

NYRIUS

USER GUIDE

ARIES™ Home+ Wireless HD Transmitter

with 3D Compatibility and IR Remote Extender



NAV501

www.NYRIUS.com

Thank you for your purchase of this Nyrius product. Please read this instruction manual carefully before using product to ensure proper use. Keep this manual in a safe place for future reference.

TABLE OF CONTENTS

Table of Contents.....	2
What's Included	2
Features	2
Buttons and Connections	3
Setup	4
Operation.....	5
Troubleshooting.....	6
Specifications.....	7
FCC Statement.....	8
Safety Information.....	9
NYRIUS Warranty	10

WHAT'S INCLUDED

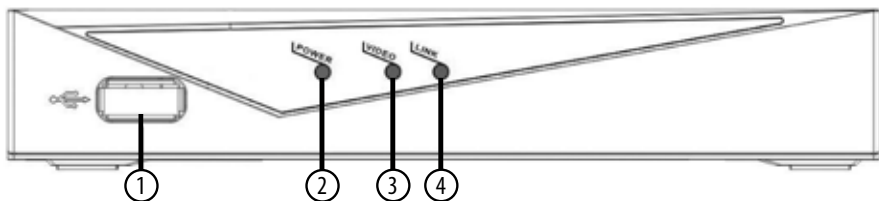
- Digital Wireless HD Transmitter
- External IR Remote Extender
- Digital Wireless HD Receiver with Built-in IR Remote Extender
- Remote Control
- Velcro strips
- 2 100-240V AC Power Adapters
- 1 6ft HDMI Cable
- Instruction Manual
- 1 Year Warranty
- Lifetime Live Customer Support

FEATURES

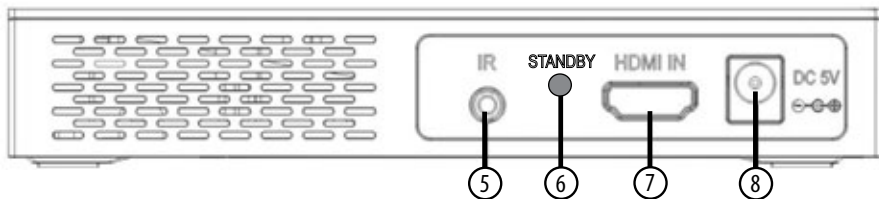
- Transmit high definition video and digital audio signal wirelessly to your TV
- 3D Compatible + Multiple Transmitters
- Supports video resolution 1080p, 1080i, 720p, 720i, 576p, 480p
- Provides long range 100ft signal through walls, ceilings, floors without latency
- Easy plug and play installation without running messy wires
- Control your HD devices from any room in your house with the infrared remote extender

BUTTONS AND CONNECTIONS

Transmitter - FRONT

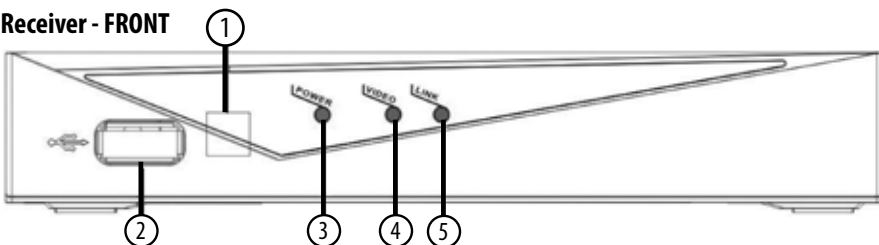


Transmitter - BACK

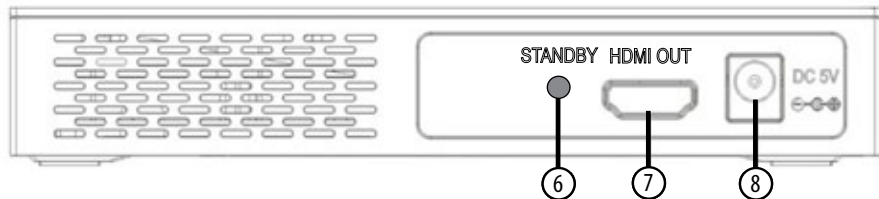


- 1. USB SOCKET** - For software upgrades and keyboard or mouse connection
- 2. POWER LED** - Indicates power on
- 3. VIDEO LED** - Indicates HDMI connection
- 4. LINK LED** - Indicates wireless connection
- 5. IR 3.5mm SOCKET** - Connect external IR remote extender
- 6. STANDBY BUTTON** - Set unit to standby/pairing
- 7. HDMI SOCKET** - Connect your HDMI device
- 8. 5V DC POWER SOCKET** - Connect to power supply

