on the TX to open the battery compartment cover, where you will find the SD label indicating its slot location. If the battery has not been installed, you can insert the MicroSD card directly into the TX. If the battery is already installed, you will need to remove the battery first.



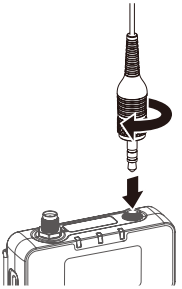
Reading Audio Files

Navigate to the “Read” menu (please refer to page 14) on the TX, and connect the USB-C port on the side of the TX to your computer using the USB-C to USB-C data cable to access and download the audio files stored on the MicroSD card. You will fail to access the audio files if you do not operate the TX to enter the “Read” menu, and its USB-C port will only support powering the device.

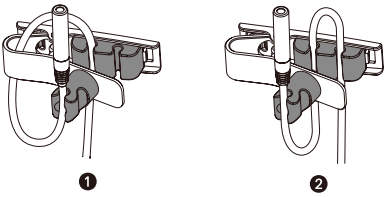


Connecting Microphone

Connect the lavalier microphone to the 3.5 mm audio input on the top of the TX. The lavalier microphone features a locking connector, and you need to rotate it to ensure the microphone is securely attached to the TX.

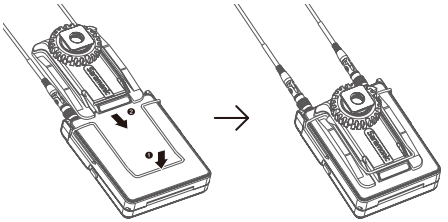


Connecting Microphone Clip



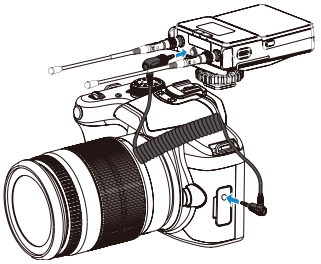
Install Cold Shoe Mount

Once the belt clip is installed, attach the cold shoe mount to the RX. Gently press the bottom of the belt clip, align the cold shoe mount with it as shown in the figure below, then slide down the cold shoe mount into place until you hear an click.

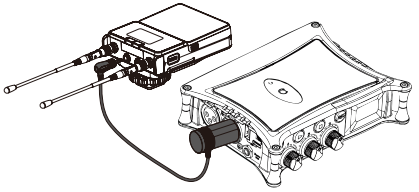


Connecting Recording Device

To record and transmit audio to a recording device such as a recorder, camera, or computer, connect the audio output A or B of the RX to the microphone port of the recording device using the included audio cable as shown below. K9 provides several audio cables featuring diverse connectors, please select an appropriate audio cable according to the port of the connected device.

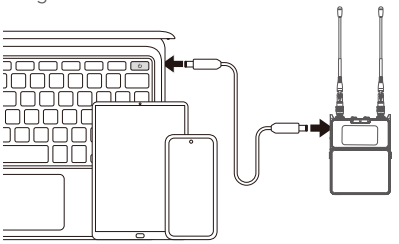


Connect to Camera



Connect to Recorder

Connect the USB-C port of the RX to a smartphone or computer using the included USB-C to USB-C data cable, enabling real-time audio transmission to the recording device.



Connect to Smartphone or Computer

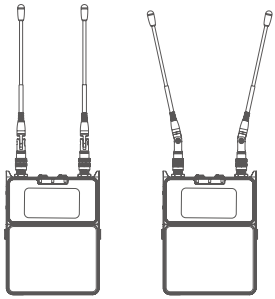
⚠ TIP: K9 provides a USB-C to USB-A adapter for connecting a computer without a USB-C port.

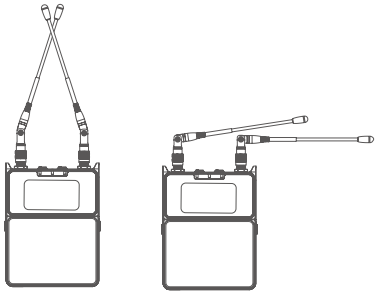
Antenna Angle

The SMA elbow antennas of the RX can be adjusted. For optimal signal reception, it is recommended to adjust the receiver antennas according to the following guidelines:

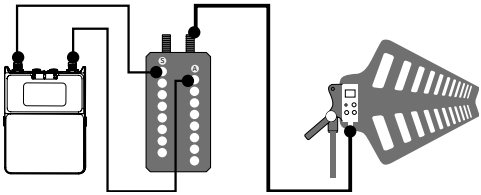
• Keep the antennas vertical or angled outward (as shown in the figure below).

