

# WPL-26 Line Switcher



## WPL-26 Line Switcher

# OPERATING MANUAL AND USER GUIDE



[www.wharfedalepro.com](http://www.wharfedalepro.com)

## IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

1. **READ ALL INSTRUCTIONS** carefully and become familiar with the features and functions of these products before operating them.
2. **RETAIN THESE INSTRUCTIONS** for future reference.
3. **COMPLY WITH ALL WARNINGS** – All warnings and instructions for this product should be adhered to.
4. **USE WITH MIXERS & AMPLIFIERS** – In order to avoid damage to drivers and other equipment, it is advisable to establish and follow a routine for powering up and powering down a sound system. With all system components connected, turn on source equipment (mixers, signal processors, record and playback units, etc.) **BEFORE** powering up amplifiers. Transient voltages from powering up source equipment can damage loudspeakers if amplifiers are already turned on. Make sure that amplifier volumes are set to their minimum settings and power up any system amplifiers **LAST**. It is recommended that all system components be allowed to stabilize for several seconds before any source signals are introduced or level setting adjustments are made. Similarly, when shutting systems down, turn all amplifiers off first, before powering down any other system components.
5. **CABLES** – Do not use shielded line/instrument or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.
6. **CAUTION** – Professional sound systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive volume levels. Permanent hearing damage can result when operated to extreme levels.
7. **SERVICE** – There are no user serviceable parts inside this product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.

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## INTRODUCTION

The Wharfedale WPL-26 signal switch is the result of many years of experience in the use, design and manufacture of professional audio products. We take great pride in engineering and building every Wharfedale product and wish to thank you for entrusting us with your sound.

Please take a few minutes to read this manual completely in order to ensure that you get the most out of your WPL-26.

## WPL-26 OVERVIEW:

The WPL-26 Signal switch is designed to make your speaker demonstration or monitor comparison easy and effective. It is designed to provide quiet and fast switching from source signal to the line level outputs.

## ABOUT THE WPL-26

The WPL-26 is a high quality line level router designed to quickly and reliably direct a choice of source material to a specified line level location. Designed for use in a variety of environments from showroom to studio the WPL-26 is extremely simple to setup and use.

A choice of two stereo inputs can be routed to any of the 6 stereo outputs. A front panel switch can be used to route a mono signal (Left channel only) to any of the stereo outputs, in addition there is a front panel MUTE switch.

## FEATURES

- ❖ High quality 2 x 6 signal switch
- ❖ Easy to use front panel controls:
  - o Power On/off
  - o Input channel selector switch (A/B)
  - o Output channel switches (1-6)
  - o Mute button
- ❖ High speed solid state signal switching
- ❖ High quality connectors (1/4" / 6.35mm)
- ❖ IR Remote control
- ❖ IR receiver with 6m cable

## CONNECTIONS/ WIRING

Using the WPL-26 is easy. You simply plug in your signal cables from your mixer, CD/DVD/MP3 player, iPod or other source to the Channel (A or B) inputs and your line level signal cables to each amplifier via outputs 1 – 6.

**PLEASE NOTE: YOU WILL NEED AN AMPLIFIER FOR EACH OUTPUT OF THE WPL-26 WHEN USING PASSIVE SPEAKERS, ACTIVE SPEAKERS CAN BE CONNECTED DIRECTLY TO THE WPL-26. DO NOT CONNECT PASSIVE LOUDSPEAKERS DIRECTLY TO THE WPL-26, THE IMPEDANCE MISMATCH CAN DESTROY THE OUTPUT STAGE OF THE WPL-26. THIS WILL INVALIDATE THE WARRANTY AND REQUIRE REPAIR TO THE UNIT.**

To create a fair and useful comparison between sets of speakers it is important to apply correct gain structure. Please use the procedure below to ensure that all amplifiers have equal output levels. Make sure that you are using suitable cables as an unbalanced cable will drop the signal level by 6dB when compared to a balanced cable.

### SETUP

- Start with all volume and gain controls set to minimum
- Start your source material
- Raise the volume of your sources to an optimum level
- If using two sources balance the output levels of each unit
- Raise the output levels of each amplifier so that they are equal in output

Using a test tone (For example a 1000Hz sine wave) can help you to set the levels correctly as the human ear finds it easier to evaluate the volume of a test tone compared to musical material.

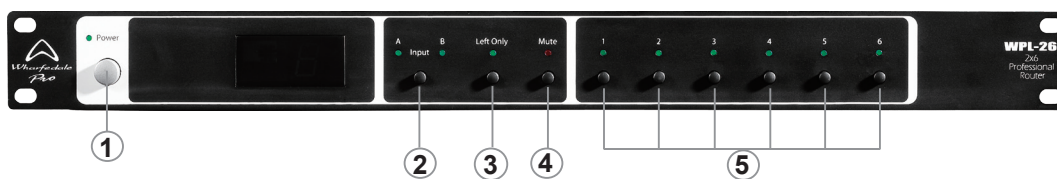
Take extra care when setting the levels of amplifiers and speakers with different impedances, as lower impedance speakers can be much louder when used with similar amplifier settings.

