



Introduction

The APart E-VOL20 is a 100 Volt volume control that can handle up to 20 watt of power.

It is very durable due to the step by step attenuation in 11 steps + zero position.

The volume control is equipped with a 24V priority relays. This way a microphone call will always come through at maximum volume, no matter what position the volume control is in.

The E-VOL20 is build on a universal chassis that can easily be integrated with Girra, Jung and Euro. Different cover plates are available for the UK market.

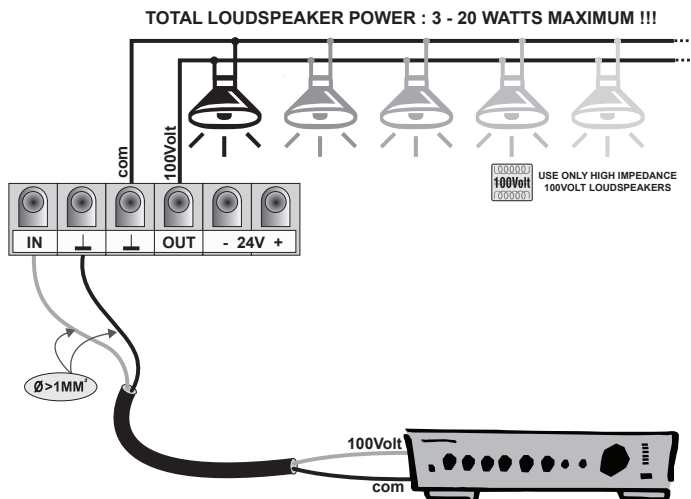
Please avoid

- Please avoid any power overload, measure your speakerlines before connecting.
 - In reality, a lot of speakers have much higher load than the value listed in their specification. Our APART speakers are especially engineered within their specification, so no risk for overload when using them !
 - Please never apply clipped or overloaded levels from your amplifier to this volume control.
- It may cause overheating and damage ! Our APART amplifiers are automatically limited to avoid such distorted signals !

Tech. Specifications

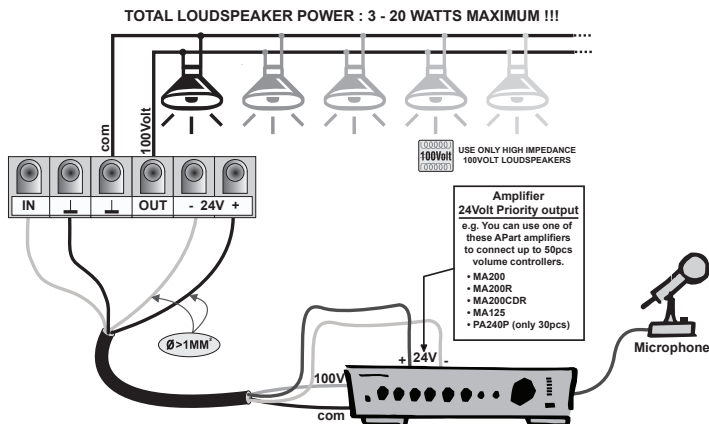
- Type : Euro
- Handling power : 20 watt
- Voltage : 100 Volt
- 24V priority : Yes (20mA)
- Attenuation steps : 11 + "0"
- Build-in box : E-MODIN
- Build-on box : E-MODON
- Dimensions (H x W x D) : 80 x 80 x 70 mm
- Weight : 0.3 Kg
- Colour : white

2-WIRE CONNECTION





4-WIRE CONNECTION WITH PRIORITY



What does a priority system do ?

When the volume controller is turned to 0 there is no background-music. (e.g. meeting room, office)

At this moment if there is a microphone call the information is lost.

With the priority system connected, the volume controller is set to maximum volume during the microphone call.

In this way there is no information lost.

To be able to use a priority system you need the following components :

- Volume controller with priority relay
- Amplifier with 24Volts priority output contact (24Volts / 1A : you can connect up to 50pcs of volume controllers)
- 4-wire cable connection
- Microphone (MICPAT-D)

PRIORITY RELAY SYSTEM

Please note that the volume control can also be used without this priority system or 24 V dc.

The priority system is often used for emergency announcements or to allow the paging come thru at maximum level for a clear understanding.

As a standard, with jumpers set on 2-3 and 5-6, the relay will bypass the volume control to obtain maximum level when 24Vdc is applied.

For special safety emergency applications with inverted operation mode, the jumpers can be moved to 1-2 and 4-5.

In this case, 24Vdc and thus the relay will always be activated for normal operation with the volume control. The volume control will be bypassed and set to its maximum as soon as the 24Vdc is cut off.

