

Model: DG180-S

# **DigiSender<sup>®</sup>** *Wirefree TV for your home* **Sender**

**Single Input 2.4GHz Wireless AV Sender System**



**WATCH A VIDEO  
INSTALLATION  
& TROUBLESHOOTING GUIDE**

Available online at: [www.aei.eu/video](http://www.aei.eu/video)

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## Introduction

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Congratulations on purchasing the DigiSender® xSender™ - Single Input 2.4GHz Wireless AV Sender System. This product represents state of the art wireless audio and video technology at exceptional value for money.

You can now enjoy DVD quality video and Hi-Fi stereo sound from your Satellite, Cable, Freeview, DVD or VCR in another room in your home.

The DigiSender® xSender is designed to work with virtually any video source and is an ideal solution for transmitting channels from a typical home entertainment environment.

*Benefit from 2.4GHz wireless transmission, a DigiConnector™ SCART Input, 4 Audio/Video Channels and a clean and compact silver design with the new DigiSender® xSender™!*

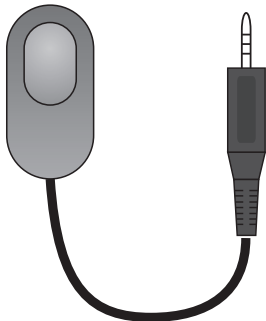


# Installing your DigiSender®

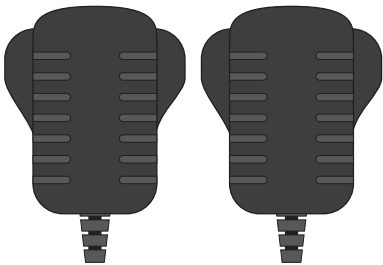
## Step 1 - Unpack your DigiSender®

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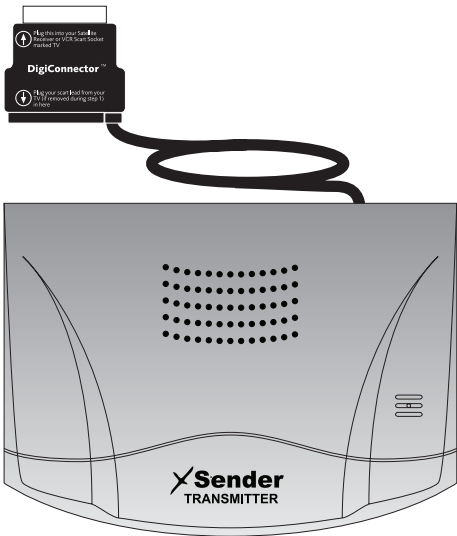
All DigiSender® orders are computer weight checked when packed. However, it is a good idea to check all kit contents are present before proceeding with the installation.



IR Emitter



2x Power Supply Units



Transmitter



Receiver

## Installing your DigiSender®

### Step 2 - Install the Transmitter

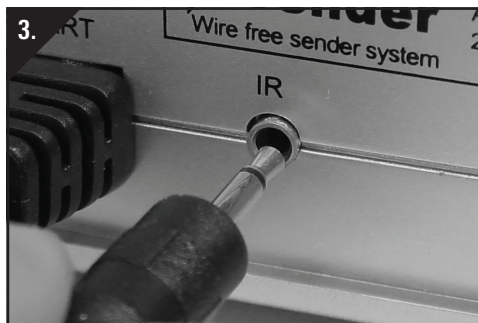
The Transmitter will send the audio and video from two connected sources (your Satellite receiver and DVD Player for example) to the Receiver, located in another room in your home.



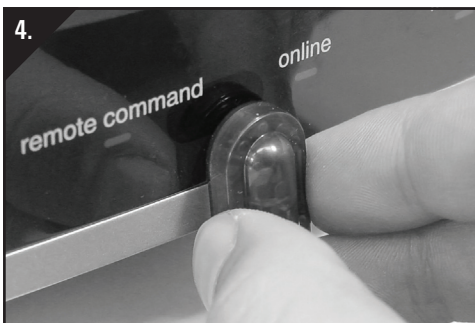
Connect the DigiConnector™ to your Satellite, Cable or Freeview box. Use the SCART socket labelled 'TV' or 'OUT'. Connect any existing SCART lead into the rear of the DigiConnector™.



