



ELTRONIKA

SRL



THE ONLY ONE WITH
**TOUCH-SCREEN
DISPLAY**

FM Stereo Radio Transmitter **MIRA**

30W - 250W OUTPUT POWER

MIRA Caratteristiche principali:



- Qualità del suono digitale
- Elevato rapporto segnale/rumore 90dB
- Elevata separazione stereo 60dB
- L'unico con display touch-screen
- Tutte le funzioni sono gestite attraverso il touch-screen
- Controllato completamente da microprocessore
- Alimentazione switching-mode
- Ampio range di potenza disponibile 30/150/250W
- Completamente telecommandabile con RS232 e software dedicato

MIRA Main features:



- Digital sound quality
- High signal-to-noise ratio 90dB
- High stereo separation 60dB
- The only one with touch-screen display
- All functions are managed via touch-screen
- Completely microprocessor controlled
- Switching-mode power supply
- Wide power range available 30/150/250W
- Completely remotely controllable with RS232 and dedicated software

MIRA Características principales:



- Calidad de sonido digital
- Alto índice de señal/ruido 90dB
- Alta separación stereo 60dB
- El único con pantalla digital (touch-screen)
- Todas las funciones son manejadas via pantalla digital (touch-screen)
- Microprocesador controlado completamente
- Fuente de poder switching-mode
- Amplio rango de poder disponible 30/150/250W
- Completamente controlable remotamente con el software dedicado RS232

Complete series of FM MIRA Transmitter:

- MIRA30, Power 30W
- MIRA250, Power 250W

- MIRA30S, Power 30W, with Stereo Coder
- MIRA250S, Power 250W, with Stereo Coder

TECHNICAL SPECIFICATIONS

RF SECTION

Frequency range	87.5 - 108MHz, 10/50/100kHz (from front panel)
Reference stability	± 2.5ppm (0° - 50°C)
Lockable to external reference	5/10MHz (from front panel)
Output power	30W (250W on request)
Automatic level control	5-100% (from front panel)
Output impedance/connectors	50 Ω /N
RF Monitor level/connectors	-30dBc/BNC
Off lock attenuation	> 60dB
Asynchronous AM S/N ratio	> 65dB
Synchronous AM S/N ratio	> 60dB
Spurious and harmonic suppression	Meets or exceeds all FCC and CCIR requirements
Modulation capability	Meets or exceeds all FCC and CCIR requirements

SOUND SECTION

MPX	Audio input impedance	600 Ω/10k (internal jumper), balanced
	Audio input connector	XLR
	Audio input level	2Vpp nominal (-6dB / +12dB from front panel)
	Frequency amplitude response	± 0.05dB 20-53kHz ±0.1dB 53-100kHz
	Harmonic distortion	< 0.1% 20-100kHz (0.05% 20-53kHz)
	S/N Ratio with CCIR unweighted	83dB (400Hz reference for ± 75kHz deviation with 50µs de-emphasis)
	S/N Ratio with CCIR weighted	80dB (400Hz reference for ± 75kHz deviation with 50µs de-emphasis)
MONO OPERATION	S/N Ratio with RMS Detector	90dB (400Hz reference for ± 75kHz deviation with 50µs de-emphasis)
	Audio input impedance	600 Ω/10k (internal jumper), balanced
	Audio input connector	XLR
	Audio input level	2Vpp nominal (-6dB / +12dB from front panel)
	Frequency amplitude response	± 0.2dB 30-15kHz
	Harmonic distortion	< 0.05% 30-15kHz
	Pre-emphasis	Flat, 50µs, 75µs (from front panel)
INT. CODER OPER.	S/N Ratio with CCIR unweighted filter	82dB
	S/N Ratio with CCIR weighted filter	78dB
	Audio input impedance	600 Ω/10k (internal jumper), balanced
	Audio input connector	XLR
	Audio input level	2Vpp nominal (-6dB / +12dB from front panel)
	Frequency amplitude response	± 0.2dB 30-15kHz
	Harmonic distortion	< 0.05% 30-15kHz
SCA OPER. (2 Input)	Pre-emphasis	Flat, 50µs, 75µs (from front panel)
	Stereo separation	> 50dB (tip. 60dB) 30-15kHz
	S/N Ratio with CCIR unweighted filter	76dB (with 50µs de-emphasis)
	S/N Ratio with CCIR weighted filter	72dB (with 50µs de-emphasis)
	Audio input impedance	10k Ω, unbalanced
	Audio input connector	BNC
	Audio input level	2Vpp nominal for ± 75kHz deviation (-6dB / +12dB from rear panel)
AUXILIARY	Frequency amplitude response	± 0.1dB 40-100kHz
	Serial interface	RS232, RS485 (with host computer/modem)
	Serial interface	I ² C bus for power amplifier control

GENERAL

AC Power requirements	110-220Vac 50/60Hz
Panel size	Rack 19"-3U
Ambient temperature range	-5° to +45°C
Dimensions	370x485x130mm
Weight	12kg



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