

## ZONE4R operation and installation manual

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ZONE4R remote panel is designed for use with the APart-audio ZONE4 preamplifier only. Wiring is easy, using industry standard CAT5 (or higher) computer network cable. Both T-568A and T-568B cable terminations can be used.

It is possible to use more than one ZONE4R remote panel per zone. Maximum number of remote panels per ZONE4 preamplifier is 8 panels in any configuration : e.g. 2 panels x 4 zones = 8 panels or 8 panels x 1 zone = 8 panels or any other combination with a maximum of 8 panels in total.

**Do not connect the ZONE4 or the ZONE4R remote panel to a computer network, this will cause serious damage to the computer network and the ZONE4/R units !**

### Front panel and operation:

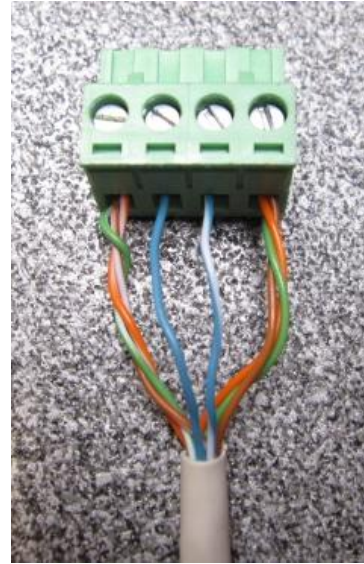
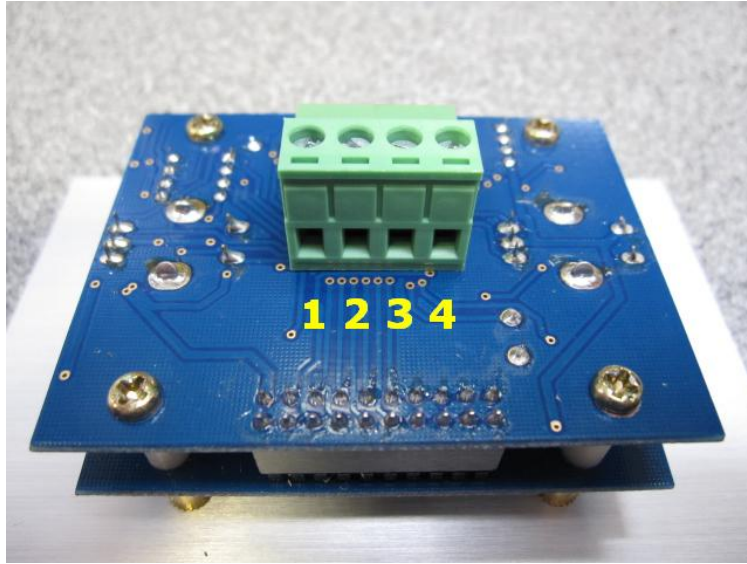
1      2      3



4      5      6      7

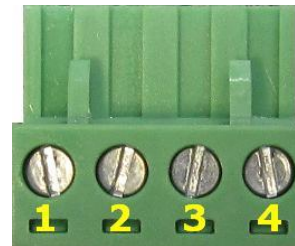
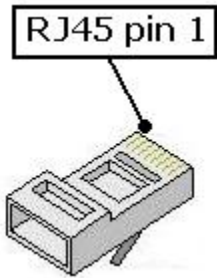
1. Music level control: this knob has the same functionality as the music level knob on the ZONE4 main unit. Turn the knob to adjust the music level. The actual value is displayed on the screen '2' for a few seconds. Push the knob to mute the music, the mute status is indicated by led '4'.
2. Display: this shows the selected music (line) source 'A to D' or the music or microphone levels. When a value has been edited, the display lights up more strongly during a few seconds. After a few seconds, the display will show the selected music source again. Please note that after some time of non-operation, the intensity of the display will dim automatically.
3. Micro mix level control: this knob has the same functionality as the micro mix level knob on the ZONE4 main unit. Turn the knob to adjust the micro mix level. The actual value is displayed on the screen '2' for a few seconds. Push the knob to mute the micro mix, the mute status is indicated by led '7'.
4. Music level mute led: this led lights up when the music is muted.
5. Line input selector switches (music) : use these switches to scroll downward through line input A to D. The selected input is shown in the display '2'.
6. Line input selector switches (music) : use these switches to scroll upward through line input A to D. The selected input is shown in the display '2'.
7. Micro mix mute led: this led lights up when the micro mix is muted.