Ensure that the Audio/Video Channel switch on the back of the Transmitter is set to 1.



Connect the IR Emitter to the socket labelled 'IR' on the back of the Transmitter.



Position the IR Emitter on or in front of your source equipment (satellite, freeview, DVD, etc.) with the LED facing toward the equipments IR Sensor.

## Installing your DigiSender® *continued...*

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**Note:** Try to avoid positioning the Transmitter directly on top of other electrical devices as this could lead to a poor picture.



Connect the Power Supply Unit (PSU) to the socket labelled 'POWER' on the rear of the Transmitter.



Connect the Power Supply Unit (PSU) to an available mains socket.

### What's the A/B switch for?

The Contrast (A/B) switch is present to compensate for differences in equipment set-ups.

*If you experience a poor picture after installation is complete, try adjusting the A/B setting.*



## Installing your DigiSender®

### Step 3 - Install the Receiver

The Receiver will pick up the signals being sent by your Transmitter and output them to a connected TV.



1. Locate a vacant SCART socket on the back of your receiving TV and insert the DigiSender® SCART cable.



2. Ensure that the Audio/Video Channel switch on the back of the Receiver is set to 1.



3. Connect the Power Supply Unit (PSU) to the socket labelled 'POWER' on the rear of the Receiver.



4. Connect the Power Supply Unit (PSU) to an available mains socket.



## Using your DigiSender® Standard Operation

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The steps below should be followed every time you use the DigiSender®.




Switch on the source equipment (Satellite, Free-view, DVD, VCR, etc.).



Switch on the Transmitter and Receiver at the rear of the units.



On the receiving TV, select the SCART channel assigned to the SCART socket that you plugged the DG180-S Receiver in to. This may be labelled as SCART, AUX, AV, VIDEO, VCR or .



To control your source equipment, use its original remote control while pointing it at the front of the receiver.



## Using your DigiSender®

### Advanced Functions

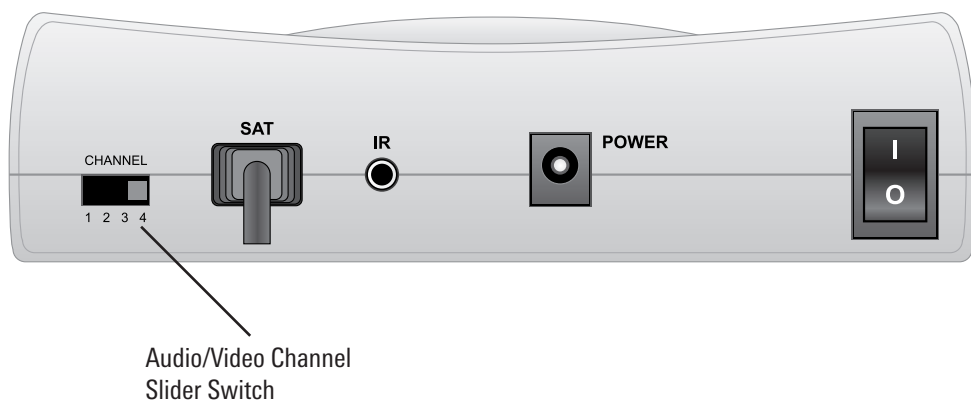
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#### Changing the Audio/Video Channel

