



Quickstart Guide

WyreStorm Express™ HD Over Coax (50m/164ft)

EXP-EX-COAX-50



Before Installation

50m/1640ft @1080p video is the maximum recommended transmission distance for this model and denotes recommended transmission conditions - including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets. If any of the above is a factor in your installation, transmission range may be affected – take care to avoid where possible.

We strongly recommend using supplied mounting brackets to secure the receiver to a flat surface behind/near the display device. Sudden movement of these devices could lead to loss of picture/sound if connections become loose or strained, resulting in unnecessary service call-backs.

If unsure of positioning, IR sensors can be located on devices by shining a flashlight onto the fascia of the device - the IR sensor should be identifiable as a small round sensor behind the panel. Consult your device manufacturer handbook if difficulties are experienced.

Setup and Operation

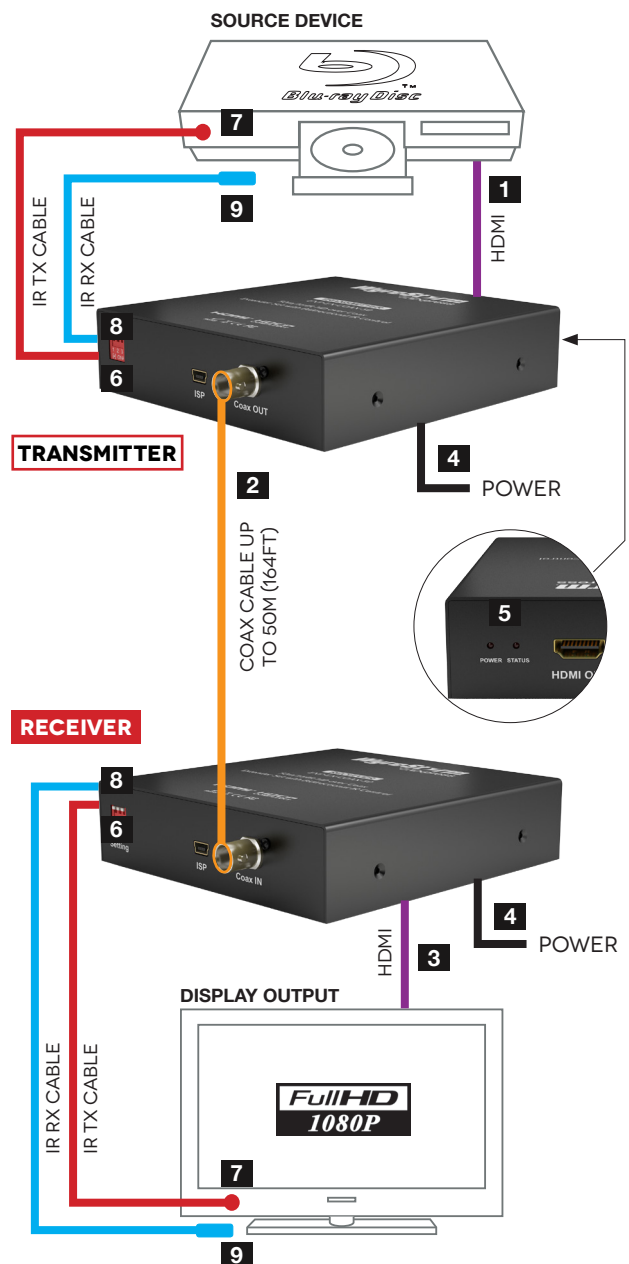
- 1 Using quality HDMI cables, connect an HDMI source (such as Blu-ray, satellite/cable TV) to the HDMI IN of the EXP-EX-COAX-50 transmitter.
- 2 Connect a good quality, well-terminated Coaxial cable of no more than 50m/164ft in length between the COAX OUT of the transmitter to the COAX IN Input of the receiver.
- 3 Connect the HDMI display device (LED/LCD display or projector) to the HDMI OUT of the EX-EXP-COAX-50 receiver.
- 4 Connect the included 5V power supply to both transmitter and receiver of the EX-EXP-COAX-50 and power on.
- 5 Check POWER & STATUS lights are illuminated and static on both units to indicate successful connection. No or intermittent light may indicate a connection issue.
NOTE: If daisy-chaining extenders, repeat process for all EX-EXP-COAX-50 transmitters and receivers used.

IR Control Connection

- 6 For two-way IR control of connected sources and displays from either location, first, connect IR emitters to the IR TX ports of the EX-EXP-COAX-50 transmitter and receiver.

- 7 Firmly attach the IR emitter directly over the infrared receiving sensors of the devices to be controlled (source at transmitter location, and display device at receiver location). Location of the emitter eye on the device may need to be adjusted later to achieve best IR performance.
- 8 Insert IR receiver into IR RX port of the EX-EXP-COAX-50 transmitter and receiver.
- 9 At both display and source locations, position the IR receiver on or near the device to be controlled, ensuring a clear line of sight to the remote handset used to control it.

