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› Nyrius Aries Home+ Wireless HDMI Transmitter & Receiver (NAVS502) Instruction Manual

## Nyrius NAVS502

# Nyrius Aries Home+ Wireless HDMI Transmitter & Receiver (NAVS502) Instruction Manual

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your Nyrius Aries Home+ Wireless HDMI Transmitter & Receiver (Model NAVS502). This system allows you to wirelessly transmit high-definition 1080p 3D video and digital audio from various source devices to your display, eliminating the need for long HDMI cables.



Image: The Nyrius Aries Home+ Wireless HDMI Transmitter (left) and Receiver (right) units.

## PACKAGE CONTENTS

- Digital Wireless HD Transmitter
- Digital Wireless HD Receiver with Built-in IR Remote Extender
- External IR Remote Extender
- 2x 5ft 100-240V AC Power Adapters
- 5ft HDMI Cable
- Remote Control
- 2x Screws/Screw Anchors (for wall mounting)
- Quick Start Guide

# SETUP INSTRUCTIONS

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## 1. Initial Pairing (Recommended)

For optimal performance, it is recommended to power on both the transmitter and receiver in the same room first to establish a strong initial signal. Once connected, they can be moved to their final locations.

1. Connect both the transmitter and receiver to their respective power adapters and plug them into a power outlet.
2. Wait for the power LED on the receiver and the link light on the transmitter to become solid, indicating successful pairing.

## 2. Connecting the Receiver to your Display

1. Connect one end of the provided HDMI cable to the HDMI OUT port on the receiver.
2. Connect the other end of the HDMI cable to an available HDMI input on your TV or projector.
3. Ensure your display is set to the correct HDMI input source. An on-screen display will show the receiver's status.

## 3. Connecting the Transmitter to Source Devices

The Nyrius Aries Home+ transmitter features two HDMI input ports, allowing you to connect up to two source devices simultaneously.

1. Connect an HDMI cable from your source device (e.g., cable box, Blu-ray player, gaming console, PC, laptop) to either HDMI 1 or HDMI 2 input on the transmitter.
2. If connecting a second source, use the other HDMI input port.



## 2 HDMI Inputs

Plug in two source devices at once, and switch between them using the included remote control.

Image: The transmitter unit highlighting its two HDMI input ports.

#### 4. Using the HDMI Loop-Through Feature

The transmitter includes an HDMI loop-through (labeled 'HDMI OUT') which allows you to connect a local display directly to the transmitter while simultaneously sending the signal wirelessly to the receiver. This enables one source to be viewed on two displays at the same time.

1. Connect an HDMI cable from the 'HDMI OUT' port on the transmitter to a local TV or display.
2. This setup provides one wired and one wireless display from the same source.

Video: Demonstrates the HDMI loop-through feature, allowing a single source to be displayed on both a wired and a wireless TV simultaneously.

#### 5. Setting up the IR Remote Extender

The IR remote extender allows you to control your source device (e.g., cable box) from the location of your wireless display.

1. Connect the external IR remote extender cable to the 'IR OUT' port on the transmitter.
2. Position the IR blaster bulb(s) 2 to 4 inches in front of the infrared sensor of your source device. This

sensor is often a small, dark, clear plastic cover on the front of the device.

3. Point your original remote control for the source device at the front of the Nyrius receiver. The receiver will relay the signal to the transmitter, which then uses the IR blaster to control your source device.

Video: Instructions on how to properly use and position the IR Extender for remote control functionality.

				
	ARIES HOME+	ARIES PRIME	ARIES PRO	ARIES PRO+
RANGE (LINE OF SIGHT)	100FT	30FT	100FT	165FT
3D COMPATIBLE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZERO LATENCY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
IR EXTENDER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1080P TRANSMISSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INPUTS	2X HDMI	1X HDMI	1X HDMI	1X HDMI
HDMI LOOP THROUGH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Image: A user controlling a device with the IR Extender, demonstrating its functionality.

## 6. PC Display Settings (for PC/Laptop sources)

When connecting a PC or laptop, you can configure your display settings to either duplicate or extend your monitor.

