

# TECHCONNECT TC2-HDMIP

## OWNERS MANUAL




[www.visionaudiovisual.com/techconnect/tc2-hdmip](http://www.visionaudiovisual.com/techconnect/tc2-hdmip)

## DECLARATION OF CONFORMITY


Where applicable Vision products are certified and comply with all known local regulations to a 'CB Certification' standard. Vision commits to ensure all products are fully compliant with all applicable certification standards for sale in the EU and other participating countries.

The product described in this owner manual is in compliance with RoHS (EU directive 2002/95/EC), and WEEE (EU directive 2002/96/EC) standards. This product should be returned to the place of purchase at the end of its useful life for recycling.


## WARNINGS




**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

All products are designed and imported into the EU by 'Vision' who is wholly owned by 'Azlan Logistics Ltd.', Registered in England Nr. 04625566 at Lion House, 4 Pioneer Business Park, Clifton Moor, York, YO30 4GH. WEEE Registration: GD0046SY



## DECLARATION OF ORIGIN

All Vision products are made in the People's Republic of China (PRC).

## **USE ONLY DOMESTIC AC OUTLETS**

Connecting the unit to an outlet supplying a higher voltage may create a fire hazard.

## **HANDLE THE POWER CORD WITH CARE**

Do not disconnect the plug from the AC outlet by pulling the cord; always pull the plug itself. Pulling the cord may damage it. If you do not intend to use your unit for any considerable length of time, unplug the unit. Do not place furniture or other heavy objects on the cord, and try to avoid dropping heavy objects on it. Do not tie a knot in the power cord. Not only could the cord be damaged, but a short circuit could also be caused with a consequent fire hazard.

## **PLACE OF INSTALLATION**

Avoid installing this product under the following conditions:

- Moist or humid places
- Places exposed to direct sunlight or close to heating equipment
- Extremely cold locations
- Places subject to excessive vibration or dust
- Poorly ventilated places

Do not expose this product to dripping or splashing. **DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS PRODUCT!**

## **MOVING THE UNIT**

Before moving the unit, be sure to pull out the power cord from the AC outlet and disconnect the interconnection cords with other units.

## **WARNING SIGNS**

If you detect an abnormal smell or smoke, turn this product off immediately and unplug the power cord. Contact your reseller or Vision.

## **PACKAGING**

Save all packing material. It is essential for shipping in the event the unit ever needs repair.

**IF ORIGINAL PACKAGING IS NOT USED TO RETURN THE UNIT TO THE SERVICE CENTRE, DAMAGE IN TRANSIT WILL NOT BE COVERED BY WARRANTY.**

## **TRADEMARK**

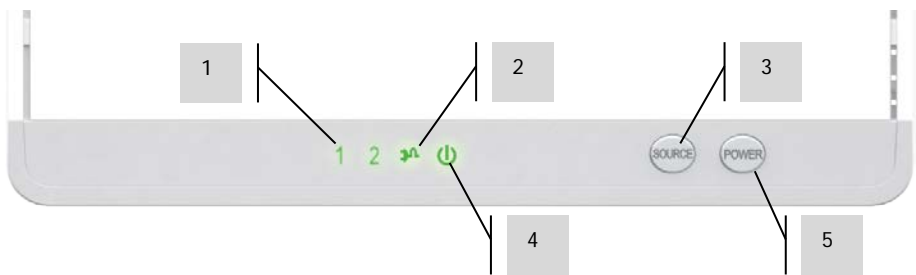
HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks of HDMI Licensing LLC.