Optional: For control system integration a WyreStorm IR Integration Cable (CAB-IR-LINK) should be used to connect the IR RX port of the EX-EXP-COAX-50 Transmitter and the control system.



Coaxial Cable Performance Guide											EXP-EX-COAX-50
0m	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	
0ft	32ft	65ft	98ft	131ft	164ft	197ft	230ft	262ft	295ft	328ft	

DIP Switch settings

Default factory settings are all three switches set to the **OFF/UP** position. Please ensure switch is set to this position on initial connection.

DO NOT HOTSWAP All changes to the EDID Dip switch should be made with power turned off at the mains and the 5V cables will take effect on re-boot. Follow this procedure each time EDID Dip switch settings are changed. **DO NOT** connect/disconnect when powered.

See full manual for complete DIP switch settings



Troubleshooting

The majority of installation difficulties can typically be attributed to communication problems between devices or when high bandwidth transmissions are attempted with insufficient cable/connections. Should you find yourself in such a situation, read through the following checklist of general issues and causes that should help you shoot your way out of trouble without seeking further assistance.

Coax:

■ Check your coax wall plate quality – ideally, connections should be hard-wired at the transmitter end and connected directly with the coax cable in the wall at the receiver end to ensure quality of connection.

NOTE: If your connecting cable is not long enough, use an interconnecting lead securely barrelled together with an F-connector.

■ Wall outlets are often used at the receiver end for ease of installation but be aware that any oxidation will impact on signal quality and effective transmission so re-termination may be required for a good signal transfer.

No or poor quality picture?

■ Connected and powered? Double check all HDMI, coax and 5V power connections are firmly inserted into correct ports and that all devices are powered.

■ Cable length – is your signal struggling to transmit the distance of your cable? If you are approaching the maximum capacity of your transmission cable distance, use in-line repeater to boost your signal or try changing to “long cable mode” (See EDID and Settings in full manual)

■ Signal strength – the use of cable joins, F-connectors, BNC, wall outlets and stranded coax as interconnects, can significantly reduce signal strength. Use good quality, solid core coax wherever possible.

■ If you reduce the resolution of the source, do you get a picture? If so, this suggests a conflicting resolution between source and display or a bandwidth capacity issue with your cable. Check all inputs and outputs share the same resolution and make sure the signal is being successfully transmitted the full length of your cable run.

■ Picture ‘snow’ / HD ‘noise’ – signifies a failure to fully establish a signal and can often be caused by poorly terminated or oxidised connectors, excessive cable lengths or bandwidth issues. Ensure your cable is correctly wired to industry standards. Try swapping in a display and receiver from a fully functioning location – if the problem continues on the same output, turn off all equipment and swap your signal carrying cables at both ends.

■ Cable quality and condition – HDMI cable/connectors can be easily damaged and the quality of material can vary, especially in lower price brackets. Always use good quality leads and cables and try swapping for those already working to see if this improves your image.

■ Blu-ray – make sure all your equipment has been configured and enabled to transmit and accept the signal. Are resolutions between source and display compatible and cable adequate for the large bandwidth required by Blu-ray transmissions?

■ 3D and Multichannel Audio - the chipset inside this product supports interlaced stereoscopic 3D (cable/sat broadcast) and PCM audio only. It **CANNOT** pass frame sequential 3D or bit stream multichannel audio. If your installation requires transmission of 3D Blu-Ray, or multichannel audio such as DTS Master, consider a WyreStorm Cat5 extender solution. See website for details.

IR Control

■ Are IR emitters and receivers correctly positioned to allow infrared signals to be transmitted and received through the extenders? Emitters should be fixed firmly over infrared sensors and sources. Transmitters should be attached to displays ensuring a clear line of sight to the remote control used to operate. You may need to reposition to achieve best results.

■ Is your remote control powered and sending a signal? As IR is invisible to the naked eye, check your remote is still transmitting a signal by viewing the remote handset sensor through a digital camera/camera phone - the sensor should flash when a button on the handset is held down.

■ IR signal dropout can be experienced due to exterior emissions of infrared radiation. Ensure emitters and receivers are away from direct sunlight, halogen lighting and plasma screens that may interfere with IR signals.

Safety Recommendations:

■ Do not expose this apparatus to any form of moisture, including the placement of anything containing liquids on the unit.

■ To prevent risk of electric shock or fire hazard, ensure apparatus is installed in an unobstructed, well ventilated area away from any external heat sources - including other electrical devices which may produce heat.

■ Only use attachments / accessories specified by the manufacturer and refer all servicing to qualified service personnel.

■ Failure to adhere to these recommendations may invalidate your warranty.

Warranty Information



This product is covered by a 1 year limited parts and labour warranty. During this period there will be no charge for unit repair, component replacement or complete product replacement in the event of malfunction. The decision to repair or replace will be made by the manufacturer.

This limited warranty only covers defects in materials or workmanship and excludes normal wear and tear or cosmetic damage.

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