

Radio communication specialists

Maxon SD170E Data Radio

- 16 Channels
- Die-cast aluminium housing
- Operates from 9V to 15V
- Fully PC programmable (Windows XP)
- 15-Pin D-type interface
- 1 - 5 Watts (programmable)
- Optional modem boards
- Status L.E.D.



With the Maxon guarantee of quality, performance and reliability.

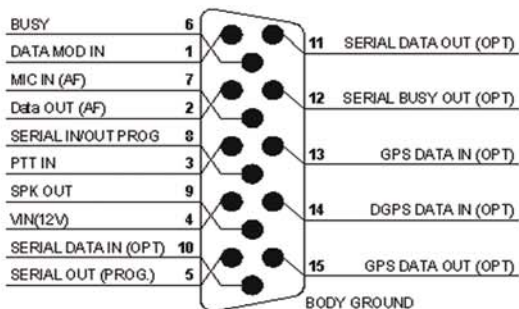
The new Maxon SD-170E Series RF Data Link Telemetry Radio delivers reliable 2-way communication & remote control for a variety of application needs.

Available as VHF (SD-171E) or UHF (SD-174E) with 1 or 5 Watts programmable output and 16 channels. The SD-170E Series provides reliable data or voice communication at all times.

Crystal clear audio quality makes the SD-170E Series an ideal radio for golf course and emergency call boxes. When paired with the optional GMSK or FFSK modem board, the SD-170E Series transmits and receives data for wireless security systems, or it can be used in conjunction with police mobile data terminals for license tag checks.

The optional GPS receiver turns the RF data radio into an Automatic Vehicle Location system for tracking fleet movement and communicating data directly to a computer.

DB - 15 Connector



Technical Specifications

GENERAL

Channels	16 (Serial commaned or dip switch)
Channel Spacing	12.5KHz & 25KHz (programmable)
Frequency Range	V2 146-174MHz / U2 450-490MHz
Frequency Control	PLL
Operating Temperature Range	-30°C to +60°C
DC Input voltage	9V to 18V DC (extreme)
Size	118(W) X 63(H) X 35(D) mm
Weight	266.5g
DC Input voltage	13.2 V DC ±15°
Performance Specification	TIA/EIA-603 / ETS 300-113

RECEIVER

Receiver Response Time	< 16ms
Squelch Decay Time	5ms Min , 20ms Max
Sensitivity (12dB Sinad)	0.3 µV for 12.5KHz C.S.
Antenna Socket (input match)	>10dB Return Loss
Image Rejection	70 dB
Spurious Rejection	70 dB
Signal/ Noise Ratio	45 dB
Squelch (factory preset) Open	-113dBm
Close	-116dBm
RX Hum & Noise (only audio)	<40dB without PSOPH

TRANSMITTER

Output Power	1 - 5 Watts (programmable)
Modulation	F3D , F3E
Frequency response	300Hz to 2.55KHz for 12.5KHz C.S.
Modulation Symetry	<10% Peak Dev @ 1KHz input (nominal)
Modulation Sensitivity	100mV RMS @ 60% Peak Dev
Spurious Emissions	< -36dBm
TX Hum & Noise	12.5KHz >40dB with PSOPH
	25KHz >40dB without PSOPH

Figures above are typical and measured under normal conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without prior notice.