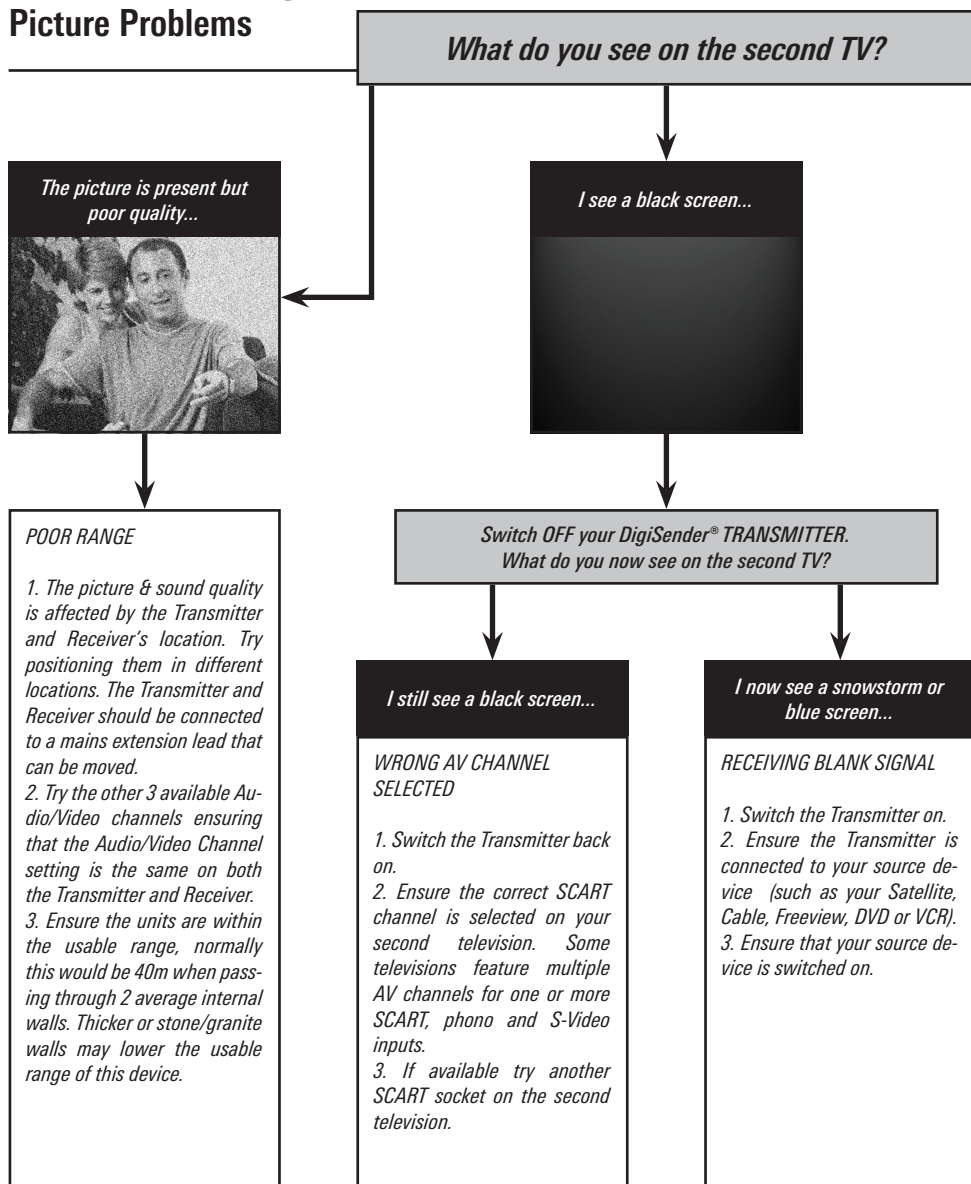
The DigiSender® xSender™ features 4 Audio/Video Channels. Each of these Audio/Video Channels slightly changes the frequency on which the DigiSender® xSender™ operates. Because the Audio/Video Channel switch allows you to 'fine tune' the frequency on which your DigiSender® xSender™ operates, it is possible to overcome most interference and reception troubles that may occur.

To change the Audio/Video Channel on your DigiSender® xSender™, simply change the position of the Audio/Video Channel slider switch to 1, 2, 3 or 4.

*For your DigiSender® xSender™ to function correctly it is very important that the Audio/Video Channel settings are the same on both the Transmitter and Receiver.*



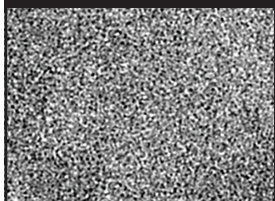
## Troubleshooting Picture Problems



## Troubleshooting Picture Problems

**What do you see on the second TV?**

*I see a snowstorm or blue screen...*



**Switch OFF your DigiSender® RECEIVER.  
What do you now see on the second TV?**


*I now see a black screen...*

### **NOT RECEIVING SIGNAL**

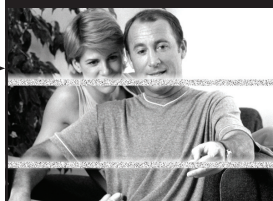
1. Switch the DigiSender® Receiver back on.
2. Ensure the DigiSender® Transmitter is switched on.
3. Try the other 3 available Audio/Video channels ensuring that the Audio/Video Channel is set the same on both the Transmitter and Receiver.

