

PORTABLE 15W FM TRANSMITTER MRI 15 DIG



The **portable FM transmitter MRI 15 DIG** is specially designed for the following applications: Civil Defense, Armed and security Forces, electoral campaigns, religious orders, small communities, etc. This portable transmitter MRI 15 DIG is composed by a four audio-channel mixer and an externally synthesized 15W FM transmitter with RF output signal. It has been designed to work as an emergency radio station, easy to use and to install.

MAIN ADVANTAGES

- It can be used as a small radio station in rural areas or as an exciter, if needed.
- LCD display of forward/reflected power.
- FM band modulation in 10KHz steps.
- It can work with internal or external 12VDC power supplies, and also with an AC power supply between 110 ~220VAC.
- Great performance and versatility.

GENERAL CHARACTERISTICS

OPERATING FREQUENCY RANGE	87.5-108MHz
MODULATION	FM class F3
VCO TUNING	25MHz max
FREQUENCY STABILITY	±2.5 ppm TCXO
LOCAL OSCILATOR STEP	10KHz
OUTPUT POWER	Adjustable, 0-15Wrms
SPURIOUS	<-80dBc

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HARMONICS	<-65dBc
DISTORTION	<0.2%/1KHz without limiting
BASEBAND LINE AND MICRO INPUT	0.5dB from 30Hz to 15KHz
BASEBAND MPX INPUT	0.3dB from 30Hz to 60KHz
UNWEIGHTED S/N RATIO	70dB rms with 50µs
ASYNCHRONOUS AM S/N RATIO	>65dB ref. 100% AM/400Hz
SYNCHRONOUS AM S/N RATIO	>60dB with FM/75KHz/400Hz
PRE-EMPHASIS	50 or 75µs in line/micro inputs
RF CONNECTORS	N(F), 50Ω
LINE INPUT IMPEDANCE	5KΩ
MICRO INPUT IMPEDANCE	600Ω
MPX INPUT IMPEDANCE	1KΩ
PARAMETERS VISUALIZATION	LCD display
FREQUENCY TUNING	Two keys with password
COOLING	Convection
OPERATING TEMPERATURE RANGE	0 to +45°C
MAXIMUM HUMIDITY	90% max. without condensation
AC POWER SUPPLY	100-220VCA. 47/63Hz
EXTERNAL DC POWER SUPPLY	1 15V negative to ground
INTERNAL DC POWER SUPPLY	12V 6A battery
AUTONOMY	around 1.5 hours at marked output power
DIMENSIONS	360x230x230mm
WEIGHT	6.5kg