Receiver - FRONT



Receiver - BACK

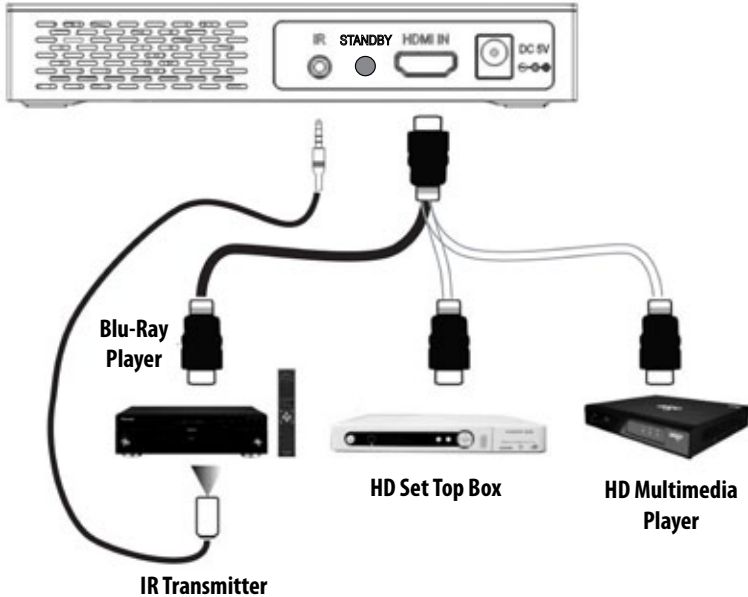


- 1. IR SENSOR WINDOW** - Detects IR commands
- 2. USB SOCKET** - For Software upgrades and keyboard or mouse connection
- 3. POWER LED** - Indicates power on
- 4. VIDEO LED** - Indicates HDMI connection
- 5. LINK LED** - Indicates wireless connection
- 6. STANDBY BUTTON** - Set unit to standby
- 7. HDMI SOCKET** - Connect your HDMI device
- 8. 5V DC POWER SOCKET** - Connect to power supply

SETUP

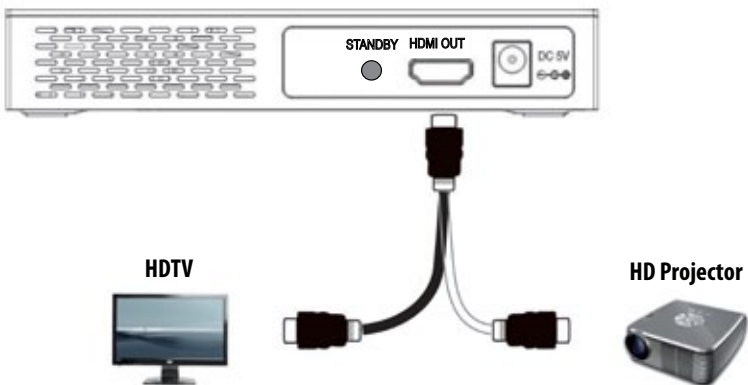
Transmitter Connection

1. Connect your HDMI device to the transmitter using the HDMI cord.
2. Plug the external IR remote extender lead into the IR socket on the back of the transmitter and place the IR remote extender bubble in front of the HD device.
3. Connect the power supply to the DC socket.



Receiver Connection

1. Connect your HD device to the receiver using the HDMI cord.
2. Connect the power supply to the DC socket.



WARNING: Do not move the transmitter or receiver from their positions once they are connected.

SETUP

Multicast function means that a receiver can be connected to many transmitters, (up to 8 transmitters) by using the remote control.

Connecting multiple transmitters with one receiver

1. Press the [MENU] key of the remote control to enter the MAIN MENU, press the directional keys to select [Add new Video Source] or press the [Add] key to add a video source. Please be sure that the remote control is pointing to the receiver's IR sensor.
2. "Please Activate Registration On Transmitter Unit" will appear on the screen. Press the STANDBY BUTTON on the transmitter for 1 second to activate the Registration then a progress bar will appear.
3. The Registration will be completed within 3 minutes.
4. The Transmitter will be connected automatically and transmit audio and video after the Registration.
5. To add more than one video source, please repeat steps 1-3 after connecting each device.

USB Input

- The USB connection is compatible with a USB keyboard or mouse (only one device at a time).
- Using a USB hub or external harddrive will not work with this device.

Setting Up a Keyboard or Mouse with the USB Input

1. Connect a USB cable from your computer to the transmitter's USB connection.
 2. Connect your keyboard OR mouse to the receiver's USB connection.
 3. On your computer, navigate to Display Properties (or screen properties).
 4. Under the Settings tab in Display Properties, choose your HDTV system as either the "Primary Monitor" or "Monitor 2".
- Works with both PC and MAC systems.