• Avoid crossing the antennas or folding them completely against the side of the device (as shown in the figure below).





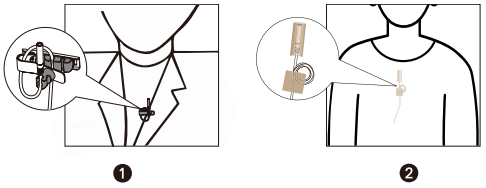
The method of connecting a receiver to an external RF muti SMA and antenna (not included) is as follows



⚠ Warning

Incorrect antenna positioning may result in signal attenuation or interference. Please follow the recommended instructions carefully.

Attach the Lavalier Microphone



Operation Guide

1. Device network construction

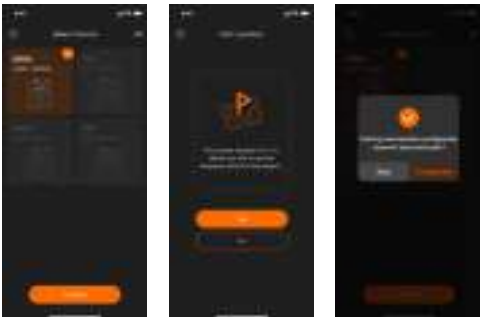
Please download and install the Saramonic System App. When powering on the K9TX and K9RX for the first time, launch the Saramonic System app, tap the “+” icon, and add the K9TX and K9RX to the device list. Then, the app will assign a legally compliant frequency band to the device according to your smartphone's location information. Once the frequency band has been successfully assigned, you can start using it. If you have not enabled the location permissions on your smartphone, the software will fail to assign the correct legal frequency band, which leads to the inability to utilize the K9 device properly.

⚠ Note: If you cannot search for the K9 device while adding it to the Saramonic System app, select “BT Reset” on the device screen, and press the confirm button to reset its Bluetooth. After the reset, the K9 device can connect to the app normally.

After K9 device Bluetooth is reset, enable Bluetooth on your mobile device. In the Saramonic System app, tap the “+” icon under the device navigation bar, and the app will search for nearby pairable devices. Select the target audio device and tap “Confirm” to establish a device network.

After the device network is established, the Saramonic System app will identify the devices to be added and prompt you to enter the device addition page, where you can choose whether to add the device. If you choose to add it, the app will determine the local legal frequency band based on your smartphone's current location, and you can select an appropriate frequency band as needed. The device will then be added to the device list.

Once the device network is completed, the app will prompt you to decide whether to assign frequency points automatically. You can either manually enter the device list or allow the system to assign frequency points automatically.



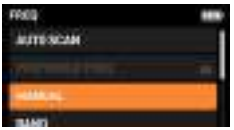
2. Frequency Settings

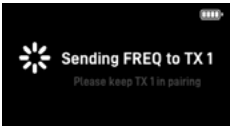
Networking Method I: Operate the K9TX and K9RX to get into pairing mode simultaneously.

K9RX:

Enter the K9RX menu, go to “WIRELESS & FREQ > FREQ > MANUAL”, and select the channel corresponding to the K9TX you want to pair with (PAIR 1 or PAIR 2, corresponding to Pair TX1 or Pair TX2).

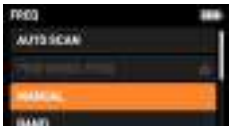
The following is an example of pairing with the TX1: select "PAIR 1" and press the confirm button once to initiate the RX’s pairing with the TX1. The screen will display “SUCCESS" if the pairing is successful, and it will display "FAIL" if the pairing fails. Please repeat the pairing steps above or check whether the antenna is installed correctly.





K9TX:
Enter the K9TX menu, go to “WIRELESS & FREQ > FREQ > PAIR”, and press the confirm button once to initiate the TX’s pairing mode. The screen will display “SUCCESS" if the pairing is successful, and it will display "FAIL" if the pairing fails. Please repeat the pairing steps above or check whether the antenna is installed correctly.

