

5.5 Installation and Use for Full HD Wireless Video Transmission system (Optional)

5.5.1 Features and description

It is a Full HD Video transmission system, which uses the 60GHz band.

Thanks to this new technology, it is able to wirelessly transmit the uncompressed Full HD 1080p signal.

The system consists of a transmitter (inside the control box on the lamp) and a receiver to be installed on the display device.

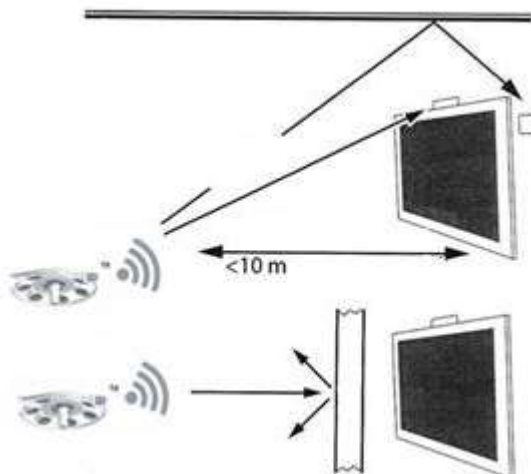
The use of the product is simple and intuitive.

Wireless signal transmission allows crisp images without any loss of quality, a stable transmission and does not require any software installation.

Compatible with all HDMI devices and monitors.

5.5.2 Advices for correct use

For proper transmission of video signals you should not use the device in the presence of obstacles.



5.5.3 PARTS

5.5.3.1 Transmitter (TX)

No details on the transmitter because it is already installed inside the lamp.
It is located inside the control box.

5.5.3.2 Receiver (RX)

If the system is supplied with ACEM monitor, then the receiver is already assembled and installed properly on the monitor.

Otherwise, the kit for the receiver is composed of 4 pieces:

- 1- Receiver
- 2- Power Supply
- 3- HDMI Cable
- 4- MiniUSB/USB Cable (for power supply from Display)



5.5.4 INSTALLATION

5.5.4.1 Installation prescriptions

Ensure:

- Installation distance between transmitter and receiver must not exceed 5 meters.
- Line of sight – LOS – installation must be respected.
- Check that EMC requirements of all the equipment around are respected.
- Functionality is limited to one TX/RX pair. No other TX/RX pairs can be installed in the same room.

Avoid:

- Obstacles to lie in between transmitter and receiver (wall, room divider etc)
- Other appliances or equipment using the same radio frequency range, to be close to or in between the transmitter and receiver (See paragraph 6.3 for further information).
- Other TX/RX pairs are installed in the same room

5.5.4.2 Transmitter (TX) prescriptions

No operations are required because the transmitter is already integrated with the lamp.
It is located inside the control box.

5.5.4.3 Receiver (RX) prescriptions

The receiver can be installed directly on the monitor that has to receive and display the video signal stream.

The receiver can have the following two types of installation depending on monitor placement.

5.5.4.4 Monitor installed on the pendant

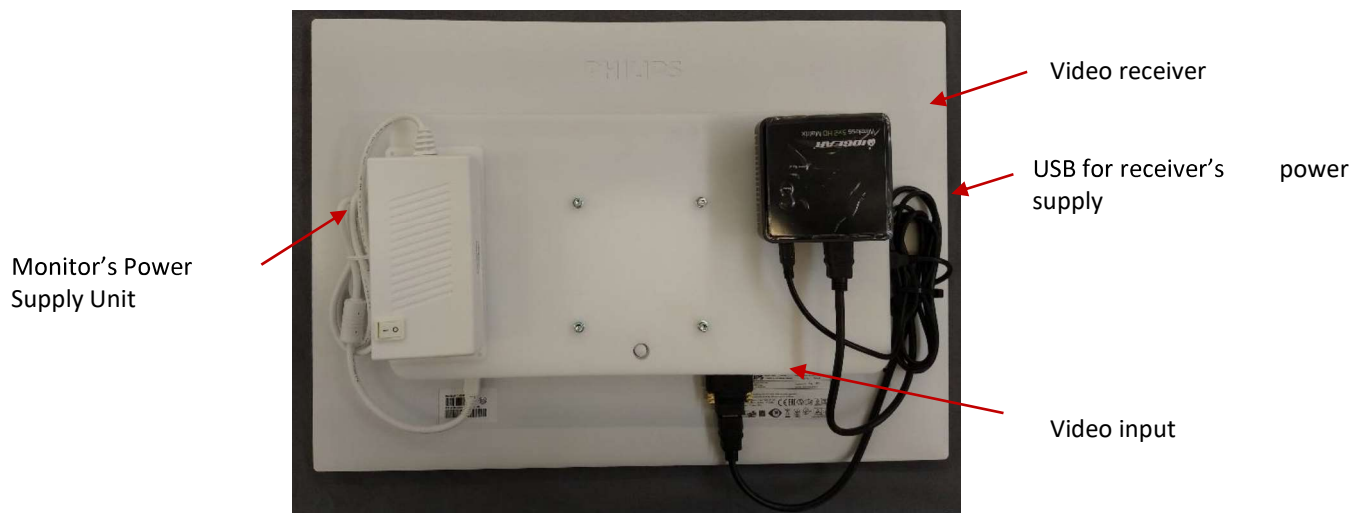
In this case, monitor and the video receiver units become part to the pendant.

Example of configuration with Receiver on pendant Monitor (picture indicative)



During installation, ensure that the power supply unit of the monitor has an outlet available for connection to the mains at the low-end of the spring arm / monitor bracket.

Route a suitable cable / power cord for power supply of the monitor (also refer to installation manual for the pendant) from top of the pendant and through it down to the monitor.



