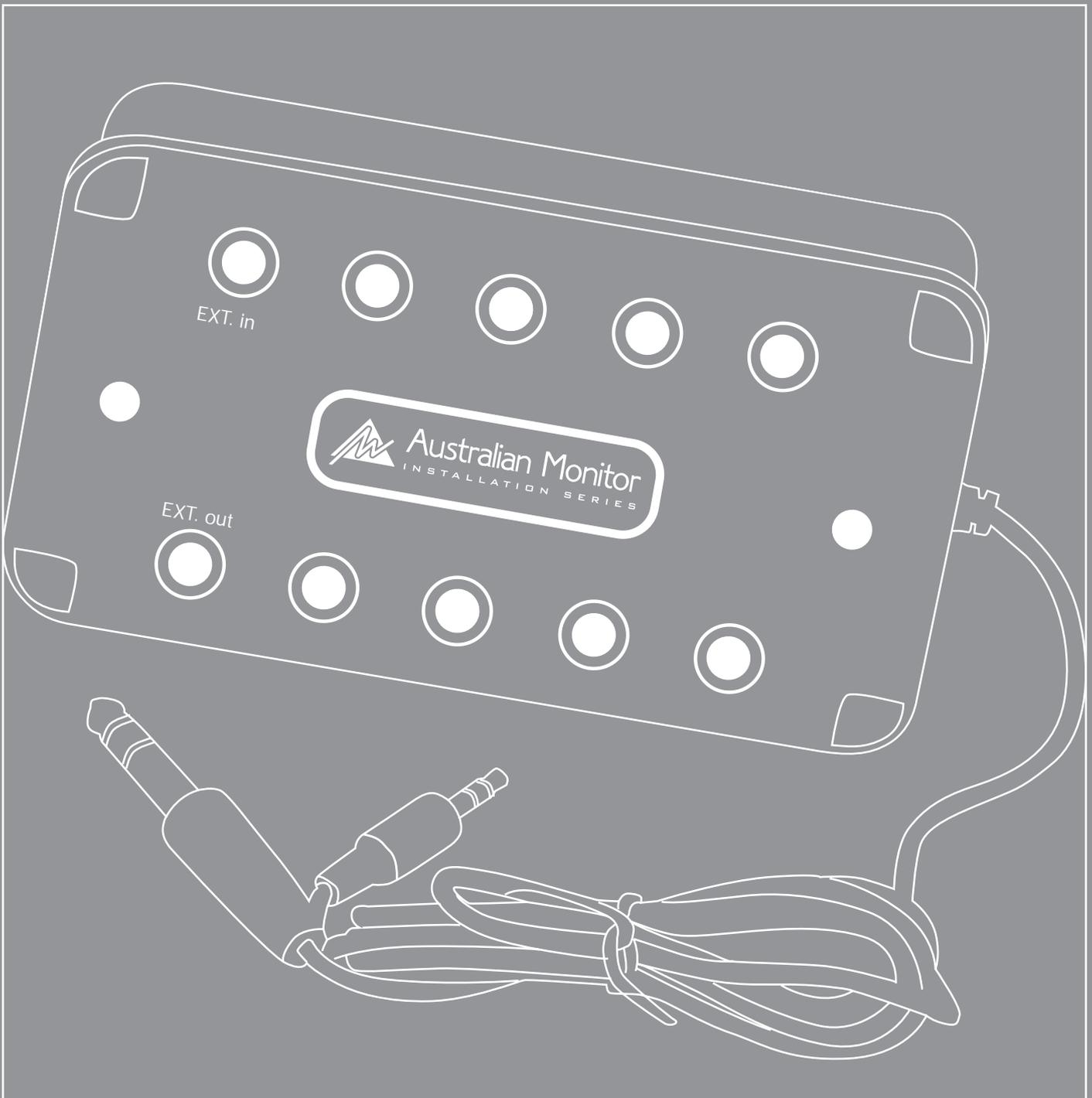


JUNCTION BOX

INSTALLATION AND OPERATION MANUAL



INFORMATION

CONNECTING THE JUNCTION BOX TO YOUR AUDIO SOURCE

Plug the Junction Box into your audio sources as using either the 1/4" or 1/8" plug (but not both)

USING SEVERAL JUNCTION BOXES

Plug the first junction box into your audio source, plug the second junction box into the expansion connection " EXT.in" and plug the third junction box into the expansion connection " EXT.out".

Australian Monitor does not recommend connecting more than 3 ATC GLC 8 junction boxes to one audio source, as this may exceed the capacity of your audio source & cause damage to the audio source, junction box, headphones or all three.



DETERMINING YOUR AUDIO SOURCE CAPACITY

All audio sources and headphones have an output loading capacity called output impedance, specified in term of "ohm-Ω". The effected impedance of various of headphones connected is called " combined impedance".

To determine the combined impedance of a number of headphones connected to the ATC GLC8 you can use the following formula;

$$\text{Combined headphone impedance} = \frac{\text{Impedance of individual headphone}}{\text{Number of headphones connected}}$$

So for a system using 8 x 200 ohm headphones the formula would look like this;

$$\text{Combined headphone impedance} = \frac{200 \text{ ohms}}{8} = 25 \text{ ohms}$$

So the Audio source must have an impedance of 25 ohms or less.

NOTE: this formula only works when the headphones are all of the same impedance.



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