## INTRODUCTION

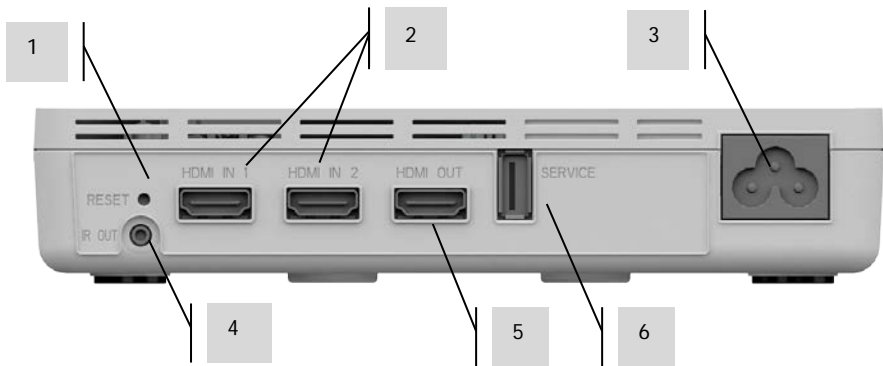
This product transmits 1080p (30 Hz) video and audio content around a building using the power cables already in place. It uses “Powerline” or “Homeplug” technology with a modified Quality of Service (QoS) to avoid drop-outs.

## TRANSMITTER (“Tx”)

1. Source LEDs (lit solid green to show active input)
2. Link LED (Solid green = paired / flashing green = establishing connection or unable to connect)
3. Source Select button
4. Power LED (Solid green = on / solid red = off)
5. Power button



1. Reset Button (hold down to do factory reset back to default settings)
2. HDMI Inputs (Type A)
3. Power Input (C5 “Cloverleaf”)
4. IR OUT plug IR blaster cable in here
5. HDMI loop-through Output (type A) (source select affects this output. Only active when Tx powered on)
6. Service (USB-A) (plug USB stick in here to update firmware if instructed)

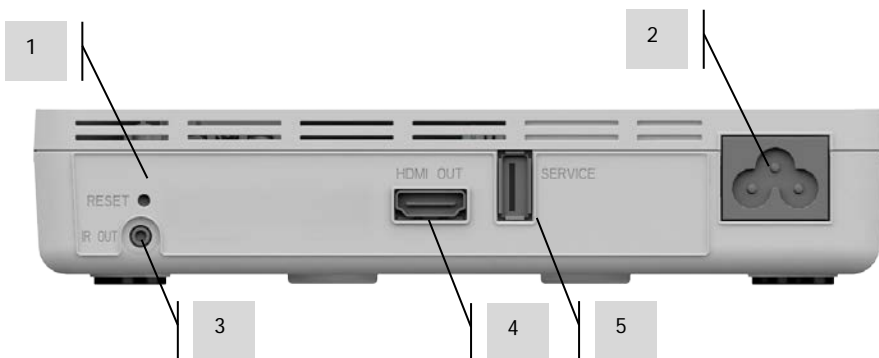


## RECEIVER ("Rx")

1. Source LEDs (lit solid green to show active input)
2. Link LED (Solid green = paired / flashing green = establishing connection or unable to connect)
3. Source Select button
4. Power LED (Solid green = on / solid red = off)
5. Power button



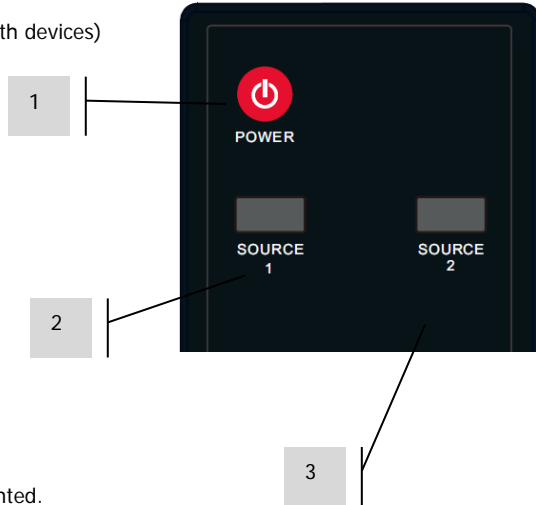
1. Reset Button (hold down to do factory reset back to default settings)
2. Power Input (C5 "Cloverleaf")
3. IR OUT plug IR receiver cable in here (only needed if receiver hidden out of sight)
4. HDMI output (type A)
5. Service (USB-A) (plug USB stick in here to update firmware if instructed)



## REMOTE CONTROL

1. Power Button (activates both devices)
2. Source 1 Selection
3. Source 2 Selection

NOTE: remote can be pointed at Tx or Rx to switch inputs.

