

## Introduction

### *Special features include:*

- 4G Ready - built-in filter removes interference and channel loss caused by 4G mobile phone signals
- Dedicated inputs for UHF and FM/DAB
- Side mounted terminals provide easy cable management

The SLx range of aerial amplifiers from Philex is designed to improve picture and sound quality by amplifying weak UHF, VHF and FM/DAB radio signals and distributing the signal to multiple locations around the home. The SLx4 can also be used to distribute Digital Television and Sky™/ Sky+™ signals around the home.

***Please Note: To view output from the satellite RF2 output you will need a TV with an analogue tuner. The SLx4 is not equipped with a digital bypass and is not compatible with infra red extenders/ links which control Sky™ boxes from other rooms. (Bypass kits are available - sold separately).***

The SLx4 also features built-in full line powering which can be used to provide power to masthead amplifiers.

Designed with style, sophistication and value in mind, the SLx range is the preferred choice for both the professional aerial installer and the home user wanting to get the very best performance from their AV equipment.

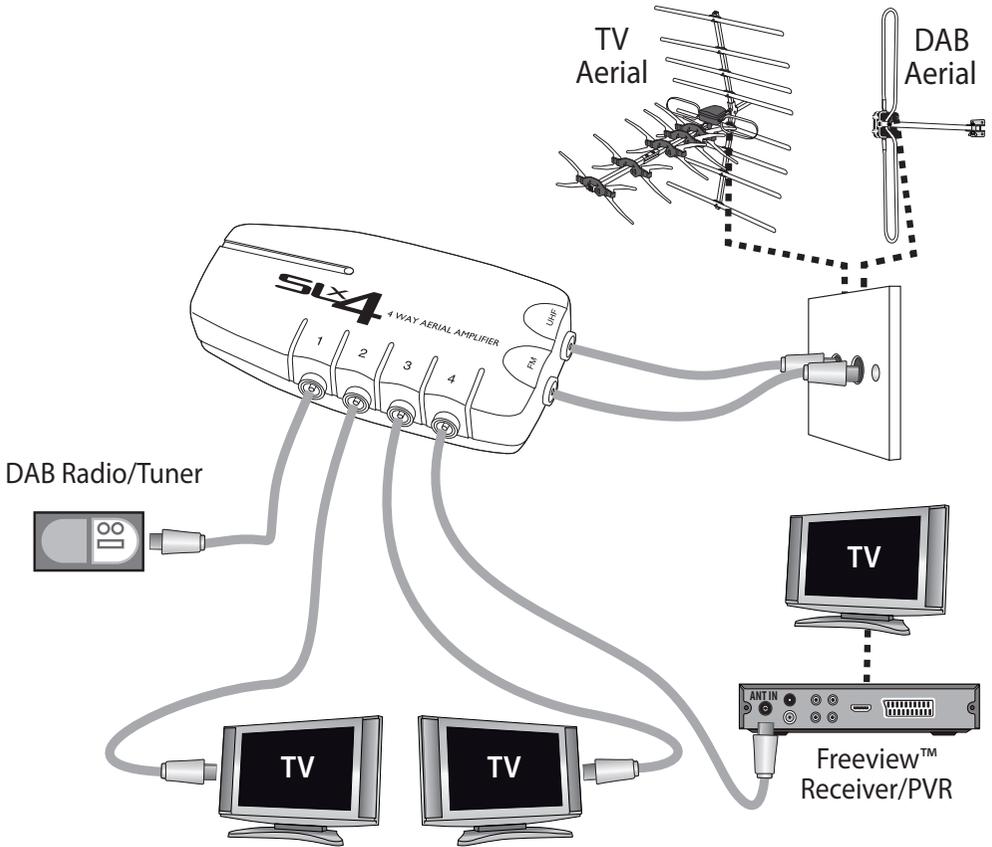
With full instructions and wall mounting template, installing the SLx4 aerial amplifier is both quick and easy.



# Installing your amplifier

## Aerial signal distribution

1. Connect your UHF aerial downlead to the **IN UHF** socket and connect your FM/DAB aerial downlead (if applicable) to the **IN FM** socket on the amplifier.
2. Connect your TVs and FM tuners to any of the **SLx4 TV** sockets in any combination. If your TV does not have a built-in Freeview™ receiver you will need to connect your TV to the amplifier via a Freeview™ set top box.



Note: Leads shown  
are not Supplied

TVs with built-in  
Freeview™ Receivers

# Amplifier features

## Line Powering

The SLx4 has built-in full line powering which can be used to provide power to masthead amplifiers. When connected to a masthead amplifier, the SLx4 will send the required power out of the **IN UHF** socket up to the masthead amplifier (up to 25mA). Please see your masthead amplifier operating instructions for more details.

It is important to ensure that there is no equipment between the **IN UHF** socket and the masthead amplifier output socket in order to provide a non-interrupted 12V power supply to the masthead amplifier. When connected after any equipment, the amplifier will automatically detect that no masthead amplifier is present and so will not output 12V.

## Short circuit protection

For added safety the SLx4 has **built-in short circuit protection**. Should a short circuit be detected, the amplifier will shut down in order to prevent any possible damage. Should this occur, all outputs will be switched off but the power LED will remain lit.

To reset the system following a short circuit, simply remove all outputs and inputs, switch off the amplifier and remove the power cable from its socket for approx 30 seconds. You should then reconnect the amplifier outputs one by one until you can find which output is causing the short circuit.

# Specifications

Inputs	Outputs	UHF Freq.	VHF Freq.	Max output	Gain per port (VHF) UHF	Noise	Isolation Loss	Weight	Dim. mm
2	4	470-790MHz	30-300MHz	90dB $\mu$ V	(9dB) 12dB	3.5dB	23dB	518g	178 x 85 x 46

## Troubleshooting

If you are experience reception problems after installing your SLx4, please see below:

### 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 SLx4 amplifier) and that all coaxial connectors have been fitted correctly.

### Problems with Digital TV Reception

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.

A weak digital signal can cause occasional blocking, freezing or complete loss of picture. Ensure that your aerial is a wideband, high gain aerial suitable for DTT reception. Blocking, freezing or complete loss of picture can also occur when the signal is too strong.

If the signal is still too strong, fit a signal attenuator between the aerial download and DTT receiver to reduce the signal strength.

For specific help with digital TV reception problems, visit [www.dtg.org.uk](http://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.

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## Technical Support

If you experience problems setting up your amplifier, please call the Philex Customer Care Line: **08457 573 479** - (Local Rate UK only).

Alternatively, please visit our technical website at [www.philex.com/support](http://www.philex.com/support)



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



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## Wall Mounting Drilling Template