Standby Function

1. On the receiver, press and hold the Standby key for 3 seconds and the receiver will go into Standby (sleep mode). Press the Standby button once again to switch the receiver to ON mode.
 2. On the transmitter, press and hold the Standby key for 3 seconds and the transmitter will go into Standby (sleep mode).
 3. When there is no signal transmission sent from the HD device to the transmitter or receiver for one minute, they will automatically enter light sleep mode. The link LED and video LED will turn OFF.
- Setting the devices to standby mode reduces power usage by about 2.5W.

- Indicates **RED** LED is lit ● Indicates **GREEN** LED is lit

Status	Transmitter			Receiver		
	Power	Video	Link	Power	Video	Link
Power	●			●	●	
Link	●	●	●	●		●
Standby (sleep mode)	○			○		

TROUBLESHOOTING

Before following the troubleshooting guide below please make sure that your Transmitter, Receiver and attached equipment (HD source and display) are all properly connected switched on and not in Standby Mode.

No Video	<ul style="list-style-type: none">• Check the status of the Link LEDs, and check if the HD device is working normally• Check the HDMI lead is undamaged and is plugged into the correct socket• Check that the correct HDMI output has been selected from the HD device's menu and that the HDMI lead is plugged into the correct output socket• Check that the correct HDMI input has been selected from the TV menu and that the HDMI lead is plugged into the input socket selected• Make sure that it is the Receiver that is connected to the HDTV display, and the Transmitter that is connected to your HD device
Power LED OFF	<ul style="list-style-type: none">• Make sure the power is connected, and check the power adaptor output 5V/3A DC
Transmitter Video LED OFF	<ul style="list-style-type: none">• Check the HD device is powered on• Make sure the Transmitter is powered on• Make sure the HD device is on, connected to the HDMI socket and outputting a supported resolution (1080p, 1080i, 720p, 720i, 576p, 480p). The Green LED will switch OFF if an unsupported video signal is output
Receiver Video LED is ON	<ul style="list-style-type: none">• Part of the system is not properly connected or the signal received is not of good enough quality/strength• Make sure the HD display is connected, switched ON and set to the right channel/input (e.g. HDMI channel)• Check the HDMI lead is undamaged and is plugged into the correct socket
Transmitter / Receiver Link LED Flashes	<ul style="list-style-type: none">• Make sure the Transmitter and Receiver are not positioned too far apart. Move them closer together to check minimum effective range. Make sure the HD device is switched ON and had been connected to Transmitter
Bad Picture	<ul style="list-style-type: none">• Make sure the HDMI leads used are undamaged and that you can get a good picture when the source is connected directly to the display with an HDMI lead• Make sure nothing is touching or blocking the signal to the built in antennas• Move Transmitter and Receiver closer together• Restart the HD device or reconnect the HDMI lead
Bad Audio/No Audio	<ul style="list-style-type: none">• Make sure that the source is outputting supported audio formats• If the audio signal drops out, Restart the audio source and reconnect the HDMI lead• Make sure there is no 5.8GHz wireless phone within 50cm of the Receiver. Some phones use substandard transmission schemes
Other Issues/ Unresolved Issues	<ul style="list-style-type: none">• If any other issue occurs or if the above issues persist, try switching OFF both Transmitter and Receiver and repeating the link set-up process

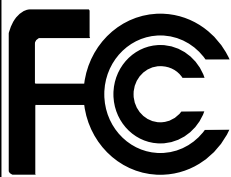
For further questions or inquires, please contact **NYRIUS** customer support at:

1.866.946.7828 or email **support@NYRIUS.com**

SPECIFICATIONS

Supported Video Resolutions	1080p, 1080i, 720p, 720i, 576p, 480p	
HDMI Interface	Supports HDMI 1.4a Video Audio format and HDCP 2.0 with video encryption	
Transmission Distance	100ft (30m) Line of Sight (LOS)	
Operating Frequencies	4.9GHz~ 5.9GHz (with DFS function)	
Bandwidth	40MHz	
Frequency Stability	+/- 4ppm	
Transmission Power	$\geq 12\text{dBm}$	$\geq 17\text{dBm}$
Receiving Sensitivity	$\leq -75\text{dBm}$	$\leq -65\text{dBm}$
System Latency	$< 1\text{ ms}$	
Antenna	Omni-directional internal antennas.	
Supporting link speeds	Up to 2.5GBps	
Compatible TV Systems	NTSC, PAL	
Certification	FCC, CE, ICES-003	
Regulations	WHDI 1.0	
Power Supplies	AC 100~ 240V , 5V 3A DC Power Adaptor	
IR Function	3.5mm Jack Plug, External IR Transmitter Eye	Built-in Infrared Remote-control Receiver Module
Working temperature	$0^{\circ}\text{C} - 50^{\circ}\text{C}$	
Dimensions	146(L) x 93(W) x 25mm(H)	
Weight	110 g	

FCC STATEMENT



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This class B digital apparatus complies with Canadian ICES-003.

