RGBlink ASKnano 4K-1V2

RGBlink ASKnano 4K-1V2 Wireless HDMI Transmitter and Receiver Kit User Manual

Model: ASKnano 4K-1V2
Brand: RGBlink

INTRODUCTION

This user manual provides detailed instructions for setting up, operating, and maintaining your RGBlink ASKnano 4K-1V2 Wireless HDMI Transmitter and Receiver Kit. This plug-and-play system allows for seamless, high-definition wireless transmission of 4K video and audio from a single source to up to two displays simultaneously, ideal for various applications including home entertainment, presentations, and live broadcasts.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x ASK nano 4K TX (Transmitter)
- 2 x ASK nano 4K RX (Receivers)
- 3 x USB A-C Power Cables
- 3 x HDMI Male to Female Extender Cables
- 1 x Micro/Mini HDMI to HDMI Adapter
- 1 x User Manual (this document)

RGBlink ASKnano 4K-1V2 Kit contents including transmitter, two receivers, cables, and adapters.

SETUP GUIDE

1. Connecting the Transmitter (TX)

The transmitter (TX) connects to your video source device (e.g., laptop, PC, gaming console, camera).

1. Plug the HDMI male interface of the TX directly into the HDMI output port of your source device.
2. If the HDMI port is difficult to access, use one of the provided HDMI Male to Female Extender Cables.
3. For devices with Micro HDMI or Mini HDMI outputs (e.g., some cameras), use the Micro/Mini HDMI to HDMI Adapter.
4. **Power Supply for TX:** The TX unit typically draws power directly from the HDMI port (especially USB 3.0 compatible ports). If additional power is needed, connect one of the USB A-C Power Cables to the Type-C power supply port on the TX and to a 5V/1A USB power source (e.g., a USB port on your computer or a USB wall adapter).
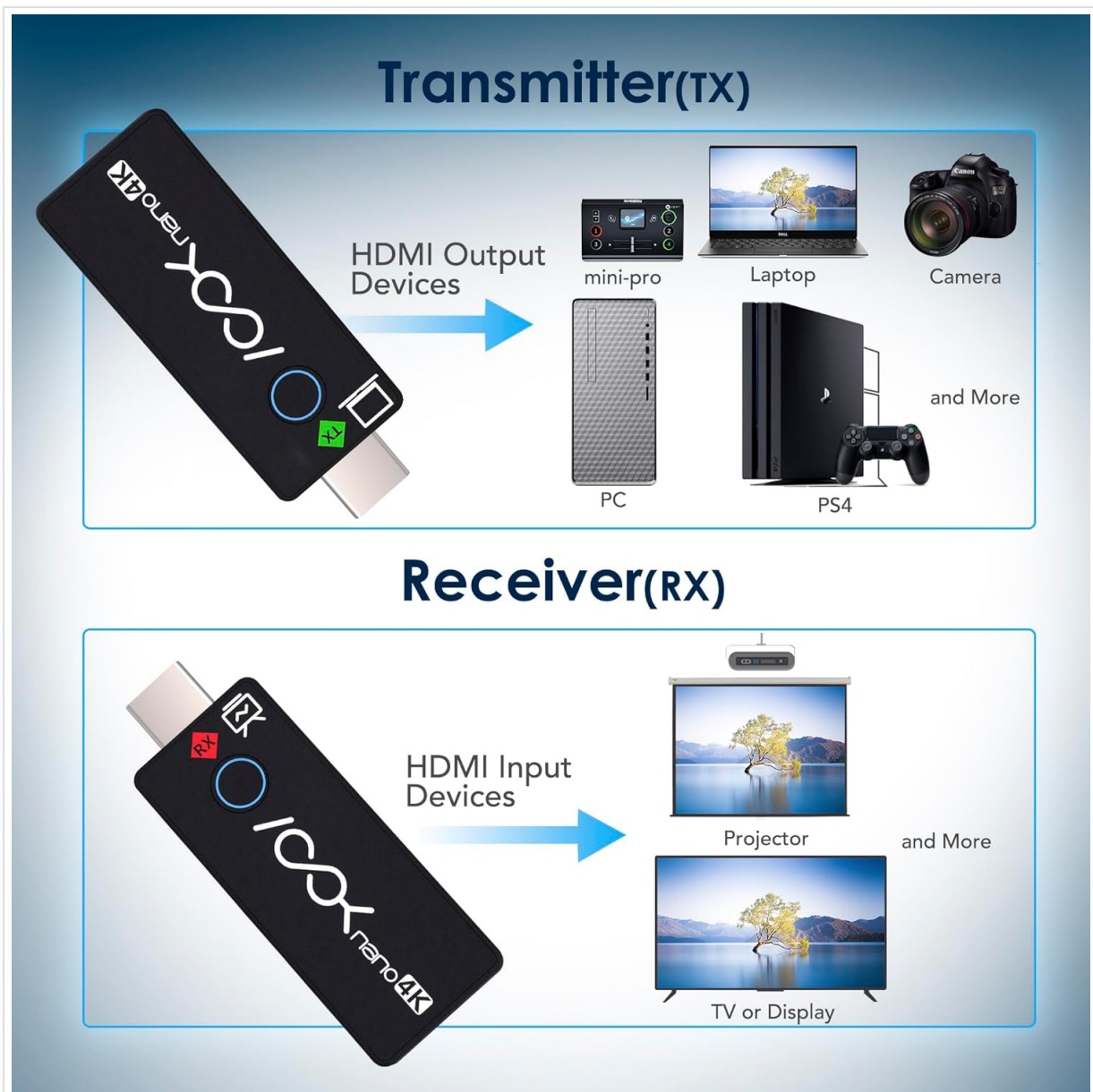
Diagram showing the RGBlink ASKnano 4K Transmitter (TX) connecting to various HDMI output devices like a PC, laptop, camera, and PS4.

