

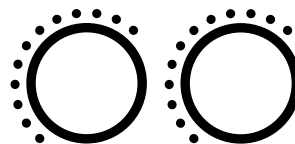
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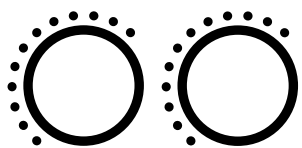
ZonePad

Zone wall controllers



Controllers





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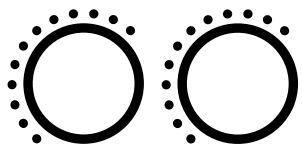


Congratulations on your choice of Optimal Audio for your latest sound system installation.

The Optimal Audio range of compatible audio zoners, controller, amplifiers and loudspeakers are designed to work together simply and effectively. Our quick start guides will take you through connectivity and set up in a straightforward style that reflects the Optimal Audio brand.

ZonePad 1 and ZonePad 4 are remote wall panels that enable the operation the essential parameters of Zone 4 or 4P, Zone 8 or 8P from a location other than the front panel of these devices. They have been designed to be easy to set up and operate, even if you have very little previous experience of similar equipment.

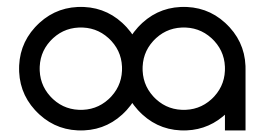
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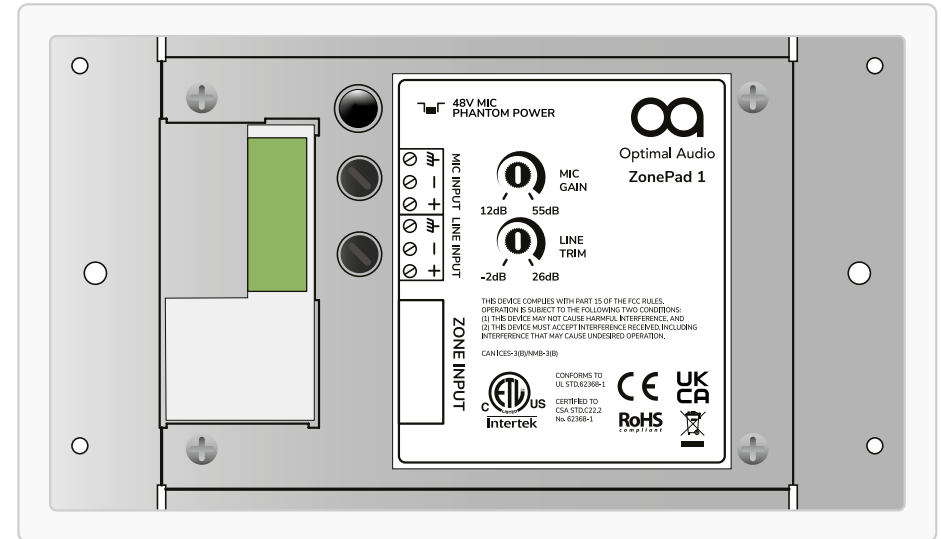


ZonePad 1

Single zone wall controller

ZonePad 1 gives the user the ability to control the selection and volume of up to six audio sources in a system from the zone, or room, in which the ZonePad is mounted. In other words, if you have installed Zone 4 in an office along with a streamer and a DAB radio for example, ZonePad 1 allows you to choose either the streamer or the DAB and adjust the volume of that source from within the room in which it is being heard.

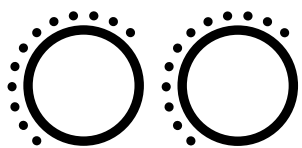
Just select the source you require on the ZonePad 1 from one of the six Source Selector buttons, check that the centre of the volume button reads 'MUSIC', adjust the volume knob up or down and you're sorted. The illuminated graduations around the outside of the knob will give you a visual reference for your desired volume.



In addition, any microphone that is plugged into the system locally can be selected by pressing the centre disc of the volume button, where the word 'MUSIC' will be illuminated. The word 'MIC' will light up on the disc and you can adjust the microphone level. Press it again and you will see the word 'MUSIC' reappear, giving you control over the selected music source again.

A local source would be located in the same room as ZonePad and connected directly to ZonePad. This could be a wall socket for audio for a laptop presentation, or any line level source. Select local source and the volume control will now be available to adjust the level.