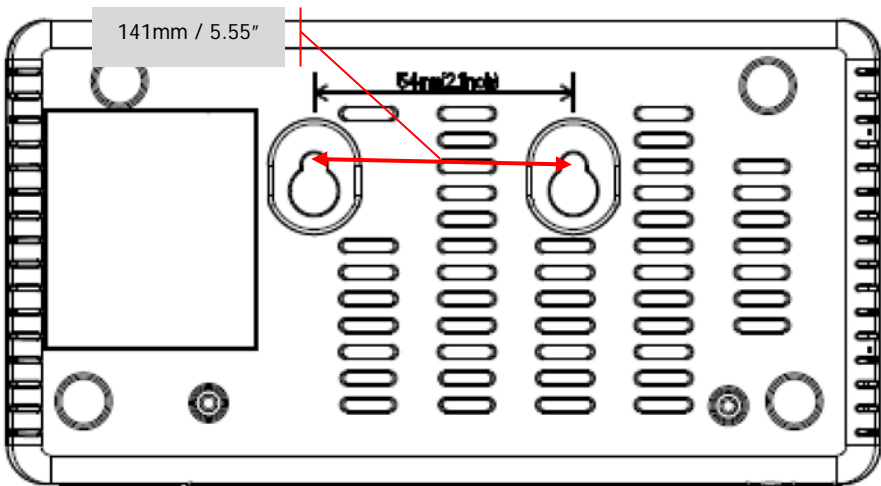


## WALL MOUNTING

The Tx and Rx can be wall mounted.

### DRY WALL INSTRUCTIONS:

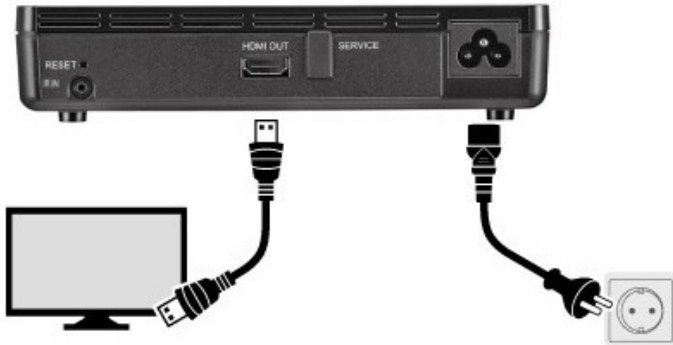
1. DRILL 2 X HOLES IN WALL
2. INSERT PLASTIC RAWL PLUGS INTO HOLES
3. INSERT SCREWS INTO PLUGS. LEAVE HEADS PROTRUDING
4. HOOK INTO PLACE



## INSTALLATION

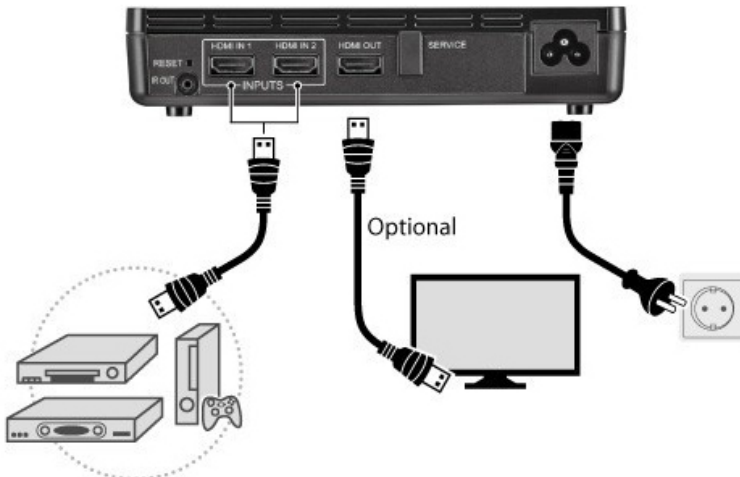
### Connecting Rx

1. CONNECT TO DISPLAY with included HDMI cable
2. TURN DISPLAY ON and select correct input
3. PLUG IN TO POWER power light goes green



