



# ES-3

## MINIATURE STEREO POWER AMPLI. 2 x 0,5 W.

The ES-3 module is a stereo power stage, with a maximum power by channel of 0,5W. It could be connected to the mixer output or to the auxiliary input of a sound device.

It is supplied by 12 VDC and the recommended power supply is the FE-2 module.

**Because all the information indicated in this manual instruction, you had to read it.**

### TECHNICAL CHARACTERISTICS.

Voltage .....	12 V. D.C.
Minimum Consumption .....	10 mA.
Maximum Consumption .....	50 mA.
Minimum Input Signal .....	0'5 W.
Output Impedance .....	4 - 8 Ohms
Protection Against Polarity Inversion .....	Yes
Sizes .....	55 x 40 x 15 mm.

### OPERATING.

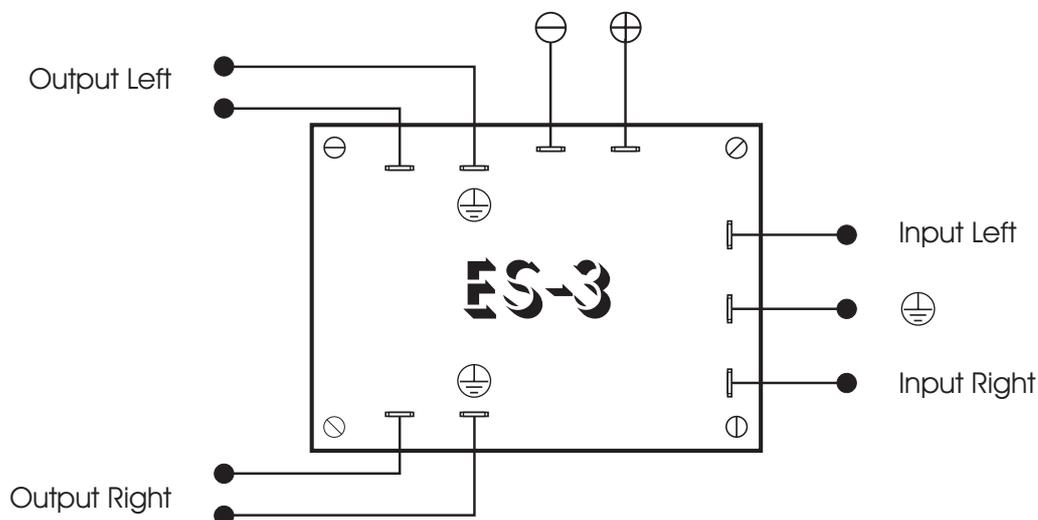
**POWER SUPPLY.** The ES-3 module had to be supplied by 12 VDC. Then, we recommend you our FE-2 module which has been specially design for this circuit needs. Connect the positive terminal of the Power Supply to the positive pin indicated in the drawing. Then, do the same operation with the negative terminal. **Verify that the assembly has been well done.**

**OPERATING.** To connect input signals, you had to use shielded cable and parallel cable for loudspeakers. For the input and output audio connections, power supply had to be disconnect.

