

R07457

Power Amplifier

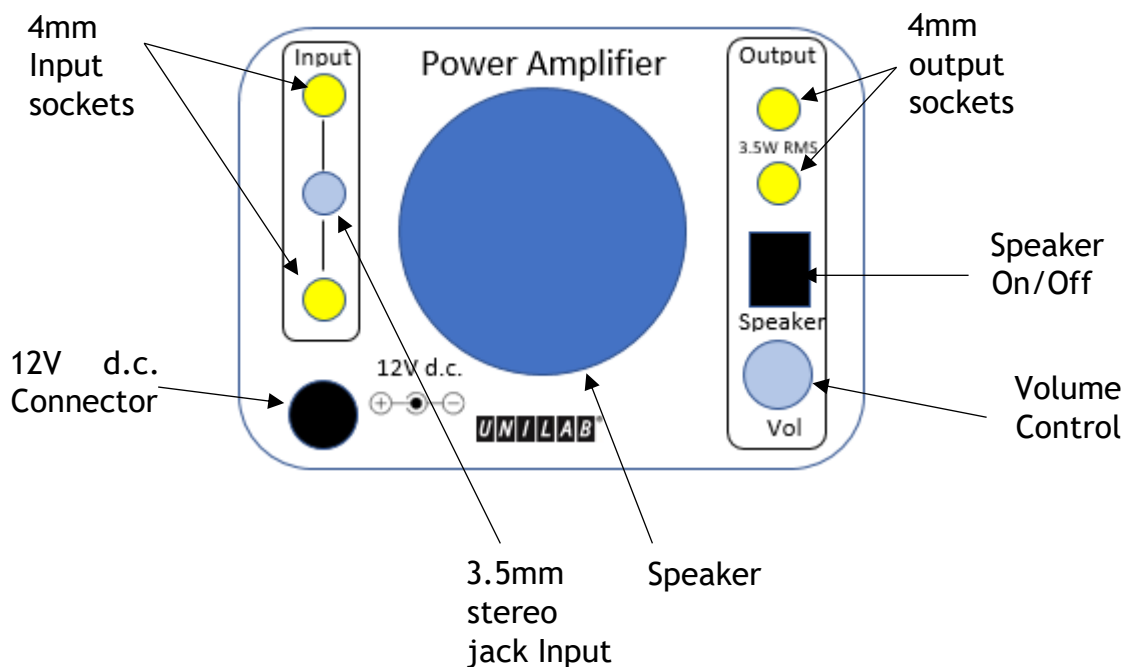
NFU909



Purpose

The Power Amplifier is a useful classroom resource that allows students to amplify and listen to a variety of audio sources ranging from microphones and audio devices with a 3.5mm headphone socket to signal generators equipped with 4mm socket outputs. The amplifier is particularly suitable for driving Vibration Generators and Rubens' tubes when a power signal generator is not available.

Apparatus Details



Specification

Output	3.5Wrms / 4ohm or 2Wrms / 8ohm
total harmonic distortion	0.05% (1W / 1kHz)
frequency response	20Hz to 20kHz (-3dB)
signal-to-noise ratio	86dB (A weighted)
input sensitivity	40mV / 150K ohm
supply voltage	12Vdc

Outputs

The outputs are overload and short-circuit protected. The built in 10W speaker can be switched off if required.

Operating Procedure

Select the most appropriate input connection, 4mm socket or 3.5mm Jack socket. Please note that the 3.5 mm Jack socket will convert any stereo input into a mono input to the amplifier and so can be safely connected to any stereo headphone socket on an audio device such as a phone, tablet or CD player. The 3.5mm jack is also suitable as a microphone input.

Turn the Vol control to minimum and connect the 12V d.c. power supply to the d.c. connector. Connect the audio input and adjust the volume control to achieve the desired output level. If required, the speaker can be switched off using the rocker switch provided. If the amplifier is being used to drive a vibration generator or a Rubens' tube, we recommend that the internal speaker is switched off so that the maximum power can be delivered to the output device.

The outputs are overload and short-circuit protected to prevent accidental damage to the amplifier.

Warnings

For your safety, this product should be used in accordance with these instructions, otherwise the protection provided may be impaired.

Use only the 12V d.c. power supply supplied with the Power Amplifier.

EMC

This equipment is Class A according to the EMC standard EN 55011 and is intended for use in a non-domestic environment only.

Do not open or remove covers or panels. Repairs and service may only be carried out by our repair agent, otherwise the warranty may be void.

Use only the 12V d.c. power supply supplied with the unit.

This unit is intended for use in DRY conditions. Avoid spillage of water and other liquids on to the unit. If spillage occurs, disconnect the mains supply.

Cleaning

The front panel may be wiped clean using a damp cloth. Be sure to disconnect the unit from the mains before cleaning, and do not use any abrasive cleaners or organic solvents.

Periodic testing

Check the power supply lead and plugs at both ends for any damage.

Disposal of Waste Electrical and Electronic Equipment (WEEE)



Do not dispose of this product with household waste

- For the proper treatment, recovery and recycling please take this product to an appropriate collection point.
- If you are unsure where this is, contact your Local Authority
- By disposing of this product correctly you will be providing positive help to the environment.

Warranty, repairs and spare parts

The Power Amplifier is guaranteed for a period of one year from the date of delivery to the customer. This warranty does not apply to defects resulting from the action of a user such as misuse, improper wiring, any operations outside of its specification, improper maintenance or repair, or unauthorized modification.

Our liability is limited to repair or replacement of the product. Any failure during the warranty period should be referred to Customer Services or techsupport@philipharris.co.uk

Instructions for authorized service technicians

Please refer to the detailed service procedures, safe servicing and continued safety – contact techsupport@philipharris.co.uk for advice.

Please refer to product specific risks that may affect service personnel, the protective measures and verification of the safe state after repair.

Supplier details

Philip Harris Education, 2 Gregory Street, Hyde, Cheshire, SK14 4TH

Orders and Information:

Tel: 0345 120 4521

Fax: 0800 138 8881

Repairs:

Tel: 01978 853555

E-mail : sales@techlabltd.co.uk

Technical Support:

E-mail: techsupport@unilab.co.uk

www.unilab.co.uk

© Philip Harris Education, 2017

