

maxon

SM 4000 SERIES



VHF synthesised mobile radio

MAXON SYNTHESISED VHF MOBILE RADIO

You need to be in touch when on the move and we can show you how a synthesized mobile radio will keep you in easy reach when you cannot get to a telephone. A natural choice for both large and small systems, Maxon mobiles deliver high quality performance for exceptional value in a very compact and lightweight communications package. Maxon units have consistently proven themselves under the toughest field conditions worldwide and we'll prove ourselves to you too! Maxon radios come to you with all necessary accessories included in the price (except the antenna).

This microprocessor controlled mobile radio has 16 synthesized channels and is designed to CEPT specifications. It is ideally suited to systems applications and incorporates many features new to Maxon such as built-in CTCSS and transmit timeout timer. The stylish die-cast housing is exceptionally rugged and there is a unique feature of a visible safety shutdown alarm in case of a defective aerial.

The preparation procedure for your Maxon synthesized mobile radio is simple. Your dealer will use a Maxon Programmer in conjunction with a personal computer, following a very basic set of instructions. The days of crystallising delays are over now that there is this over-the-counter service available. Any re-configuration of your radio which may be required is also instant.

The story does not end there — all Maxon equipment is backed by comprehensive dealer services. These include prompt delivery, optional extended warranty, covering all parts and labour; and there's much more. Maxon engineers are available to give technical advice or assistance. Talk to your dealer about the benefits of choosing a Maxon synthesised mobile radio. You'll be glad you did.

NOT JUST A PRODUCT BUT A PARTNERSHIP

MAXON SYNTHESISED VHF MOBILE RADIO

GENERAL	SM4050-S * SM4050-N *	SM4150 * SMX-4150 *	SM4450-S * SM4450-N *
Frequency Range	66-88 MHz	148-174 MHz	400-512 MHz
Number of Channels	16	16	16
Channel Spacing	30 KHz/12.5 KHz	30 KHz/12.5 KHz	25 KHz/12.5 KHz
Class of Emission	F3	F3	F3
Operating Temperature	-30° to +60°C	-30° to +60°C	-30° to +60°C
Power Source	-ve gnd 12 V d.c.	-ve gnd 12 V d.c.	-ve gnd 12 V d.c.
Nominal Dimensions (H x W x D)	2" x 6" x 7 1/2" (50x150x185mm)	2" x 6" x 7 1/2" (50x150x185mm)	2" x 6" x 7 1/2" (50x150x185mm)
Weight	4 1/2 lbs (2 Kg)	4 1/2 lbs (2 Kg)	4 1/2 lbs (2 Kg)
Case Material	Zinc plated steel with Noryl 190 fascia	Zinc plated steel with Noryl 190 fascia	Zinc plated steel with Noryl 190 fascia

Programming is a quick and simple operation



TRANSMITTER (measurements made to MPT 1326 and CEPT T/R 24-01 as applicable)

RF Output	25W Nominal	25W Nominal	25W Nominal
Frequency Stability	±0.0005%	±0.0005%	±0.0005%
Channel Spread	10 MHz	10 MHz	10 MHz
Maximum Deviation	5.0 KHz/12.5 KHz	5.0 KHz/12.5 KHz	5.0 KHz/12.5 KHz
Adjacent Channel Power	-75 dBc	-75 dBc	-75 dBc
Spurious and Harmonic Emissions	0.25 uW	0.25 uW	0.25 uW
F M Hum and Noise	-45 dB	-45 dB	-45 dB
Audio Distortion	5%	5%	5%

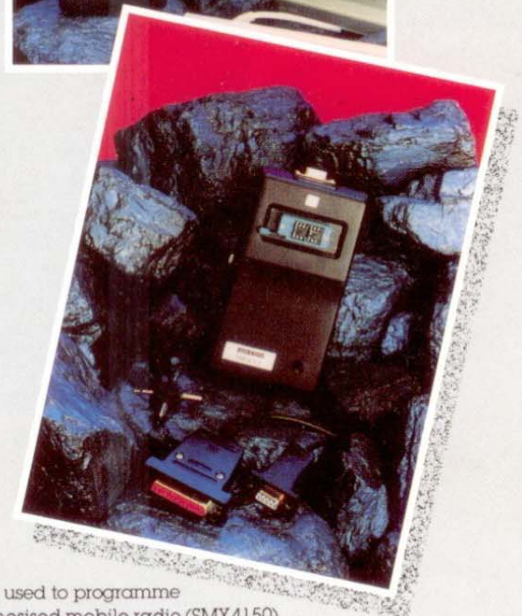
RECEIVER (measurements made to MPT 1326 and CEPT T/R 24-01 as applicable)

Sensitivity:			
12 dB SINAD	0.35 uV	0.35 uV	0.35 uV
20 dB Quieting	0.7 uV	0.7 uV	0.7 uV
Adjacent Channel Selectivity	75 dB	75 dB	75 dB
Intermodulation Rejection	70 dB	70 dB	70 dB
Spurious and Image Rejection	75 dB	75 dB	75 dB
Audio Output	5W into 4 ohms	5W into 4 ohms	5W into 4 ohms
Frequency Stability	±0.0005%	±0.0005%	±0.0005%
Channel Spread	10 MHz	10 MHz	10 MHz
Modulation Acceptance	7.5 KHz/3.75 KHz	7.5 KHz/3.75 KHz	7.5 KHz/3.75 KHz

LOCAL TYPE APPROVAL

Models are approved to U.K. and most European Specifications.
Refer to Sales Office for details.

MODEL *	BAND
SM-4050-SL	66-77
SM-4050-SH	77-78
SM-4050-NL	66-77
SM-4050-NH	77-88
SM-4150	148-163
SM-4150	160-174
SM-4150	148-163
SM-4150	160-174
SM-4450-SA	400-420
SM-4450-SC	450-470
SM-4450-SD	470-488
SM-4450-SE	488-512
SM-4450-NA	400-420
SM-4450-NC	450-470
SM-4450-ND	470-488
SM-4450-NE	488-512



SMP 4000 used to programme your synthesised mobile radio (SMX4150)



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