

## EMETTEUR FM COMPACT TSC MP 6000W

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### CARACTÉRISTIQUES PRINCIPALES

- ▶ Faible consommation en énergie électrique
- ▶ Puissance RF nominale 6000watts
- ▶ Rapport signal bruit dans bande FM typ. -80 dB
- ▶ Séparation L&R stéréo codeur typ. 60 dB
- ▶ Distorsion audio extrêmement faible de 0,01%
- ▶ Large bande FM de 87,5 à 108 MHz
- ▶ Utilise la 6ème LD-mos génération VSWR 65: 1
- ▶ Grand écran LCD couleur avec écran tactile
- ▶ Alimentation AC 90-260 VAC ( à découpage )
- ▶ Normes de fabrication CCIR , FCC , CE conforme
- ▶ Contrôle à distance par téléphone mobile
- ▶ Serveur web
- ▶ codeur stéréo digital intégré et commutable

### OPTIONS

- ▶ Entrée digitale AES/EBU
- ▶ Codeur RDS
- ▶ Contrôle à distance via protocole SNMP
- ▶ Entrée streaming audio
- ▶ Modulateur digital



Écran tactile



Logiciel  
ENERGY SAVING



Interface audio  
complète



Contrôle à  
distance

## CARACTÉRISTIQUES TECHNIQUES



### GENERAL

Power Output	6000W adjustable from front panel
RF Output Impedance	50 ohm
RF Output Connector	7/8"
Monitor RF	BNC connector
VSWR	1,5:1 WITH AUTOMATIC FOLDBACK
Frequency Range	87.5 ÷ 108.00 MHz
Frequency Stability	±1 ppm from -5 to 45°C
External Reference	10 MHz BNC connector back panel
Type of Modulation	Analogor or digital (OPTION)
Off Lock Attenuation	≥ -80 dBc
Modulation Capability	±150 KHz
Limiter built in	Yes
Power Good Detector	adjustable from 20÷90% of the power
Audio Presence Detector	adjustable time from front panel
External AGC	Automatic, with fine ADJ back panel
Modulation Mode	Mono, Stereo, Multiplex, SCA, RDS, Aux
Preemphasis	Flat/50/75µs selectable from front panel
Asynchronous	AM S/N Ratio -70 dB
Synchronous	AM S/N Ratio -65 dB
RF Harmonics	Exceeds EBU/CCIR/FCC requirements
RF Spurious	Exceeds EBU/CCIR/FCC requirements

## Mode Mono

Input Impedance	600 ohm - 10 Kohm balanced
Input Level	-6 to +12 dBm
Input Connector	XLR female
Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0.01% @ 400 Hz
Intermodulation Distortion	0.01%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.01% 2.96KHz square wave and 14 KHz sine wave
Distortion	0.01% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.

## Mode Stéréo

Input Impedance	600 ohm - 10 Kohm balanced
Input Level	-6 to +12 dBm
Input Connector	XLR female
Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0.01% @ 400 Hz
Intermodulation Distortion	0.01%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.01% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.
Stereo Separation	20 Hz ÷ 15 KHz ≥ -60dB
Crosstalk attenuation	Main to Sub -70 dB 30 Hz to 15 KHz
38 KHz Suppression	≥ -85 dB
Pilot Frequency	19 KHz ± 1 Hz
Output Pilot	1 Vpp., BNC female

## MULTIPLEX OPERATION

Composite Input Impedance	2 Kohm unbalanced
Composite Input Level	-6 to +12 dBm
Input Connector	BNC female
Composite Amplitude Response	±0.1 dB, 30 Hz to 100 KHz
Total Harmonic Distortion + Noise	0.01% @ 400 Hz
Intermodulation Distortion	0.01%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.01% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev

## AES/EBU OPERATION

Input Connector	XLR female, optical TOS-LINK
Input Impedance	110 ohm
Input Level	-20 to +0 dBfs
Data Format	S/PDF, AES/EBU, IEC958, EIAJCP340/1201
Sampling Frequency	from 32 to 96 KHz

## SCA, RDS, AUX OPERATION

Input Impedance	≥ 2 Kohm
Input Level	-6 to +12 dBm
Frequency Response	±0.1 dB, 50 KHz to 100 KHz
Input Connector	BNC female

## AUXILIARY CONNECTIONS

CAN BUS/RS485	DB9 connector back panel
Telemetry Interface	connector DB25 back panel
LAN	RJ45 connector back panel
MPX OUT	connector BNC back panel

## OPTIONS

AES/EBU -SPDIF	
RDS/RBDS Programmable Coder via PC	
OIRT or JPN version	
SNMP	
Audio IP	

## ELECTRICAL

AC Input Power	180÷400VAC 50/60 HZ 3 phases
Power Consumption	8800VA @ 6000W
Cos Ø	> 0.98
Cooling	Forced air

## ENVIRONMENTAL

Operating temperature	-5°C to +50°C
Max Operating Altitude	2000 mt
Relative Humidity Range	0 to 90%

## PHYSICAL DIMENSION

Mounting	Standard 19" chassis 4 U rack
Size	W x 570 mm. D x 450 mm. H x 176 mm
Weight	~ 28 Kg