

# exciters/transmitters

- > *easy maintenance series*
- > **compact with integrated exciters series**
- > *high fidelity series*

**TEX500 LCD**  
**TEX700 LCD**  
**TEX1000LIGHT**



TEX1000-LIGHT front view

## Features

- > **PRIMARY APPLICATION:** RVR TEX transmitters offer uncompromised transmission quality at a very attractive price. Ideal for use as drivers for mid-power stations or as transmitters in stand-alone applications. Adjustable power output from 0 Watt to maximum output power.
- > **AUDIO PERFORMANCE:** key audio features are low distortion and intermodulation values and a high noise/signal ratio.
- > **HARDWARE FEATURES:** RVR TEX transmitters are compact (525mm depth only) and indeformable thanks to the stainless steel chassis, in 3 rack units only.
- > **USER-FRIENDLY FEATURES:** universal 80-260 V multi-voltage power supply enables operation on different mains voltages with no need to preselect voltage. Pushbuttons for user/device interaction provide enhanced accessibility, resulting in extreme ease of use. Configuration software offers a simple, intuitive interface.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- > **RELIABILITY/CONTINUITY:** the SMD technology ensures enhanced business continuity. APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.
- > **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu or via RS232 with all key parameters displayed on LCD.
- > **INPUT/OUTPUT INTERFACE:** built-in high-performance stereo coder, L&R analogue audio inputs, Mono inputs, MPX composite signal and auxiliary inputs for SCA / RDS signals.
- > **REMOTE CONTROL:** built-in Telemetry System with GSM modem, battery and battery charger (option).
- > **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

stereo/MPX FM exciters 87,5 - 108 MHz

(Oirt and  
JPN Band  
upon  
request)



TEX1000-LIGHT rear view

### Caratteristiche

- > **PRIMARY APPLICATION:** i trasmettitori della linea **TEX RVR** sono sinonimo di qualità di trasmissione senza compromessi ad un prezzo estremamente contenuto. Ideali come driver per stazioni di media potenza o come trasmettitori in applicazioni stand-alone. Potenza di uscita regolabile da 0 Watt alla massima potenza erogabile.
- > **AUDIO PERFORMANCE:** le caratteristiche audio di rilievo di questi apparati sono i bassi valori di distorsione, di intermodulazione e l'alto rapporto segnale rumore.
- > **HARDWARE FEATURES:** i **TEX RVR** sono compatti solo 525 mm di profondità e indeformabili perchè realizzati in chassis di acciaio inox, in sole 3 unità rack.
- > **USER-FRIENDLY FEATURES:** utilizzabili a diverse tensioni di rete per mezzo di un'alimentatore universale multitensione da 80 V a 260 V senza necessità di preselezione. Estrema semplicità d'utilizzo, data dall'accessibilità fornita dai tasti a pressione per l'iterazione fra l'utente e l'apparato. Interfaccia del software di configurazione intuitiva e semplificata.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita dalla tecnologia costruttiva SMD. Funzionamento in qualsiasi condizione di lavoro, assicurato dal controllo automatico APC e la protezione di Foldback.
- > **INTERFACE CONTROL:** controllo completo basato su di un micro-processore facilmente programmabile da menu o via RS232 con lettura su display LCD di tutti i parametri principali.
- > **INPUT/OUTPUT INTERFACE:** stereo coder integrato ad elevate prestazioni, ingressi audio analogici L&R, Mono e segnale composto MPX ed ausiliari per segnali SCA / RDS.
- > **REMOTE CONTROL:** sistema di telemetria integrato con modem GSM, batteria e caricabatteria (versione vendibile opzionalmente).
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