Networking Method II: Set the K9TX and K9RX to the same frequency point manually.
K9RX:
Enter the K9RX menu, go to “WIRELESS & FREQ > FREQ > MANUAL”, and select the channel corresponding to the K9TX you want to pair with (RX 1 or RX 2).
The following is an example of pairing with the TX1: select "RX 1" and press the confirm button once to enter the frequency adjustment page, where you can adjust the frequency point in increments or decrements of 0.1 MHz by short-pressing the up or down buttons, or quickly adjust the value to a clean, usable frequency by long-pressing the up or down buttons.



K9TX:
Enter the K9TX menu and go to “WIRELESS & FREQ > FREQ > MANUAL”. In this menu, you can adjust the frequency point in increments or decrements of 0.1 MHz by short-pressing the up or down buttons, or quickly adjust the value to a clean, usable frequency by long-pressing the up or down buttons. Once the frequency values for the corresponding channels on the K9TX and K9RX are adjusted to be the same, the pairing networking will be complete.

3. Transmitter Menu Introduction

The transmitter screen provides a quick access to its status information. The screen view may differ slightly from the illustrations in this User Manual due to the ongoing product updates. Please refer to the actual device.

Buttons for Navigating Menu
Use the following buttons to navigate through the transmitter’s menu.
Menu Button / Confirm Button: Jumps from the home screen to menus; access a menu item; saves settings.
Up or down buttons: Selects a menu item; adjusts values or changes settings.
Back button: Changes to the previous page.

(1) Home Screen

⚠ Note: If the battery is not installed, directly connecting a USB-C to USB-C data cable to the transmitter's USB-C port for charging, or use dry batteries for power will cause the battery icon to change to EXT.

(2) Shortcut Menu

⚠ Note: Due to U.S. compliance requirements, wireless transmission will be disabled when the transmitter's onboard recording is enabled.

• Recording

When the TX is on the home screen, you can press and hold the up button to quickly enter the REC (recording) page, where a short press of the confirm button will start the audio recording. If you press the confirm button again during the recording process, a prompt will appear on the screen asking "Are you sure to stop recording?". At this point, selecting CONFIRM and pressing the confirm button will stop recording.

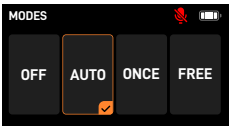
• Timecode Sync

When the TX is on the home screen, you can press and hold the down button to enter the TC SYNC (Timecode Sync) page, where a short press of the up or down button will allow you to select the corresponding setting options, and a short press of the confirm button will enter the sub menu. When connecting to an external timecode device, the screen will display the external timcode data.

☑ Select "23.98"

Enter this menu option to set the framerate for timecode as 23.98, 24, 25, 29.97, 29.97DF and 30. DF stands for drop frame. The default framerate is 25. It is recommended to set a suitable framerate according to the framerate of the timecode from the external device.

☑ Select "AUTO"



Enter this menu option to adjust timecode modes, which can be configured to off, auto, once, or free mode.
OFF: Disables the timecode.
AUTO: The default setting, which automatically recognizes and syncs wired or wireless timecode.
ONCE: Automatically syncs the timecode information once and locks it; it will not sync again until the mode is switched, which will unlock it.
FREE: The time information set on the current device acts as the timecode; it does not support resetting the timecode and does not accept external timecode signals.

☑ Select "SYNC"

When the device is in "OFF" or "FREE" mode, the "SYNC" option will appear greyed out, indicating that the device cannot be synchronized by an external timecode signal. When the timecode mode is set to "AUTO" or "ONCE", the "SYNC" option will become active (white), indicating that the device can be synchronized by an external timecode signal.

☑ Select "GROUP"

Enter this menu option to set the timecode channel. To facilitate the management of Saramonic timecode, the K9 device offers eight timecode sync groups, labeled A-H. Only devices within the same group can sync timecode.

☑ Select "SET"

Enter this menu option to adjust the timecode data. You can manually customize the initial timecode, and start the timecode operation. Use the up and down buttons to select the reset icon ↻, then press the confirm button to reset the timecode to "00:00:00:00".

