SPROLINK®

Airlink

4K HDMI/UVC
Wireless Video Transmission

PRODUCT SPECIFICATION

V1.0

www.sprolink.com

Safety Precautions

Ignoring these precautions may result in personal injury or death, equipment damage, data loss, reduced equipment performance , or other unpredictable consequences.

●To avoid serious damage from possible electric shock, please temporarily remove the power cord from the product's power interface before moving the product.

●When adding new hardware to the product or removing existing hardware, always turn off the product power first. If possible, it is recommended to temporarily disconnect the power cord from the product interface.

●Before use, ensure the product is grounded and the power supply voltage is adjusted to the product's applicable range. Otherwise, it may lead to accidental damage, reduced performance, or unpredictable consequences.

●Do not use loose or damaged power outlets or touch power outlets with wet hands, as this may result in electric shock and fire.

●If you hear noise from the power cord or power connector, unplug the power cord immediately and seek help from your sales representative. Otherwise, there is a risk of fire or electric shock.

●If any foreign object or liquid enters the product, or if the product needs to be cleaned, please remove the power cord and any other cables from the product. Otherwise, there is a risk of electric shock, fire, and product damage.

●If the power supply is damaged, do not attempt to repair it yourself. Please contact a professional technical service provider or dealer for assistance.

Due to continuous updates to product features, your user manual may differ from actual application. Please download the latest user manual from the SP R OLIN K official website. This user manual was last updated on April 1, 2026.

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1.Quick Guide

1.1 Overview

Airlink wireless video transmission is a professional audio and video processing device launched by Xiamen SPROLINK Technology Co., Ltd., featuring 4K lossless transmission and 300meter transmission distance, 60ms low latency core feature, it is suitable for various scenarios such as live streaming, vlog, and professional film and television shooting . It supports driverless direct connection to multiple devices and one-to-four multi-terminal monitoring, balancing ease of operation and team collaboration efficiency . It is an efficient auxiliary tool for professional creation and commercial shooting.

1.2 Features

● Plug-and-play UVC connection for Pocket 3, action cameras and more, compatible with multiple shooting devices.
● Full HDMI ports for lossless 4K UHD signal transmission with uncompressed, delicate image quality.
● Built-in HDMI loop-out for local monitor connection and real-time video preview.
● Integrated KVM function enables remote host control, combining AV transmission with keyboard and mouse control.
● One-click horizontal/vertical screen rotation from 0° to 270°, ideal for multi-scenario live streaming.
● One-transmit and four-receive design for multi-terminal synchronous monitoring, improving team collaboration.
● Up to 300m long-distance transmission with 60ms ultra-low latency for flexible multi-camera layout.
● Dual power supply design ensures continuous operation and stable live streaming & recording.

