

# PULSE



## ACTIVE PRO SERIES WALL MOUNT SPEAKERS

**MODELS: LS03886 & LS03889**

**Please read these instructions carefully before use and retain for future reference.**

## **IMPORTANT SAFETY INFORMATION**

- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- Do not expose the unit to rain or moisture or liquids of any sort, as doing so may result in damage to the speaker or electric shock.
- There are no user serviceable parts in this appliance. Refer all servicing to qualified personnel.
- If the supply cord is damaged, it must be replaced by a qualified engineer in order to avoid injury or hazard.
- Do not operate the unit if you detect smoke or a strange smell coming from the unit.
- Do not install near heat sources such as radiators, heat registers, stoves, or other devices that produce heat.
- Install the speakers onto a wall that is sufficiently stable and structurally sound and can support the weight safely.
- Make sure that the volume control is set to the minimum position before switching on.
- Do not operate the unit for an extended period of time if the sound is distorting. This is a indication of a malfunction, which can cause heat to generate.
- If the unit is not in use for a long period of time, switch the power off and unplug the power supply.
- Before cleaning, switch off the power and unplug the power supply.

## **FEATURES**

- Three input options: 3.5mm Stereo Jack/ Phono Sockets/ Balanced Line Audio via Phoenix type connectors
- Supplied with wall brackets
- White or Black finish - blends with most decor
- Steel grille & ABS chassis
- Mono/Stereo operation
- Magnetically shielded for use near display monitors
- Stereo Class D amplifier
- Over temperature, overload, short circuit and clip protection
- 5" or 6" Mid Bass woofer
- 1.5" Tweeter
- The ACTIVEPRO series are designed to accept a range of audio inputs, and also features a Stereo/Parallel input switch. The system consists of two speakers, one passive unit and one active/powered unit complete with built-in stereo amplifier. The speakers are linked via standard 2-core speaker cable.

## PRODUCT OVERVIEW

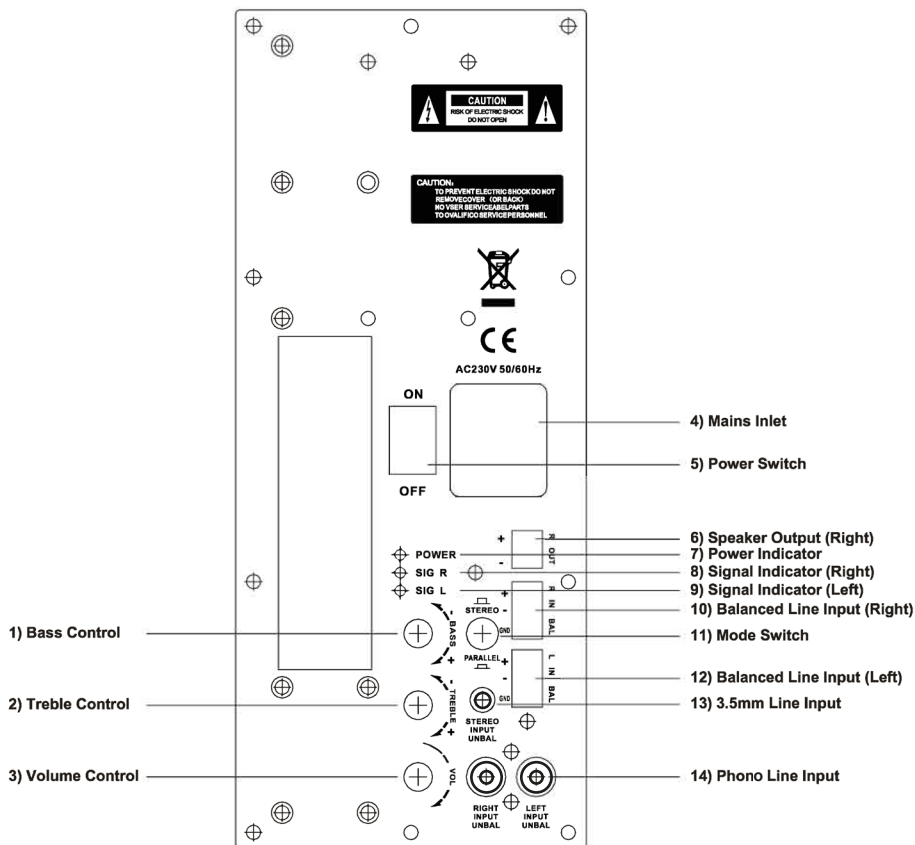
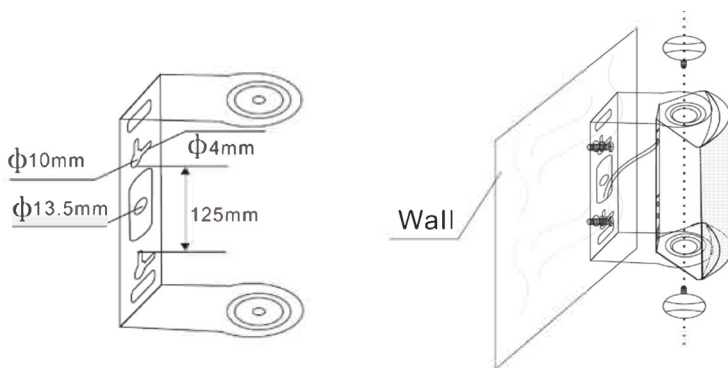


