

DG180-S

xSender™

Wireless Video Sender System

LR150-S

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Registered in England: 02831823

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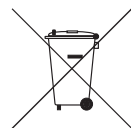


**IMPORTANT: ALWAYS KEEP THIS INSTRUCTION
MANUAL FOR FUTURE REFERENCE**

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WARNING
To prevent damage do not expose this unit to rain or moisture.



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling waste



INTERFERENCE WARNING
This device is liable to receive interference signals generated by Spread Spectrum Lan networks and stray microwave emission from some Microwave Ovens. Such interference will cease after the interfering equipment has been switched off.

Technical Specifications

Transmitter :

Remote relay receiver	433.92MHz
Audio/Video Frequency	2.4000GHz ~ 2.4835GHz
Channel Frequency	Channel 1 2.414GHz Channel 2 2.432GHz Channel 3 2.450GHz Channel 4 2.468GHz
Modulation	FM
Video Input Level	1V PP/75Ω
Colour Video Input	Phase Alternate Line (PAL)
Audio Input Level	1.0v PP (Mod 1KHz, Dev 15KHz)
Audio Bandwidth	10Hz - 22KHz (-1dB)
Input Connectors	Euro SCART x 2
Power Source	DC 9V 300mA Typical

Receiver :

Remote relay transmitter	433.92MHz
Audio/Video Frequency	2.4000GHz ~ 2.4835GHz
Modulation	FM
Video Output Level	1V PP/75Ω
Sensitivity	-90dBm
Audio Output Level	1.0V PP (Mod 1KHz, Dev 15KHz)
Audio Bandwidth	10Hz - 22KHz (-1dB)
Output Connectors	Euro SCART
Power Source	DC 9V 300mA Typical

Approvals

BS7002/00.92
EN60950:1992+A1+A2+A3+A4+A11
I-ETS 300 440:1997
EN 300 220-1:1997

Antenna System

Internal Omni-directional dipole (2.4GHz)
External Omni-directional dipole (433.92MHz)
≤ 150metres free air space
≈ 40 metres in-building (through walls)

System Range

Technical Support

AEI Security & Communications Ltd is dedicated to providing our customers and end-users with first class technical support.

To this end, we have provided you with 3 methods of obtaining technical advice on this product.

During busy periods we would recommend using the web and e-mail bases options to obtain support.

1. On the web...

Free technical advice is available online 24/7 at our dedicated support web site:

<http://www.digisender.net>

2. By e-mail...

You can contact our engineers by e-mail. Please be sure to clearly explain your problem and the model you have purchased.

advice@digisender.net

3. By Telephone...

We have a dedicated helpline, open every week day 9AM - 5PM. The helpline is available to UK customers only.

Please note that calls are charged at the national rate, and your call may be recorded for training purposes.