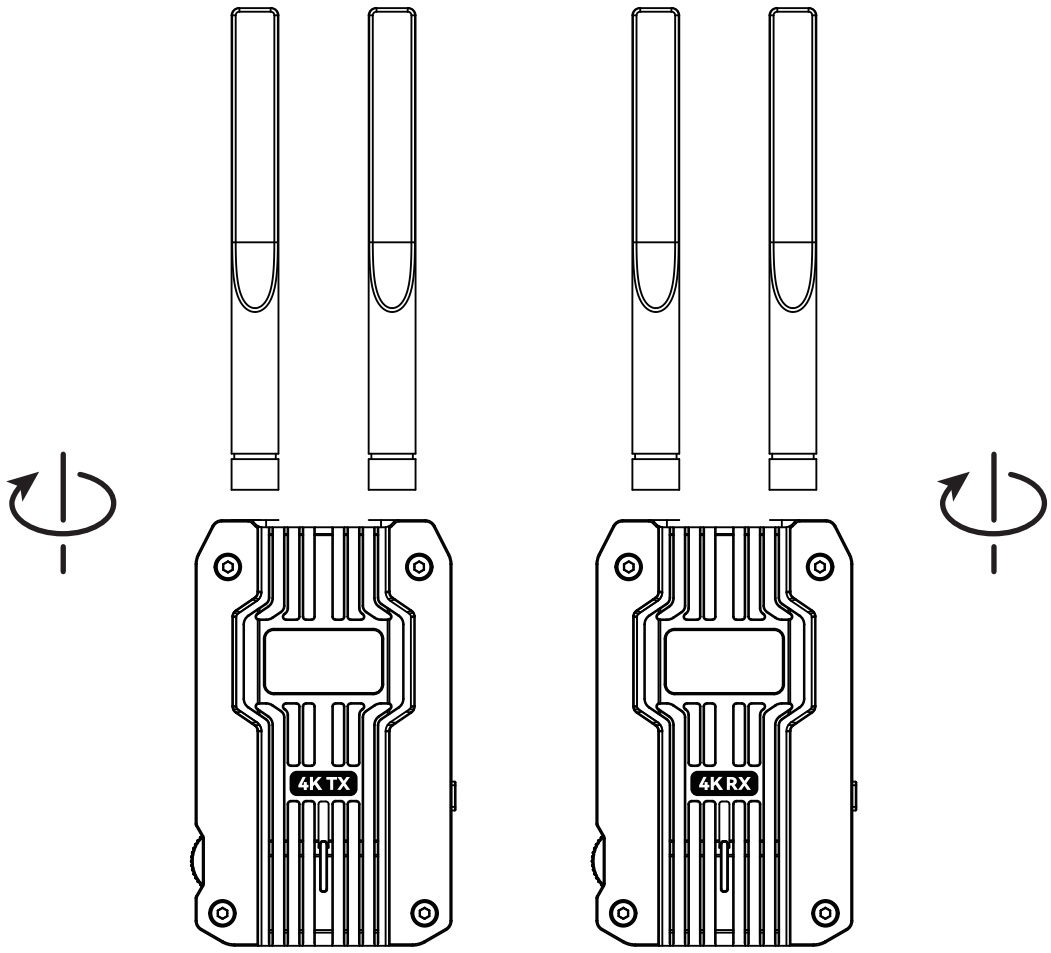
2. Interface Introduction

TX

RX

3. Installation Instructions

1. Install the antenna as shown in the diagram.
2. The transmitter can be installed to the camera using a dual-knob cold shoe mount.
3. The transmitter is powered by NP-F970/F750/F550 batteries and a USB-C power source .
4. Connect the camera to Airlink wireless video transmitter.

