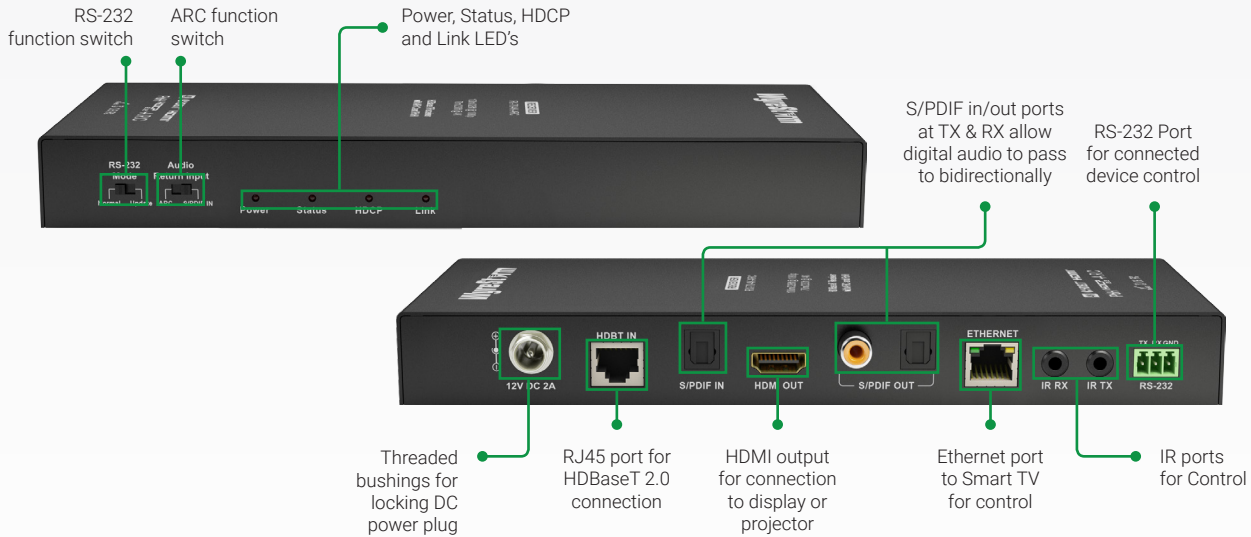


# HDBaseT™ 4K UHD Receiver, featuring audio de-embed and ARC/Optical audio return (4K: 70m/230ft | 1080p: 100m/328ft)

**RX-70-4K-ARC**

# WyreStorm®

## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

Free the audio from a SmartTV's on-demand content with the RX-70-4K-ARC HDBaseT™ receiver supporting ARC or optical audio return to enable digital audio to be sent back to a compatible WyreStorm HDBaseT™ transmission device, such as an H2 model matrix switcher.

## Key Features

- Class A HDBaseT™ 4K Receiver capable of receiving HDMI transmissions over a single cable Cat5e/6 cable with support for ARC or optical audio return
- - 70m/230ft: 4K@60Hz 24bit with chroma subsampling color palette 4:2:0
- - 100m/328ft: 1920x1080p HD video@60Hz / 48bit Deep Color
- HDBaseT™ feature set supporting the distribution of 4K and HD video, multichannel HD audio, bidirectional IR and RS-232, PoH remote power and Ethernet passthrough
- Supports all high definition resolutions: 4K (UHD & DCI), 1080p, 1080i, 720p with screen refresh rate support of 24Hz, 30Hz (4K) 50Hz, 60Hz (1080p), 4K@60Hz YUV4:2:0
- HDCP 2.2 compliant
- Audio Return Channel and optical audio return support
- TOSLINK input allows for support of TV models without ARC-over-HDMI functionality
- Includes audio out for source audio de-embed
- Full 3D compatibility up to 1080p - frame packing/ sequential (Blu-Ray) and interlaced stereoscopic (satellite/ cable broadcasts)
- Multichannel audio supports 7.1 DTS Master HD and Dolby True HD
- PoH (Power-over-HDBaseT™) enables the receiver to be remotely powered from the a compatible transmission device for flexible installation options
- Transmits discrete wide-band bidirectional IR control and serial commands together within the HDMI signal over a single Cat5e/6
- Switchable RS-232 port for control or firmware update
- Threaded bushing allow use of both standard and locking DC power plugs
- Visual LED indication for power supply to units, HDBaseT™ signal transmission and reception status and HDCP presence in signal
- Cable termination follows IEEE-568B standards
- Automatically adjusts feedback, equalization and amplification of signal for easy installation
- Energy efficient universal power supply included
- Mounting brackets included
- Preliminary features - may be subject to change