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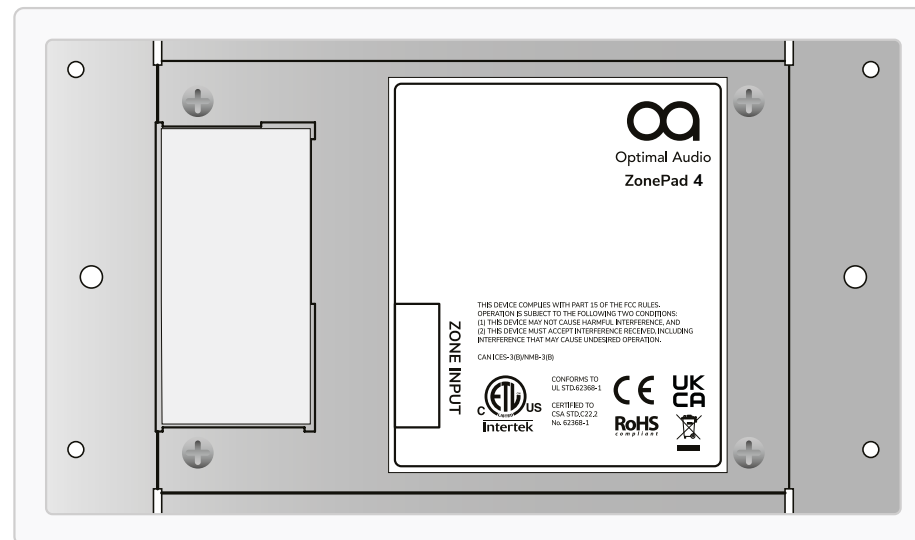
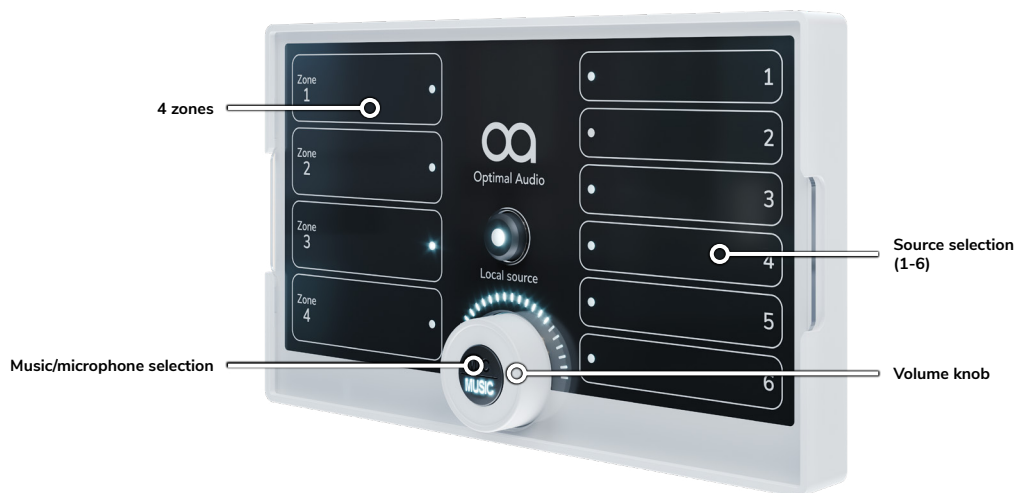
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ZonePad 4

4 zone wall controller

ZonePad 4 differs from ZonePad 1 in several ways:

ZonePad 4 enables the selection and volume control of all audio sources connected to your Zone 4, 4P, Zone 8 or 8P, and also allows you to select any one of four zones. If you are using Zone 4 or 4P, it essentially duplicates the front panel. In the case of Zone 8 or 8P it will control the first or second group of four zones according to how it is connected to Zone 8 – see below.

The ZonePad 4 can also select a locally connected microphone or line source in a Zone, when used in conjunction with a ZonePad 1 providing local inputs to that Zone. The local input in a Zone is selected with the 'Local Source' button, the input type can be selected using the 'MIC, MUSIC' button in the centre disc.

Both ZonePad models are connected to Zone by CAT 5 cable and RJ45 connectors, and fit into a standard UK sized wall box cutout.

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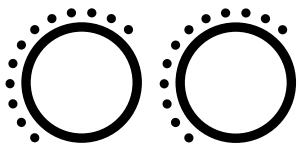
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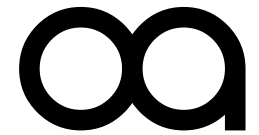




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Connecting ZonePad 1

DO NOT PLUG ZONEPAD INTO ZONE WHEN THE POWER IS ON

ZonePad 1 is connected to Zone via CAT 5/6 cable. On the rear of Zone 4 and Zone 4P you will find four RJ45 connectors labelled 'WALL CONTROLLER INPUTS', and below they are numbered 1,2,3,4.

ZonePad 1 can control a single zone and must be connected to the port that corresponds to the zone in which it is located. For instance, if you have a ZonePad 1 in the Bar, and you have set up Bar as zone 1 in WebApp, connect ZonePad 1 to WALL CONTROLLER INPUT 1.