1. Connect your PC/laptop to the transmitter via HDMI.
2. Access your PC's display settings (e.g., by searching 'Display Settings' in Windows).
3. Choose 'Duplicate desktop to this display' to mirror your PC's screen on the wireless display.
4. Choose 'Extend desktop to this display' to use the wireless display as an extended monitor.

Video: Guide on how to change PC display settings to mirror or duplicate your monitor for use with the Nyrius Aries Home+.

# OPERATING INSTRUCTIONS

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## Switching HDMI Inputs

If you have connected two source devices to the transmitter's HDMI 1 and HDMI 2 inputs, you can switch between them using the included remote control or the 'Source' button on the transmitter unit.

1. Press the 'Input' button on the Nyrius remote control to cycle between HDMI 1 and HDMI 2 sources.
2. Alternatively, press the 'Source' button directly on the transmitter unit.

## Controlling Source Devices with IR Extender

Once the IR extender is properly set up, simply point your original source device remote at the Nyrius receiver. The signal will be transmitted to the source device, allowing you to control functions like changing channels or navigating menus.

## Optimal Performance

The Nyrius Aries Home+ is designed for powerful long-range signal transmission up to 100 feet line-of-sight, even through walls, ceilings, and floors, with zero latency. For best results, ensure minimal obstructions between the transmitter and receiver.



Image: The Nyrius Aries Home+ system demonstrating its powerful long-range signal capability in a home environment.

## MAINTENANCE

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To ensure the longevity and optimal performance of your Nyrius Aries Home+ system, follow these general maintenance guidelines:

- Keep the units in a well-ventilated area to prevent overheating.
- Clean the exterior of the units with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- Ensure all cable connections are secure.
- Avoid placing heavy objects on top of the units.

## TROUBLESHOOTING

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### No Signal / Intermittent Signal

1. **Check Power:** Ensure both the transmitter and receiver are properly powered and their respective indicator lights are solid.
2. **Check HDMI Connections:** Verify that all HDMI cables are securely connected between source devices,

the transmitter, the receiver, and the display.

3. **Display Input:** Confirm your TV or projector is set to the correct HDMI input source for the receiver.
4. **Re-pair Units:** If the link light is not solid, try powering off both units, then power them back on in the same room to re-establish the connection.
5. **Reduce Interference:** Move the units away from other wireless devices (e.g., Wi-Fi routers, cordless phones) that might cause interference.
6. **Line of Sight:** While designed to work through obstructions, direct line-of-sight often provides the most stable connection. Try adjusting the position of the units.

Video: A step-by-step guide on setting up the Nyrius Aries Home+ for the first time, which can help resolve initial connectivity issues.

## IR Remote Extender Not Working

1. **Bulb Placement:** Ensure the IR blaster bulb is directly in front of the source device's IR sensor. Adjust its position slightly if needed.
2. **IR Frequency:** Some source devices use different IR frequencies. Use the 'IR' button on the Nyrius remote control to cycle through the three possible IR frequencies until your source device responds.
3. **Remote Batteries:** Check the batteries in your original source device remote.

## SPECIFICATIONS

Feature	Specification
Model Number	NAVS502
Product Dimensions	7.5 x 7.6 x 1.5 inches
Item Weight	2.33 pounds
Connectivity Technology	Wireless
Total HDMI Ports	4 (2 Input, 1 Output on Transmitter; 1 Input on Receiver)
Compatible Devices	Personal Computer, Television, Game Console, Xbox, Playstation, Game Console
Audio Output Mode	Surround
Surround Sound Channel Configuration	5.1
Video Encoding	H.264
Wireless Range	Up to 100ft (line of sight)
Latency	Zero Latency

# Receiver



# Transmitter



Image: Detailed dimensions of the Nyrius Aries Home+ Transmitter and Receiver units.

## WARRANTY AND SUPPORT

The Nyrius Aries Home+ (NAVS502) comes with a 1-year manufacturer's warranty. For technical assistance, troubleshooting, or warranty claims, please contact Nyrius customer support. Lifetime customer support is provided.

For further assistance, visit the official Nyrius support website or refer to the contact information provided in

your product packaging.