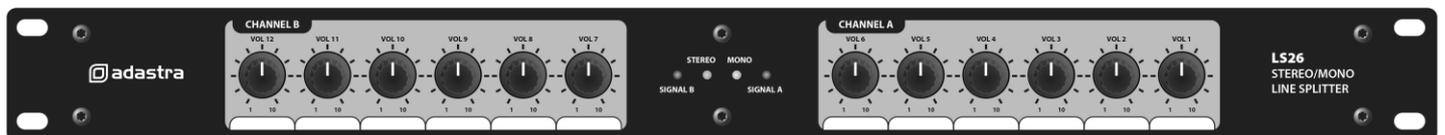


# LS26

Line Splitter 1:12 / 2:6

Item ref: 953.022UK

User Manual



Version 2.0

Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## Introduction

Thank you for choosing the Adastra LS26 line splitter for your audio system. Please read this manual to gain the best results from your product and avoid damage through misuse.

### SAFETY SYMBOL AND MESSAGE CONVENTIONS

	<b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	<b>AVIS</b> <b>RISQUE DE CHOC</b> <b>ELECTRIQUE NE PAS</b> <b>OUVRIR</b>	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">  <b>This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit</b> </div> <div style="border: 1px solid black; padding: 5px;">  <b>This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.</b> </div>			

## Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture. If liquids enter the housing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case.

No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

## Safety

- This product is powered directly from the mains supply and should only be fitted by a qualified electrical installer.

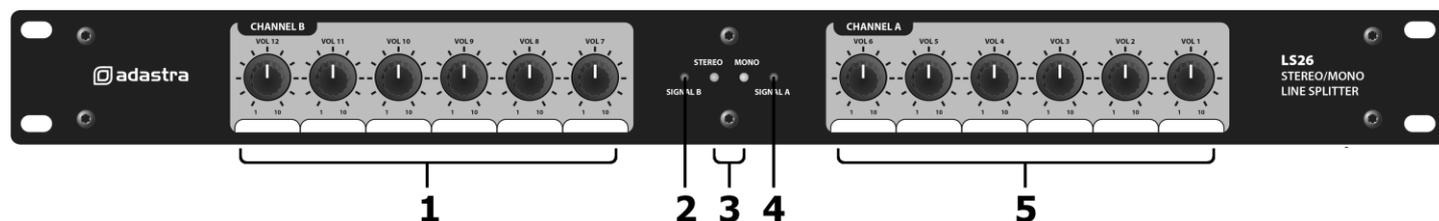
## Placement

- The LS26 is designed to be installed free-standing or in a standard 19" rack.
- Ensure that no heavy items are placed on top of the LS26, which may cause damage to the unit.

## Cleaning

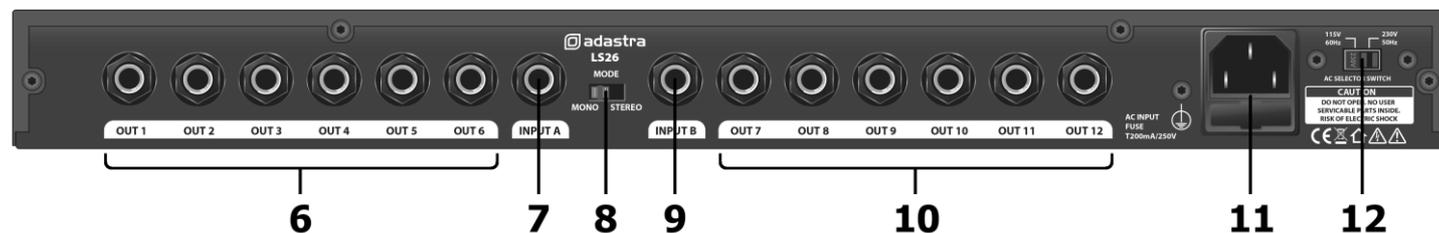
- Use a soft cloth with a neutral detergent to clean the housing as required.
- Do not use solvents for cleaning the unit.

## Front Panel



1. CHANNEL B volume controls (7 – 12)
2. SIGNAL B input clip indicator
3. MONO / STEREO mode indicators
4. SIGNAL A input clip indicator
5. CHANNEL A volume controls (1 – 6)

## Rear Panel



6. CHANNEL A outputs 1 – 6 (6.3mm jack)
7. INPUT A (6.3mm jack)
8. MONO / STEREO mode switch
9. INPUT B (6.3mm jack)
10. CHANNEL B outputs 7 – 12 (6.3mm jack)
11. IEC mains inlet & fuse
12. Mains voltage selector

## Applications

The LS26 is a signal distribution tool which can be used to split either 2 mono signals into 6 copies of each – or – a single mono signal into 12 copies of the original. These are boosted back up to line level and each given a volume control.

Applications for this function include...

- Zone level control for a venue with many rooms fed from the same stereo sound source (12 rooms for mono or 6 for stereo)
- Multi-amplifier signal distribution where amplifiers have no signal-through facility.
- Speech distribution to headphone amplifiers for interpreters/transcribers in conference situations.
- Multi-level parallel processing in a studio scenario – where several copies of the original are sent to various signal processors.

## Connection

All connections are via unbalanced 6.3mm mono jack and operate at line level (0.775Vrms @ 0dB).

Use good quality screened jack leads to connect the input signal to INPUT A and INPUT B (use only INPUT A if splitting a single mono signal to 12 outputs). Connect each output to the respective amplifier (or processor) input, again using good quality screened jack leads.

With amplifiers turned down, connect mains (ensuring correct supply voltage is selected) using the supplier IEC mains lead.

## Operation

Keep amplifier volume levels turned down. Select the mode – STEREO into 6 pairs of outputs or MONO into 12 outputs – on the MODE selector switch at the rear.

Check input signal(s) for gain level by playing the sound source into the LS26. If the CLIP indicators light up, reduce the output level of the signal source until the clipping is eliminated.

Bring the amplifier levels back up to the maximum required level (usually full power) for the speaker(s) being driven.

Control each OUTPUT via the level controls on the LS26 front panel accordingly. After use, turn amplifiers down before switching off power to the LS26 to avoid loud noises through speakers.

## Specifications

Power supply	115/230Vac 50/60Hz - selectable (IEC)
Inputs	A & B, (6.3mm jack)
Outputs	1 - 6 & 7 - 12 (6.3mm jack)
Input impedance	20kohm
Output impedance	220ohms
Frequency response	20Hz - 20kHz, +0/-1dB
Signal to noise ratio	>95dB
THD	<0.008%
Dimensions	483 x 44 x 170mm
Weight	2.0kg



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

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