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Video: How to connect RGBlink Ask Nano 4K Wireless HDMI Transmitter and Receiver. This video demonstrates the physical connection process for both the transmitter and receiver units.

2. Connecting the Receivers (RX)

The receivers (RX) connect to your display devices (e.g., TV, monitor, projector).

1. Plug the HDMI male interface of each RX directly into an available HDMI input port on your display device.
2. If the HDMI port is difficult to access, use one of the provided HDMI Male to Female Extender Cables.
3. **Power Supply for RX:** Connect one of the USB A-C Power Cables to the Type-C power supply port on the RX and to a 5V/1A USB power source (e.g., a USB port on your TV/monitor or a USB wall adapter). Ensure sufficient power for optimal performance.

Diagram illustrating the RGBlink ASKnano 4K Receiver (RX) connecting to HDMI input devices such as a projector and TV/display.

3. Pairing (If Needed)

The TX and RX units are pre-paired from the factory. If pairing is lost or you are adding new receivers, follow these steps:

1. Long press the RX's middle button until the "reset symbol" appears on the connected display.
2. Power on the TX unit and wait for it to automatically pair with the RX.
3. Wait 10-20 seconds. The display will show "Paired is OK" once the connection is established.
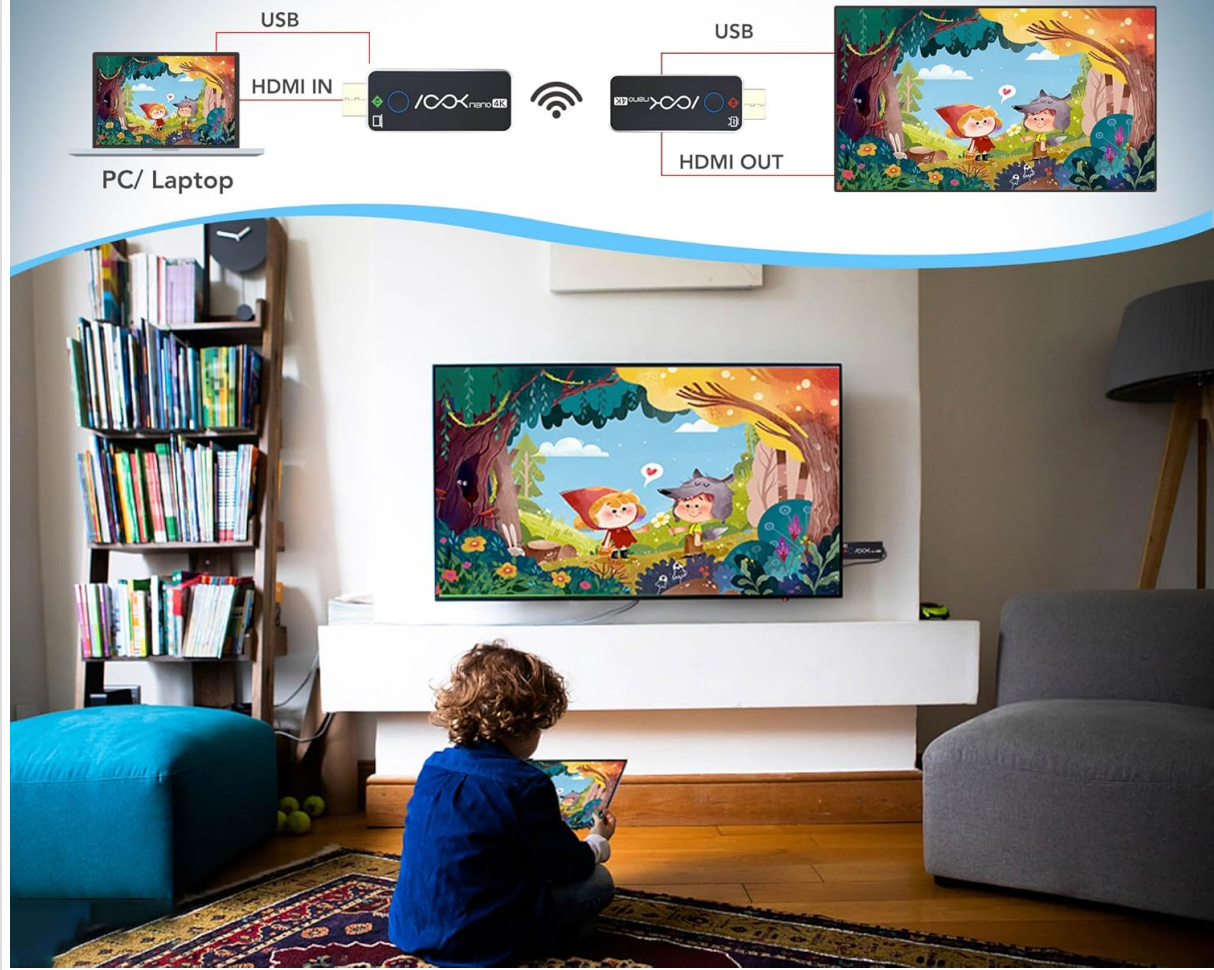
OPERATING INSTRUCTIONS

Plug and Play Operation

Once the TX and RX units are connected and powered, the system is designed for immediate use. The TX will automatically project the screen of your signal source to the connected RX displays.

Illustration of the RGBlink ASKnano 4K system in a plug-and-play setup, showing a PC/laptop connected to the TX, wirelessly transmitting to an RX connected to a TV.

Multi-Display Support (1 Transmitter to 2 Receivers)

This kit supports transmitting content from one source (TX) to two displays (RX) simultaneously, providing unmatched flexibility for dual monitor setups, presentations, or extended viewing.

Image showing a laptop wirelessly transmitting to two separate displays, demonstrating the 1-to-2 receiver capability of the RGBlink ASKnano 4K.

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Video: How to wirelessly transfer HDMI video to 4 screens. This video demonstrates setting up multiple receivers for multi-screen display.

Wireless Transmission Range

The RGBlink ASKnano 4K offers a stable signal within a range of 65 feet (20 meters) in open areas without obstructions. For optimal and uninterrupted streaming, a distance of 32 feet (10 meters) is recommended.

Important Note:

