

TECHNICAL MANUAL
TRP 8400 D SERIES *

**** NOTE. The technical manual for the TRP 8400 series is based on the TRP 8250 D series manual, with all deviations described in the rear AMENDMENTS .***

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Due to the constant processing of the experience gained during production and operation of our equipment, minor modifications may occur relative to the information given in this Manual. Whenever practicable corrections will be listed on a correction sheet in the Amendments chapter of this Manual.

TRP 8000 Type Review

Facility or feature			Type number ¹⁾²⁾										
			TRP 8X50	TRP 8X51	TRP 8X52	TRP 8X53	TRP 8X54	TRP 8X55	TRP 8X56	TRP 8X57	TRP 8X58		
Simplex/Duplex ³⁾			S/D	S/D	S/D	S/D	S/D	S/D	S/D	S/D	S/D		
Output power	WATT PEP		250/750	250/750	250/750	250/750	250/750	250/750	250	250/750	250		
	Reduced power	From 150 W to 150 W between 1.6 - 4 MHz	○	○	○	○	○	○	○	○	●		
		From 750 W to 400 W between 1.6 - 4 MHz	●	●	●	●	○	○		●			
		Overall reduction	○	○	○	○	○	○	○	○	○		
Frequency range	Receiver: 10 kHz - 30 MHz		●	●	●	●	●	●	●	●	●		
	Transmitter 1.2 - 30 MHz	Marine bands, channels or ⁴⁾ transmission frequencies ⁵⁾	●										
		Marine bands, free frequency ⁵⁾		●	●								
		Free frequency				●	●	●	●	●	●		
500 kHz facility					○				○ ⁶⁾				
Modes	SSB	USB, J3E & R3E		●	●	●	●	●	●	● ⁷⁾	●	●	
		LSB, J3E	Reception		●	●	●	●	●	●	●	●	
			Transmission		○	○	○	○	●	●	●	○	●
			LSB-key disabled		○	○	○	○	○	○	○	○	○
			Transmission disabled		●	●	●	●	○	○	○	●	○
	AM	H3E	Reception		●	●	●	●	●	●	●	●	●
			Transmission	Full range	○	○	○	○	●	●	●	○	●
				2182 kHz only	●	●	●	●	○	○	○	●	○
				Disabled except 2182 kHz trans.		●	●	●	●	○	○	○	●
	CW	A1A				●			●		●		
	MCW	H2A				●			●		●		
	Telex	F1B (incl. Telex filters).		○	○	●	○	○	●	○	●	○	
Alarm 2182 kHz	Two-tone alarm generator		●	●	●	●				●	●		
	Alarmtest into dummy load ⁸⁾		○	○	○	○				○			
Scanning	Enabled		●	●	●	●	●	●	●	●	●		
	Disabled		○	○	○	○	○	○	○	○	○		

Legend:

- : Standard facility/feature
- : Optional facility/feature

Type number ¹⁾ 2)		TRP 8X50	TRP 8X51	TRP 8X52	TRP 8X53	TRP 8X54	TRP 8X55	TRP 8X56	TRP 8X57	TRP 8X58
Facility or feature										
Memory	76 user-programmable frequency pairs	● ³⁾	●	●	●	●	●	●	●	●
	1017 pre-program. freq. pairs ⁴⁾ (incl. ITU chan. in marine vers.)	●	○	○	○	○	○	○	○	○
	ITU channels, pre-programmed	●	●	●	●				●	●
	Pre-programmed reception frequencies	○	○	○	○	○	○	○	○	○
Receiver gain control	Autom. Gain cont. (AGC)	On/off	●	●	●	●	●		●	
		Slow/fast			●		●		●	
	RF amplifier (RF AMP)		●	●	●	●	●		●	
	Antenna attenuator (ANT ATT)		●	●	●	●	●		●	
Frequency stability	1.5 PPM		●	●	●	●	●	●	●	
	0.8 PPM		○	○	○	○	○	○	○	●
	0.4 PPM		○	○	○	○	○	○	○	○
Telex facilities	1500-2000 Hz telex offset ⁴⁾ (1700 Hz is standard)		○	○	○	○	○	○	○	○
	Display of carrier frequency (assigned freq. is standard)		○	○	○	○	○	○	○	○
	Unattended telex (AUTO-TELEX) ¹⁰⁾		○	○	○	○	○	○	○	○
	MARITEX ¹⁰⁾		○	○	○	○	○	○	○	○
Antenna Tuning unit (ATU)	ATU with built-in ant. switch ¹¹⁾ (built-in PCB 641).		○	○	○	○	○	○	○	○
	Antenna disconnected in tx-off ⁶⁾		○	○	○	○	○	○	○	
Morse Facilities	Selectable band widths				●		●		●	
	BFO				●		●		●	
Real time clock		●	●	●	●	●	●	●	●	●
Squelch		○	○	○	○	○	○	○	○	●
Line transformer		○	○	○	○	○	○	○	○	○
Automatic keying device (AKD) ¹²⁾ ¹³⁾				○					○ ⁶⁾	
REMOTE CONTROL ¹⁰⁾ ¹³⁾ ¹⁴⁾		○	○	○ ¹³⁾	○	○	○	○	○ ¹³⁾	○
Frequency displays disabled		○	○	○	○	○	○	○	○	○
Power Supply	12/24/32 volt or 24/32 volt battery ¹⁵⁾		●	●	●	●	●	●	●	●
	110/120/220/240 volt AC power supply ¹⁶⁾		○	○	○	○	○	○	○	○
	3x380/3x220/3x440 volt AC power supply ⁶⁾ ¹⁶⁾		○	○	○	○	○		○	

Legend:

- : Standard facility/feature
- : Optional facility/feature