**ZONE4R connector and wiring details:**



1. Ground connection (GND) -> connect to RJ45 pin 1 and 3 and 7 (colours : see table below)
2. Data connection (Rx B) -> connect to RJ45 pin 4 (colours : see table below)
3. Data connection (Tx A) -> connect to RJ45 pin 5 (colours : see table below)
4. Power supply (+12VDC) -> connect to RJ45 pin 2 and 6 and 8 (colours : see table below)

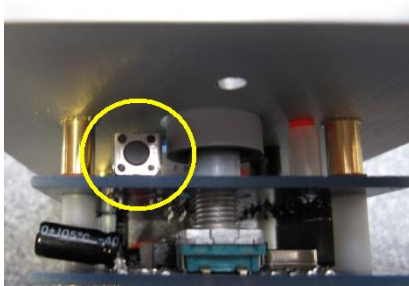
RJ45 connections on rear of ZONE4 main unit 'to zone remote wall panels' :



Pin number RJ45	T-568A cable colour code	T-568B cable colour code	Euroblock 4 (see picture above)
Pin 1 : <b>GND</b>	<b>white – green</b>	<b>white – orange</b>	connector 1
Pin 2 : 12 VDC	<i>green</i>	<i>orange</i>	connector 4
Pin 3 : <b>GND</b>	<b>white – orange</b>	<b>white – green</b>	connector 1
Pin 4 : Rx B	<i>blue</i>	<i>blue</i>	connector 2
Pin 5 : Tx A	<i>white – blue</i>	<i>white – blue</i>	connector 3
Pin 6 : 12 VDC	<i>orange</i>	<i>green</i>	connector 4
Pin 7 : <b>GND</b>	<b>white – brown</b>	<b>white – brown</b>	connector 1
Pin 8 : 12 VDC	<i>brown</i>	<i>brown</i>	connector 4

### **Installation instructions:**

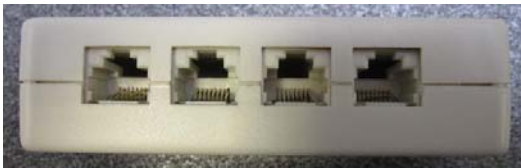
You must assign the ZONE4R unit to a zone number by pushing knob '1' and '3' simultaneously during 5 seconds. The selected zone number is displayed on the screen '2'. To change the zone number, push the up or down switches '5' or '6'. After a few seconds, the ZONE4R returns to normal operation and will memorize its assigned zone automatically. You can also switch zones by pushing the small switch at the back of the unit. With every push, the zone number changes 1 up, from 1 to 4 and back to 1 and so on. You can connect multiple ZONE4R units to the ZONE4 main unit using a straight through CAT5 cable hub. You can assign multiple ZONE4R units to the same zone. The maximum number of ZONE4R units connected to a single ZONE4 unit is 8 pieces. Maximum approved CAT5 cable length is 100 meters per zone.



ZONE4R zone select switch at the back of the ZONE4R unit.

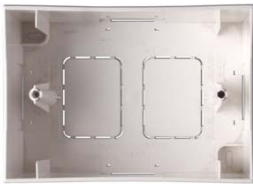
### **ZONE4R optional accessories:**

- RJ45SPLIT: 1 in/4 out straight through RJ45 splitter box (dimensions mm : 105L x 42W x 28D). This unit can not be housed in a back box.

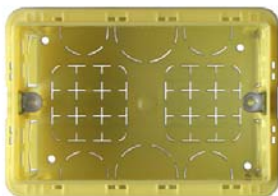


*The RJ45 input is located at the side of the unit*

- BB1 : ZONE4R on-wall back box (HxWxD : 80 x 114 x 48 mm)



- BB1 : ZONE4R in-wall back box.



ZONE4R is also compatible with BTicino 503E in-wall boxes or 503NP on-wall boxes.

**NOTES:**

- Use CAT5 or CAT6 cable only. Maximum approved cable length is 100 meters per zone.
- ZONE4R cover plate is not interchangeable.
- CAT5 cable terminations according to T-568A or T-568B are possible. For details about wiring please refer to the wiring details and colour code. T-568B termination is not recognized in the USA, but is considered as standard cable termination in many other countries.

**Dimensions:**

- Front plate dimensions : 114 x 80 mm. Mounting hole spacing : 83 mm.
- Cutout dimensions without using a backbox : 70W x 55H mm ; mounting depth : 40 mm