Do not place the wireless transmitter or receiver in enclosed spaces like drawers or behind TVs, as this may affect signal transmission and lead to interference or signal loss.
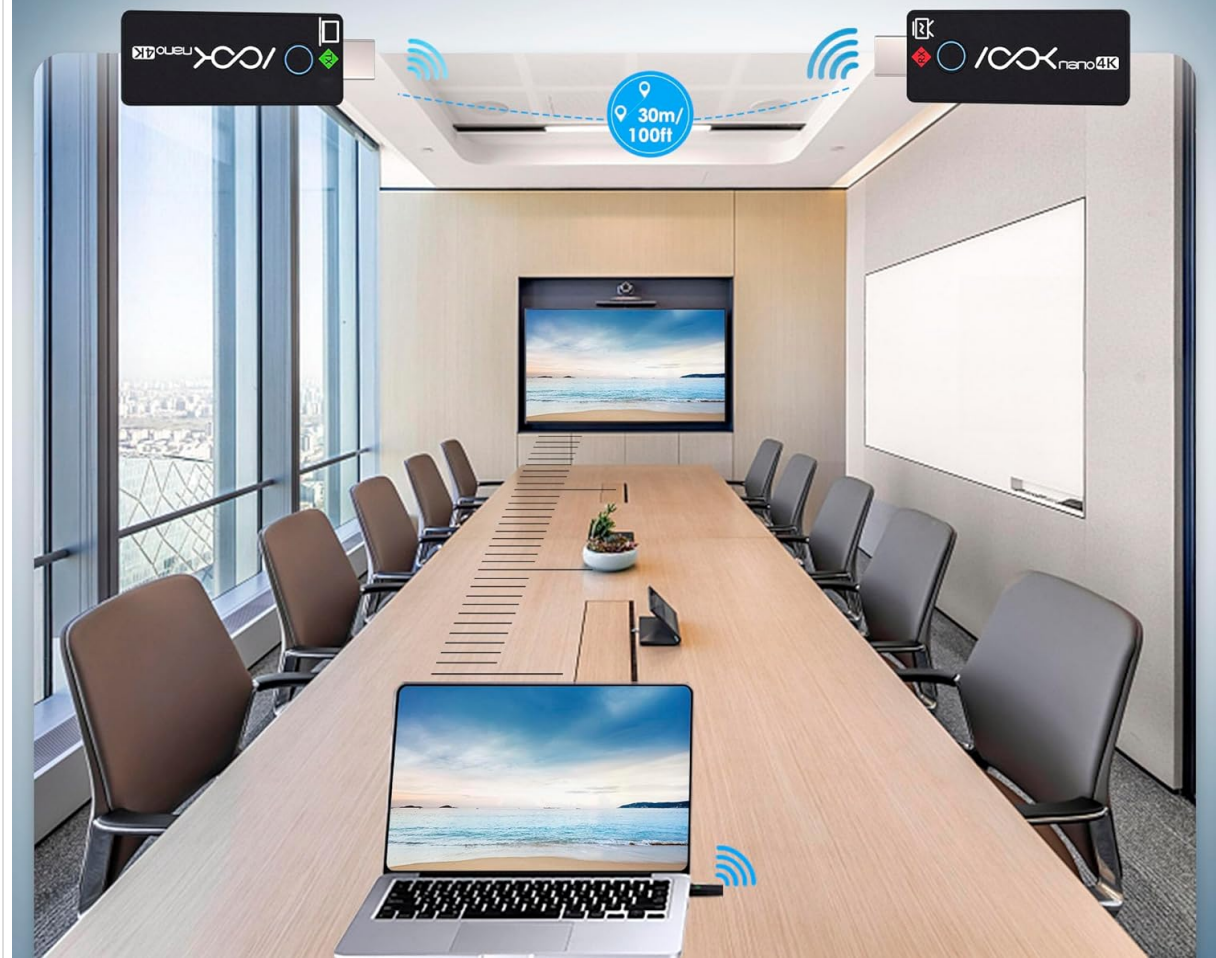
Image depicting the RGBlink ASKnano 4K system in a meeting room, illustrating a long-range wireless transmission of up to 100 feet (30 meters) from a laptop to a large display.

Screen Mirroring (via RX)

The RX unit can also function independently for screen mirroring from compatible smartphones or tablets (not compatible with mobile phones or tablets directly via TX, but RX can mirror from them). It supports WIFI 5G transmission protocol and automatically selects the optimal channel.

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Video: RGBLink HDMI transmitter + Screen mirroring Operation & Demo. This video demonstrates the screen mirroring functionality using a smartphone.

MAINTENANCE

To ensure the longevity and optimal performance of your RGBlink ASKnano 4K-1V2 kit, follow these maintenance guidelines:

- Keep the devices clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the units to extreme temperatures, humidity, or direct sunlight.
- Do not block the ventilation holes on the devices to prevent overheating.

- Handle the HDMI connectors and USB-C ports with care to prevent damage.
- Store the kit in a cool, dry place when not in use.

