

# SLX FREESAT™ 4 Room Extension Kit

28224R

## SET-UP GUIDE

Everything you need to send a Freesat™ signal from an existing satellite dish to up to 3 additional Freesat™ receivers. Quad LNB replaces existing Freesat™ single LNB on your existing dish and provides Freesat™ signals to both your original and up to 3 additional Freesat™ receivers. Please note you do need to purchase additional Freesat™/ Free-to-Air receivers for each room.

### GENERAL SAFETY The risk of accidents can be greatly reduced by planning before starting a project.

Before starting installation check structure is sound and check for hidden electrical wiring or plumbing.

- When working on an installation outside, beware of overhead power lines.
- Observe safe working practices.
- Before making any connections switch electricity off at the mains.
- Always follow manufacturer's operating and safety instructions before using tools and/or equipment.
- Only carry out work outdoors at height if you are competent in the use of ladders and related access equipment.
- Always read and follow the manufacturer's instruction label affixed to the ladder.
- To avoid injury always route cables or wiring carefully. Ensure cable is correctly routed before fixing into position, taking care not to over tighten cable clips.
- This product may contain small parts - keep out of reach of children.
- After installation make regular maintenance checks for wear and tear.

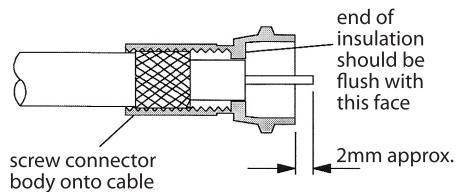
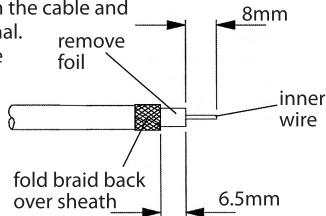
**1) Replace LNB:** Disconnect the download from your existing LNB (to unscrew the F connector you may need to slide a weatherboot down the cable or strip off any existing amalgamating tape first) then temporarily tape the end of the download to the LNB arm while you replace the LNB. Make a note of the exact position of the original LNB including the Polarisation angle (this is the angle at which the LNB needs to be set at in its mount). Undo the collar on the LNB bracket and replace the old LNB with the new quad LNB supplied making sure that the alignment is exactly the same as that of the original LNB. Then reconnect your original download to any of the sockets on the new LNB (replace weather boot if present otherwise seal with new amalgamating tape - not supplied).

### Loosen LNB Collar Screws



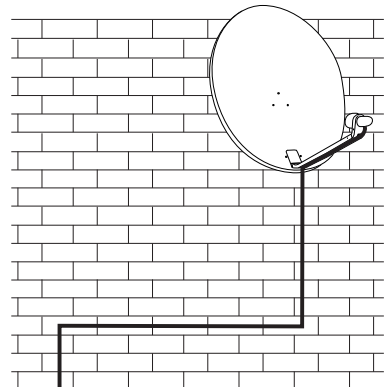
**2) Prepare Digital Coax Cable:** Fitting the F connector: Strip the end of the cable as shown below. Once you have stripped the cable, twist the braid and pull it back on itself, make sure that no braid is touching the copper core, this will cause a short on the cable and you will not get any signal.

Now, simply twist on the 'F' connector and connect to the LNB. It is strongly recommended that the F connection to the LNB is weather proofed, for the best seal use self-amalgamating tape (not supplied).



**3) Run Cable Down the Wall:** Once you have installed the new LNB you need to run the cable to the room in which your new receiver is going to be installed. Start at the top and work down, you should clip the cable every 50cm, always run the cable horizontally or vertically, never diagonally across a wall.

**4) Connect Cable to Satellite Receiver:** The cable can be run into the room by drilling a hole in through the window frame or the wall. You will need to choose a suitable position for the surface satellite outlet supplied, ideally on a wooden surface such as a skirting board, close enough to your satellite receiver to make a connection using the F flylead supplied.



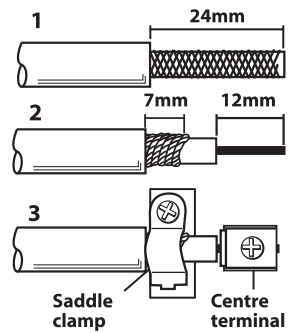
### 5) Wiring Satellite Surface Outlets:

- Strip 24mm of the outer sheath, pull back braid and tear off or cut off foil.
- Twist braid together and wrap around inner insulation as shown, strip 12mm from inner insulation to expose central conductor.
- 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.
- Secure the outlet to a wooden surface using two suitable screws (not supplied)

Repeat the above procedures for additional outlets.

**6) Connect Satellite Receiver and TV:** Use the F flyleads supplied to connect the surface outlets to your Freesat™ receivers. Connect each receiver to a TV using a SCART lead (not supplied) switch on receiver and TV and select the AV input on your TV.

**7) Receiver Setup:** Follow the instructions supplied with your receivers to complete your receiver setup.



### Troubleshooting

Problem	Probable Cause	Solution
Bad Picture Blocking/Pixilation	Polarization Angle Incorrect	Rotate the LNB in it's holder to improve the display, use the signal quality and strength displays on the satellite receiver to indicate best position
Bad Picture Blocking/Pixilation	Signal level too high	Fit an attenuator between the LNB and the receiver
No or Low Signal Level / Quality,Blocking/Pixilation	Dish has moved slightly off line from the satellite signal	Reset the azimuth (side to side movement) and/or Elevation (up and down movement) angles, use signal quality and strength displays on satellite receiver to indicate best position
No signal, picture or sound	Poor cable, LNB or receiver connections	Switch off the satellite receiver and then check all connections from LNB to satellte receiver and from receiver to TV
No Picture or sound	Satellite receiver is not powered	Check satellite receiver connection to mains socket and mains socket switch

Should you experience any difficulty in setting up your Freesat™ satellite receiver first contact the receivers' manufacturer (see receiver instruction manual)  
If they are unable to help call our Customer Care Line on 08457 573 479

To locate a CAI approved Satellite Installer in you area you can connect to the CAI website  
<http://cai.org.uk/asp/installer.asp>

Other useful websites: <http://www.liveonsat.com> <http://www.lyngsat.com>  
<http://www.satcodx.com> <http://www.dishpointer.com>

### Suggested list of useful tools not included:

Masonry drill and bit, adjustable wrench or spanners, crosshead screwdriver, spirit level, hammer and cable strippers.



### Kit Contents:

- Quad Digital Low Noise Block (LNB)
- 30 Metres of Digital Coaxial Cable
- Cable clips
- 3x F type connectors
- 3x F surface outlets
- 3x F leads

For further information, please contact

**Philex Customer Careline: 08457 573 479**

(Local rate – UK only)

**Technical Support: <http://technical.philex.com>**



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.