

Introduction

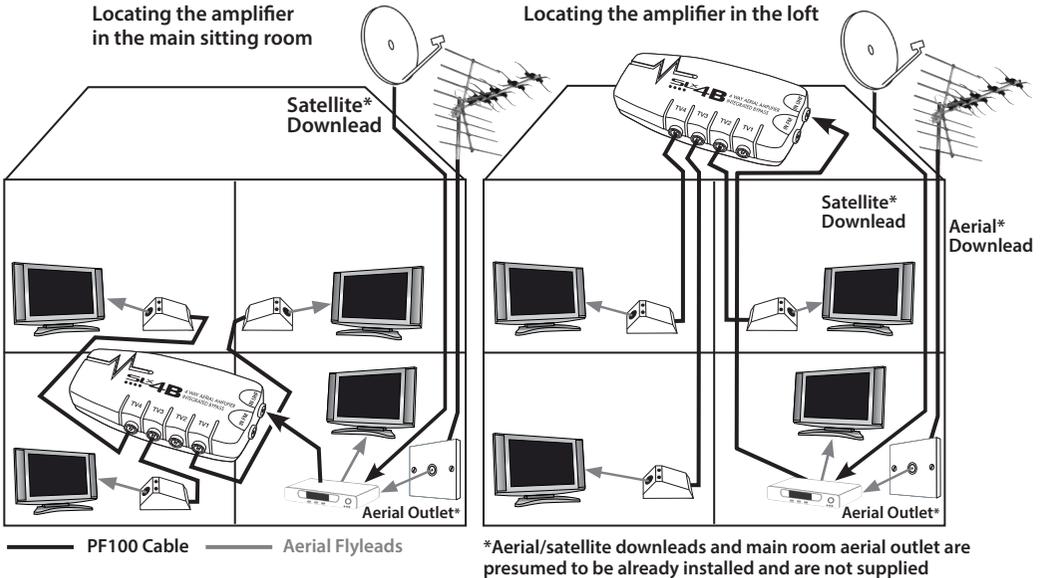
Congratulations on the purchase of your satellite signal distribution kit. The kit is supplied with a 4 way TV signal amplifier and is designed to distribute Sky™ signals from a single receiver as well as digital terrestrial signals around your home to up to 4 TVs without loss of signal strength. The 3 SLx Link eyes supplied with the kit allow a central Sky™ box to be controlled from up to 3 remote locations. The signal booster is 4G ready - which means it removes interference and channel loss caused by 4G mobile phone signals. Please Note: To receive output from the satellite RF2 output you will need a TV with an analogue tuner.

Distributing the satellite signal around your home

Planning your distribution system - Choosing a location for the SLx distribution amplifier

The 4 way TV signal distribution amplifier may be fitted in any convenient position the most popular being in the sitting room near an existing TV aerial socket and close to your Sky™ box. Alternatively it may be easier to run cable to your other rooms from the loft or some other location. In choosing a location, consider the following:

- a) The amplifier needs to be plugged into the mains, so it must be near a socket.
- b) You will need to run cables from the amplifier to each outlet point and to minimise signal loss cable runs should be kept as short as possible.
- c) You must be able to connect the cable from the aerial to the input of the amplifier via your Sky™ box (plus DVR/VCR if you wish to distribute signals from these as well as your satellite and aerial).

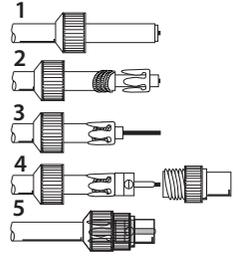


Once you have decided where you want to site your amplifier and each surface socket. Run individual cables from the amplifier to the surface sockets. Then wire coax plugs and sockets as shown overleaf.

Wiring coax plugs and coax surface outlets

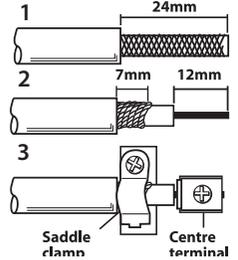
You will need to fit coax plugs to each of the leads running to TV outlets so that they can be connected to the SLx Amplifier.

1. Unscrew coax plug housing and slide cap over cable.
2. Strip 23mm of cable outer sheath. Gather copper braid, wrap around outer sheath, slide claw over braid and crimp.
3. Strip 18mm of inner insulation to leave 5mm exposed.
4. Undo screw on plug/clamp, slide clamp over inner wire & tighten screw.
5. Reassemble plug and trim inner wire flush with plug.



