

# Radio

## Power446

### PMR446 handheld radio

The POWER446 is an easy to operate, licence-free two-way radio that excels through its clear voice clarity and long battery life.

Thanks to the robust design with IP66 protection against water and dust, you can concentrate on your task and have confidence in the Power446 wherever you take it.



### Highlights

#### Licence-free two-way radio

The Power446 is a PMR446 radio and can therefore be used straight out of the box, without the need to acquire a radio licence.

#### Dust and waterproof

With IP66 rating offering protection against dust and water ingress, the Power446 is ideal for use outdoors.

#### Longer battery life

The high capacity 2000-mAh battery can last up to 25 hours on a single charge with a duty cycle of 5-5-90.

#### Improved audio quality

HYT voice management technology combined with an optimised loudspeaker ensures a clear sound is delivered to the user at all times.

### Functions

- Monitor function
- CTCSS/CDCSS and hum and noise
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC
- Line-connected "cloning" function for transferring settings to another two two-way radio
- Selectable squelch levels



## Technical Data

General data	
Frequency range	446.00625 to 446.09375 MHz
Channel capacity	16
Channel spacing	12.5 kHz
Operating voltage	7.4 VDC
Standard battery	2000mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 25 hours
Frequency stability	± 2.5 ppm
Operating temperature range	-25 °C to +60 °C
Dimensions (H×W×D) (with standard battery, without antenna)	119 × 55 × 36 mm
Weight (with antenna and standard battery)	282 g
Shock and vibration resistance	acc. to MIL-STD-810 C/D/E/F
Dust and water protection	Degree of protection IP66

Transmitter	
Transmitting power	≤ 0.5 W
Modulation	11 K0F3E
Interfering signals and harmonics	-36 dBm (at < 1 GHz) -30 dBm (at > 1 GHz)
Modulation limiting	≥ 2.5 kHz
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	≤ -118 dBm
Adjacent channel selectivity	≥ 60 dB
Intermodulation	≥ 60 dB
Spurious response rejection	≥ 70 dB
Hum and noise	≥ 40 dB
Nominal audio power output	800 mW
Nominal audio distortion	≤ 5 % (800 mW)

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.

## In the box

Lithium-ion battery (2000 mAh) BL2001	Belt clip BC12	Charger CH10A03
Wrist strap RO03	Switching power adapter for charger PS1044	

## Optional accessories

Carrying bag with belt strap NCN001	Battery optimizing system MCA05-A3	Programming cable (USB) PC26
Remote speaker microphone (IP55) SM13M1	Concealed headset EAM12	Earbuds with D-piece and microphone EHM15

The illustrations are for reference purposes only. The products might differ from these illustrations.