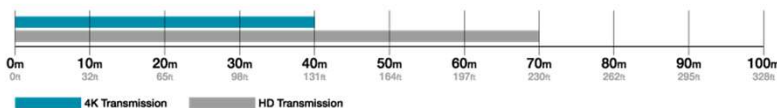


Quick Start Guide

Thank you for purchasing this Netvio product. The quick-start-guide is designed to provide all required information to install your product successfully, ensuring correct installation standards, therefore guaranteeing performance in accordance with published features and specifications. Netvio therefore greatly appreciates your time in reviewing the provided information and following our recommended guidelines.

EX-HT2-403-10

4K/60 HDR HDBaseT Extender over single category cable. Capable of sending the latest bandwidth heavy sources over 40m with ability to send digital ARC back to transmitter device



Cable & Connector Guidelines

- Advertised cable distances are there for a guidance. Many factors can effect transmission distances including cable construction, quality, install standards, patch panels, faceplates and external factors such as electrical magnetic interference (EMI).
- This product is designed to run over unshielded twisted pair Cat5e/6/7 cable. Some consideration is required when installing shielded (STP) category cable ensuring all drain wires and shielding materials are correctly grounded.
- All RJ45 terminations should follow EIA/TIA-568-B terminations and not simply wired Pin 1-1, Pin 2-2. The 568-B standard involves the splitting of the green pair to pins 3 & 6.
- Maintain twists within the Cat5e/Cat6/Cat7 cores up to the point of termination.
- Maintain gradual bends when installing category cable, ensuring a minimum radius of 25mm where possible. Avoid sharp bends or twists in the cable avoiding taught or stretched cable at all times.
- When dressing the cable use moderate to low pressure, avoiding pinching of the cable jacket.
- Do not splice, join or bridge the cable at anytime, as this will undoubtedly cause transmission issues.
- Use moderate to low pressure when pulling category cable avoiding pressures in excess of 25 lbs (of force).
- Keep category cable away from sources of EMI (electrical cables, transformers, light fixtures) ensuring a minimum parallel distance of 300mm, crossing at right angles if absolutely necessary.
- Ensure cable is correctly tested, understanding that a basic continuity check may not be sufficient to identify issues or to certify cable performance.
- Always check local regulations relating to building and fire codes.

BOX CONTENTS

- Netvio HDBaseT TX & RX Device.
- 2x Wall mount brackets
- 2x Infrared receiver (capture) cables
- 2x Infrared emitter (sender) cables
- 2x 3-way screw termination connectors
- 1x Compatible plug-in PSU

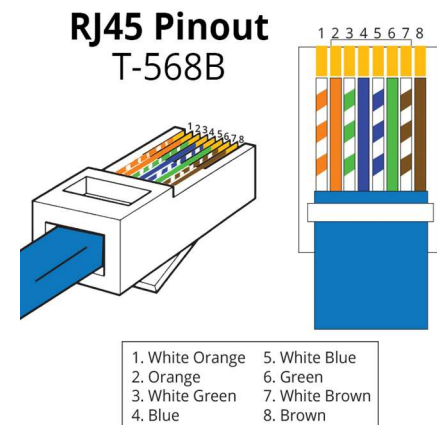
WARRANTY INFORMATION

- 2-Year standard parts & labour warranty
- FREE 3-Year warranty subject to product registration.
- 5-Year & 10-Year extended warranty options available.
- Full warranty details including coverage, registration & warranty extensions available at www.netvio.co.uk

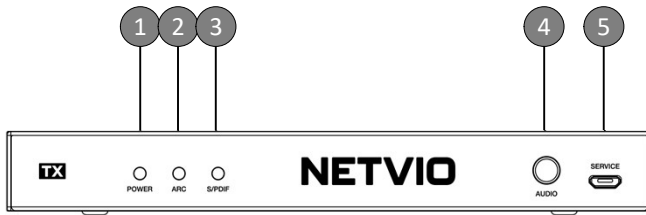
PRODUCT SUPPORT

Please contact your authorised Netvio reseller.

