



EXC2000GX RFB2000GX FM TRANSMITTER / FM AMPLIFIER



The **EXC2000GX** is the **2000W** rated model of the innovative **GX** Transmitter family appreciated for their great efficiency and versatility, due to 3 intrinsic factors: decreased weight, minimal size and reduced consumptions. As per all the **GX** devices, deciding to buy an **EXC2000GX** represents a winning choice because it allows to obtain remarkable benefits for all the product life.

The new basic amplifier modules gives 1200W with LDMOS transistors of the latest generation that has in fact allowed to increase the power while increasing the efficiency that now is close to 70%.

Just from beginning, it ensures savings on the transport costs and rent burdens of the station where it is installed only for its small size and weight. Even more important, also during its normal job it pays back day by day, thanks to the lowest electrical costs of its class which minimize the electric bill.

With its 21 kg and compact dimensions in 3U, the transmitter is easy to transport and easy to install in any 19" rack. Many options are available on request. The most common are: the internal high quality stereo coder, the **AES / EBU** digital input, the remote control board via Ethernet allowing remote controlling from anywhere in the world (with devices like PC or mobile devices like smartphone), the remote control via **GSM** modem and the **RDS** board.

The RFB2000GX amplifier, without the FM modulator and the internal driver, can be driven by any external exciter of small power such as our EXC30GT with power duly reduced to 25W.

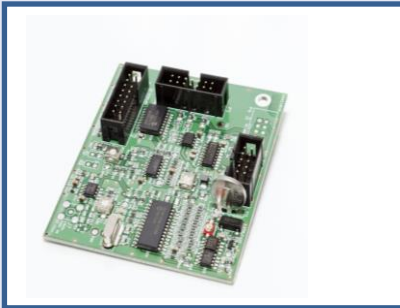
It meets or exceeds FCC or CCIR requirements.



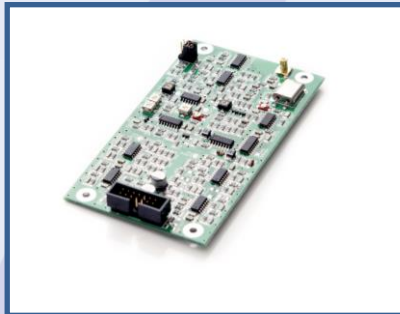
OPTIONS



Web server – Web server + GSM



RDS



STEREO ENCODER

TECHNICAL DATA

Frequency range		from 87,5 to 108 MHz
Transmitter tuning steps		10/100 KHz
Frequency stability / error		± 250Hz over temperature range – 100Hz/year
Modulation	FM	75 KHz peak, adjustable (180KF3E/256KF8E)
Audio and Mpx input level		from -3,5 to +12,5 dBm @ 75 KHz deviation
Auxiliary input channel level	SCA	from -12,5 to +3,5 dBm @ 7,5 KHz deviation
	RDS	from -24 to -8 dBm @ 2 KHz deviation
Modulation distortion	75 KHz dev.	<0.03%, 0.02% typical
S/N ratio, mono	30÷20000Hz	>76 dB, 83 typical
	CCIR	>75 dB, 79 typical
S/N ratio, stereo	30÷20000Hz	>72 dB, 77 typical
	CCIR	>68 dB, 72 typical
Audio channels frequency response	30÷15000 Hz	±0.1 dB
MPX input frequency response	30÷100000 Hz	±0.1 dB
Pre-emphasis time constant		0/50/75 µs selectable
Rated RF output power		2000W
RF Driver power		25W
Output power ALC stability		±3%
Harmonic and spurious emissions		<70dB (harmonic), <80 dBc (spurious)
RF output connector		7/16"
Power supply	Single phase	230 Vac +10/-15%
	Three phase	230Vac 3 wires, 400Vac 3+N +10/-15%.
Total consumption at rated RF power		2800W typ. 3200W max
Efficiency		> 67% typical
Operative temperature range	suggested	from 0 to 35 °C
	extreme	from -10 to +45 °C (50°C max with derating)
Relative humidity		up to 95% not condensing
Dimensions (WxHxD)		483x133x586 mm
Weight		21kg

These data are subject of variations without notice.

