



### Technical Specifications

- The board consist in a simple though complete stereo FM transmitter, operating in commercial FM broadcasting band.
- The equipment is complete of audio amplifiers, stereo encoder, quartz-controlled PLL local oscillator and RF and output stages.
- Operating frequency of the transmitter: 96MHz that is included in the commercial FM band 88 to 108 MHz range.
- Output RF power: about 100 mW.
- For the board is supplied a +15 V stabilized source is required.
- The consumption is not exceed 300 mA in worst case.
- The design features of the board and the low power levels concerned is allow it to be used within the limits of current rules concerning the undue radiations.
- The board is provided with a banana-terminated stackable cable set, of adequate length and colour, and with educational handbook.

### Technical features:

- The equipment is provided with audio amplifiers, stereo decoder, quartz controlled PLL local oscillator and RF and output stages.
- Transmitter working frequency: within the band 88 - 108 MHz.
- RF output power: limited to 100 mW approx. in order not to interfere with public broadcasting.
- Power supply: + 15 Vdc, 300 mA

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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**With this module it is possible to perform the following experiments:**

- Experimental functional study of the transmitter
- Study of channel Amplifiers and encoding Array
- Study of the stereo Encoder
- Study of the modulator
- Study of the RF amplifier and power amplifier

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