

SLx4B Aerial amplifier instruction manual

INTRODUCTION

The SLxB series amplifiers are designed to improve the picture and sound quality of TV and FM radio signals and distribute these to multiple locations around your home. The SLx2B can also be used to distribute a VCR, Digital Television and Sky™/ Sky+™ signal to four televisions around the home.

All SLxB amplifiers have an **integrated by-pass** designed to allow the user control digital Sky™ and Sky+™ receivers from any of the connected televisions using an infrared link device and a Sky™ or Sky+™ compatible remote control.

For added safety the SLx4B has **built-in short circuit protection** on each individual output. Should a short circuit be detected, the amplifier will only shut down the output with the short circuit; the other outputs will continue to function as normal.

The amplifiers are easy to install and fully automatic in operation, meaning that no user adjustment is required. The low running cost permits continuous operation.

With full instructions and wall mounting template, installing the SLx4B aerial amplifier is both quick and easy.

INSTALLING THE SLx4B AMPLIFIER

The SLx4B amplifier can be installed in either a room location or in a loft. Choose your installation position according to your personal preference. Please be aware that long runs of cable can become subject to interference so avoid unnecessary long lengths of cable.

METHOD 1

TV SIGNAL DISTRIBUTION

CONNECTION DIAGRAM

1. Connect your UHF aerial downlead to the **IN UHF** socket and connect your FM aerial downlead (if applicable) to the **IN FM** socket on the SLx4B.
2. Connect your TVs and FM tuners to any of the SLx4B **TV** sockets in any combination.

METHOD 2

TV/VCR DISTRIBUTION

CONNECTION DIAGRAM

1. Connect your UHF aerial downlead (typically via an aerial wall socket) to the aerial input on your VCR and connect your FM aerial downlead (if applicable) to the **IN FM** socket on the SLx4B.
2. Connect an aerial fly-lead from the aerial output on your VCR to the **IN UHF** socket on the SLx4B.
3. Connect your TVs and FM tuners to any of the SLx4B **TV** sockets in any combination.

Once connected, you can tune each television to traditional terrestrial channels and a channel for VCR viewing.

If you want to connect independent VCRs in each location, connect using METHOD 1 but connect the SLx4B **TV** output/s to your VCR/s, then connect your VCR/s to your television/s.

METHOD 3

TV/VCR/SATELLITE DISTRIBUTION

CONNECTION DIAGRAM

This connection method will allow for infrared link devices to be installed one or more of the TV locations. These devices allow you to control your Sky™ or Sky+™ receiver from any TV location not having a clear line of sight of the receiver.

1. Connect your UHF aerial downlead to the aerial input on the VCR and connect your FM aerial downlead (if applicable) to the **IN FM** socket on the SLx4B.
2. Connect an aerial fly-lead from the aerial output on the VCR to the aerial input on the satellite receiver.
3. Connect an aerial fly-lead from the RF2 output on the satellite receiver to the **IN UHF** socket on the SLx4B.
4. Connect your TVs and FM tuners to any of the SLx4B **TV** sockets in any combination.

Once connected, you can tune each television to traditional terrestrial channels, a channel for VCR viewing and a channel for satellite viewing.

Note. Only one satellite channel can be viewed at any one time without the use of additional satellite receivers and subscriptions.

Note. It may be necessary to retune your VCR when used with a satellite receiver. Please consult your VCR owners manual for details.

METHOD 4

TV/VCR/DTT (DIGITAL TERRESTRIAL TELEVISION) DISTRIBUTION

CONNECTION DIAGRAM

1. Connect your UHF aerial downlead to the aerial input on the DTT receiver and connect your FM aerial downlead (if applicable) to the **IN FM** socket on the SLx4B.
2. Connect an aerial fly-lead from the aerial output on your DTT receiver to the aerial input on your VCR.
3. Connect an aerial fly-lead from the aerial output on your VCR to the **IN UHF** socket on the SLx4B.
4. Connect your TVs and FM tuners to any of the SLx4B **TV** sockets in any combination.

Once connected, you can tune each television to traditional terrestrial channels, a channel for VCR viewing and a channel for DTT viewing.

If you are receiving poor DTT reception then connect the SLx4B amplifier before your DTT receiver to boost the signal strength. In most cases, poor DTT reception can only be cured by acquiring a suitable aerial (see troubleshooting) or waiting until DTT coverage improves in your area.

Note. Only one DTT channel can be viewed at any one time without the use of additional DTT receivers.

TROUBLESHOOTING

If you are still experiencing reception problems after installing the SLx4B amplifier, please refer to the below troubleshooting guide:

No picture or sound

No signal is reaching your television due to a possible break in the aerial signal path. Ensure that all equipment has been switched on (including the SLx4B amplifier) and that all coaxial connectors have been fitted correctly.

Snowy picture

Your signal strength is too weak. You may have to use a masthead aerial amplifier improve the signal quality from the UHF aerial downlead. Also ensure that your aerial is positioned correctly (pointing at your local TV transmitter). For details of your local television transmitters, visit www.bbc.co.uk/reception. Aging aerials become corroded by the weather, which may need to be replaced. Also check that the position of the aerial has not been misaligned by weather, birds, or loft activity.

'Herringbone' pattern

'Herringboning' is generally caused by too strong signal or possibly by local high power transmitters such as CB, amateur or taxi radios. Your TV sound may be affected as well as the picture. Use a signal attenuator (available from your local electrical retailer) to reduce the gain of your aerial signal and improve your picture. If you are located very close to your local television transmitter, point your aerial at an alternative transmitter in order to receive a more suitable level signal.

Problems with DTT

Unlike analogue terrestrial television, it is not possible to view DTT channel under weak signal strength conditions. Therefore, typically you will either receive DTT channels with a clear picture and sound or you will not receive any channels at all.

Sometimes, an insufficient digital signal can cause occasional blocking, freezing or complete loss of picture. Some roof aerials may not be suitable for digital terrestrial television. Ensure that you have fitted a suitable wideband, high gain aerial to help improve signal quality to a suitable level for clear DTT reception

Blocking, freezing or complete loss of picture can also occur when a digital signal is too strong, If your signal is too strong then connect your DTT receiver directly to the UHF aerial downlead, then connect the SLx4B amplifier to your DTT receiver output followed by your remaining equipment. If the signal is still too strong, fit a signal attenuator between the aerial downlead and DTT receiver to help reduce the signal strength.

For specific help with digital terrestrial television reception problems, visit www.dtg.org.uk

Problems with satellite television

If you are experiencing any problems with your satellite television picture, check that all cables and connectors have been fitted correctly. If the problem persists it is probably due to the dish alignment or a temporary problem with the channel transmissions. Please contact your local satellite dealer if the problem persists.

Technical Support

If you are experiencing problems setting up your SLx4B amplifier, or have any questions regarding this product or any other product within the Philex range, please call the Philex Customer Care Line on 08457 573 479 (UK only). Calls are charged at local rate. Mobile call charges may vary, please contact your network provider for details.

Alternatively, please visit our technical website at <http://technical.philex.com>

TECHNICAL SPECIFICATIONS

Inputs	2
Outputs	4
Frequency range	UHF 470 - 862MHz VHF 47 - 230MHz
Max output level	90dB μ V
Gain	6dB per split

Noise	4dB
Isolation loss	22dB
Weight	550g
Dims (w x d x h)	178 x 85 x 46mm