

# CITRONIC®

## Line Splitter

LS26

953.022

## User Manual



### Features:

- Switchable 2 x 6 or 1 x 12 outputs
- Independent volume control per output
- Dual input signal clip indicators
- 19" rack-mount case 1U

## Introduction:

Thank you for choosing this Citronic line splitter. The LS26 provides a reliable and comprehensive solution for line signal distribution. In order to achieve the best results from this equipment and avoid damage through misuse, please read and follow these instructions and retain for future reference.

## Warning:

To prevent the risk of fire or electric shock, do not expose any part of the unit to rain or moisture.

If liquids are spilled on the surface, 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 unit.

There are no user serviceable parts inside the line splitter – refer all servicing to qualified service personnel.

## Safety

- Check that the supplied mains lead is in good condition and the supply voltage is correct.
- Ensure signal leads are of good condition and connected to appropriate inputs/outputs
- Do not allow any foreign particles to enter the unit through control or connector apertures

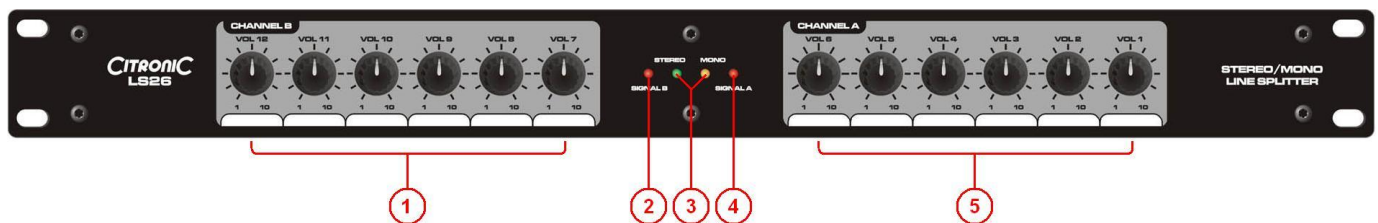
## Placement

- Keep out of direct sunlight and away from heat sources.
- Keep away from damp or dusty environments.
- When rack-mounting, avoid placing heavy units above the unit and ensure all connectors and controls are accessible

## Cleaning

- Use a soft cloth with a neutral detergent to clean the casing as required
- Use a soft brush to clear debris from the control surface
- Do not use strong 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 B 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. 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. 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 required 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.

<b>SPECIFICATIONS</b>	
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, +/-1dB
Signal to noise ratio	>95dB
THD	<0.008%
Dimensions	483 x 44 x 170mm
Weight	2.0kg

<b>TROUBLESHOOTING</b>	
No function and Power switch LED is not lit	Ensure mains voltage is correct (check selector) and connected properly Ensure mains outlet switch is on
Power is on but no audio output	Check all jack leads are OK and connected properly
	Check that OUTPUT controls are not turned fully down
	Check that inputs and outputs are connected the correct way around
	Make sure input is connected to INPUT A in MONO mode
	Check both inputs are present in STEREO mode
Distorted output	Reduce level of input source
	Reduce OUTPUT level controls
	Check that output is not fed to low impedance inputs in error
Output is very low level	Ensure input source is line level (0.775Vrms)
	Increase OUTPUT level control(s)
	Increase signal source level

Note: for further troubleshooting, refer equipment to qualified service personnel for testing