



1/2/4/6 Way Compact Signal Boosters

27811V / 27812V
27813V
User Guide



4G & 5G
filter

Introduction

Congratulations on the purchase of your new Compact SLX Booster. The ultra compact housings and power supplies are designed to blend discreetly into your home environment.

The SLX Compact Boosters benefit from a number of features which assist with high quality distribution of your TV or Radio Signals around your home such as:

- Improved gain flatness to deliver a better balance across the performance range
- Lower noise figures for optimum picture and sound quality
- Greater signal handling capacity to cope with more channels
- 4G and 5G Filtering to provide a typical 40dB protection from 4G/5G mobile phone signals reducing interference
- Coaxial connections to fit the standard plugs on aerial leads

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

If you have any queries please get in touch with our technical department at

www.slxtechnology.com/support

Additional Features

All SLX aerial boosters comply with RED
(The Radio Equipment Directive 2014/53/EU).

General Safety Precautions

To Prevent Overheating

The recommended clearances and other precautions given in these instructions must be observed to prevent overheating. In addition, units should not be positioned where they are likely to become covered by curtains, fabric or insulating material. The amp should not be left resting on a carpet or any other fabric surface.

Other precautions

These appliances are not waterproof, they are intended for indoor use only and must not be positioned where they could be exposed to dripping or splashing water. Objects containing liquids should not be placed on or near the booster.



To prevent fire, make sure the unit and attached cabling is installed well away from naked flames and other heat sources.

Mains Plug

Your booster is supplied with a standard mains plug already fitted, if you need to change the plug use a competent professional (ELECSA or NICEIC) to make the connection.

If you need to change the fuse use a 3 Amp fuse to BS1362 carrying the ASTA or BSI approved mark and refit the plastic fuse carrier.

Specifications

Booster	In	Out	Frequency	Suitable for	Max Gain	Noise	Isolation Out/Out	Max Output	Typ. 4G Protection
27811V	1	1	88-694MHz	FM/DAB/ TV Ch 21-48 Freeview	20dB	<2dB	N/A	98dB μ V	>40dB
27812V	1	2	88-694MHz	FM/DAB/ TV Ch 21-48 Freeview	16dB	<2dB	18dB	97dB μ V	>40dB
27813V	1	4	88-694MHz	FM/DAB/ TV Ch 21-48 Freeview	11dB	<2dB	18dB	96dB μ V	>40dB

Philex reserve the right to modify their designs or specifications. In the light of future developments, without prior notice. Performance figures quoted are typical and subject to normal manufacturing and service tolerances.

Before Installing Please Note

Applications

SLx Boosters incorporate a Class 1 filter to reduce 4G and 5G interference and are suitable for digital TV signals Ch21-48 (470-694MHz) however if you wish to receive TV on Ch60 you should use a Digilink SLx Booster with IR Bypass. Which may need a 4G/5G filter if you are affected by 4G or 5G interference.

Installation

Important note: attention is drawn to the General Safety Precautions Panel above which contains advice on safe installation and operation of these products.

Location

Choose a location for the booster from which it is convenient to run cables from the antennas and to the system outlets. Typical examples of suitable locations are a loft space or a cupboard. In weak signal areas it is best to keep the aerial cables as short as possible.

Select a cool, dry location to install the booster. This means a location where the ambient temperature will remain between -10°C and +40°C, and which is free from risk of dripping or splashing water.

The fixing location should allow adequate access to the equipment for wiring and maintenance. Clearance of at least 25mm should be allowed around the left hand side and top of the unit for ventilation. More clearance will be needed on the other sides to allow access for cables.

Fixing

The booster should be fixed to a wall or other suitable hard surface using the keyhole slots on the back of the housing and suitable screws and wall plugs, a template is provided on page 4.

The booster should not be left supported by its own wiring, nor should it be left resting on a carpet or other insulating and/or flammable surfaces.

Signal Connections

Input and output signal connections are made using IEC coax connectors. Good quality plugs and digital quality double screened coaxial cable should be used to ensure optimum performance from your booster.

Installing your Booster

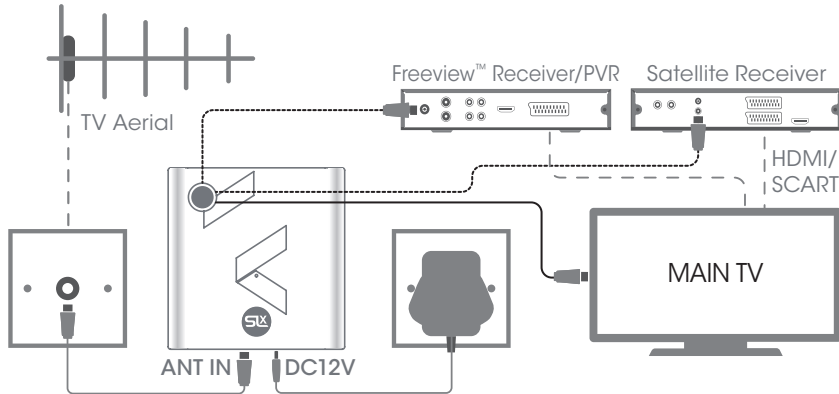
Aerial signal distribution:

1. Connect your TV aerial* downlead to the "ANT IN" socket and connect the power supply jack to the "DC12V" socket .
2. Connect your TVs/Freeview receivers/ satellite receivers to any of your booster's TV sockets (located on the top of the booster) in any combination.
3. Plug the power supply into a mains wall socket and switch on.