*I still see a snowstorm or blue screen...*

### **WRONG TV CHANNEL SELECTED**

*This indicates that the correct SCART Channel has NOT been selected on the second television. Look for buttons on this televisions remote control which could select the AV Channel such as EXT, AV, VIDEO, VCR, AUX, Channel 0 AND .*

*I see lines over the picture...*

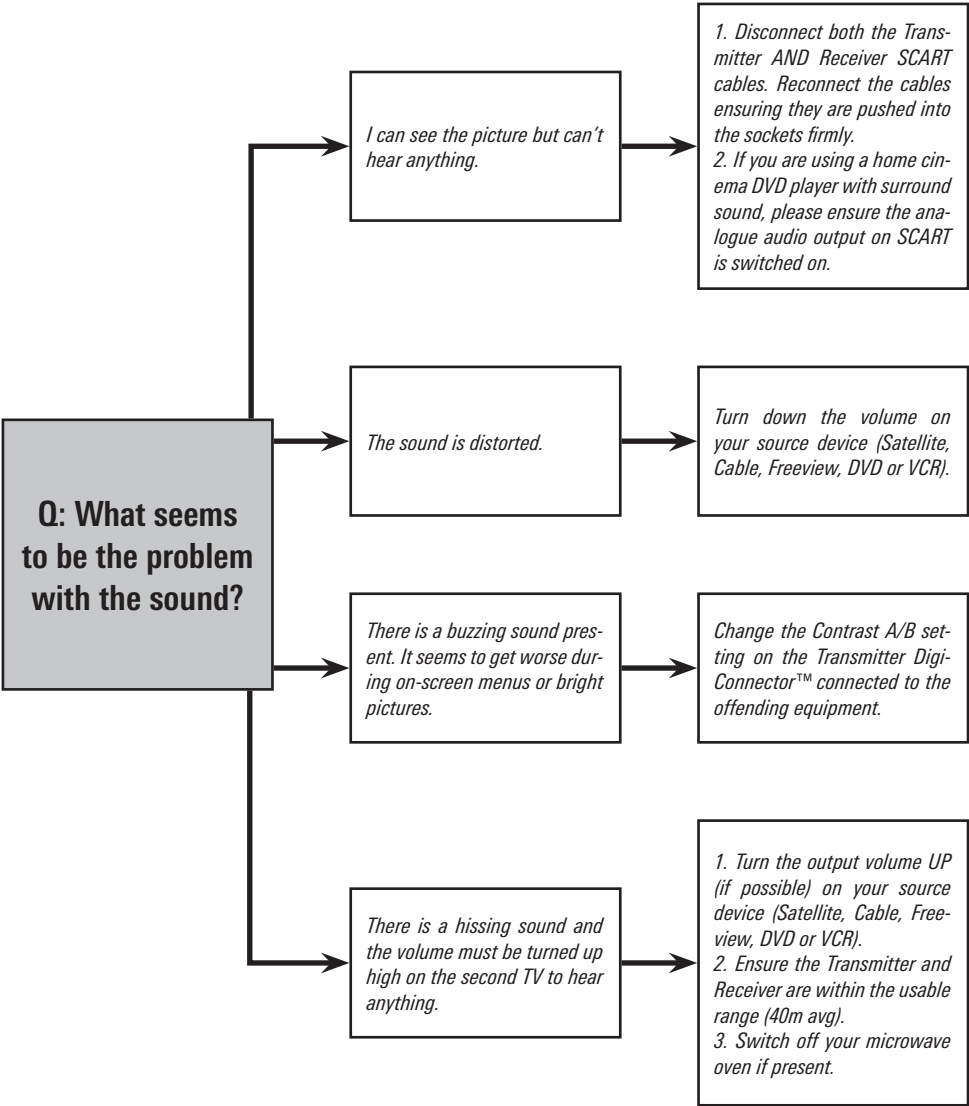


### **INTERFERENCE**

*This indicates one or more electrical devices are interfering with the DigiSender®. Make sure the Transmitter and Receiver are not directly on top of other electrical devices. Try all 4 Audio/Video Channels on your DigiSender® as one or more may still be available. Visit [digisender.net](http://digisender.net) or contact our helpline for information on configuring your equipment to work together.*

