

Cod. 87163

OWNER'S MANUAL



Important-Safety Precautions

- To prevent fire or shock hazard, do not expose this device to rain or moisture.
- To avoid electrical shock, do not open this product.
- This device should be operated to use only the power supply included with it or provided as all accessory.

Checking Contents of Box

Check to make sure that all of the items shown as below are included with your 2077TR system:



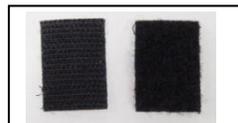
Transmitter (87163T)



Receiver



Power Adapter

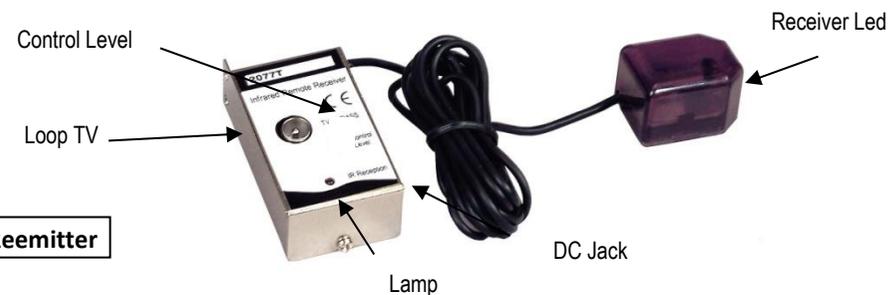


4 fasten Strip

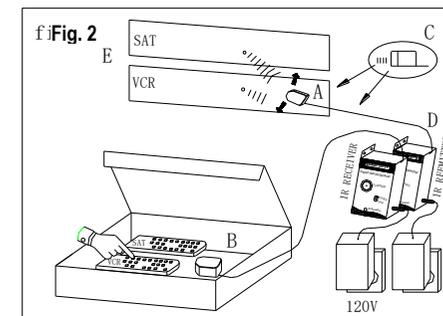
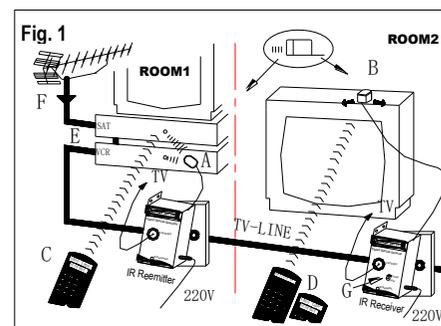
Introduction

With 87163 Remote control Extension System you will be able to control (from any TV-SET of the house) any infrared equipment connected to another TV-SET (Digital or analog Satellite Receivers, VCR, CATV, HIFI, etc).

Panel Controls and Features of Universal Type

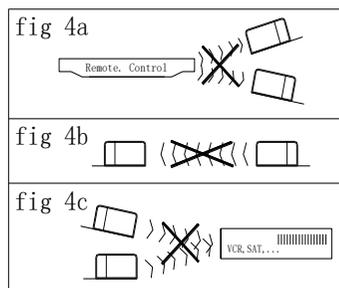


Setting up



- For the correct location of the reemitter led over the equipment to be controlled (fig 1-A), it is convenient to interconnect reemitter and receiver according to fig1-D, locating the receiver led «B» in a box in front of the remote controls. Before connecting 2077T/R power supplies to 230V, make sure that (from inside the box) the controls don't operate the equipment «E»
- You can now plug the power supplies and optimize the position of the reemitter Led «A» over the equipment «E» (operating remote controls at the same time). Keep in mind that the infrared leds emit and receive by the opposed part to the entrance of cable (see fig1-c).
- Make the assembly of the fig2 locating the REEMITTER on the TV-socket next to the equipments to be controlled (room1) and the RECEIVER on the TV-socket of the remote TV-set (room2). Receiver led (B) doesn't receive directly the emissions of reemitter led(A) and Remote controls operate normally after connecting 2077T/R power supplies (see fig2-c). Optimize now the situation of the B Led (fig2) for a correct Operation of the remote controls «D» on the equipment to be controlled «E»

- Note: It is convenient to begin this operation with the receiver level to maximum (fig2-G), minimizing later to an operative level without saturations and interferences.
- In order to receive the equipment signal from all the TV-sets, you must have the equipment connected to the head of the installation as in fig2-E or in figs 3A, 3B or 3C. We recommend you the use of DIGI-SENDER/AV SENDER fig3C so as to carry out the function.



- Be careful that receiver and reemitter leds are correctly pointed without intermediate obstacles.
- Be careful that receiver and reemitter leds are correctly pointed without intermediate obstacles (see fig1-A and (ig2-B).
- At any point of the installation there is not an amplifier.
- In case of doubt or persistence of any problem consult your distributor.



Specifications

- **TRANSMITTER**
Cod. 87163T
 VHF/UHF attenuation: 0.5 dB
 Control Signal:
 Infrared Freq. Input: 35÷41 KHz
 Modulation Level: 0dBm (0÷10 dB reg.)
 Size: 70x38x23.5 mm
 Weight: 120 g
- **RECEIVER**
 VHF/UHF attenuation: 0.5 dB
 Control Signal:
 Input Frequency: 11 MHz ASK
 minimum Level: 50 dBµV
 Infrared Frequency output: 37 +/- 1 KHz
 Size: 70x38x23.5 mm
 Weight: 130 g

Trouble shooting

If you have some difficulties, consult the following table. It will guide you though the most common problems and their solutions.

- **Problem:** Reemitter Led does not work
Solution 1: Check power supplies
Solution 2: Adjust controlling Level
- **Problem:** No picture and sound
Solution 1: Check TV Bypass connections
Solution 2: Check power supplies
- **Problem:** Remote controls do not work
Solution 1: Be careful that receiver and reemitter leds are orrectly pointed without intermediate obstacles.
Solution 2: At any point of the installation there are some amplifiers