Figure 1 Rear Panel

## INSTALLATION

The speakers come complete with wall mount brackets. Care should be taken with any commercial use installation to comply with local guidelines and legislation from relevant local authorities. The fixing's and wall should be sufficient to support a 10:1 safety factor (ie 10x the static weight of the speaker).

- Remove the metal mounting bracket by unscrewing the hand wheels top and bottom of the cabinet.
- Offer the bracket to the wall and mark the wall. The bracket can either be attached via the two 10mm diameter holes or the central 13.5mm diameter hole.
- Drill holes and use wall plugs if required and fix the brackets to the wall with suitable screws taking care to use appropriate fixings for the weight of the speaker.
- Once the installation of the brackets has been completed the speakers can be re-attached to the brackets and the wiring connected. The hand wheels at both ends of the speaker should be tightened to prevent the speaker moving. If the installation is permanent a thread lock solution can be used to prevent movement.



**WARNING:** Use only the hand wheels provided to attach the speakers to the wall mounting brackets. The use of longer bolts may contact live internal circuitry and the danger of causing electric shock and damage to the speaker.

## OPERATION

### Refer to Fig 1 Rear Panel

#### 1. Bass Control

The bass control gives the installer the ability to cut or boost the bass (Lo) frequencies (centred at 80Hz). This function is useful for adjusting the sound to suit the room acoustics.

#### 2. Treble Control

The treble control gives the installer the ability to cut or boost the treble (Hi) frequencies (centred at 12.5kHz). This function is useful for adjusting the sound to suit the room acoustics.

#### 3. Volume Control

The volume control provides the installer or user control over the volume. Care should be taken when using the system with microphones, to avoid excessive volume as feedback can occur. The speakers are capable of generating noise levels sufficiently loud enough to damage hearing if used at high SPLs for long periods of time.

#### 4. Mains Inlet

The ACTIVEPRO speaker range are designed to be operated from a standard 230V AC 50Hz mains supply. The system is supplied with a fused 13A-IEC cord. Should the fuse require replacement please ensure a fuse is fitted of the same value as originally supplied.

#### 5. Power Switch

On/Off control for the system.

#### 6. Speaker Output

The system utilises one passive and one active (powered) speaker. Supplied with Phoenix type connections to allow the wiring to be produced at ground level and then simply plugged into the speakers. Care should be taken to observe the polarity ensuring the red wire is connected to the positive (+ve) terminal and the black wire connected to the negative (-ve). If the cable supplied with the system is too short for the install we recommend replacing this with a good quality speaker cable of at least 1.0mm<sup>2</sup> diameter.

