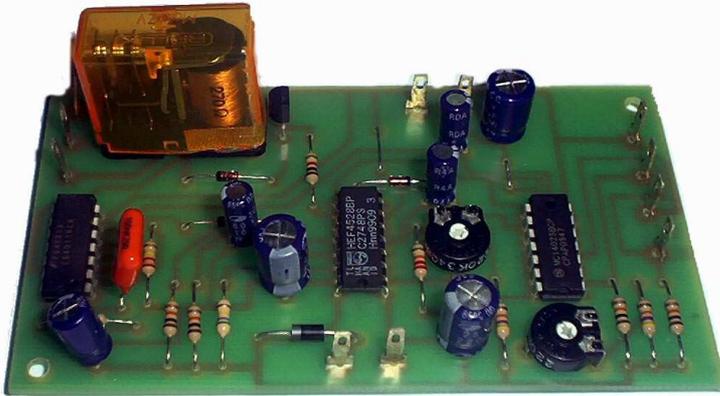




# cebek<sup>®</sup>

## 3 CHANNELS PSYCHEDELIC L-2



### TECHNICAL CHARACTERISTICS

Voltage.....	230 V.AC.
Minimum Consumption.....	100mA.
Maximum Consumption.....	According load.
Minimum power per load.....	50W
Maximum power per load.....	500W
Frequency answer for low.....	200 Hz
Frequency answer for medium.....	1000 Hz
Frequency answer for high.....	3000 Hz
Minimum input signal.....	1 W RMS
Maximum input signal.....	5 W RMS
Input impedance.....	4-8 W.
Dimensions. ....	125x85x35 mm.

The L-2 is a 3 channels psychedelic module with Triac outputs. The three outputs have been separated in low, medium and high to allow a voice modulation in accordance with the rhythm imposed by the music.

It includes connection terminals to make easier the assembly.

**POWER SUPPLY.** The module L-2 had to be supplied by 230 VAC. Directly from the mains. See General Wiring map. Using an adequate plug and a cable for mains connect this last one to the input terminal 230 VAC. Install a fuse and a switch as it is indicated in General Wiring Map. Both are necessary to protect the module and for your own security, as it is indicated in EEC regulations. Then, verify that you have correctly connected the module.

Do not forget that in several part of the module there is voltage (230 VAC), for this reason we suggest you to be careful.

**OUTPUT CONNECTION. LOAD.** The module only accepts resistive loads like lamps, resistors, heatsinks, etc...Do never connect to the output inductive loads like transformers, fluorescent or halogen lamps with transformers, etc... The minimum load for each output is 50 W., if you connect an inferior load the module doesn't properly work. In he same case, the maximum load per output is 500 W., do never overpass this quantity to avoid damaging the module.