0845 1667940

DG180-S xSender™ Introduction

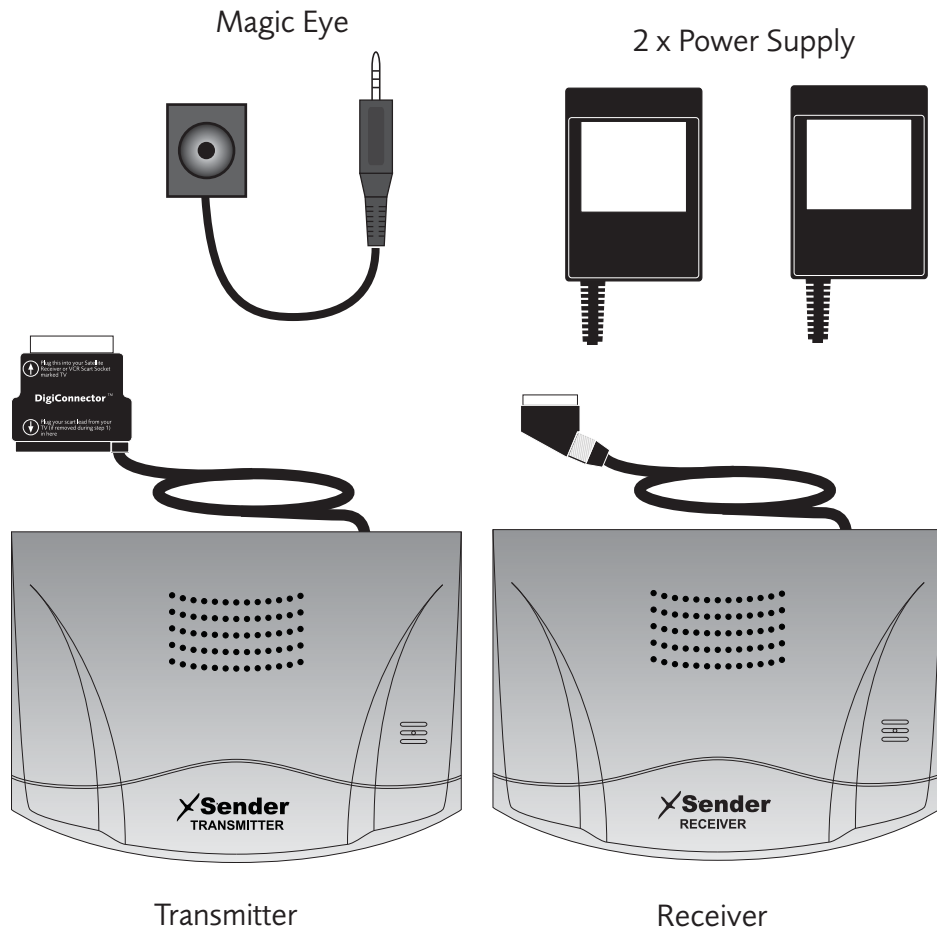
Congratulations on purchasing the **xSender™**. This product represents state of the art wireless video technology and exceptional value for money.

You can now enjoy receiving crisp pictures and stereo sound from your satellite receiver or DVD player for example, located in another room.

xSender™ is designed to work with virtually any video source and is an ideal solution for transmitting channels from a typical home entertainment environment consisting of a TV connected to a Satellite/cable receiver, Video Recorder and DVD player.



xSender™ Pack Contents



Q: There is interference on my picture!

A: You need to change the Audio/Video channel of your xSender. See page 5 for details.

Q: I can't choose a different Satellite/Cable channel from my main room!

A: This is normal. Your Satellite/Cable decoder can only decode one channel at a time.

Q: My neighbour is changing my Satellite/Cable channel!

A: Your neighbour is using a xSender system. Consider purchasing the DigiEye Intelligent remote control extender. This device features 16 remote channels.

Q: I can't get my Satellite/Cable/DVD/VCR remote control to work in the second room!

A: *This could be a number of things...*

- i) Check the position of the magic eye is as shown on page 11. Try moving the eye into different positions.
- ii) Change the batteries in your remote control.
- iii) Try moving the xSender transmitter and receiver away from electrical equipment that may be interfering.

Q: Where can I purchase upgrades and additional parts for my xSender?

A: Always ask at your local stockist. More information is available from the AEI website at: <http://www.digisender.net>

Frequently asked questions (FAQ)

Q: I can't get my Digital Cable remote control to work!

A: *This model of xSender may be incompatible with your Digital Cable Receiver.*

- i) Purchase the DigiEye Intelligent Remote Control Extender (part DG100DE)
- ii) Or, upgrade this system to the xSender Gold DG400 system.

Q: I can only see a fuzzy 'snowstorm' picture!

A: *This could be caused by a number of reasons. Check out the following...*

- i) Your remote television is set to the correct A/V channel (see page 13 for details).
To confirm this, switch off your receiver. If the screen does **not** go black, you haven't selected the A/V channel. You may need to refer to your television instruction guide for details.
- ii) The correct xSender Audio/Video channel has been correctly set. The same audio/video channel must be selected on both the transmitter and receiver. See page 5 for details.

