



# cebek<sup>®</sup>

## POWER STEP STEREO 1.8-W ES-1



### TECHNICAL CHARACTERISTICS

Supply voltage. ....	12 V. DC. (4 to 14 V.).
Minimum consumption. ....	100 mA.
Maximum consumption. ....	250 mA.
Input sensitivity. ....	50 mV.
Maximum input signal. ....	1 V.
Output impedance. ....	4-8 W
Frequency range. ....	30 to 18,000 Hz
Distortion at 1.8 W. ....	0.4%
Power R.M.S. ....	1.8 W.
Music power ....	2.5 W.

ES-1 module is a stereo power stage, with a maximum power of 1.8 W per channel R.M.S. at 4 W. It can be connected to the output of a mixer, or auxiliary inputs, pre-amplifiers

**POWER SUPPLY:** The ES-1 module must be powered with a voltage of between 4 and 14 V DC stabilized fully, therefore we recommend that you do not use simple feeders or rectifiers that can damage the circuit operation, but a source power. We suggest you source FE-2 that fits the needs circuit or a battery for portable applications.

Install a fuse and a switch as shown in the diagram, both are necessary for the module's protection and for your own safety, as required by CE approved.

See Figure "Connection General. Observe the provision of the source output power, and connect the positive terminal and negative power inputs corresponding module terminal indicated on the diagram. The distance between the source and the module must be the shortest possible (15 cm. Max.).

Verify that your installation is correct, do not activate the switch until you read all instructions.

For a correct module operation we suggest to isolate parasites sector. To Therefore, you should put a filter in Sector 220 V terminal of the transformer.

**OPERATION:** See the section "General Plan of connection." Once all réassemblées se sconnexions food, you will need a speaker at the terminal said. It is essential that the speaker has a minimum output of 1.8 W. However, we suggest one of de'installer 4 W. Use quality speakers because they would guarantee the proper functioning of the module

**INPUT SIGNAL:** The input signal can be provided by auxiliary inputs, mixers, etc. ... But you will never exceed 700 mV. Make the connection shown in the diagram. For c ela, you will need to maintain the shortest distance possible between the stage and the sound source and use shielded cable for mounting.

**VOLUME CONTROL:** Adjusts the signal level of the step, thus varying the volume, you must install a logarithmic potentiomètre of 47 KW. Use a shielded cable for mounting. See the section "General Wiring Plan".

## GENERAL WIRING MAP.