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## Technical specifications

Parameters	TEX500LCD	TEX700LCD	TEX1000LIGHT
	Values	Values	Values
<b>GENERALS</b>			
Rated output power	500W	700W	1000W
Frequency range	FCC -CCIR and other on request		
Operational Mode	Mono, Stereo, Multiplex		
Modulation type	F3E		
Primary Power	80 ± 260 Vac		
AC Power Consumption	920 VA / 900 W / PF: 0,98	1215 VA / 1190 W / PF:0,98	1650 VA / 1617 W / PF: 0,98
Overall efficiency	55%	59%	62%
Physical Dimensions (W x H x D)	483 x 132 x 520 mm		
Weight	23 kg		
Environmental Working Conditions	-10 ÷ +50 °C / 95% relative Humidity non condensing		
Cooling	Forced, with internal fan		
Frequency programmability	From software, with 10 kHz steps		
Frequency stability	±1 ppm		
Pre-emphasis mode	0/50 (CCIR) µS, 75 (FCC) µS		
Spurious & harmonic suppression	<75 dBc (80 typical)		
Asynchronous AM S/N ratio	≥60 dB (typical 68)		
Synchronous AM S/N ratio	≥50 dB (typical 58)		
<b>MONO OPERATION</b>			
S/N FM Ratio	> 80 dB RMS (typical 83 dB)		
Frequency Response	< ± 0.5 dB 30Hz ÷ 15kHz (typical ± 0.2 dB)		
Total Harmonic Distortion	< 0.1 % 30 Hz ÷ 15 kHz (typical 0.07 %)		
Intermodulation distortion	< 0.02 % with 1 kHz and 1,3 kHz tones		
<b>MPX OPERATION</b>			
Composite S/N FM Ratio	> 80 dB RMS (typical 83 dB)		
Frequency Response	± 0.2 dB 30Hz ÷ 53kHz / ± 0.5 dB 53kHz ÷ 100 kHz		
Total Harmonic Distortion	< 0.1% 30Hz ÷ 53kHz		
Intermodulation distortion	< 0.05% with 1 kHz and 1,3 kHz tones		
<b>INTERNAL STEREO CODER OPERATION</b>			
Stereo S/N FM Ratio	> 75 dB RMS (typical 77dB)		
Frequency Response	± 0.5 dB 30 Hz ÷ 15 kHz		
Total Harmonic Distortion	< 0.05% 30 Hz ÷ 15 kHz		
Intermodulation distortion	≤0.03% with 1 kHz and 1,3 kHz tones		
Stereo separation	> 50 dB 30 Hz ÷ 15 kHz (typical 55 dB)		
<b>AUDIO INPUT CONNECTORS</b>			
Left / Right	XLR balanced; Impedance: 10 k or 600 ohm; Level: -13 to +13 dBu		
MPX unbalanced/RDS	BNC unbalanced; Impedance: 10 k or 50 ohm; Level: -13 to +13 dBu		
SCA/RDS	2 x BNC unbalanced; Impedance: 10 k; Level: -8 to +13 dBu		
<b>OTHER CONNECTORS</b>			
RF Output	N (50 ohm)		
RF Monitor	BNC (- 30dB referred to RF output )		
Pilot output	BNC (1Vpp)		
Interlock Input	BNC		
<b>STANDARD COMPLIANCE</b>			
Safety	EN 60215:1989 EN60215/A1:1992-07 EN60215/A2:1994-09		
EMC	EN 301 489-1 V1.4.1 (2002-08) EN 301 489-11 V1.2.1 (2002-11)		
Radio	EN 302 018-2 V1.2.1 (2005-06)		

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice.  
These are general specifications. They show typical values and are subject to change without notice.

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## Ordering information

### Options for TEX-LCD - Opzioni per TEX-LCD

Code	Description
/CW	Morse-coded station ID code generated through FSK (Frequency Shift Keying) function * <i>Codice identificativo della radio via codice Morse attraverso la funzione FSK (Frequency Shift Keying) *</i>
/CNT7/8-150	7/8" output RF connector. ** <i>Connettore RF di uscita 7/8". **</i>
TCPIPINT-TEX	Telemetry system via the Internet <i>Sistema di telemetria attraverso internet</i>
/TLM-TEX2HE	Telemetry system via internal GSM modem Battery and battery changer included <i>Sistema di telemetria attraverso modem GSM interno Batteria e caricabatterie incluse</i>
/TLC-TEX2HE	Internal telemetry system without GSM modem <i>Sistema di telemetria interna senza modem GSM</i>
/MODGSM	Telemetry system via internal GSM modem <i>Sistema di telemetria attraverso modem GSM interno</i>
/MODPSTN	Telemetry system via internal PSTN modem <i>Sistema di telemetria attraverso modem PSTN interno</i>
TELINK-C1	Telemetry interface ANTLAN/BURK protocol <i>Interfaccia di telemetria protocollo ANTLAN/BURK</i>
TELINK-SNMP2	Telemetry interface RVR/SNMP 1 HE <i>Interfaccia di telemetria RVR/SNMP</i>

\* Please specify station name on order.

\* *Si prega di specificare il nome della stazione in fase di ordine d'acquisto.*

\*\* Available for model TEX1000LIGHT

\*\* *Disponibile per il modello TEX1000LIGHT*



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