

BL650

RUGGED IP67 SUBMERSIBLE VHF/UHF PROFESSIONAL LAND MOBILE RADIO

KEY FEATURES

- Frequency Options:
 - VHF 66 - 88MHz (BL650M)
 - VHF 136 - 174MHz (BL650V)
 - UHF 450 - 527MHz (BL650U)
 - *Pre-programmed UHF CB 476-477MHz
- 5 / 1W Output Power
- 256 Channels
- 5 / 2 Tone / DTMF Signaling
- ANI / Selcall / Remote Stun
- S13 Audio Termination
- VOX
- Password Protected
- Dealer Programming
- Wireless Interface (BL650XB)
- Priority Scan/Dual Watch
- CTCSS / DCS
- Voice-Inversion Scrambler
- Whisper / Voice Commander
- Lone Worker
- Emergency
- Talk Around
- IP67 Water & Dust Protection
- MIL-STD-810 Construction



INCLUDED ACCESSORIES



Water Submersible



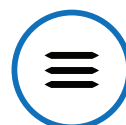
Rugged Device



Long Battery Life



Clear Audio



Programmable Buttons

BL650



53(w)x108(h)x36(d)mm

BL650 Specifications

Model Number	BL650U
Frequency Range (MHz)	UHF 450 - 520 MHz
Part Number	01151F01
Part Number (Wireless)	01151FB1
Number of Channels	Up to 256
Modulation Type	16K0F3E, 11K0F3E
Frequency Control	PLL Synthesizer
Channel Spacing	12.5 kHz / 20 kHz / 25 kHz
Frequency Stability	± 2.5 ppm
Power Supply	7.4 V Rechargeable Battery
Battery Capacity	2300mAh, ≥ 8 hours Battery Life
Audio Termination	Benelec B3
Dimensions	53(w) x 108(h) x 36(d) mm
Weight	260 g (Including Battery)
Temperature Range	-20°C to +60°C (Operational)
Humidity	Operational up to 90%
Environmental Ratings	IPX7
TRANSMITTER	
RF Output Power	5W / 1W
Modulation Type	16K0F3E, 11K0F3E
Spurious Emissions & Harmonics	≥ -36 dBm
Audio Distortion	≤ 3%
FM Hum / Noise	> 36 dB @ 12.5 kHz / > 40 dB @ 25kHz
RECEIVER	
Circuit Type	Double Conversion Superheterodyne
Intermediate Frequency	1st 45 MHz / 2nd 455 kHz
Sensitivity	≤ 0.25 µV @ 12 dB SINAD
Adjacent CH Selectivity	≥ 60 dB @ 12.5 kHz / 70 dB @ 20 kHz / 70 dB @ 25 kHz
Spurious Response Rejection	≥ 70 dB
Intermodulation Response Rejection	≥ 65 dB
Blocking	≥ 85 dB
Audio Distortion	≤ 3%
Audio Output Power	≥ 500 mW @ 10% Distortion
Standby Current Drain	≤ 70 mA / ≤ 25 mA (w/ Save)
Rated Audio Current Drain	≤ 250 mA
FM Noise	40dB @ 12.5 kHz / 45 dB @ 20 kHz / 45 dB @ 25 kHz

BL650 Features

Wireless Built In (option)

The ability to use this eliminates the need for wires to headsets or ear-pieces. Providing a comfortable user experience and increasing safety near machinery and all environments, being compatible with all of Benelec portable wireless accessories and Bluetooth radio accessories

2 / 5 Tone Selcall

Fully compliant and interoperable with 5 tone languages, flexible timing capabilities. 100 alpha numeric tags supporting **lone worker, emergency call, man down, possum**, and many other advanced safety and security features.

Water Submersible IP67

Rated to **IP67**, these robust radios are water submersible and protect against dust. The radio's rugged construction means it is perfect for heavy duty applications.