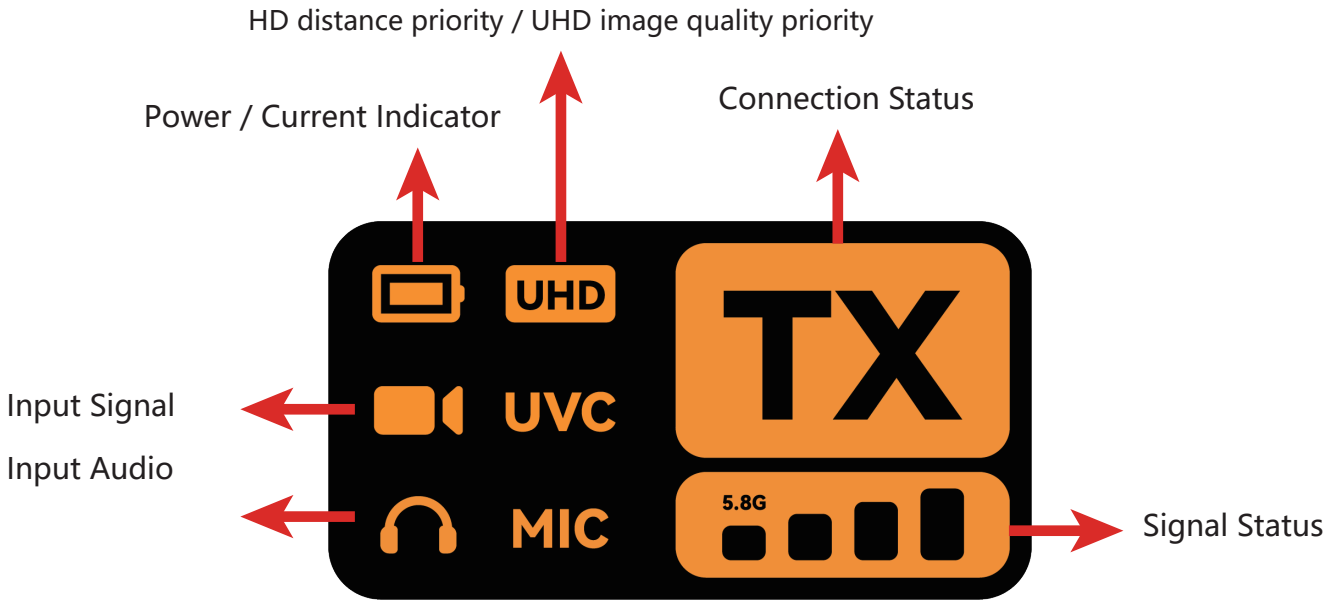


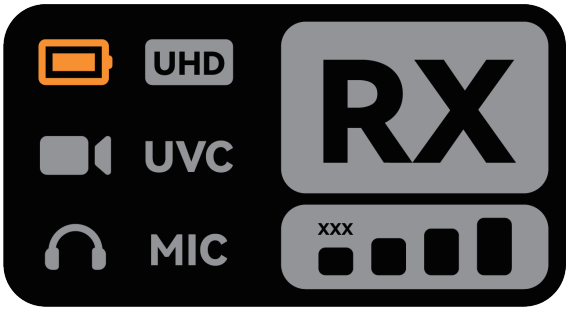
4. Turn on/off

Switch the slider up
to turn on

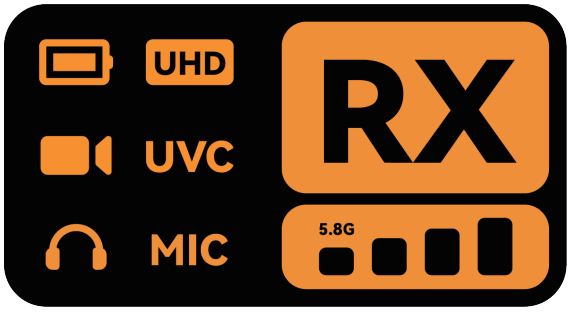
Switch it down
to turn it off

5. Display Interface





Not connected status



Connected status

5.1 Channel settings

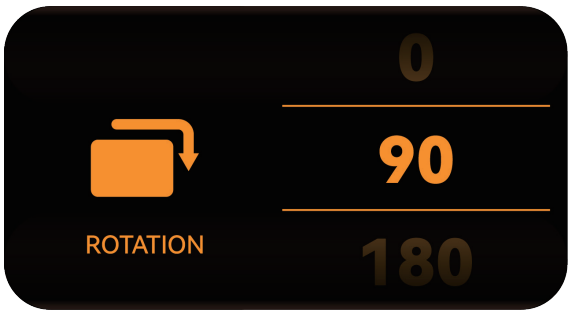
1. Homepage → Slide the knob to " VIDEO " → Press the knob to edit → Switch between " HDMI \ UVC " by knob → Press the knob to save.
2. The screen displays "HDMI / UVC connected", and the device automatically detects the HDMI / UVC video signal.
3. Use the knob to select the corresponding mode, and press to save; the receiver will automatically synchronize afterward.