Q: I can only get a 'black' picture!

- A:
- i) Check the receiver is switched (a red light, and channel number appear on the front)
 - ii) Check the appropriate cable is connected to your source equipment. For example, the DigiConnector needs to be connected to the 'TV' socket on your satellite or cable system. If it is connected to your main television, the system will not work.
 - iv) You cannot connect hard wired SCART plugs into the SCART socket on the DigiConnector. This is sometimes used on Pace FreeView systems and CCTV cameras. *Contact the AEI Helpline on 0845 1667940 for details.*

Q: The picture is poor and seems to get worse when my On Screen Menu is up!

- A:
- i) You need to change the CONTRAST setting on the DigiConnector, connected to the device you are viewing. There are only two settings: A and B
 - ii) Check the xSender transmitter and receiver are within the stated range - roughly 25m through walls/ceilings or 100m in free air.
 - iii) Move the xSender transmitter and receiver away from metal objects that may be blocking the signal.

IMPORTANT

Changing the Audio/Video (2.4GHz) Channel

This section only applies if you are using more than 1 transmitter (for example, CCTV use) or a neighbour is also using a wireless video sender.

There are 4 channels available for use in the 2.4GHz band. Your transmitter and receiver **MUST** be set to the same channel in order to operate.

This setting is made on the rear of the units, look for the switch labelled 'Audio/Video Channel'

PLEASE PROCEED TO PAGE 6 TO PROCEED WITH INSTALLATION OF THIS PRODUCT.

xSender™ Transmitter Rear Panel Descriptions

1. Audio/Video Channel

Default: Channel 1

See Advanced Section for details.

2. DigiConnector

Connect your satellite or cable here.

3. Magic Eye Output

Connect the supplied magic eye remote extender here.

4. Power Supply

Connect one of the supplied power Supply Adaptors here

5. Power Switch (0/1)

Used to switch ON and OFF your DigiSender transmitter.

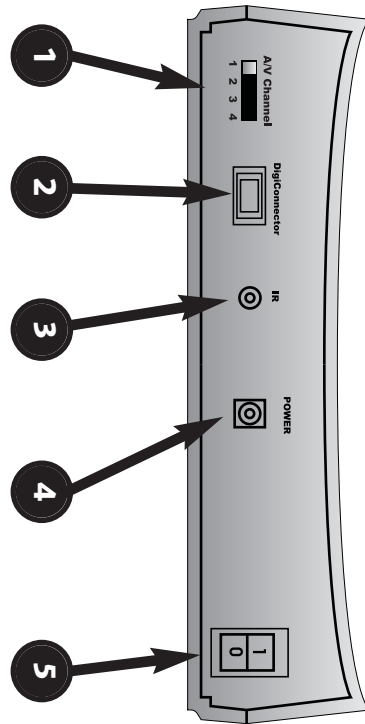


Figure 6.1 xSender DG180-S Transmitter

Connect your receiver to any TV - no SCART socket required!



Part Number: MOD01PIS

- Connect an xSender™ receiver to an aerial socket on your T.V.
- Shares the power supply with your xSender™
- Test Card signal for easy set up
- Compatible with every UK television
- Adds the xSender™ signal to your existing aerial signal

<http://www.digisender.net>
for the latest info, upgrades and technical support

Upgrade Options

Receive your Satellite/Cable on additional televisions.



Part Number: DG18RX

- Add as many receivers as you require to your xSender™ system
- Connect to any SCART enabled television or use with the MOD01PIS Aerial Converter
- Supplied with PSU
- Requires xSender™ transmitter

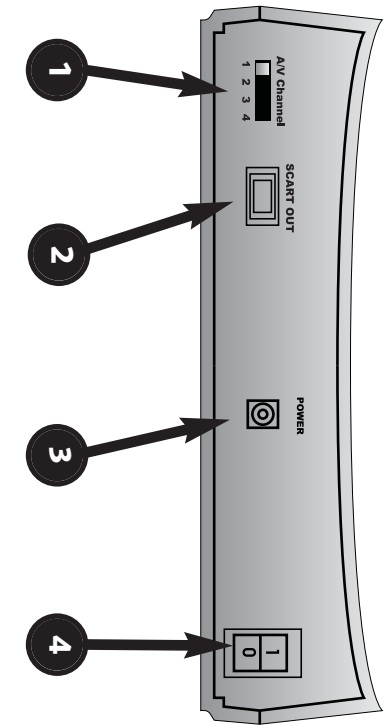
Add up to 4 Wireless CCTV cameras to your system.