Picture shows the (back) monitor assembly (*example, cabling may be different depending on the monitor*). Monitor is provided with power supply unit and video receiver.

Connect the receiver to the monitor:

- video signal using the HDMI cable
- power supply using the USB cable.

Connect the power supply for the monitor.

5.5.4.5 Monitor installed on the Wall

In this case, monitor and the video receiver units are external to the pendant.

Example of configuration with Receiver on top of wall monitor (Picture indicative)



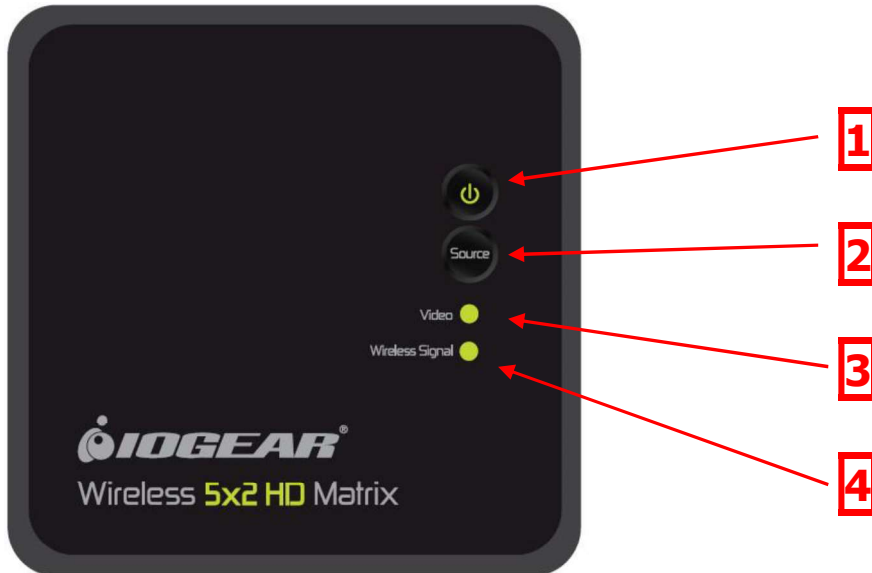
Ensure that a mains socket for the power supplies of both the monitor and the receiver is available nearby.

The final assembly of the receiver on the monitor must be similar to that described in the previous chapter.

Receiver can be mounted on top or at the bottom of the monitor.

5.5.4.6 Connections on the receiver

The upper side has the following buttons and LED:



1- Power button with LED indicator:

Green LED: on

Red LED: in Standby mode

2- Source select button

For source selection (not used)

3- LED Video:

Off: in Standby mode

Flashing: on power up (15-20 seconds)

Fast flashing: no signal from the source

Slow flashing: unrecognized video format

Fixed Green - video reception

4- LED Wireless:

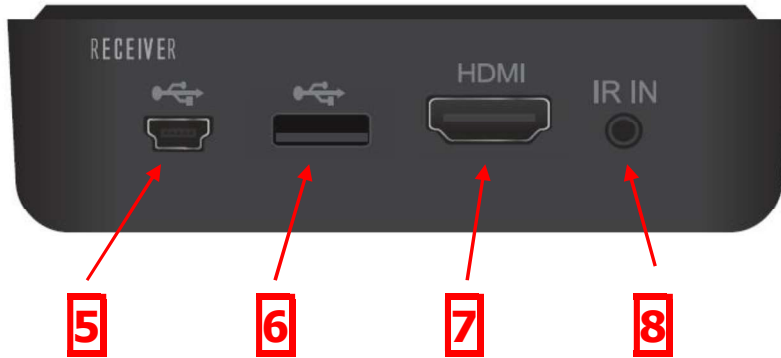
Off: in Standby mode

Flashing: on power-up

Fast flashing: source search

Fixed Green - connected with the source

The back side has the following connections available:



5- Mini USB:

Power supply connection input

6- USB:

Service Connection (not used)

7- HDMI Output:

Monitor connection output

8 IR Input:

Connection for remote control (not used)

Link LED:

Fast blink – searching

Slow blink – connected

Solid on – receiving video

Control Button:

2 – 3s press – scan for and connect to another transmitter

>5s press (until Led goes off) – reset to factory defaults and connect to first transmitter found.

HDMI out:

Monitor connection Output

Power:

Power connection input

5.5.4.7 Visual inspection and functioning test before use

A visual control must be carried out after installation.

The device can operate only if:

- a) Connection test of TX and RX has been done on site;
- b) The person/s responsible for the operation of the lamp and its users have been properly trained according to use instructions.

5.5.5 Advices for use

Being a wireless connection, caution must be used during functioning.

Most of the time the transmission is smooth and seamless.

Anyway, should occur that the signal is lost by the receiver, try to reorient the transmitter or remove obstacles between the two devices, to regain connection.

At power ON

In case of lack of signal at power ON, do the following: switch the lamp OFF from the ISENSE pushbutton, wait 2 seconds then switch the lamp back ON.

Connection should be established within few seconds.

If necessary to ease connection move lamp closer to receiver.

Once connection is established and video is stable on screen, move the lamp where needed respecting all the prescriptions anyway.

It may happens that on first switch on the connection between control panel and camera cannot be established, because of delay or radio disturbances on the Radio communication link (RED CAMERA icon do not light up).

Please switch OFF and back ON from Isense panel a few times until connection is established.

See also paragraph 4.5.4.1 for further information.

5.5.6 Cleaning

Follow instruction of the main device, which this receiver has become part of after installation.

The enclosure has opening for cooling hence, do not pour liquids directly on the device, use a cloth with a small quantity of detergent or disinfectant, instead.