### Connecting Tx

1. CONNECT INPUTS from source devices
2. [OPTIONAL] CONNECT OUTPUT to local display if there is one
3. PLUG IN TO POWER power light goes green

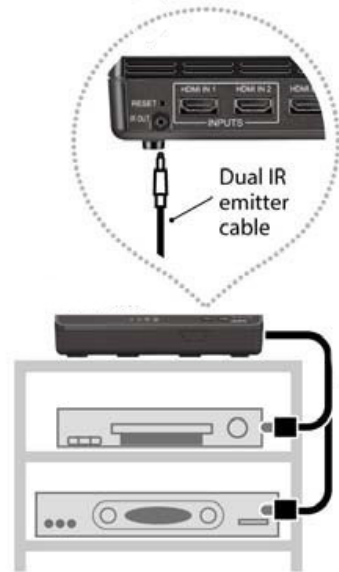


When the Tx is powered on the Rx will automatically come out of standby. If the transmitter is powered off the receiver will switch to Standby after 10 minutes automatically.

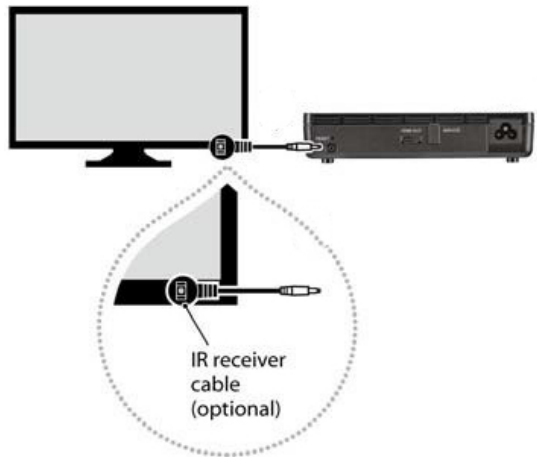
## Connecting IR Blasters

It is possible to point your source remote control at the Rx, and it will relay the IR signal back to the source/s wirelessly.

1. **CONNECT IR EMITTER TO TX** Correct cable has 2 x IR emitter diodes inline to control two source devices. Position them directly over the IR receivers on the source equipment.



2. **[OPTIONAL] CONNECT IR RECEIVER TO RX** Correct cable has 1 x IR receiver diode. If receiver will be hidden out of sight use the IR receiver cable. Place near display so it can capture commands from source remote controls/s.



NOTE 1: when receiver cable is plugged in receiver on rx chassis is disabled

NOTE 2: The IR sensors support 36~56kHz signal protocol. Some devices may not be supported.



## **OPERATION**

1. **CHECK REMOTE CONTROL** Ensure the 2 x AAA batteries are loaded into the remote control.
2. **TURN POWER ON** When mains power is turned on the Tx and Rx will automatically turn on.
  - They can be powered on in any order
  - If both in standby both need to be turned on manually
3. **TURN POWER OFF**
  - Pressing Rx or Remote control power button turns Rx off, but leaves Tx on so that the pass-through on Tx continues to work.

As soon as they are both on the green link light will flash for 15-20 seconds while the link is established, then it will stay on.

## **NOT WORKING?**

If you don't have an image ensure:

1. The correct input is selected on your display device. Even when there is no link an on screen display will be output from the receiver.
2. The computer is set to duplicate or extend the desktop (Control Panel\Appearance and Personalisation\Display\Screen Resolution)
3. Change source on Tx

## TROUBLESHOOTING

If your system is not operating properly, please refer to the following information.

