



# TR-6

## 60 Sec. DIGITAL RECORDER

Our TR-6 will allow you to record and reproduce any message, music or sound effects until 60 sec. as maximum and it indefinitely maintains the recorded message in its memory even after power supply disconnection as well as offer a repetitive reproduction.

It includes a power stage offering 5 W. an an electret microphone, potentiometer to control the volume. It Also has an ACG - Automatic Control of Gain.

**Do not forget to read all the information mentioned hereafter to obtain a perfect operating of the module.**

### TECHNICAL CHARACTERISTICS.

Voltage .....	From 9 to 12 V. D.C.
Maximum Power .....	5mW.
Maximum Operating Consumption .....	300 mA.
Quiescent Consumption. ....	60 mA.
Output Impedance .....	4-8 Ohms
Automatic Control Of Gain .....	Yes.
Protection Against Polarity Inversions .....	Yes.
Sizes .....	95 x 65 x 30 mm.

### OPERATING.

**POWER SUPPLY.** The TR-6 circuit had to be supplied by a 12 VDC power supply.

Then, we recommended you the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Connect the positive of the power supply to the positive terminal indicated in the wiring map, then connect also the negative of the power supply to the negative terminal indicated in the circuit.

**Verify** that the assembly has been correctly done.

**RECORD (REC).** Do not record if the repeat function is activated. Read the corresponding part.

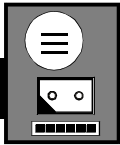
With the TR-6 module, you could record a maximum of 60 sec. To do this, connect a switch to the terminals **"Play/Rec"** and put it in **closed position**. Then, **if you maintain the "start" button pressed**, the electronic module start the record until you stop to press the button or you finish the allowed 60 sec. (at this moment, the second led will light to indicate the end of the memory capability). To record again, you only have to press the "start" button, and then the previous message will be erased.

**REPRODUCTION (PLAY).** Connect a loudspeaker (see drawing). To activate play function you had to put the **"Play/Rec" switch in opened position**. Adjust the potentiometer for the volume.

The TR-6 module allow two modes of **play, Normal or Repeat**. To obtain a determinate function you have to observe the drawing and place the switch **"Int"** as required. If you select the **Normal** option and press the push button "start" the led N°1 will light and the circuit will stop play at the end of the recorded message, waiting for a new pressing. **You have to quickly press the "start" button** (it is no necessary to maintain the button pressed as in the record step).

