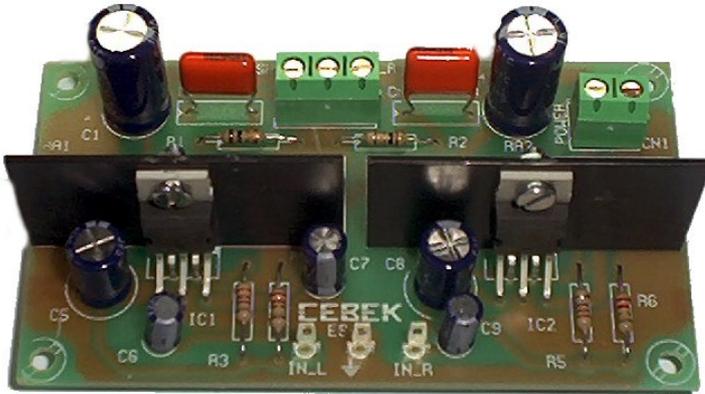




# cebek<sup>®</sup>

## 5 W. POWER AMPLIFIER ES-2



### TECHNICAL CHARACTERISTICS

Voltage .....	12 V. D.C. (6-15V).
Minimum Consumption .....	100 mA.
Maximum Consumption .....	500 mA.
Input Sensitivity .....	100 mV.
Maximum Signal Input .....	1 V.
Output Impedance .....	4-8 Ohms
Frequencies Margins .....	30-18.000 Hz.
Distorsion at 5w. ....	1 %.
R.M.S Power .....	5 W.
Musical Power .....	7,2 W.

The ES-2 module is a stereo power stage with 5 W. RMS at 4 Ohms as maximum power per channel. It could be connected to a mixer's output, auxiliary inputs, previous amplifier. It includes connection terminals, protection against polarity inversion as well as protection against short-circuits at outputs.

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

### OPERATING

**POWER SUPPLY :** The ES-2 module had to be supplied by a 12 V DC. Power supply, perfectly stabilised. Then, we recommend you our FE-4 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.**

And then, you could activate the switch supplying the module. To obtain a correct module's operating, we suggest you to isolate the module against mains parasites. Therefore, you have to place a filter between the 230 V AC transformer's input and the plug.

**OPERATING :** Seeing the General Wiring Map, when the connection of the power supply are done, you have to install a loudspeaker to the indicated terminal. The loudspeaker have to be a quality loudspeaker and offer a power of 5 W. as minimum but we suggest you to use a superior one (10 W).

**SIGNAL INPUT :** The input signal could be supplied by auxiliary devices, mixers, etc... (inferior than 700 mV). Connect it to the input terminals indicated in the drawing. To do this, the distance between power stage and its sound source have to be as short as possible and the used cable have to be shielded.

**VOLUME CONTROL :** To adjust the input signal level of the power stage to consequently change the volume, you have to install a 47 KW logarithmic potentiometer. Use a shielded cable for its assembly. See General Wiring Map .

**INSTALLTAION :** Install the power stage into a metallic enclosure. This last must have enough to place the module and its corresponding power supply. More over this enclosure have to have a ventilation grille to.

# GENERAL WIRING MAP

