Dear customer…

Thank you for purchasing this product which has been designed to give you many years of trouble-free service.

You may already be familiar with using similar product, but do please take time to read these instructions – they are written to ensure you get the very best from your purchase.

Safety is Important

To ensure your safety and the safety of others, please read the safety instructions before you operate this product.
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Safety Instructions

WARNING! Ensure that you read all of the safety instructions before using your PRO-9010 CAT5 extender.

Power Source

- This CAT5 video extender requires 2 x 12V DC @ 500mA power supplies, these have been provided. Please do not use any other supply.

Safety Considerations

- Position the power cable and other connected cables so they are not likely to be walked on, pinched or where items can be placed on them.

- Do not use the extender in humid or damp conditions. Do not allow the extender to get wet, i.e. dripping or splashing. Do not place water filled items, such as a vase, on top of the extender.

- Do not place naked flame sources, such as candles on top of the extender.

Ventilation

- Do not place or position the extender close to other equipment that may get hot, as this may cause the extender to overheat. Providing good ventilation will prolong the life of you product.

Servicing

- There are no serviceable parts in your extender, when servicing refer to qualified service personnel.

- Consult your dealer if you are ever in doubt about the installation, operation, or safety of your extender.
Parts and Controls

**PRO-9701 CAT5 Receiver**

Front View

- **Line In**
- **PRO-9701 CAT5 Receiver**
- **Video Adjustment**
  - **Phase**
  - **Gain**
- **Phase Adjust**
- **Video Gain**

Rear View

- **Screen 1**
- **Screen 2**
- **Audio 1**
- **Audio 2**
- **12v DC**

**PRO-9702 CAT5 Transmitter**

Front View

- **Line Out**
- **PRO-9702 CAT5 Transmitter**
- **CAT5 Line Input**

Rear View

- **Screen Input**
- **Local Video**
- **Audio IN**
- **Audio OUT**
- **12v DC**
Installation

**Before you start**
Before you begin installing the PRO-9010 extenders, it is important to test your cable with an industry standard CAT5 cable tester. This will ensure there are no crossed pairs and that all eight wires are properly terminated. In the event of pairs being crossed and or damaged, unreparable damage can be caused to both the transmitter and receiver. It is also a good idea to make sure the media player is compatible with the remote screen. These should be connected locally before transmitting the signal over CAT5 cable.

**Locating and Connecting the PRO-7902 Transmitter**
To ensure the best quality video, it is important that the transmitter is located as close to the media device as possible. A cable of no more than 1.8m in length is recommended. It is also recommended that a good quality coax cable be used for this connection. This will help maintain the video signal when broadcasting over long lengths of twisted pair cable. The PRO-9702 has two LED’s located above the RJ45 socket. The Green LED indicates power and the Amber LED indicates video present. Once powered and connected to your video source both LED’s will illuminate. The amber LED illuminates when both H & V syncs have been detected. For this reason the LED will not illuminate if Component, RGB or composite video is being transmitted. Audio can be connected to the transmitter via the 3.5mm stereo jack socket. This is a line level input and therefore care should be taken not to connect directly to the speaker outputs of your amplifier. Local signal outputs are provided on the transmitter, should you wish to have a local screen and speakers. Power can now be applied using the power cube supplied.

**Locating and connecting the PRO-9701 Receiver**
The PRO-9701 receiver is a powered device and therefore should be installed were air can freely flow around it’s enclosure. Once located the video and audio cables can be connected to the display. These cables should be of equal quality to those used at the transmitting end. Connect the CAT5 patch cable and apply power with the power cube supplied. When connected the green and orange LED’s will illuminate. The video quality will initially look out of focus and soft. This can be corrected by adjusting the two rotary switches on the front of the receiver. Factory settings for this product are set for 0m of cable (switch position 0). You will need to adjust the video gain and phase to optimize the video levels.
Connectors and Pin Connections

<table>
<thead>
<tr>
<th>RJ45 Pin Connections</th>
<th>HD15 Pin Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pin Colour</strong></td>
<td><strong>Pin Signal</strong></td>
</tr>
<tr>
<td>1 White/Orange</td>
<td>1 (red), Component = (Cr), S-Video = (Y)</td>
</tr>
<tr>
<td>2 Orange/White</td>
<td>2 (green), Component = (Y), S-Video = (C), Composite Video</td>
</tr>
<tr>
<td>3 White/Green</td>
<td>3 (blue), Component = (Cb),</td>
</tr>
<tr>
<td>4 Blue/White</td>
<td>4 N/C</td>
</tr>
<tr>
<td>5 White/Blue</td>
<td>5 N/C</td>
</tr>
<tr>
<td>6 Green/White</td>
<td>6 Red Ground</td>
</tr>
<tr>
<td>7 White/Brown</td>
<td>7 Green Ground</td>
</tr>
<tr>
<td>8 Brown/White</td>
<td>8 Blue Ground</td>
</tr>
</tbody>
</table>

Troubleshooting

*The transmitter or receiver will not power up:*
- Ensure both power supplies are connected to the mains and switched on.
- Check that there is 12 volts on the 2.5mm jack plug.

*Video is missing or has distorted colour:*
- Adjust the phase and gain on the receiver.
- Check and test the CAT5 cable for possible cross wires or open circuit.
- Check that the right colour inputs are wired to the input cable. *See above.*

*No audio at the receiving end:*
- Check volume at source.
- Ensure 3.5mm plug is fully inserted.
- Make sure the CAT5 cable length has not been exceeded. *See table below.*

*No video or audio at receiving end:*
- Check that the display and speakers are compatible with the source device.

Operating cable distances

<table>
<thead>
<tr>
<th>CAT5 Cable Length</th>
<th>Maximum Recommended Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>200m</td>
<td>1600 x 1200</td>
</tr>
<tr>
<td>250m</td>
<td>1280 x 1024</td>
</tr>
<tr>
<td>300m</td>
<td>1024 x 768</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Audio</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video</strong></td>
<td><strong>Audio</strong></td>
</tr>
<tr>
<td>Bandwidth</td>
<td>300MHz</td>
</tr>
<tr>
<td>Signal Level</td>
<td>1V p-p</td>
</tr>
<tr>
<td>Impedance</td>
<td>75 Ohm</td>
</tr>
<tr>
<td>Video Input Connector</td>
<td>HD15 Pin Socket</td>
</tr>
<tr>
<td>Video Output Connector</td>
<td>HD15 Pin Socket</td>
</tr>
<tr>
<td>Video Format</td>
<td>UXGA, Component HD, RGB, S-Video, Composite</td>
</tr>
<tr>
<td>Environment</td>
<td>Requirement</td>
</tr>
<tr>
<td>Dimensions</td>
<td>100 x 75 x 15mm</td>
</tr>
</tbody>
</table>
Guarantee

This product is guaranteed for 12 months from the date of original purchase. If any defect arises during this period due to faulty materials or workmanship, the unit will be replaced or a repair carried out free of charge (where possible) by the dealer from whom it was purchased.

The guarantee is subject to the following provisions:

- The guarantee is only valid within the boundaries of the country of purchase.
- The product must be correctly assembled and operated in accordance with the instructions contained in this guide.
- The guarantee does not cover accidental damage, misuse, or consumable items.
- The guarantee is rendered invalid if the product is resold or has been damaged by inexpert repair.
- The manufacture disclaims any liability for incidental or consequential damages.

This guarantee is in addition to, and does not diminish, your statutory, or legal rights.