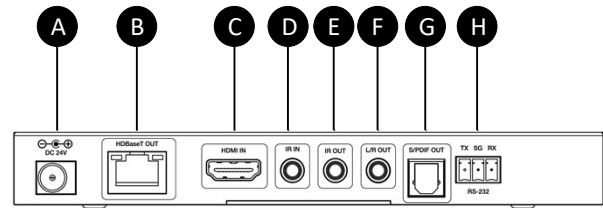
- UK/EMEA Support | +44 (0) 870 488 7001
- US Support | +833 720 0637
- Email | support@netvio.co.uk
- Live Chat | www.netvio.co.uk



Transmitter Overview

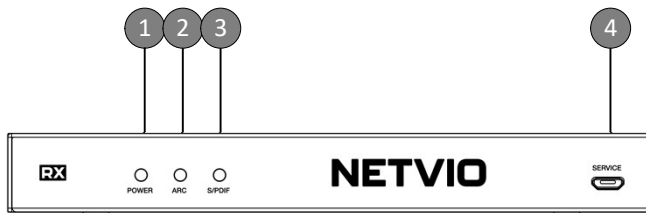


1	Power Status LED
2	ARC Status LED (Active when on)
3	S/PDIF Status LED (Active when on)
4	Audio Toggle Selector switch (press & hold)
5	Firmware update port

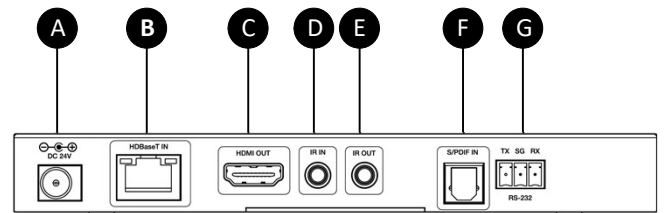


A	DC 24V Power Input
B	HDBaseT Output (from source)
C	HDMI (Source) Input
D	IR Capture Port
E	IR Sender Port
F	Stereo Audio Output
G	S/PDIF Output
H	RS-232 Pass Through

Receiver Overview



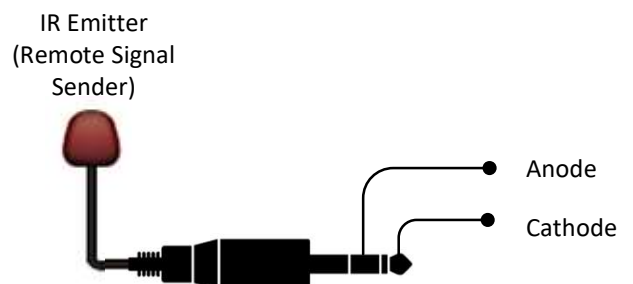
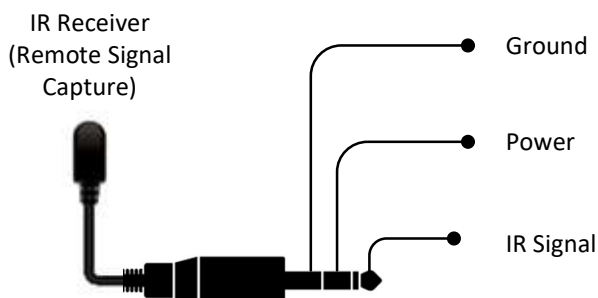
1	Power Status LED
2	ARC Status LED (Active when on)
3	S/PDIF Status LED (Active when on)
4	Firmware update port
A	DC 24V Power Input
B	HDBaseT Input (to display)



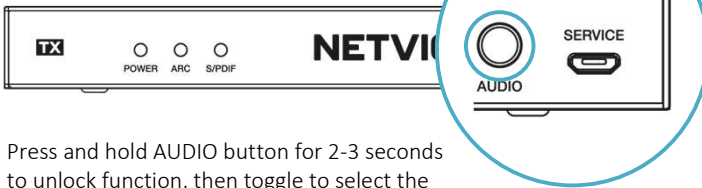
A	DC 24V Power Input
B	HDBaseT Input (to display)
C	HDMI (Display) Output – ARC Compatible Port
D	IR Capture Port
E	IR Sender Port
F	S/PDIF Input (from Display)
G	RS-232 Pass Through

IR Pin Outs

Each Netvio extender kit comes complete with all required accessories to fully maximise product features and functionality. We recommend the use of Netvio approved IR accessories to ensure guaranteed performance and compatibility. In perfect conditions, IR performance is rated at 8m from display to remote control, but understanding this will vary in differing light conditions. It may be necessary to adjust both the capture, sender device positions to achieve best performance, ensuring that remote batteries are in good condition. Should IR ports require connections to a 3rd party device, the following wiring diagrams are provided to ensure successful signal transfer.