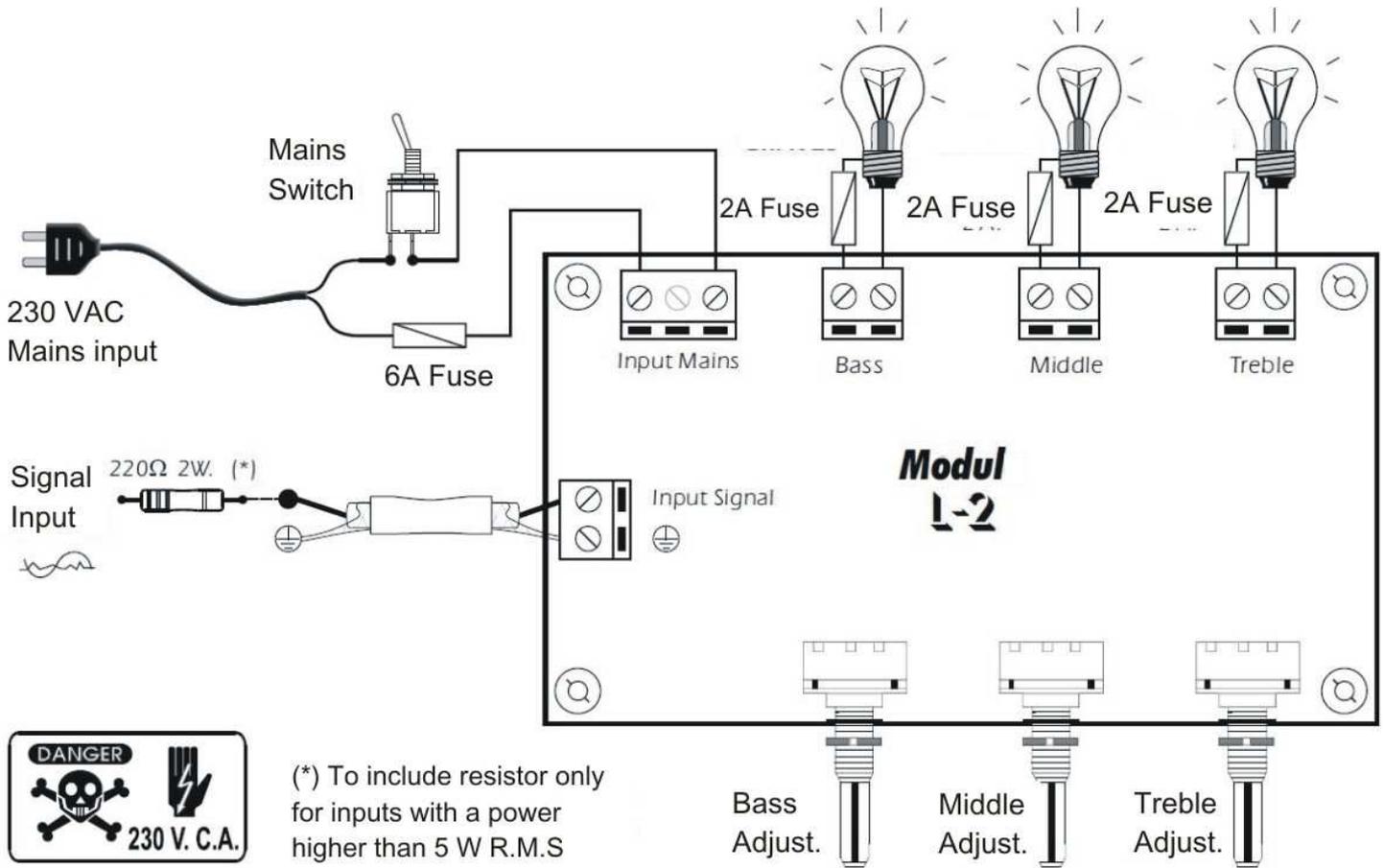
To connect outputs, you have to connect bulbs or load to the terminals indicated on the "General Wiring Map". Install a 2A fuse for each output. As the module is operating with a Triac, this one can produce some electrical parasites (noises) or interferences on other apparatus. To avoid this possibility, you have to install in each output a mains filter as it is indicated in the drawing : "How to install a mains Filter".

**INPUT CONNECTION.** The module is prepared to be directly connected to an amplifier loudspeaker output. Nevertheless, you have to respect specifications indicated in the circuit input. The minimum signal to activate the L-2 module is 1W R.M.S as minimum and 5 W R.M.S as maximum. Even if most of music devices supply this minimum signal level, check it previously. If you amplifier supply more than 5 W R.M.S, you have to install in series with the positive signal input a 220W/2W resistor. Use low frequency shielded cable.

**OPERATING MODE.** Once power supply and outputs installations done, the module is ready to be used, activating the switch to supply the module. Following the rhythm imposed by the music, according to the sound, outputs will be connected with Bass, Middle or Treble sounds. If you want to adjust the sensitivity of each channel, you have to adjust corresponding potentiometers.

**INSTALLATION.** Do not install the L-2 under bad weather, even if it is protected against meteorological conditions. You have to install it into a plastic box. During its operating, the module dissipates heat, for this reason, the used box must to be well ventilated.

**GENERAL WIRING MAP**



(\* ) To include resistor only for inputs with a power higher than 5 W R.M.S