Problem	Correction
Power indicator LED doesn't light up	<ul style="list-style-type: none"><li>• Check power plugs are properly inserted</li><li>• Check another device in the same power outlet to check that the power outlet is working</li></ul>
No video output	<ul style="list-style-type: none"><li>• Check cables connecting Rx to display. Test with other cables.</li><li>• Check correct input is select on display</li><li>• Check POWER LED and SOURCE LED indicator on Rx:<ul style="list-style-type: none"><li>○ Ensure video resolution and frame rate is supported. Temporarily reduce resolution on source to see if this helps.</li><li>○ Connect source device directly to display to check and modify video format compatibility.</li></ul></li></ul>
Poor or intermittent image	<ul style="list-style-type: none"><li>• Check resolution of source. It should be 1080p, 1080i, 720p, 576p, or 480p. <b>3D is not supported.</b></li></ul>
No audio or intermittent audio	<ul style="list-style-type: none"><li>• Check audio system or display has correct input selected and is not muted.</li><li>• Check volume on source device</li><li>• Re-connect HDMI cable to display.</li><li>• Disconnecting power cables from Tx and Rx for 5 seconds then re-connect</li></ul>
IR Blaster not controlling source	<ul style="list-style-type: none"><li>• Check location of IR emitter. It should be line-of-sight of receiver on source device.</li></ul>

## **SPECIFICATIONS**

**PRODUCT DIMENSIONS:** 182 x 97 x 32 mm / 7.2" x 3.8" x 1.3" (width x depth x height of chassis)

**PRODUCT WEIGHT:** 500 g (set)

**CONSTRUCTION MATERIAL:** Plastic

**COLOUR:** White

### **TECHNICAL DETAILS:**

Maximum Video Format Supported: 1920×1200 / 1080P @ 30 Hz

Video: HDMI 1.3 with HDCP (no 3d)

Latency: 30 milliseconds

Audio: Up to 3 Mbps, PCM

Operating Temperature Range: 0-40°C

Operating Humidity Range: < 80 % RH (no condensation)

Power Consumption: tbc watts

Maximum distance: 200m

### **TRANSMITTER CONNECTIVITY:**

2 x HDMI (type A) inputs

1 x HDMI (type A) output

1 x IR OUT Minijack

1 x AC Power (C5 Coverleaf/Mickey Mouse)

### **RECEIVER CONNECTIVITY:**

1 x HDMI (type A) output

1 x IR IN Minijack

1 x AC Power (C5 Coverleaf/Mickey Mouse)

### **ACCESSORIES INCLUDED:**

2 x Euro C5 Coverleaf Power cable 1.2 m (black)

2 x UK C5 Coverleaf Power cable 1.2 m (black)

2 x AU C5 Coverleaf Power cable 1.2 m (black)

1 x Remote Control with 2 x AAA batteries included (black)

1 x IR Emitter cable 2 m – two diodes (black)

1 x IR Receiver cable 2 m – one diode (black)

2 x HDMI Cable 1.5 m (black)

**POWER SUPPLY:** 230V Internal Power Supply

**WARRANTY:** 2-year return to base

**COMPLIANCES:** RoHS, WEEE, CE/EMC

**ORDER PART CODE:** TC2-HDMIP [SAP: 3252477]

## **WARRANTY**

This product comes with a 2-year return to base warranty, effective from the date of purchase. This warranty applies only to the original purchaser and is not transferable. For the avoidance of doubt, this will be taken from the information held by the appointed national distributor at the point of sale. If the product is DOA (dead on arrival), you have 21 days from purchase date to notify the national distributor via your AV reseller. The liability of the manufacturer and its appointed service company is limited to the cost of repair and/or replacement of the faulty unit under warranty, except for death or injury (EU85/374/EEC). This warranty protects you against the following:

- Failure of any components, including the power supply.
- Damage when the product is first removed from its packaging if reported within 24 hours of purchase.

If you find you do have a problem with this product, you should contact the AV reseller you purchased this product from. The original purchaser is responsible for shipment of the product to the manufacturer's appointed service centre for repair.

We will endeavour to return repaired units within 5 working days, however this may not always be possible, in which case it will be returned as soon as practicably possible. In line with our WEEE commitments, the manufacturer endeavours to replace the faulty parts of the product rather than replacing the whole unit. This warranty does not protect this product against faults caused by abuse, misuse, incorrect installation, unstable or faulty power input, which might be caused by ignoring the guidelines set out in this manual.

*LEGAL DISCLAIMER: Because we are committed to improving our products, the details above may change without prior warning. This User Manual is published without warranty and any improvements or changes to the User Manual necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment, may be made at any time and without notice. Such changes will be incorporated into new editions of the User Manual.*