☑ INPUT MODE

Enter this menu option to select either MIC IN or USB-C IN as the timecode input mode. This feature is designed to improve efficiency when synchronizing with third-party timecode, reducing the need for frequent microphone unplugging. It is recommended to use USB-C IN to avoid conflicts with MIC IN.

• Audio Gain

On the home screen, press the up button to set the mic gain in 1 dB increments, or press the down button to set the mic gain in 1 dB decrements. Moreover, each increment or decrement in 1 dB can be set to 3 dB per adjustment in the Saramonic System app.

(3) Operating Menu

Press the menu button to enter the operating menu, select various menu options by pressing the up or down button, and then press the confirm button to enter the selected menu option or confirm the selected items.

Wireless and frequency

• Frequency

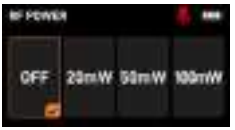
☑ Select "PAIR", and press the confirm button to put the TX into pairing mode. Then the TX attempts to pair with the RX. If the RX also enters pairing mode at the same time, the TX and RX will pair with each other successfully.

☑ Select "MANUAL", and press the confirm button to enter the "MANUAL SET" menu. Use the up and down buttons to set the TX frequency point. If both the RX and TX are set to the same frequency point, they will successfully pair.

• Band Range

After entering this menu, please select the appropriate frequency band according to the regulations in your area.

• RF Power



After entering this menu, the TX will automatically match the selectable RF power levels based on the chosen frequency band.

⚠ Note: In the United States, the RF and recording functions cannot be enabled simultaneously.

• Timecode Sync

For details, please refer to “Shortcut Menu> Timecode Sync” (page 11).

Audio Setting

• Audio Gain

You can press the up or down button to set the mic gain in 1 dB increments or decrements ranging from 0 dB to +30 dB.

• In Signal

After entering this menu, you can select the microphone's power supply voltage according to your needs or switch the input signal to "LINE" input.

•Low Cut

In this menu, you can select the low cut value as needed or disable the low cut function.

• Monitor

☑ The monitor function is enabled by default. Select "ENABLE", and press the confirm button to turn the monitor switch off or on. Once the monitor is enabled, plug your headphones into the monitor jack on the TX side to monitor the recording in real time.
☑ Select "OUTPUT VOLUME", press the confirm button, and then use the up and down buttons to adjust the output volume ranging from level 1 to level 11.

Recording and Files

• Recording
For details, please refer to “Shortcut Menu > Recording” (page 11).

• Recording Modes

☑ In this menu, you can set the recording bit rate, selecting between "24" (24-bit) or "32F" (32-bit float recording) formats.
☑ You can also set the default recording mode, selecting from auto recording, manual recording, or sync recording.
① AUTO: Automatically starts recording after powering on, stops recording, and automatically saves the recording file upon powering off.
② MANUAL: Manual recording status, which is the default setting.
③ SYNC: Automatically starts recording after timecode sync.
⚠ Note: In the United States, the RF and recording functions cannot be enabled simultaneously.
When the recording status is set to sync recording, the recording will start automatically after manual recording + timecode sync. When the sync recording is turned off, the audio recording will not automatically start after synchronizing the timecode. If the device is recording during timecode sync, you must stop recording first before proceeding with timecode sync. After sync, the recording will not start automatically.

• Recorded Files

You can view and playback the recorded files stored on the recording card. Files recorded on the current day can be accessed.

Device Management

• Battery

Please select the battery type according to the actual usage in order to provide a more accurate battery level indication.
⚠ Note: The battery characteristics change according to battery type and environmental conditions. It is recommended that you understand the battery characteristics before using them.

• LED

You can turn on or off the three LED indicators on the device as needed. Select the "LED" and press the confirm button to toggle the LED indicators on or off.

• Bluetooth

☑ Select "ENABLE", then press the confirm button to turn Bluetooth on or off. Bluetooth is turned on by default.
☑ Select "RESET", then press the confirm button to reset Bluetooth. A prompt will appear upon successful reset.
⚠ **Note: the MAC address is the physical Bluetooth address of the current device, which serves as a unique identification from the factory, allowing differentiation between devices when the mobile phone is connected with Bluetooth.**

• System

☑ Auto Screen Off

You can set the auto screen-off time during inactivity. Four options are available: never, 15 seconds, 1 minute, and 5 minutes. The system defaults to 15 seconds. After you adjust this setting, the system will retain it.