Part Number: DG380P

- High definition CCD picture element
- Automatically switches from colour to monochrome in low light level situations
- Internal close range infra-red night vision
- Internal rechargeable battery
- Can be used in a fixed location or as a hand-held camera
- You can use up to 4 cameras in a single system.
- Supplied with PSU, and all fixtures and fittings

xSender™ Receiver Rear Panel Descriptions



1. Audio/Video Channel

Default: Channel 1
See Advanced Section for details.

2. SCART Out

Use this lead to connect to an available SCART input on your remote television.

3. Power Supply

Connect one of the supplied power supply adaptors here.

4. Power Switch (0/1)

Use this to switch your xSender™ receiver ON or OFF.

Figure 7.1 xSender DG180-S Receiver

Connecting a SCART device to your xSender™ transmitter

You can use the DigiConnector to connect a SCART device to your transmitter.

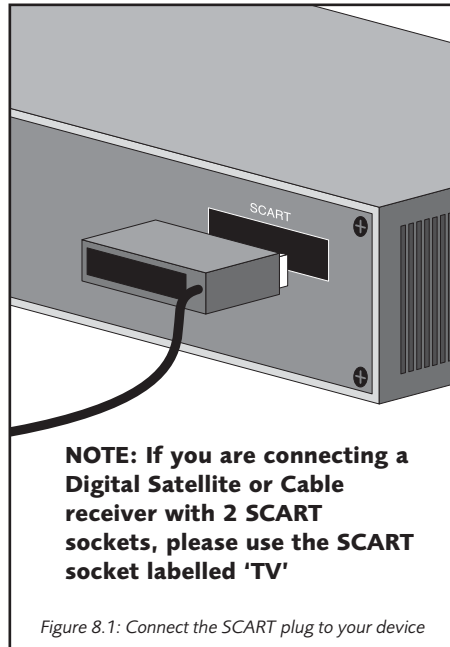
This could be one of the following devices.

- Digital Satellite Decoder
- Digital Cable Decoder
- DVD Player
- Video Cassette Recorder
- Free-to-air decoder

The DigiConnector features a 'SCART through connection', allowing you to share a SCART socket with your main television.

STEP 1

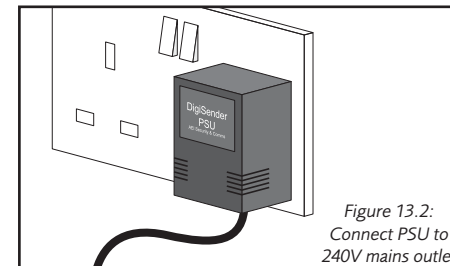
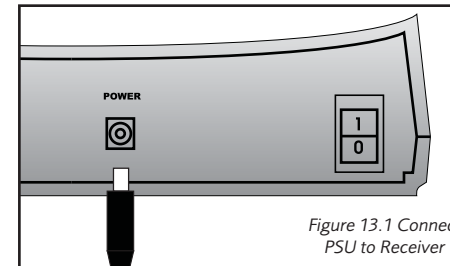
Connect the DigiConnector to a SCART socket on your source equipment. This could be your Satellite/Cable Decoder, DVD player or VCR.



STEP 2

Connect the power supply unit as shown below. Then, switch ON the xSender™ receiver and your television.