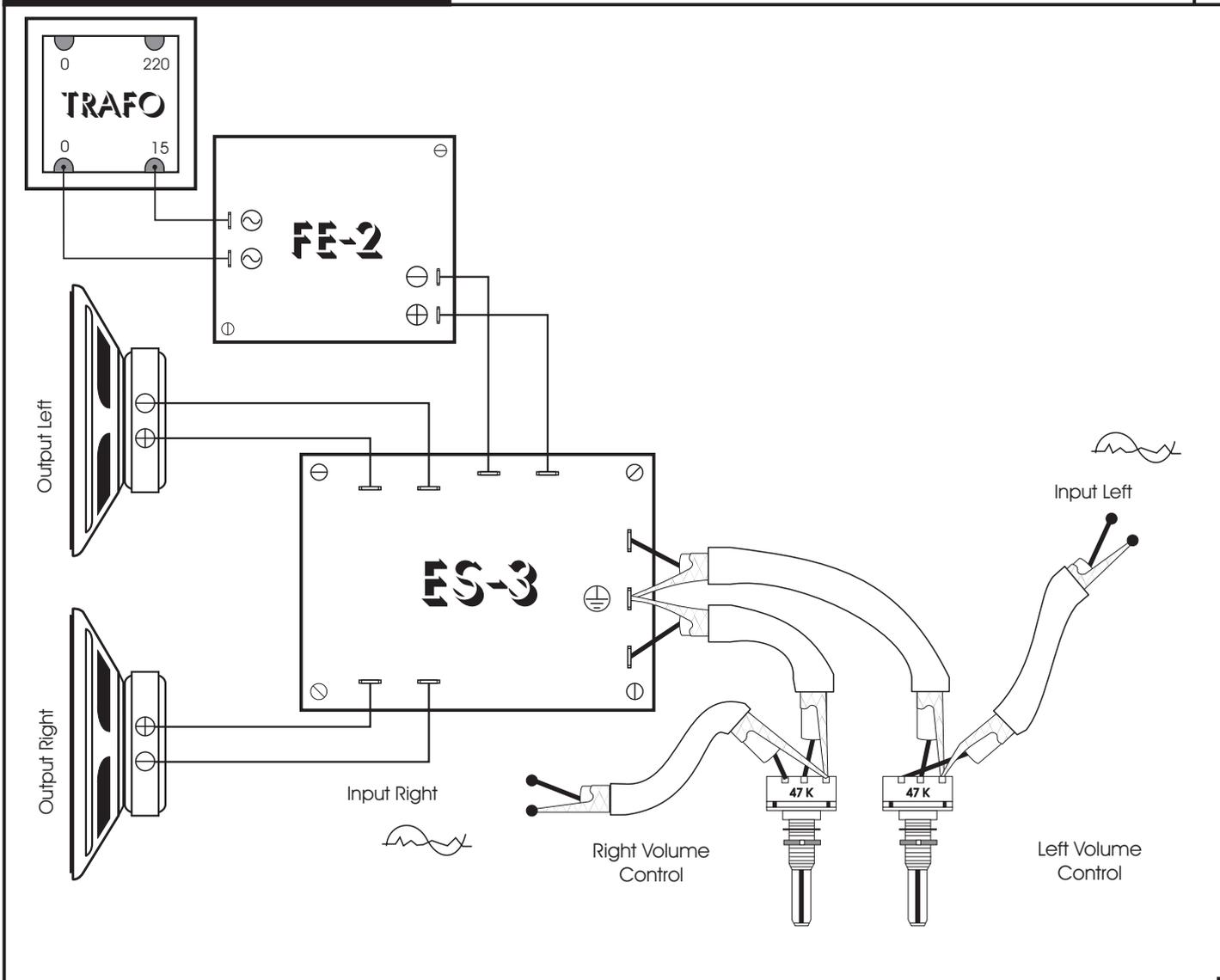
**Be careful to not confuse the input and the output audio** to not damage the module.

Connect the right and left audio inputs according to the drawing. Connect both ground to the central terminal. Do the same operation with right and left audio outputs and their ground.

### WIRING MAP.



### GENERAL WIRING MAP.



### SUGGESTIONS.

All audio circuits could be perturbed by parasites, and one of the main parasites supplier is the power supply. Then, to avoid it, you had to use a low frequency shielded cable. Connect wire as indicated in the drawing. Use a metallic enclosure for the installation and connect the ground of the circuit to the box.

### TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

**By E-Mail:** [sat@cebek.com](mailto:sat@cebek.com)

**By Mail:** C/ Quetzal, 17-21, Entlo. 2º (08014) BARCELONA - SPAIN.

**Keep you invoice.** For any repairing could you send this with module. Else, the module will lost the warranty.

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MODULES.

All the module's CEBEK have **3 years of total warranty** in thechnical repairing, and spares from the date of buy.

CEBEK is trade make of FADISEL S.L. more than 300 module's are available in stock for any purpose **request our CATALOGUE**, or visit our Web. [www.cebek.com](http://www.cebek.com)

**WARRANTY**

**3  
YEARS**