☑ Brightness

You can adjust the screen brightness across 5 levels. The configurable values are given as follows: (Dark) 1 2 3 4 5 (Bright). The default brightness setting is 5. Once adjusted, the system will retain your setting.

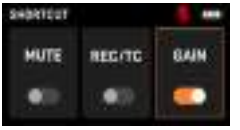
☑ SD Card

Access this menu for storage space usage view. After selecting "FORMAT" and confirming, the system will format the SD card.
⚠ **Note: To enhance recording stability, it is recommended to format the SD card after inserting it into the device before use.**

☑ Read

Enter the read menu, and connect the USB-C port on the side of the TX to your computer using the included USB-C to USB-C data cable to transfer the recorded files.

☑ Shortcut



You can enable or disable the shortcut button function on the home screen.
① When the “MUTE” shortcut is enabled and the TX screen is on the home screen, a short press of the power button will quickly mute or unmute the TX.
② When the “REC/TC” (recording/timecode) shortcut is enabled and the TX screen is on the home screen, a long press of the up button will quickly enter the recording page, while a long press of the down button will quickly enter the timecode page.
③ When the “GAIN” shortcut is enabled and the TX screen is on the home screen, pressing the up button will quickly increase the mic gain; pressing the down button will quickly decrease the mic gain.

☑ Date and Time

In this menu, you can customize the current date and time of the device. Select an item, press the confirm button once to access its sub menu, and use the up and down buttons to adjust the time digits. Then press the confirm button to save the updated time value, or press the back button to revert to the previous or default time settings.

☑ Language

You can set the language displayed on the screen to either Chinese or English.

☑ System Reset

Enter this menu, select "CONFIRM", and press the confirm button to reset the device to factory settings. Resetting will only restore the device's system settings, and it will not erase the frequency data.

☑ Version

Enter this menu to view the current version, SN (serial number) information, or the date when the device version is updated.

☑ Upgrade

The TX can be upgraded via a SD card:
① Download the up-to-date firmware from the Saramonic official website and place it in the root directory of the SD card.
② After the SD card is inserted into the TX, select the "SD CARD" option in the "UPGRADE" menu, then select "CONFIRM" and press the confirm button to proceed with the firmware upgrade. Once the upgrade is complete, the firmware version will display the latest version. You can access the "VERSION" option in the SYS menu to check the current firmware version information of the device.

If the SD card is not inserted into the TX or the TX cannot read the upgrade files from the SD card, a prompt of "NO SD CARD" will appear on the screen. Please check whether the SD card is properly inserted into the device and ensure that the upgrade files on the SD card are complete and placed in the required location.

• Device Name

In this menu, you can customize the device name. Use the up and down buttons to select the character you want to adjust, and then press the confirm button to save the adjustment.

4. Receiver Menu Introduction

The receiver screen provides a quick access to vital information on the receiver as well as the connected transmitter status. The screen view may differ slightly from the illustrations in this User Manual due to the ongoing product upgrades. Please refer to the actual device. The following is an example of the receiver screen when the receiver is connected to two transmitters at the same time.

Buttons for Navigating Menu

Use the following buttons to navigate through the receiver's menu.

Menu Button / Confirm button: Jumps from the home screen to menus; access a menu item; saves settings.
Up or down buttons: Selects a menu item; adjusts values or changes settings.
Back button: Changes to the previous page.

(1) Home Screen

① The device name and battery information of RX

K9RX	RX Device Name
	RX Battery

② / ③ The device information of TX1 / TX2

TC	The timecode of TX1/TX2 has been synchronized by an external timecode
	The Connection Signal Strength of TX1 / TX2
	The Battery of TX1 / TX2
553.0	The Frequency of TX1 / TX2
	The Recording Status of TX1 / TX2
	The Level of TX1 / TX2
	The Mic Reception Status of TX1 / TX2

⚠ Note: If the battery is not installed, directly connecting a USB-C to USB-C data cable to the receiver's USB-C port for charging, or use dry batteries for power will cause the battery icon to change to EXT.