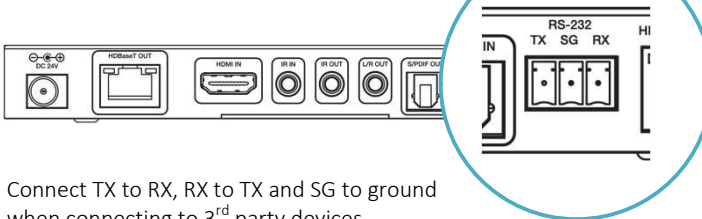
ARC



Press and hold AUDIO button for 2-3 seconds to unlock function, then toggle to select the require audio source from transmitter device.

ARC LED	S/PDIF LED	MODE
On	Off	Audio from Display HDMI ARC
Off	On	Audio from Display S/PDIF
Off	Off	Audio de-embedded from TX

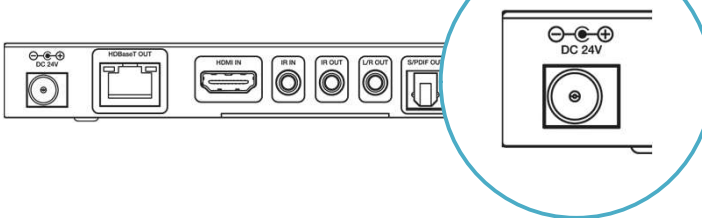
RS-232



Connect TX to RX, RX to TX and SG to ground when connecting to 3rd party devices.

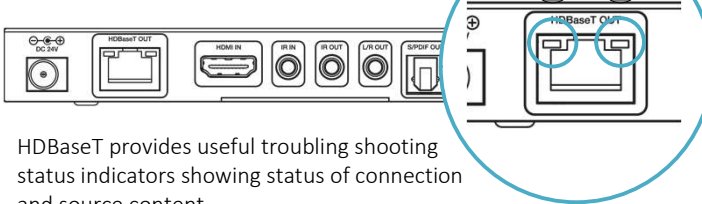
Secure hardwired bi-directional serial control between source and display. Extender kit comes complete with 3-Pin screw type connectors for ease of install.

PoC24



Ability to connect a single PSU to either transmitter or receiver adding extra convenience to your install. 24V PoC is standardised accross all Netvio HDBaseT products.

HDBT™



HDBaseT provides useful troubleshooting status indicators showing status of connection and source content.

1	2
Solid Good Connection	Solid HDMI with HDCP
Flashing Poor Connection	Flashing HDMI no HDCP
Dark No Connection	Dark No Connection

Basic Specifications

Encoding Data Rates	HDMI 17.82 Gbp HDBaseT 10.2Gbps Visually lossless compression > 10.Gbs
Video Resolutions (Max)	3840x2160 60fps HDR over 40m Cat5e/6/7 cable (1080P @ 70M)
Max Pixel Clock	600MHz
HDR	HDR10, HDR10+, Hybrid Log-Gamma, Dolby Vision
HDCP	Inclusive up to 2.2
EDID	Automatic HDMI sink from RX to TX
Audio Formats	LPCM 2ch, LPCM 5.1, LPCM 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS Master, Dolby Atmos, DTS:X.
CEC	Pass-thru subject to source and display compatibility
Storage	-20°C / +60°C 20% - 90% RH
Operating	0°C / 40°C 20% - 90% RH
Power	2-Way, Bi-Directional 24v PoC power over HDBaseT. 1x PSU at either TX or RX
Weight Dimensions	170g H: 20mm W: 165mm D: 89mm
Regulations	CE UKCA FCC RoHS
Warranty	2-Yr Standard, 3-Yr with registration, 5-Yr & 10-Yr extended warranty available.



Cost effective 5-yr (for 5%) and 10-yr (for 10%) extended warranties available at www.netvio.co.uk/safeguard



Please dispose and recycle responsibly in accordance with local laws and regulations



Attempts to remove product casings could result in electrical shock. Please do not attempt to repair the device. In the event of product service requirements, please contact Netvio Ltd or an authorised reseller for service procedures. Any unauthorised attempt to repair the product or attempts to replace components with non-approved parts will invalidate the product warranty. For full warranty conditions, please visit www.netvio.co.uk

NETVIO

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