5.2 Audio settings

1. Home → Slide the knob to " AUDIO" → Press the knob to edit → Switch between "HDMI" and "MIC" by moving the knob up and down → Press the knob to save;
2. The screen displays "HDMI/MIC connected," and the device automatically detects the HDMI/MIC video signal.
3. Use the knob to select the corresponding mode up or down, and press to save; the receiver will automatically synchronize afterward.

5.3 Landscape/Portrait Rotation Settings

1. Home screen → Slide the knob to "ROTATION" → Press the knob to edit → Move the knob to switch settings → Press the knob to save;
2. The knob can be moved up or down to switch the rotation angle, selectable 0°/90°/180°/270° → Press the knob to save the settings;
3. The receiver will automatically synchronize with the rotation angle of the transmitter, eliminating the need for separate settings on the receiver.



5.4 KVM Function Operation(Remote Keyboard and Mouse Control)

The KVM function enables remote control of shooting devices (such as cameras and computers) connected to the transmitter via a keyboard and mouse connected to the receiver, without the need for on-site equipment operation, making it suitable for scenarios such as remote debugging and live broadcast control.

1. To enable the function: Home screen → Slide the knob to "KVM" → Press the knob to enter settings → Move the knob up or down to switch to "ON" → Press the knob to save;
2. Connecting Devices: Transmitter (TX): Connects to the host/signal source (HDMI/SDI output + USB input);
3. Receiver (RX): Connects to monitor and keyboard/mouse;
4. To disable the feature: Go to the "KVM" settings, switch to "OFF " and save.

5.5 Image quality/distance priority settings (TX/RX auto-sync)

1. Home screen → Slide the knob to "PRIORITY " → Press the knob to enter settings → Move the knob up and down to switch settings; → Press the knob again to save;
2. The receiver will automatically synchronize after pressing save;
3. UHD mode: Prioritizes image quality and is suitable for 4K high-definition, unobstructed, and short-distance transmission scenarios;
4. HD Mode: Distance-first, suitable for long-distance, multi-obstruction, and complex environment transmission scenarios.

5.6 Frequency band switching (2.4GHz/5.8GHz)

1. Home screen → Slide the knob to "BAND" → Press the knob to enter settings → Switch settings up and down → Move the knob up and down to switch frequency bands , press the lever to save;
2. Band 1 (2.4GHz): Strong wall penetration capability, moderate anti-interference capability, suitable for indoor scenarios with multiple obstructions and short-distance transmission.
3. Band 2 (5.8GHz): Strong anti-interference capability, moderate wall penetration, suitable for outdoor unobstructed, long-distance, 4K high-definition transmission scenarios.

5.7 Receiver pairing (supports one transmit and one receive / one transmit and four receive)

1. Transmitter: Home → Slide the knob and press to enter " P AIRING" → Move the knob up or down to select "ON" → Press the knob to enter pairing mode;
2. This will trigger a pairing reset. After the reset, press the knob to confirm, which will clear the original pairing information and allow for re-pairing.(up to 4 receiver supported) .

6. UI Status and Corresponding Suggestions

6.1 Transmitter (TX) UI Status and Countermeasures

UI display status	**Corresponding device scenarios**	**Troubleshooting/Operational Recommendations**
No audio or video input.	When VIDEO is selected as HDMI, no HDMI devices are connected; or when VIDEO is selected as UVC, no UVC devices are connected.	1.Check that the input source cable is plugged in securely; 2.Confirm that the shooting equipment is powered on and outputting a signal normally; Verify that the VIDEO option matches the actual access interface.
The video, audio, and signal connections are normal.	The audio and video sources have been successfully connected, and the wireless transmission signal is stable.	The device can start audio and video transmission/multi-terminal monitoring normally without any additional operation.
UVC input status	The UVC video input has been successfully switched , and a valid UVC device has been connected.	Confirm that the audio source (HDMI/MIC) matches the current shooting/live streaming requirements, and adjust it as needed using the lever.
Paired but no connection displayed (No connection count at the top / Connection count not updated)	1.The receiver has completed pairing, but the signal handshake has not been completed. 2.Pairing information cache error; RX terminal is not powered on/not in receive mode.	1.Reboot the TX/RX devices to re-hand-shake; 2.Re-execute the pairing process; Confirm that the RX terminal is powered on and in receive standby mode.