**7. Power Indicator**

This will illuminate green when the system is switched on and is connected to the mains supply. Should this light fail to illuminate this should indicate an issue with either the system or the mains supply.

**8. Signal Indicator (Right)**

The signal indicators illuminate and flash green to show the presence of an input signal.

**9. Signal Indicator (Left)**

The signal indicators illuminate and flash green to show the presence of an input signal.

**10. Balanced Line Input (Right)**

To permit use with long signal cable runs the ACTIVEPRO Series have been fitted with Balanced Line Inputs. The speakers will accept a standard 775mV signal. If used in Mono (parallel) mode the right input is not used.

**11. Mode Switch**

The ACTIVEPRO series can be used with either a stereo or mono signal. With the switch pressed the speakers work in mono mode and only require a signal on the left input.

**12. Balanced Line Input (Left)**

To permit use with long signal cable runs the ACTIVEPRO Series have been fitted with Balanced Line Inputs. The speakers will accept a standard 775mV signal. If used in Mono (parallel) mode, only the left input is used.

**13. 3.5mm Line Input**

Accepts standard stereo (or mono) line inputs - ideal for use with laptops or MP3 players.

**14. Phono Line Input**

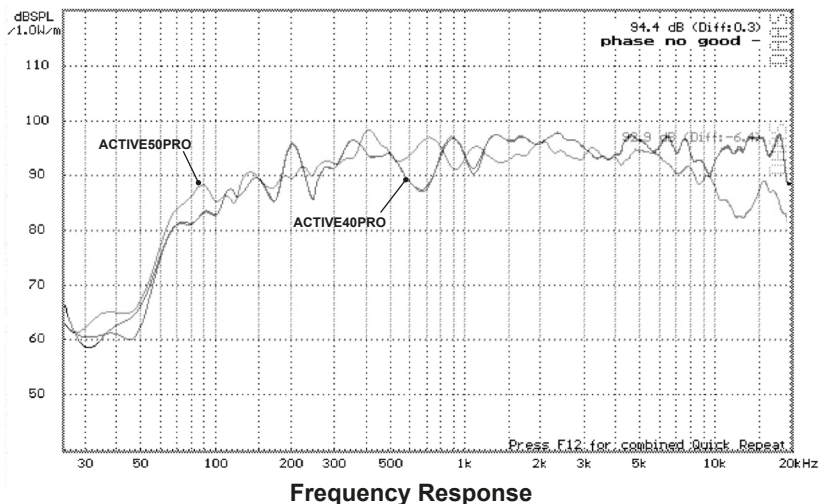
Accepts standard stereo (or mono) line inputs - ideal for use with CD/DVD players, satellite or terrestrial TV tuners or other line level sources. If using the speakers in MONO mode only the left channel input is required.

## **CLEANING AND MAINTENANCE**

- When cleaning, use a soft dry cloth to remove any dust that may have accumulated.
- Use a damp cloth and a small amount of liquid detergent if necessary.
- Do not use any chemicals, abrasives or solvents that could damage the unit.

## SPECIFICATION

Model	ACTIVE40PRO	ACTIVE50PRO
Power Rating (RMS)	20W x 2 @ 8Ω	25W x 2 @ 8Ω
Input Sensitivity	0.5V	0.7V
Frequency Response	80Hz-18kHz	20Hz-20kHz
THD	±0.05% (80Hz-18kHz/1W)	±0.05% (20Hz-20kHz/1W)
Damping Factor	>200 @80/400Hz	>200 @80/400Hz
Conversion Rate	30V/US	30V/US
Channel Separation	>75dB	>75dB
SN Ratio	>95dB	>95dB
Treble Control	±10dB	±10dB
Bass Control	±10dB	±10dB
AC Power	230V~50Hz	230V~50Hz
Dimensions (W x H x D)	170x185x250mm (each)	220x245x290mm (each)
Weight	4.7Kg (per pair)	10.1Kg (per pair)



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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