### IR REMOTE SETUP

In many showroom environments the electronics rack may be out of the line of sight of the demonstration area, creating a situation where it can be problematic to change the speaker selection. The WPL-26 comes complete with a wireless IR remote control and a receiver with a 6m cable.

Place the IR receiver in the demonstration area, ideally near to the speakers that will be used in the demonstration, and route the cable to the input on the back of the WPL-26. With this simple setup you no longer have to leave the demonstration area to switch to a different set of speakers.

## WPL-26 front panel



1. Power switch
2. A or B input switch: Choose your source material for your demo.
3. Left Channel only switch: If you only want to hear the Left channel of your program material, press this switch.
4. Mute switch: Cuts off the signal to the amplifiers
5. Channels 1 – 6 on/off switches: Send the program material to where you want it by pressing these switches.

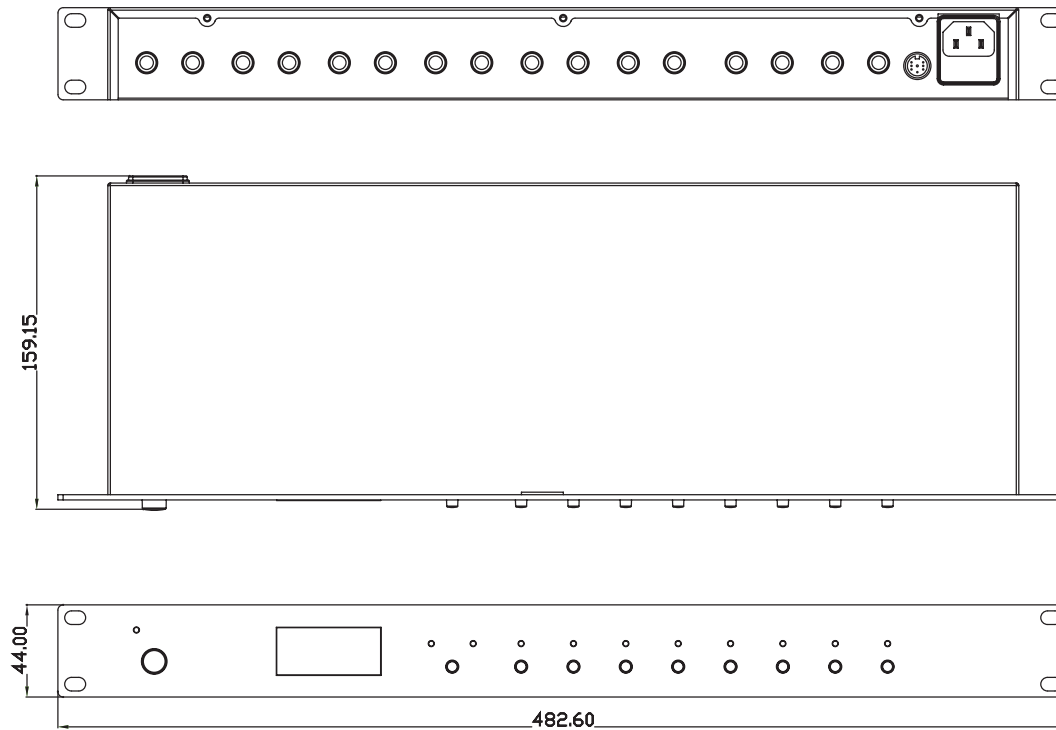
## WPL-26 rear panel



- 1 Output channels 1-6: these balanced/unbalanced outputs are used to connect the WPL-26 to your amplifiers or powered speakers. You will need an amplifier channel for each output of the WPL-26.
- 2 Inputs A & B: Connect your source material for convenient A/B comparison.
- 3 Remote Control jack: Connect the WPL-26 IR multi pin cable for remote control of the WPL-26. Place the receiver in a place where the transmitter can be easily be pointed at it.
- 4 AC mains jack: 90 – 250VAC power cord jack.



## DIMENSIONAL DRAWINGS



## SPECIFICATIONS

NO	ITEM	NORMAL
1	NOISE	-75 dBu
2	THD+N @ 1KHz (reference: 1V)	UNBAL OUTPUT 1V 0.008% BAL OUTPUT 2V 0.02%
3	PHASE@ 1KHz (reference: 1V)	-2.5°
4	Crosstalk @ 1KHz	-76 dBu
5	Input Impedance	UNBAL 10Kohm BAL 20Kohm
6	Frequency response (20-20 kHz)	±0.3dB
7	POWER CONSUMPTION	10W

INPUT : 1KHZ

POWER SUPPLY : AC90V~240V

0 dBu=0.775V



## WHARFEDALE LIMITED WARRANTY

Wharfedale WPL-26 Line Switch is warranted of manufacturing or material defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorized Wharfedale dealer or distributor for information.

\*Be aware that warranty details may differ from country to country. Contact your dealers or distributor for information. These terms do not infringe your statutory rights



Wharfedale Professional

IAG HOUSE, Sovereign Court, Ermine Business Park Huntingdon, Cambs, PE29 6XU, England

[www.wharfedalepro.com](http://www.wharfedalepro.com)

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