Next run the cables from the amplifier to the surface outlet positions, if drilling through walls be careful to avoid pipes and other cables. Use the cable clips supplied to secure cables. Wire the surface outlets as shown below and use the screws supplied to fix to a suitable surface such as a skirting board.

1. Strip 24mm of the outer sheath, pull back braid and tear off or cut off foil.
2. Twist braid together and wrap around inner insulation as shown, strip 12mm from inner insulation to expose central conductor.
3. Loosen terminal and saddle clamp screws and insert cable as shown in Fig. 3. Tighten all screws and trim away any loose strands of braid.

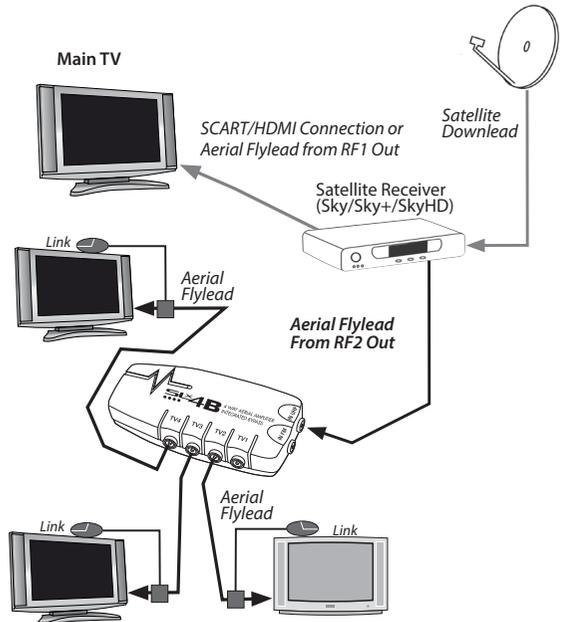


Amplifier connections

After you have made your amplifier connections follow the separate instructions supplied to set up your SLx Links to operate your Sky/Sky+/SkyHD receiver from remote rooms. You will need a suitable Sky™/Sky+™ remote control (not supplied) to operate each SKLx Link.

Satellite Distribution

1. Connect your satellite receiver to your main TV with an HDMI lead (if possible) or Scart lead or an aerial flylead from the RF1 output.
2. Connect the **RF2 OUT** on the satellite receiver to the **UHF IN** socket on your SLx Amplifier.
3. For TVs situated in remote rooms connect the cable running to the remote coax outlet to any of the outputs 1, 2, 3, 4 on your SLx Amplifier.
4. Connect one end of a TV aerial flylead to the surface socket in the remote room and connect this via one of the SLx links supplied to the ANTENNA IN socket on your TV. You will need to install the SLx Link at your remote TV if you wish to control the satellite receiver in your main room from this location.



Using the Amplifier with a Sky™ Digibox

Please Note:

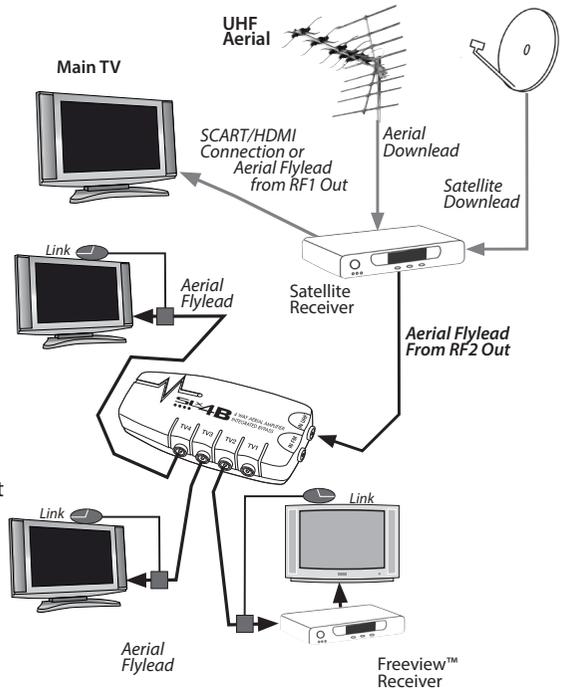
1. When using this amplifier with a Sky Digibox, the amplifier must be fed from the RF OUT-2 socket of the Digibox. However if the RF Channel is set to 59 or above (68 is usually the default channel) you will need to reset it to a channel from 21-58 in the Digibox Setup Menu.
2. Later Digibox models such as the Sky+HD 2TB are not fitted with an RF OUT2 output and you will need an I/O converter such as the MRX600K to distribute signals from the Digibox to other TVs.
3. To view satellite RF2 output TVs require an analogue tuner.