If you are using ZonePad 1 with Zone 8 or Zone 8P the same applies, but there are eight WALL CONTROLLER INPUTS numbered 1,2,3,4,5,6,7,8.

Control of Zone 2
Control of Zone 3
Control of Zone 1
Control of Zone 4



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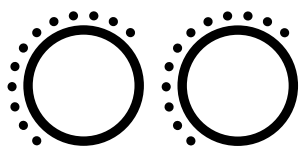
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Connecting ZonePad 4

DO NOT PLUG ZONEPAD INTO ZONE WHEN THE POWER IS ON

ZonePad 4 is connected to Zone via CAT 5/6 cable.

On the rear of Zone 4 and Zone 4P you will find four RJ45 connectors labelled 'WALL CONTROLLER INPUTS', and below they are numbered 1,2,3,4.

ZonePad 4 can control the selected source and volume for four zones. If you are using ZonePad 4 with Zone 4 or Zone 4P, connect to any of the WALL CONTROLLER INPUTS and you will have control over all zones of your system.

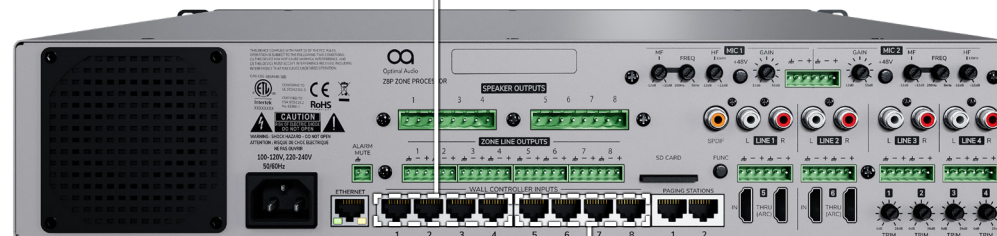
ZonePad 4 with Zone 8 or Zone 8P is slightly different. Connecting ZonePad 4 to any of the WALL CONTROLLER INPUTS numbered 1 - 4 will give control over system zones that are allocated as zones 1 – 4 in WebApp.

Connecting ZonePad 4 to any of the WALL CONTROLLER INPUTS numbered 5 - 8 will give control over system zones that are allocated as zones 5 – 8 in WebApp.

NOTE:

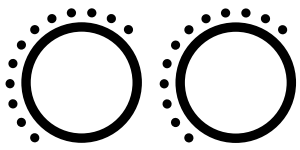
- It is not possible to control zones 5 – 8 from a ZonePad 4 connected to WALL CONTROLLER INPUTS 1 – 4.

Control of
Zones 1 – 4



Control of
Zones 5 – 8

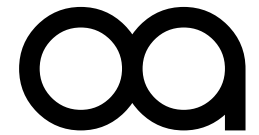
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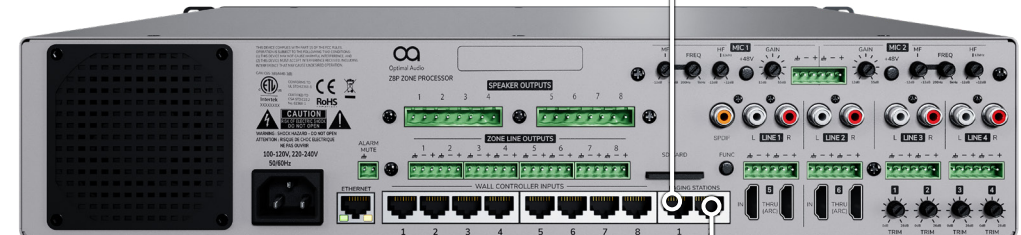
Utilising Paging Station Connections

DO NOT PLUG ZONEPAD INTO ZONE WHEN THE POWER IS ON

If additional extra connections are required, you can use PAGING STATION inputs to connect ZonePad 4 to Zone.

Connecting ZonePad 4 to PAGING STATIONS input 1 will give control of zones 1 – 4. Connecting ZonePad 4 to PAGING STATIONS input 2 will give control of zones 5 – 8.

Control of
Zones 1 – 4



Control of
Zones 5 – 8

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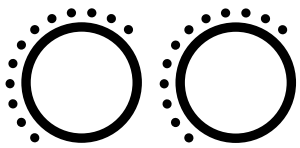
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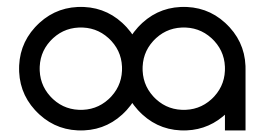
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CAT 5e/6 Cabling

ZonePad connects to Zone Controllers using a proprietary standard that utilises RJ45 connectors and straight wired ethernet network cable (UTP or STP) up to a maximum distance of 500 meters.

