APPLICATION NOTES

DEVA – EXTERNAL CONNECTIONS
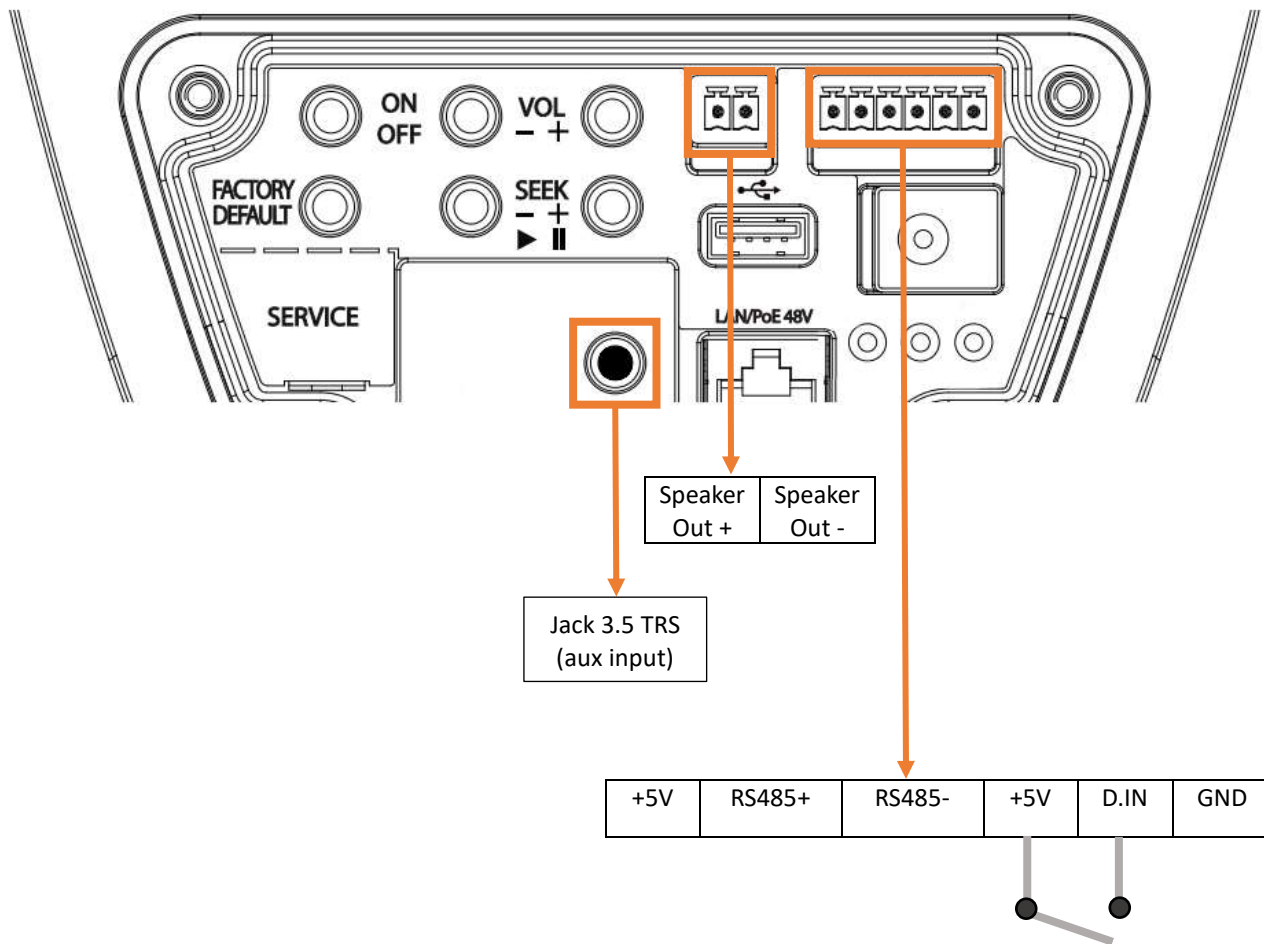
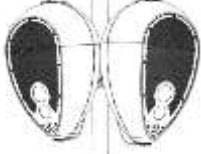# DEVA – EXTERNAL CONNECTIONS

Introduction

DEVA allows to connect an external speaker or an external device can trigger an event or interact directly with DEVA. For example you can connect a DEVA passive as external speaker or a SOS station provided of speaker and microphone allows to do a SIP calling in case of emergency or triggering an event.