IMPORTANT: Always switch off your mains supply at the socket, prior to connecting the power supply units



STEP 3

You must select your television's A/V channel in order to view your remote equipment (satellite/cable television etc.) This is done on your television's remote control unit. We have made a list below of some of the more common buttons you need to press to activate the A/V channel.

Please refer to your television's user guide for details on connecting external video sources.

Press...

**A/V
VIDEO
TV/VCR
VCR
EXT
LINE**

Please note, you do not need to tune your TV into the DG180-S, and your TV does not need an aerial connection.

Connecting the xSender™ receiver to your television

Your xSender™ receiver can be connected to any remote television with a SCART socket.

NO SCART SOCKET?

You need the Aerial Converter.
Ask for part:

MOD-01-PIS

The Aerial Converter enables you to connect the DigiSender receiver to any television without the need for a SCART socket.

STEP 1

Connect the SCART lead to an available SCART socket on your remote television.

IMPORTANT: We recommend switching off your television set prior to connecting the SCART lead.

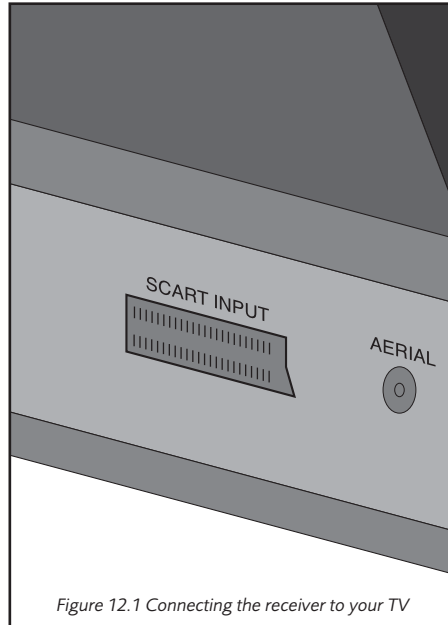


Figure 12.1 Connecting the receiver to your TV

STEP 2

If there was already a SCART lead connecting this item to your TV: connect it to the socket section on the DigiConnector.

NOTE: Don't worry if you don't already have a SCART lead to connect here - this feature is optional

CONTRAST SETTING (A/B)

The contrast setting switch may be adjusted if the picture and sound on the receiving television is of a poor quality.

Use this setting if the picture and/or sound degrades when using on screen menus or text.

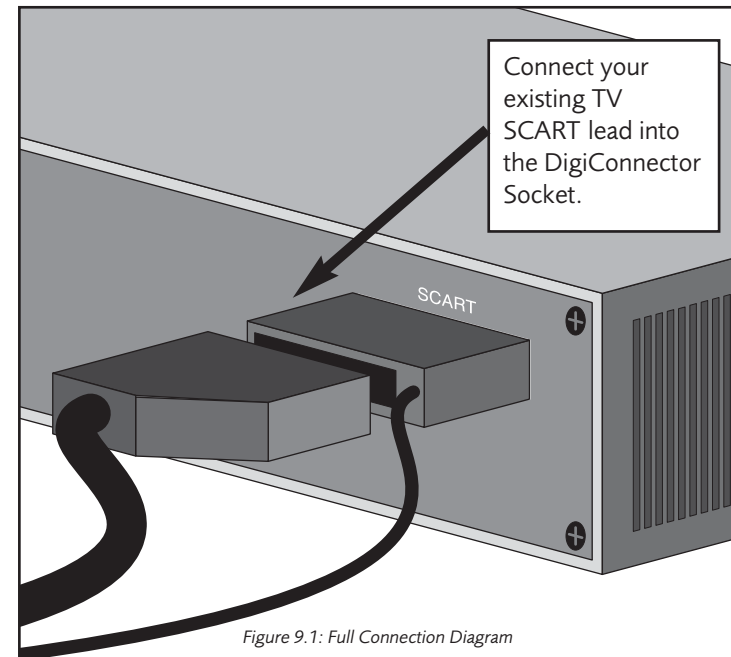


Figure 9.1: Full Connection Diagram

Finishing the transmitter installation

You've almost finished installing the transmitter!