(2) Auxiliary Screen

The auxiliary screen is designed to allow the user to quickly glance at the connection signal strength and battery status displayed, without removing the receiver from the recording bag. The auxiliary screen automatically powers on and off in sync with the the receiver.

1*TX+1*RX 2*TX+1*RX

• Signal Priority
In the signal priority page, the sign icon is enlarged for display.

1*TX+1*RX 2*TX+1*RX

• Level Priority
In the level priority page, the level icon is enlarged for display.

2	TX1
	TX2
	The signal of TX1 / TX2
1	The battery of TX1 / TX2
	The level of TX1 / TX2

(3) Shortcut Menu

• Gain

When the RX screen is on the home screen, a long press of the up button will enter the output gain adjustment page for audio output A, while a long press of the down button will enter the adjustment page for audio output B. You can use the up and down buttons to adjust the values for the output gain, with a range of -20 dB to +10 dB.

• Monitor

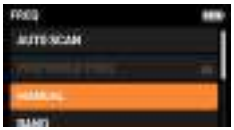
When audio output B is set to monitor mode, pressing the up and down buttons on the home screen allows you to adjust the monitor volume, which has 12-level adjustments. You can customize the volume level based on the usage scenario. Please refer to page 18, "Out Modes" for monitor mode settings.

(4) Operating Menu

Press the menu button to enter the operating menu, select various menu options by pressing the up or down button, and then press the confirm button to enter the selected menu option or confirm the selected items.

Wireless and Frequency

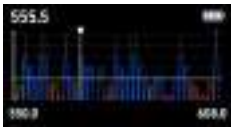
• Frequency



After entering this menu, you can configure the frequency-related settings.

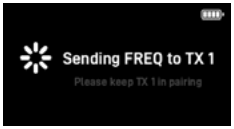
☑ Automatic Frequency Scanning

In this menu, you can scan for available wireless frequency points in the current environment and select clean, interference-free frequencies for use.



Once the scanning is complete, the optimal frequency point will be automatically assigned.

Select "CONFIRM" and press the confirm button to send the scanned frequency to the TX.



If you do not wish to use the automatically assigned frequency, you can press the back button and use the up and down buttons to select a frequency based on the scanning results, then send it to the TX for use.

☑ Preferred Frequency

After scanning, the RX will list 10 clean frequency points with less interference in the current environment. You can access the “PREFERRED FREQ”menu to select the desired frequency from the list and press the confirm button to synchronize it to the TX.

⚠ **Note: If the device has not performed a frequency scan after powering on, the preferred frequency function will be unavailable.**

① Selecting "AUTO SET" will default to the preferred frequency after scanning.

② The signal quality of the 10 listed preferred frequency points is indicated by 1 to 3 thumbs up, with 3 thumbs representing the strongest signal.

☑ Manual Set

In this menu, you can manually adjust the frequency point information for the corresponding RX channel to match the same frequency point information with the corresponding TX.

During wireless pairing, the TX must also go into the pairing page; selecting "PAIR 1" will assign the synchronized transmitter to channel A, while selecting "PAIR 2" will assign it to channel B.

☑ Band Range

After entering this menu, please select the appropriate frequency band according to the regulations in your area.

☑ Color

After entering this menu, you can choose a color label and synchronize the selected color to the paired TX, making it easier to distinguish devices that are paired and connected to the same frequency band.

• Reception

In this menu, you can press the confirm button to enable or disable the RX2 RF channels. By default, this function is fully enabled. You can disable any unnecessary RF channels based on your actual usage to reduce RF power consumption, thereby minimizing battery waste to extend the device's usage time.

Audio

•Out Modes

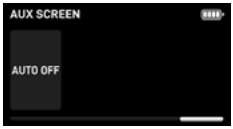
Enter this menu to adjust the audio output settings for the current channel. Channel A can output audio from its corresponding channel alone, or can be set to dual-channel output where the left channel carries audio from channel A and the right channel carries audio from channel B. Channel B can also be set to output audio from its corresponding channel alone or to dual-channel output, with the left channel carrying audio from channel A and the right channel carrying audio from channel B. Additionally, channel B can be set to monitor output mode, in which case the output audio will be the same as that of channel A.