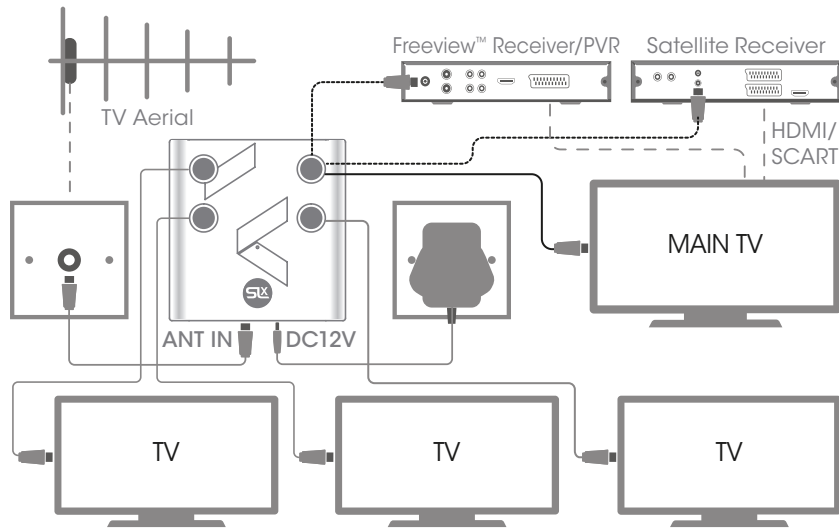
PLEASE NOTE: If your TV does not have a built-in Freeview™ receiver you will need to connect your TV to the booster via a Freeview™ receiver or PVR.

*The boosters can also be used to amplify FM/DAB radio signals

Aerial signal distribution to a single TV, Freeview receiver, PVR or satellite receiver, choose one of the three connection options shown in black:



Aerial signal distribution to multiple TVs, receivers:



Troubleshooting

If you experience reception problems after installing your SLx booster, please see below:

No picture or sound

Is the signal reaching your TV? Check:

- Everything, including the booster is plugged in and switched on
- Coaxial connections are correctly made (no braid or foil is touching the inner core)

Picture or sound breaking up


- Use a UHF aerial suitable for your area, ideally fitted outdoors

- Use good quality coax cable, poorly screened cable can pick up noise

- In some cases too much signal can cause signal break-up to you can solve this by fitting an attenuator to the booster input

For specific help with digital TV reception problems, visit www.digitaluk.co.uk or www.bbc.co.uk/reception/problems-freeview-reception/#/Freeview

ErP/EuP directive No. (EU) 2019(1782) for Power Supply

Manufacturer, Address, Trademark Registration	Philex Electronic Ltd. London Road, Bedford, United Kingdom. Registration No. 339123	
Model identifier	KA0601-1200500BSU, KA0601-1200500EUU	
Input voltage	100-240V	
Input AC frequency	50/60Hz	
Output voltage	12VDC	
Output current	500mA	
Output power	6W	
Average active efficiency	79.2 %	
Efficiency at low load (10 %)	N/A	
No-load power consumption	0.08W	



Standard: EN 303 354
Product Type: D Signal Distribution Amplifier
Filter Class: 1 Mitigates 4G/5G interference

Suitable for digital TV signal distribution
Ch21-48 in the UK and EIRE.

Declaration of Conformity

Hereby, Philex declares that this booster / amplifier for TV broadcast reception in domestic premises is in compliance with the Radio Equipment Directive 2014/53/EU. The full Declaration of Conformity is available by contacting the following internet address: www.slxtechnology.com/DoC



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.

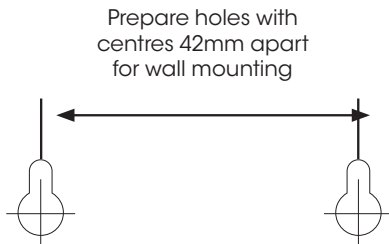


Technical Support

If you experience problems setting up your aerial, please visit our technical website at www.slxtechnology.com/support to send us a message or **chat live** during office hours.

UK Distributor:
Philex Electronic Ltd.,
Kingfisher Wharf,
London Road, Bedford,
MK42 0NX, United Kingdom.

Wall Mount Drilling Template



EU Distributor:
Philex Electronic Ireland Ltd.,
Robwyn House, Corrintra,
Castleblayney, Co. Monaghan,
A75 YX76, Ireland

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