## In the Box

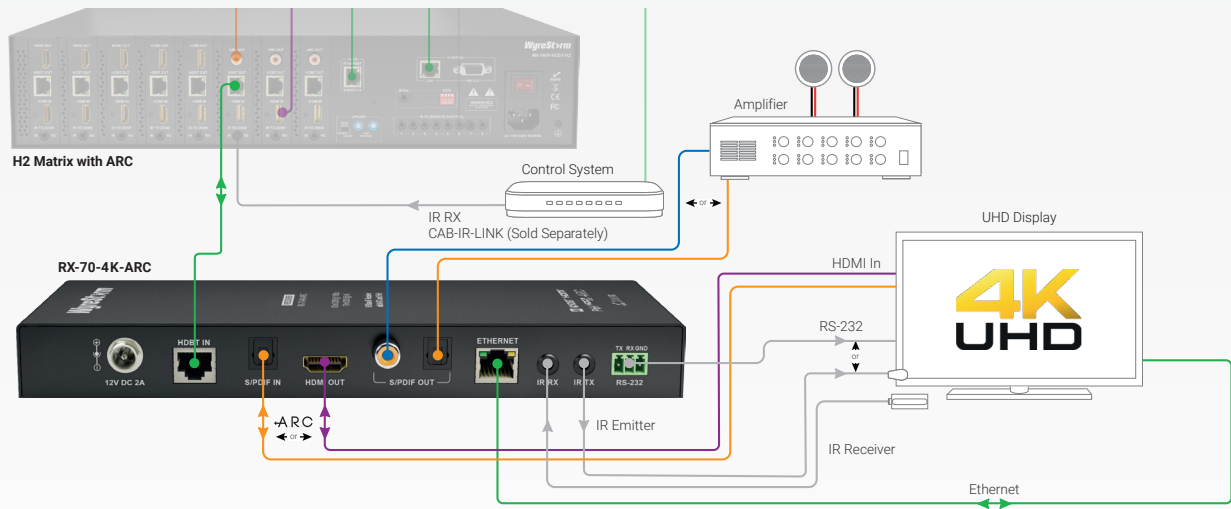
1x RX-70-4K-ARC v2 Receiver  
1x IR Emitter  
1x Wide-band IR Receiver (30-50KHz)

2x Mounting Brackets  
1x 3-pin Phoenix Connector  
1x Quickstart Guide (this document)

# Specifications

<b>Audio and Video</b>	
<b>Inputs</b>	1x HDBaseT 8-pin RJ-45 female
<b>Outputs</b>	1x HDMI 19-pin type A
<b>Audio Formats</b>	HDMI: 2ch and Up to DTS-X and Dolby Atmos RX S/PDIF IN: 2ch PCM   Up to DTS digital and Dolby digital
<b>Video Resolutions (Max)</b>	<b>HDMI</b> 1920x1080p @60Hz 48bit (15m/50ft) 3840x2160p @24/25/30Hz 4:4:4 24bit (7m/23ft) 3840x2160p @24Hz 4:2:0 HDR 30bit (3m/9.8ft) 4096x2160p @60Hz 24bit 4:2:0 (7m/23ft) <b>Using Cat6</b> 1920x1080p @24/25/30/60Hz 36bit (100m/328ft) 3840x2160p @24/25/30Hz 4:4:4 24bit (70m/230ft) 3840x2160p @24Hz 4:2:0 HDR 30bit (35m/115ft) 4096x2160p @60Hz 4:2:0 24bit (70m/230ft) <b>Using Cat6a/7</b> 1920x1080p @24/25/30/60Hz 48bit (100m/328ft) 3840x2160p @24/25/30Hz 4:4:4 24bit (100m/230ft) 3840x2160p @24Hz 4:2:0 HDR 30bit (35m/115ft) 4096x2160p @60Hz 4:2:0 24bit (100m/230ft)
<b>Color Depth</b>	1080p: 48bit   4K UHD: 24bit   HDR @24p: 30bit BT.2020
<b>Maximum Pixel Clock</b>	297MHz
<b>Communication and Control</b>	
<b>HDMI</b>	HDCP 2.2   EDID   DVI/D supported with adapter (not included)
<b>HDBaseT</b>	HDCP 2.2   EDID   PoH (2-way)   Bidirectional IR, RS-232, and Ethernet
<b>Ethernet</b>	1x 8-pin RJ-45 female   10/100 Mbps auto-negotiating   Bidirectional over HDBaseT
<b>IR</b>	1x IR TX 3.5mm (1/8in) Mono   Bidirectional over HDBaseT 1x IR RX 3.5mm (1/8in) Stereo   Bidirectional over HDBaseT
<b>RS-232</b>	1x 3-pin Phoenix Connector   Bidirectional over HDBaseT
<b>Audio Return Channel (ARC)</b>	Returns audio to source location (from remote display via HDBaseT)
<b>Power</b>	
<b>Power Supply</b>	Input: 100~240V AC 50/60Hz   Output: 12V DC 2A
<b>PoH (2-way)</b>	48V
<b>Max Power Consumption</b>	7.2W
<b>Environmental</b>	
<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing
<b>Maximum BTU</b>	60 BTU/hr
<b>Dimensions and Weight</b>	
<b>Rack Units</b>	<1U
<b>Height</b>	24.9mm/0.99in
<b>Width</b>	220mm/8.67in
<b>Depth</b>	89.9mm/3.54in
<b>Weight</b>	0.58kg/1.28lbs
<b>Regulatory</b>	
<b>Safety and Emission</b>	CE   FCC   RoHS

Right Product for the Right Application.



Key ● HDMI/Digital Video ● HDBaseT/Ethernet ● Digital Audio ● Analog Audio ● IR