# Troubleshooting

## Audio Problems



## Troubleshooting

### Remote Relay Problems

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If you have any difficulty operating your source equipment remote control in your second room please follow the advice below below:

1. Ensure the IR Emitter is connected to the socket labelled 'IR' on the Transmitter.
2. Ensure you are using the correct remote control in the second room. For instance, if you are trying to control your Satellite box you will need to use the Satellite remote control.
3. Ensure the IR Emitter is facing the IR sensor on your source equipment.
4. Move the IR Emitter further away from the source equipment.
5. Move the Transmitter AND Receiver further away from other electrical devices.
6. Try operating your source remote control closer to the Receiver.
7. Replace the batteries in your source remote control.



# Troubleshooting

## Technical Support & Accessories

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### Technical Support

AEI Security & Communications Ltd is dedicated to providing our customers with first class customer care and technical support.

#### 1. Website

Free technical advice is available online 24/7 at our dedicated support web site: ***www.aei.eu***

#### 2. Online Videos

Watch online Installation and Troubleshooting Video Guides at: ***www.aei.eu/video***

#### 3. Live Chat

Chat to one of our technical advisors live. See website for details.

#### 4. Telephone

We have a dedicated helpline, open Monday to Friday, 8.30am - 4pm. ***Call 02071 931 413.***

### Accessories

If you wish to transmit your source to more than 1 room, this can be achieved by using the additional receiver below.

To purchase visit us online at: ***www.easylife.com*** or call us on: ***02071 931 413.***



**DG20RX - DigiSender® X2 Additional Receiver**

- Get your Satellite channels to additional TV's in your home!
- Add as many Receivers as you require to your DigiSender® system
- Requires existing DigiSender® xSender™ Transmitter

We,

**AEI Security & Communications Ltd.**

*Weslake Industrial Park, Harbour Road, Rye, East Sussex, TN31 7TE, United Kingdom*

declare under our sole responsibility that the products bearing the series code prefixed:

**DGx, DVx, DXx** (*x refers to the specific model number*)

are in conformity with the essential requirements of Directive 1995/5/EC. These products have been tested against the following standards and specifications:

**Low Voltage Directive**

EN60950:2000

*Safety of information technology equipment.*

**Electromagnetic Compatibility Directive**

EN 301 489-3 V1.3.1: 11-2001

*Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 KHz and 40 GHz.*

EN 301 489-1 V1.3.1: 09-2001

*Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.*

**Radio Spectrum**

EN 300 440-1 V1.3.1: 09-2001

*Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods.*

**Power Supply**

EN55022: 2003

*Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement.*

EN55024: 2003

*Information technology equipment. Immunity characteristics. Limits and methods of measurement.*

IEC 61000-3-2: 2001

*Electromagnetic Compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq$  16 A per phase).*

IEC 61000-3-3: 2001

*Electromagnetic Compatibility (EMC) - Part 3-3: Limits - Limitations of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, equipment with rated current  $\leq$  16 A per phase and not subject to conditional connection.*

The product is marked with the CE marking and Notified Body Number according to directive 1999/5/EC.



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 advice.

**CE 0359 01**

AEI checked & not limited for use in the following countries: France, England  
LOW POWER WIRELESS A/V  
PRODUCT OPERATING ON 2.4GHZ

**AEI** SECURITY & COMMUNICATIONS

*Original Document of Conformity has been signed.*



## **SPECIFICATIONS**

|                              |                                |
|------------------------------|--------------------------------|
| Transmitter Input            | 1x DigiConnector™ SCART        |
| Receiver Outputs             | 1x SCART                       |
| Audio/Video Frequency        | 2.4000GHz ~ 2.4835GHz          |
| Remote Control Compatibility | RC5, RC6                       |
| Video Input Level            | 1V Peak-Peak 75Ω               |
| Video Input Colour           | PAL (Phase Alternate Line)     |
| Audio Input Level            | 1.0v PP (Mod 1KHz, Dev 15KHz)  |
| Audio Bandwidth              | 20Hz - 22KHz (-3dB)            |
| Range                        | 100m (Free-Air), 40m (Nominal) |
| Power                        | 9V DC, 300mA                   |
| Dimensions                   | L: 100mm, W: 134mm, H: 40mm    |
| Weight                       | 0.23kg                         |

CW250711-2

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