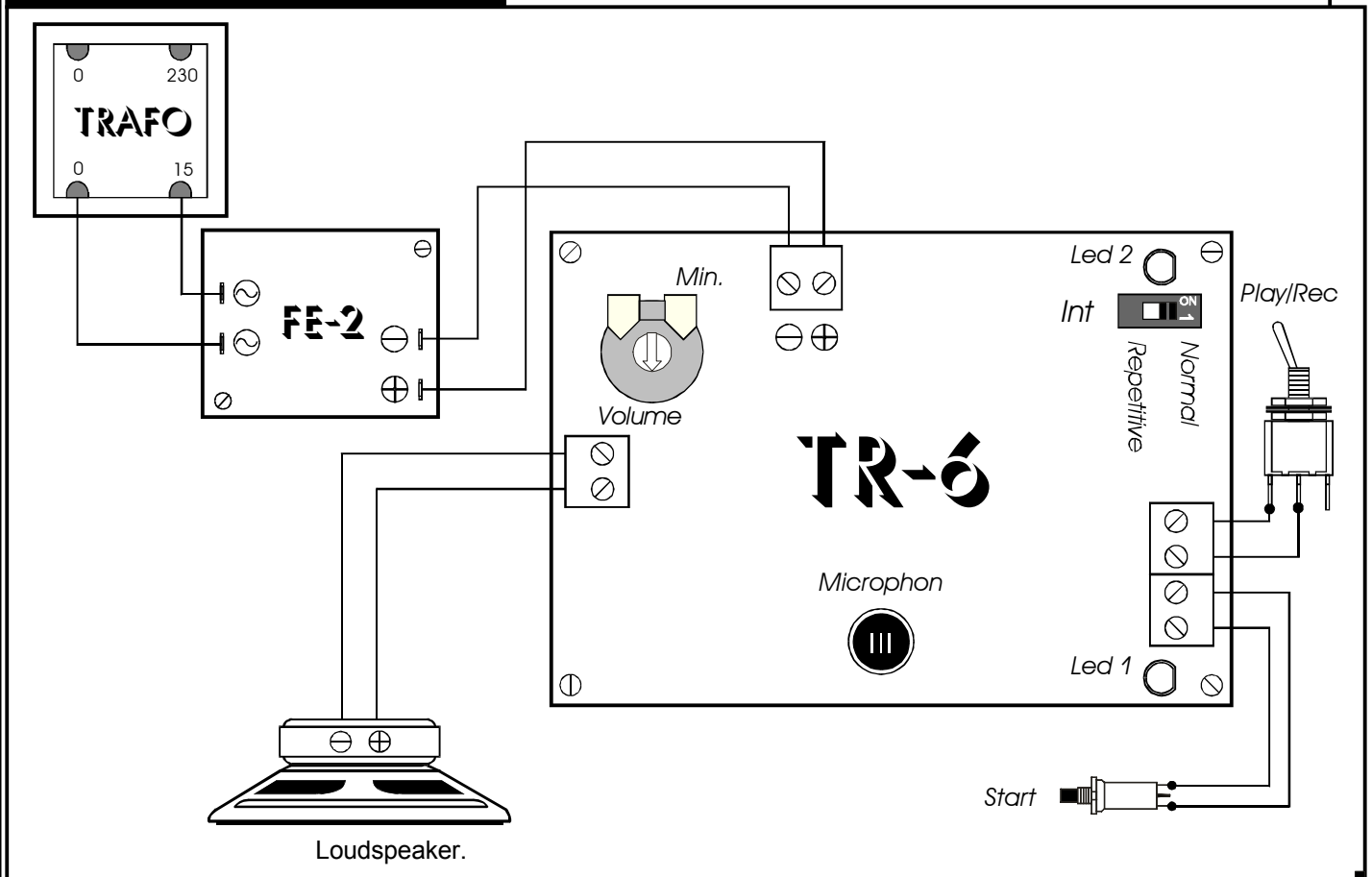
At the opposite side, if you select the **Repeat** option when the module will arrive at the end of the recorded message, it automatically goes at the beginning of the message and repeat the message according to a cyclic mode. To start this option **you have to maintain pressed the push button**, contrary of the normal option. During this pressing the led N°1 will light and the reproduction will be continuous and repetitive. If you stop your pressing the led N°1 light off and the circuit will be on stand by. According to the module's internal technology, **the repeat option could be activated only if the recorded message is inferior to 59 sec.**

The module could not reproduce a message of 60 sec. in a cyclic mode. Do not forget, if you have to record a new message you have to deactivate the play function using the "Int" switch.



## VOICE SYNTHESIS

### GENERAL WIRING MAP.



### SUGGESTIONS.

**HANDLING.** Do not modify and manipulate the Integrated circuit and/or the module with operation not described in this instructions manual. We are not responsible of this module if you do not respect these data.

**RECORDER.** It is not necessary that you speak up or near from the microphone.  
Thanks to the ACG system, the circuit could control the volume level.

**LOUDSPEAKER.** In order to appreciate the Sound Quality of our TR-6 circuit, we suggest you to use a 8 Ohms loudspeakers and with a minimum power of 10 W.

### TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

**By Fax.** +34.93.432.29.95

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

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

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

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

**WARRANTY**

**3  
YEARS**

**MORE 300  
MODULES.**

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.

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