Pair 1 – pins 1&2

Pair 2 – pins 3&6

Pair 3 – pins 4&5

Pair 4 – pins 7&8

This will enable cable runs of up to 500 metres.

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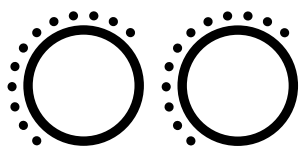
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ZonePad VL1 Volume Wall Controller

Quick start guide

The ZonePad VL1 is a passive, single-dial volume controller for the Optimal Audio SmartAmp range (10 / 20 / 30). It mounts in a standard back box and connects via a 3-pin terminal block.

Connecting VL1 to SmartAmp

Safety Always power off the SmartAmp before wiring or unwiring the VL1.

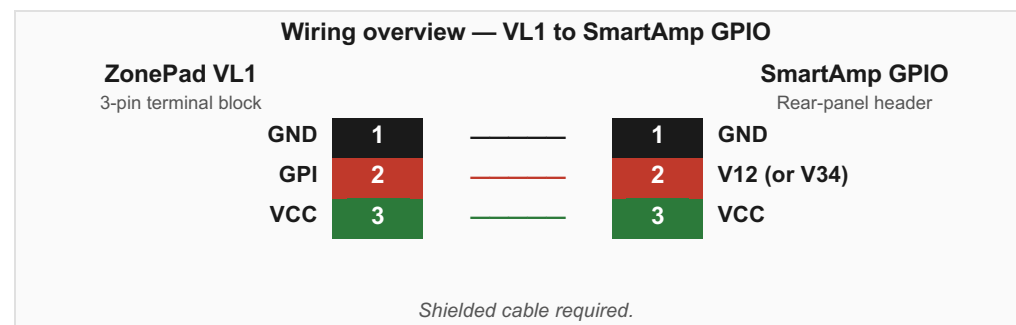
Pin assignment

VL1 pin	SmartAmp	Notes
1 GND	GND	Ground / shield
2 GPI	V12 (or V34)	Control voltage
3 VCC	VCC	3.3 V supply

Dual-zone (SmartAmp 20/30): wire a second VL1's pin 2 to V34. Use shielded cable.

Start using your VL1

1. With the SmartAmp powered off, fit the VL1 into its back box and connect the supplied 3-pin terminal block.
2. Set the SmartAmp front-panel channel gain to the desired maximum level — the VL1 attenuates from this point.
3. Power up the SmartAmp and apply signal.
4. Rotate the VL1 dial fully anti-clockwise (min) then clockwise (max) to confirm smooth level control.



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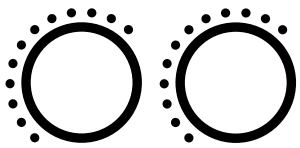
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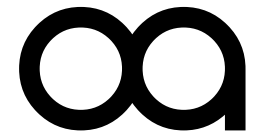
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WARNING!

**DO NOT EXPOSE THIS EQUIPMENT
TO RAIN OR MOISTURE**

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of **sufficient magnitude to constitute a risk of electric shock to persons.**

THIS EQUIPMENT MUST BE EARTHED

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation opening. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. To reduce the risk of electrical shock, the power cord shall be connected to a mains socket outlet with a protective earthing connection.
10. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Do not unplug the unit by pulling on the cord, use the plug.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The appliance coupler, or the AC Mains plug, is the AC mains disconnect device and shall remain readily accessible after installation.
16. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
17. Do not remove any covers, loosen any fixings or allow items to enter any aperture.

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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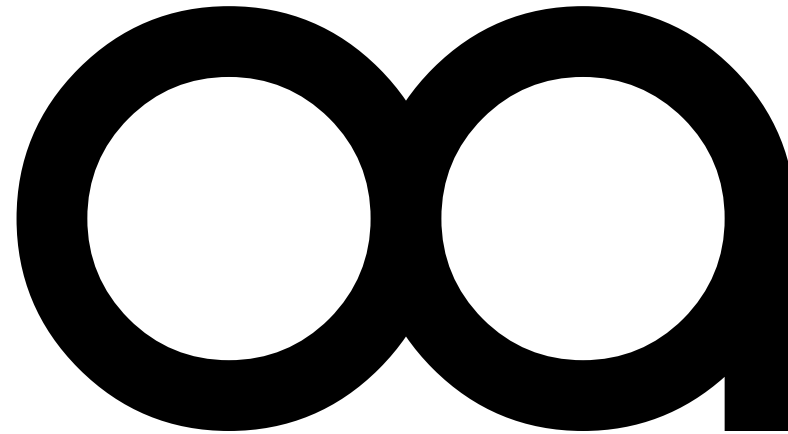
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