6.2 Receiver (RX) UI Status and Countermeasures

UI display status	**Corresponding device scenarios**	**Troubleshooting/Operational Recommendations**
Not connected	with TX not completed, or wireless signal lost/interrupted after pairing.	1.Put the RX into pairing mode and re-pair it with the TX . 2.Shorten the distance between RX and TX to reduce occlusion; Check that the RX antenna is tightened.
Connection successful, no input required	with TX was successful, but TX has no valid audio or video signal input.	Go to the TX end and use the toggle switch to check the audio/video input source connection and VIDEO/AUDIO option settings to ensure that TX detects a signal.
No pairing, no signal transmission (No pairing information on the interface, no signal indication at the bottom)	1.successfully paired with TX ; 2.The pairing information has been cleared/expired; 3.The signal was completely lost due to excessive distance or frequency band mismatch . RX is not in receive mode.	1.Restart TX/RX and re-execute the pairing process; 2.Shorten the distance to within 10 meters, switch to 5.8GHz band; 3. Confirm that TX is powered on and in standby mode, and that there are no hardware malfunctions.

6.3 Error messages and quick solutions

Abnormal information in the bottom notification bar	Core Fault Cause	Quick Solution Steps
weak signal	1.The antenna was not tightened properly; 2.There are too many obstructions in the equipment room; 3.There is interference in the current frequency band; The distance between devices exceeds the transmission range.	1.Tighten the RP-SMA male antenna of the equipment; 2.Adjust the position of the equipment to reduce obstruction between them; 3.Use the toggle switch to the 5.8GHz band to avoid interference ; Shorten the distance between the transmitter and receiver.
Battery level below 20%	1.Built-in VP-F battery low power; Type-C external power supply is not properly connected.	1.Replace with a fully charged VP-F series battery; Connect to Type-C 5V/2A power adapter, ensure normal external power supply.
No signal	1.The audio/video input source cable is disconnected; 2.No audio or video output from the recording device was detected at the transmitting end; The shooting equipment is not powered on/ output is not enabled.	1.Reconnect and unplug the audio/video input cables, making sure they are securely plugged in. 2.Confirm that the shooting equipment is powered on and that the audio and video output functions are enabled; VIDEO option matches the actual access interface by checking the toggle switch.
KVM malfunction (Keyboard and mouse not responding)	1.The keyboard and mouse are not properly connected to the transmitter USB port; 2.KVM functionality is not enabled; Keyboard and mouse receiver malfunction	1.Reconnect the keyboard and mouse receiver to the USB-A port on the transmitter; 2.Check and enable KVM functionality to " ON "; Test with different keyboard and mouse receivers

7. Specifications

	TX	RX
Screen	LCD	
Interface Configuration	HDMI Input: HDMI 2.0 / HDMI Loop-Out: HDMI 2.0 USB-C: Type-C 3.0/USB-A: UVC3.0 input 3.5mm headphone jack 2-antenna connector (RP-SMA male)	HDMI output: HDMI 2.0 USB-C: Type-C 3.0/USB-A: USB 3.0 output 3.5mm headphone jack 2-antenna connector (RP-SMA male)
Power Supply Method	VP-F series batteries, Type-C 5V/2A	
Signal Format	2160P60、2160P30/29.97、2160P/25、1080P60/59.94、 1080P50、1080P30/29.97、1080P25、1080i60/59.94、 1080i50、720P60/59.94、720P50	
Frequency Band	2.4GHz、5.8GHz	
Power	<7.5W	<6.5W
Transmission Delay	<60ms	
Operating Temperature	-20-60℃	
Size	118H*71L*28W (excluding antenna)	
Weight	Approximately 210g	