• Out Signal

In this menu, you can set the gain parameters for the audio output of the corresponding channel. The monitor volume parameters can only be adjusted when output channel B is set to monitor output mode.

Device Management

• Auxiliary Screen



The auxiliary screen is turned on by default, and automatically powers on and off in sync with the the RX. It adjusts its page according to the connected TX. Its brightness is divided into three levels: 1, 2, and 3, with level 3 being the maximum brightness, allowing the user to view the screen clearly from within 1 meter. The brightness setting defaults to the maximum. The auto screen-off time of the auxiliary screen defaults to “Never”, but you can manually set it to turn off after 30 seconds. After the adjustment, the system will retain the adjusted settings even the receiver is restarted. If you conduct a system reset, the auto screen off time will revert to the default settings.

• Battery

Please select the battery type according to the actual usage in order to provide a more accurate battery level indication.

⚠ Note: The battery characteristics change according to battery type and environmental conditions. It is recommended that you understand the battery characteristics before using them.

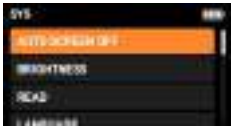
• Sleep

In this menu, you can set the sleep function for the connected TX. In sleep mode, the TX will only maintain Bluetooth connectivity, 2.4 GHz connection, and timecode function. You can enable or disable the sleep function for RX1 or RX2. Exiting this mode will immediately wake the paired TX.

• Bluetooth

☑ Select "ENABLE", then press the confirm button to turn Bluetooth on or off. Bluetooth is enabled by default.
☑ Select "RESET", then press the confirm button to reset Bluetooth. A prompt will appear upon successful reset.
⚠ Note: The MAC address is the physical Bluetooth address of the current device, which serves as a unique identification from the factory, allowing differentiation between devices when the mobile phone is connected with Bluetooth.

• System



☑ Auto Screen Off

You can set the auto screen-off time during inactivity. Four options are available: never, 15 seconds, 1 minute, and 5 minutes. The system defaults to 15 seconds. After you adjust this setting, the system will retain it.

☑ Brightness

You can adjust the screen brightness across 5 levels. The configurable values are given as follows: (Dark) 1 2 3 4 5 (Bright). The default brightness setting is 5. Once adjusted, the system will retain your setting.

☑ Language

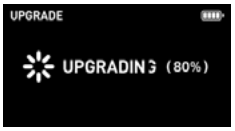
You can set the language displayed on the screen to either Chinese or English.

☑ System Reset

Enter this menu, select "CONFIRM", and press the confirm button to reset the device to factory settings. Resetting will only restore the device's system settings, and it will not erase the frequency data.

☑ Upgrade

The RX can be upgraded via its internal storage:
① Connect the RX to your computer using the included USB-C to USB-C data cable, then a window for RX internal storage will pop up on your computer. Download the up-to-date firmware from the Saramonic official website and place it in the pop-up window.
② Enter the “UPGRADE” menu of the RX, and select the "CONFIRM" option, then press the confirm button to proceed with the firmware upgrade. Once the upgrade is complete, the firmware version will display the latest version. You can access the "VERSION" option in the SYS menu to check the current firmware version information of the device.



If the RX is not connected to your computer or the upgrade files from it cannot be read, a prompt of "NO FIRMWARE" will appear on the screen. Please check whether the RX is properly connected to your computer and ensure that the upgrade files are complete and placed in the required location.

☑ Version

Enter this menu to view the current version, SN (serial number) information, or the date when the device version is upgraded.

• Device Name

In this menu, you can customize the device name. Use the up and down buttons to select the character you want to adjust, and then press the confirm button to save the adjustment.