WARNING:

This equipment has been tested and is found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

WARNING:

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

SAFETY INFORMATION

Do not use close to refrigerators, washing machines and metal furniture. Place on a stable surface and make sure connecting wires are routed to minimize the chance of accidents.

Only use the DC power adaptors supplied, if they must be replaced make sure the replacements have the same output rating of 5V 3A DC.

Avoid exposing your equipment to harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places that are very dusty.

Do not cover or place heavy objects on the units. Make sure there is sufficient clearance around the units to allow adequate ventilation.

Never push objects into holes or ventilation slots.

To save power turn OFF the switches on the power adaptor leads or unplug the power adaptors from the power sockets when you are not using the equipment.

Don't continue to use any part of this equipment if you have spilled liquids on it, if it is damaged in any way or if it does not work normally. Immediately unplug the equipment and get expert advice.

Cleaning: disconnect the main power supply and use only a lightly dampened cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.

- To prevent electric shock, do not remove any cover.
- If anything goes wrong, don't try and fix it yourself, get a qualified engineer to look at it.
- Do not expose this equipment to dripping or splashing liquids.
- Never allow a naked flame on or near the equipment.
- This product is not a toy. Do not let young children play with the equipment.



Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

NYRIUS® WARRANTY

Thank you for choosing NYRIUS® Consumer Electronics Products!

NYRIUS gives the following express warranty to the original consumer purchaser or gift recipient for this NYRIUS product, when shipped in its original container and sold or distributed by NYRIUS or by an Authorized NYRIUS Dealer: NYRIUS warrants that this product is free, under normal use and maintenance, from any defects in material and workmanship. If any such defects should be found in this product within the applicable warranty period, NYRIUS shall, at its option, repair or replace the product as specified herein. Replacement parts furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

This warranty shall not apply to:

- A. Any defects caused or repairs required as a result of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the owner's manual.
- B. Any NYRIUS product tampered with, modified, adjusted or repaired by any party other than NYRIUS or NYRIUS's Authorized Service Centres.
- C. Damage caused or repairs required as a result of the use with items not specified or approved by NYRIUS including but not limited to head cleaning tapes and chemical cleaning agents.
- D. Any replacement of accessories, glassware, consumable or peripheral items required through normal use of the product including but not limited to earphones, remote controls, AC adapters, batteries, stylus, trays, filters, cables, paper, cabinet, cabinet parts, knobs, buttons, baskets, stands and shelves.
- E. Any cosmetic damage to the surface or exterior that has been defaced or caused by normal wear and tear.
- F. Any damage caused by external or environmental conditions, including but not limited to transmission line/power line voltage or liquid spillage.
- G. Any product received without appropriate model, serial number and CSA /cUL /cULus /cETL /cETLus markings.
- H. Any products used for rental or commercial purposes.
- I. Any installation, setup and/or programming charges.

Should this NYRIUS product fail to operate during the warranty period, warranty service may be obtained upon delivery of the NYRIUS product together with proof of purchase and a copy of this LIMITED WARRANTY statement to an Authorized NYRIUS Service Centre. In-home warranty service may be provided at NYRIUS discretion on any NYRIUS television with the screen size of 40" or larger. This warranty constitutes the entire express warranty granted by NYRIUS and no other dealer, service centre or their agent or employee is authorized to extend, enlarge or transfer this warranty on behalf of NYRIUS. To the extent the law permits, NYRIUS disclaims any and all liability for direct or indirect damages or losses or for any incidental, special or consequential damages or loss of profits resulting from a defect in material or workmanship relating to the product, including damages for the loss of time or use of this NYRIUS product or the loss of information. The purchaser will be responsible for any removal, reinstallation, transportation and insurance costs incurred. Correction of defects, in the manner and period of time described herein, constitute complete fulfillment of all obligations and responsibilities of NYRIUS Electronics to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise.

1 YEAR PARTS & LABOUR WARRANTY PERIODS

TO OBTAIN THE NAME AND ADDRESS OF THE NEAREST AUTHORIZED NYRIUS SERVICE CENTRE OR FOR MORE INFORMATION ON THIS WARRANTY

- **Contact NYRIUS Support by Email: support@NYRIUS.com**
- Visit www.NYRIUS.com
- Mail your inquiry to:
NYRIUS Customer Service, 4080 Montrose Road, Niagara Falls, ON L2H 1J9
- Call toll free 1.866.946.7828

NYRIUS is a registered trade-mark of Circus World Displays
07.2012