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.
**Satellite and TV Distribution**

1. Connect your UHF aerial downlead 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.

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**Satellite and TV Distribution plus optional VCR or DVR connection**

If a DVR or VCR is wanted in the main room, connect your UHF aerial downlead to the **ANTENNA IN (ANT IN, UHF IN)** input on your DVR/VCR. Connect the **DVR/VCR RF OUT** to the satellite receiver **ANTENNA IN** using an aerial flylead then connect the DVR/VCR Scart/HDMI out to the satellite receiver Scart/HDMI in.

If a DVR or VCR is wanted in remote rooms, it should be connected between the SLx link and the TV.

If a separate Freeview™ set top box is present the DVR/VCR should be connected between the Freeview™ box and the 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

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).