Specifications

Transmitter

RF Modulation	Proprietary Digital RF Modulation
RF Freq Range	550 MHz to 960 MHz (Assign local legal frequency bands based on the region)
RF Power	10 mW, 25 mW, 50 mW, 100 mW
RF Frequency Step	100 KHz
RF Bandwidth	200 KHz
Channel RF Spacing	700 KHz
Antenna Connector	50 Ω SMA
Dynamic Range	130 dB
Distortion	<0.5%
Frequency Response	20 Hz to 20 kHz
Low Cut	0FF, 75 Hz, 100 Hz, 150 Hz
Mic Power	MIC-3 V, MIC-5 V, LINE
Mic Connector	3.5 mm TRS
Gain Range	0 dB to 30 dB
ADC Sampling-Rate	48 KHz
Bit Depth	24 bit
Clock Accuracy	0.15 PPM (1 frame out in 48 hours)
Timecode Type	LTC (SMPTE)
Timecode Framerate	23.98, 24, 25, 29.97, 29.97DF, 30
Media	MicroSD Card (Up to 256 GB)
File Format	Wav
Sampling-Rate	48 KHz
Record Format	24-bit or 32-bit Float
EIN	-132 dBV (-130 dBu) max (A-weighting, gain= 30 dB, 150 ohm source impedance)
Power Supply	External Battery / Power
Battery Life	Up to 9+ Hours with 2 NICE AA
Dimensions (mm)	80 x 62 x 19 mm
Weight (g)	85 g (excluding batteries and antenna) 120.5 g (including batteries and antenna)
Operating Temperature	-20°C to +45°C
Storage Temperature	-30°C to +60°C

Receiver

RF Modulation	Proprietary Digital RF Modulation
RF Freq Ranges	550 MHz to 960 MHz (Assign local legal frequency bands based on the region)
RF Power	10 mW, 25 mW, 50 mW, 100 mW

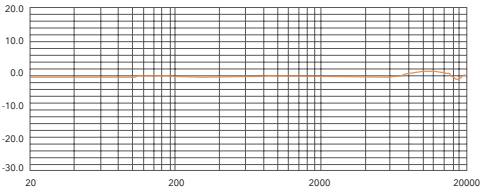
RF Frequency Step	100 KHz
RF Bandwidth	200 KHz
Channel RF Spacing	700 KHz
Antenna Connector	2 x50 Ω SMA
Receiver Audio	Analog Output (x 2)
Analog Output Dynamic Range	120 dB
Distortion	<0.5%
DAC Bit-Depth	24 bit
Output Type	Mono, Stereo, Headphone
Power Supply	External Battery / Power
Battery Life	Up to 8+ Hours with 2 NICE AA
Dimensions (mm)	88.1 x 66.1 x 23.6 mm
Weight (g)	112 g (excluding batteries and antenna) 157.5 g (including batteries and antenna)
Operating Temperature	-20°C to +45°C
Storage Temperature	-30°C to +60°C

Lavalier Microphone

Polar Pattern	Omnidirectional
Max SPL	118 dB
Dynamic Range	110 dB
Sensitivity	-35 dB (1.5 V, 2.2 K, at 1 KHz)
Equivalent Noise Level of Self-Noise	Typ 25 dB (A-weighted, Equivalent Sound Pressure Level))
Signal-to-noise Ratio	>68 dB
Operating Voltage	1.3 V to 5.0 V
Frequency Response	20 Hz to 20 KHz
Distortion	<3%
Weatherproof Standard	IP67
Operating Temperature	-20°C to +70°C
Tensile Performance	≥50 N
Tensile Strength	Maximal pulling force ≥50 N

Electromagnetic Interference Resistance	Passed EMI testing, suitable for complex environments such as stages and lighting interference scenarios
Weight	11 g
Cable Length	1.8 m
Mic Head Size	Ø 3mm*17.5mm
Connector	Locking 3.5 mm
Mic Input Compatibility	Locking 3.5 mm TRS with Sennheiser Pin-Out

Frequency Response



For better recording experience, the application **Saramonic System** is recommended.

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400-613-1096 www.saramonic.com support@saramonic.com

JIAYZ 长丰 | 深圳市长丰影像器材有限公司					
产品 / 零件名称	K9 说明书 (美国版)	**比例**	1:1	**变更担当**	V01
工程图号	K9 说明书 (美国版)	**物料描述**	80 克书纸 骑马钉 P24		
物料编码	1F0300400621	**尺寸 / 用量**	140 × 210mm 1PCS		
是否需要物料承认书	是	**正负公差**			
制图人 / 日期	贺磊 /2025.3.11				

修改名称	版本	变更内容	变更日期	变更担当
	V01	首次发行	2025.3.11	贺磊