The xSender™ features an internal remote control extender. This enables you to use your original equipment remote controls in the remote location.

The 'magic eye' emits your original remote control signals and must be positioned correctly in order to work well.

NTL® and Telewest® customers may require the DigiEye™ upgrade. See FAQ for details.

STEP 1

Connect one of the supplied PSU's (power supply unit) to your xSender™ transmitter. The plug section must then be connected to an available mains socket.

IMPORTANT: Always switch off your mains supply at the socket, prior to connecting the power supply units

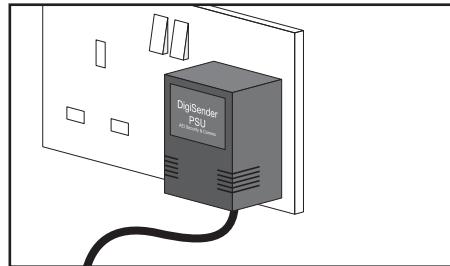


Figure 10.1
Connect PSU to 240V
mains outlet

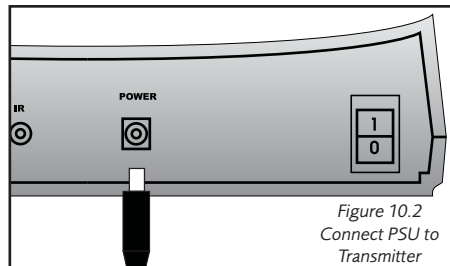


Figure 10.2
Connect PSU to
Transmitter

STEP 2

Connect the 'magic eye' lead to the xSender™ transmitter as shown below.

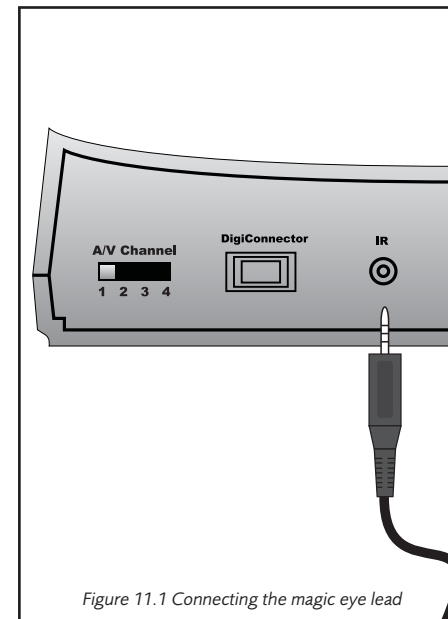


Figure 11.1 Connecting the magic eye lead

STEP 3

The Magic eye emits its infra red signals from the tip, therefore you may find it works better fixed to a shelf facing the front of your equipment. (NOTE: Do not fix the magic eye into position until you have confirmed operation at your preferred choice).

NTL® and Telewest® customers may require the DigiEye™ upgrade. See FAQ for details.

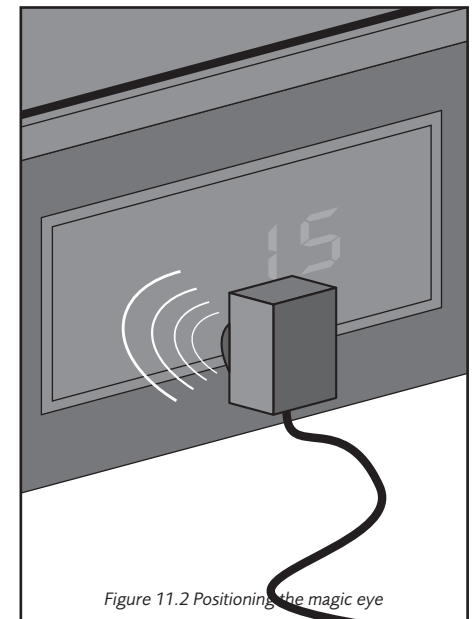


Figure 11.2 Positioning the magic eye