GPI connection and AUX I/O

Find below the pin-out wiring about DEVA GPI phoenix 6 poles connector, Aux output phoenix 2 poles connector and Aux input Jack 3.5 TRS connector. These are located on the back control panel of DEVA, you have to remove the cover unscrewing the 4 Allen screws using 3x125 Allen key.
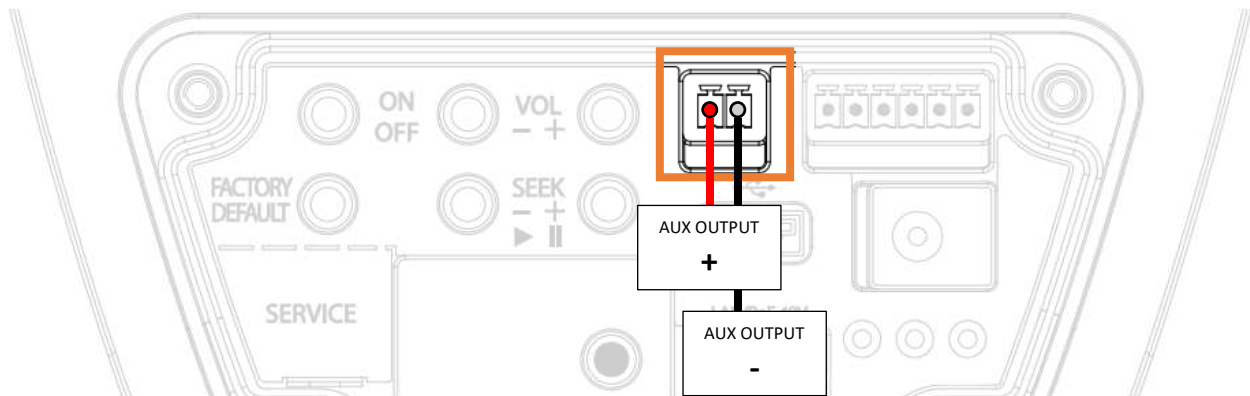

Speaker Out +	Speaker Out -

Jack 3.5 TRS (aux input)

+5V	RS485+	RS485-	+5V	D.IN	GND

Example of external device

	SOS handset system, event triggering to DEVA is made by opening the front cage.
	SOS button, provided by internal microphone and speaker, event triggering to DEVA is made by pushing the button.
	Deva passive is an external passive speaker takes care to improve the sound diffusion of one Deva HD.

How to adapt Aux output for Line IN

This kind of wiring can be useful if you want to feed with DEVA an additional external audio diffusion driven by an audio device with Line Input (for example a mixer). Take care to not connect Aux output directly to external audio device without the advised attenuation adapter, since it is a powered output you may broke the input stage without attenuating the voltage in output.
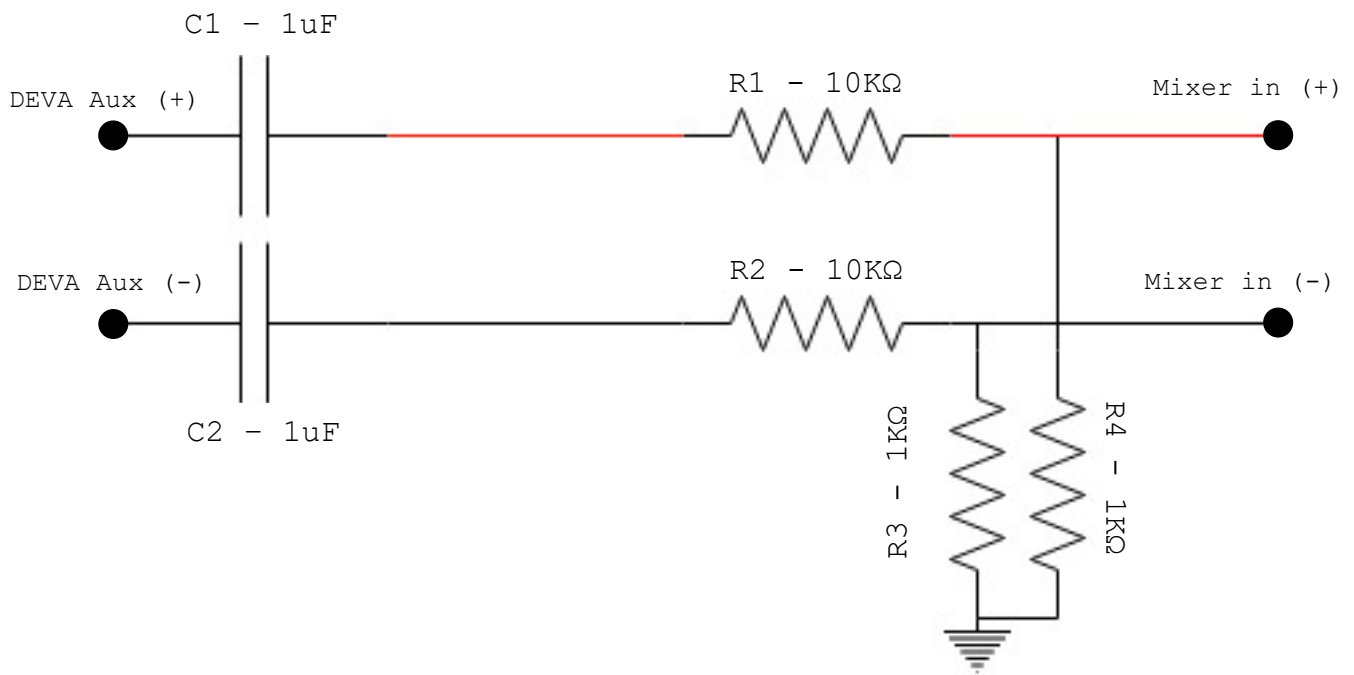

Components and tools needed

- 2 x 1 uF capacitor
- 2 x 10KΩ resistor
- 2 x 1KΩ resistor
- 2 poles molex connector
- Allen Key 3 x 125

Scheme

C1 – 1uF

DEVA Aux (+)

R1 – 10KΩ

Mixer in (+)

DEVA Aux (-)

R2 – 10KΩ

Mixer in (-)

C2 – 1uF

R3 – 1KΩ

R4 – 1KΩ

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