Resetting the RF Channel on a Digibox

1. Switch on your Sky™/Sky+™/ Sky+ HD™ receiver and view on your main television.
2. Press the **SERVICES** button on your Sky™ remote.
3. Select **SYSTEM SETUP** option (for **SKY+ HD** there is no **SYSTEM SETUP** option press **0** instead).
4. Press the following buttons in sequence: **0**, **1**, **SELECT** (for **SKY+ HD** this is a hidden option and does not appear on screen). You should now see the installers' menu.
5. Select the **RF CHANNEL NUMBER** option and key in a new channel number from 21-58.
Make a note of the channel number you choose as you may need it when tuning your other TVs.

Satellite and TV Distribution

1. Connect your UHF aerial download to the **ANTENNA IN (ANT IN, UHF IN)** input on your Satellite receiver.
2. Connect your satellite receiver to your main TV with an HDMI lead (if possible) or Scart lead or an aerial flylead from the RF1 output. (if you wish to watch Freeview™ on this TV connect via a Freeview™ receiver unless a receiver is already built in to your TV).
3. Connect the **RF2 OUT** on the satellite receiver to the **RF IN** socket on your SLx Amplifier.
4. For TVs situated in remote rooms connect the cable running to the remote coax outlet to any of the TV signal outputs 1, 2, 3, 4 on your SLx Amplifier.
5. Connect one end of a TV aerial flylead to the surface socket in the remote room and connect this via one of the SLx links supplied to the **ANT IN** socket on your TV (the SLx link allows you to control the Sky™ box in the main room).
6. For older TVs a separate Freeview™ set top or plug in receiver will be required. This should be connected between the SLx link and the **ANTENNA IN (ANT IN, UHF IN)** coax socket on your TV.



Troubleshooting

Digital terrestrial signals blocking/freezing and/or loss of digital picture and sound can be caused by insufficient digital signal and carrier to noise ratio.

Similarly blocking and even a completely blank screen with no sound can result if the input signal to the set top box is too high. The digital cliff refers to the rapid change from the picture and sound being perfect, to disappearing altogether.

For specific help with DTT reception problems, log onto www.digitaluk.co.uk/

No picture: Check all connections from aerial to TV.

Poor picture: Check all connections from aerial to TV.

Check aerial is properly aligned to the correct transmitter.

If the aerial has been loft mounted try mounting outside.

Make sure new digital coax cable has been used throughout the installation.

Check the transmitter signal is not obstructed by nearby trees or buildings.

If in a very weak signal area or for long cable runs, installing a masthead amplifier will improve the signal.

If in a strong signal area the signal strength may need to be reduced by fitting an attenuator.

Intermittent Picture: Make sure all RF cable to connector joints are tight (both inner and outer) including all flyleads and surface outlet connections.

General safety precautions

To Prevent Overheating

The recommended clearances and other precautions given in the installation section of these instructions must be observed to prevent overheating.

In addition, the amplifier should not be fixed where it is likely to become smothered by curtains or other fabrics, etc., or other thermal insulation materials in a roof space or similar building void. The unit should not be left resting on a carpet.

Cable Installation

Do not install cable - Closer than 50mm to mains or telephone wiring.

Under carpets in areas likely to be walked on regularly.

With sharp bends at corners.

For further information or any queries please contact

Philex Customer Careline: 08457 573 479

(Local rate – UK only)

Technical Support: www.philex.com/support

Other Precautions

Apart from the aerial and cable all other parts of the kit are not waterproof and are for indoor use only.

They must not be fixed where they could be exposed to dripping or splashing water. Objects containing liquids should not be placed on or near the appliance.

To prevent risk of fire, no object with a naked flame should be placed on or near the appliances or the wiring to them.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your



Local Authority for recycling advice.

Wall mounting your amplifier

Your SLx 4B TV amplifier has two keyhole slots on the reverse allowing you the option of wall mounting your amplifier. You will need suitable screws and wallplugs (not supplied).