TROUBLESHOOTING

If you encounter issues with your RGBlink ASKnano 4K-1V2 kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Signal / Black Screen	Insufficient power, incorrect HDMI input, pairing issue, signal interference.	Ensure both TX and RX have stable 5V/1A power. Verify correct HDMI input on display. Re-pair units if necessary (see Setup Guide). Reduce distance between TX/RX or remove obstructions.
Lag / Stuttering Video	Signal interference, excessive distance, obstructions, low power.	Move TX/RX closer together (recommended within 32 feet). Remove physical obstructions. Ensure stable 5V/1A power. Avoid placing units in enclosed spaces.
No Audio	Audio settings on source/display, HDCP compatibility.	Check audio output settings on your source device and input settings on your display. Ensure HDCP compatibility (TX supports 1.4, RX supports 2.2).
Pairing Failure	Incorrect pairing procedure, power issues.	Follow the manual pairing steps precisely (see Setup Guide). Ensure both units are properly powered.
Not compatible with mobile phones/tablets	Direct TX connection is not supported for mobile devices.	The TX unit is designed for HDMI output devices. For mobile devices, use the RX unit's screen mirroring function (AirPlay/Miracast) if supported by your mobile device.

SPECIFICATIONS

Feature	Detail
Model	ASKnano 4K-1V2
Brand	RGBlink
Transmitter (TX) Max Resolution	4K (3840x2160) @ 24/25/30Hz; 1080P @ 24/25/30/50/60Hz; 720P @ 50/60Hz
Receiver (RX) Max Output Resolution	Up to 4K (3840x2160) @ 60Hz
HDMI Standard	HDMI 2.0 (RX), HDMI 2.0 / HDCP 2.2 (TX)
HDCP Support	TX: HDCP 1.4, RX: HDCP 2.2
Connectivity Technology	Wireless (WIFI 5G transmission protocol)

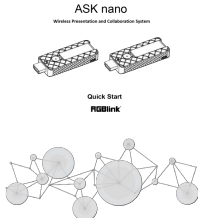| Feature	Detail
Wireless Range	Up to 65 feet (20 meters) in open areas; 32 feet (10 meters) recommended for stable connection.
Power Supply	USB-C, DC 5V/1A (Max 3.0W)
Dimensions	6.7 x 4.72 x 2 inches
Item Weight	12.6 ounces

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official RGBlink website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Official User Manual (PDF): Download PDF

Related Documents - ASKnano 4K-1V2

RGBlink ASK plus p2p 4K Wireless HDMI Extender Quick Start	[RGBlink ASK plus p2p 4K Wireless HDMI Extender Quick Start Guide](#) Quick start guide for the RGBlink ASK plus p2p, a 4K wireless HDMI extender supporting 4K@60 resolution and 100ms low latency. Learn about product features, setup, specifications, and warranty.
ASK nano 4K (USB-C) Wireless Presentation and Collaboration System User Manual RGBlink	[ASK nano 4K (USB-C) Wireless Presentation and Collaboration System User Manual](#) This user manual provides comprehensive instructions for the RGBlink ASK nano 4K (USB-C) wireless presentation and collaboration system. Learn about product features, installation, operation, troubleshooting, and technical specifications.
mini RGBlink User Manual	[RGBlink mini Video Switcher User Manual: Features, Operation, and Setup](#) A comprehensive guide to the RGBlink mini video switcher, covering installation, setup, operation, key features like HDMI inputs, touchscreen control, USB recording, PTZ control, and TAO Cloud integration for live streaming and content creation.

ASK nano Wireless Presentation and Collaboration System Quick Start RGBlink	**RGBlink ASK nano Quick Start Guide: Wireless Presentation and Collaboration** A concise guide to setting up and using the RGBlink ASK nano wireless presentation and collaboration system. Learn about installation, pairing, screen projection for PC, iPhone, and Android devices, and common FAQs.
mini-mx User Manual RGBlink	**RGBlink mini-mx User Manual: Your Guide to Professional Video Streaming and Mixing** Explore the features and functionalities of the RGBlink mini-mx video mixer and streaming device with this comprehensive user manual. Learn about setup, operation, streaming, and advanced settings.
mini-pro RGBlink mini-pro Streaming Switcher	**RGBlink mini-pro: Compact 4K HDMI Streaming Switcher** Explore the RGBlink mini-pro, a versatile and compact live streaming switcher featuring 4K@60 HDMI inputs, USB 3.0 webcam output, RTMP streaming, and advanced control features for professional broadcast production.