

BENELEC

Professional Wireless Solutions

BL2000

VHF OR UHF
PROFESSIONAL
MOBILE RADIO

- **Frequency Options**

BL2000V 136 - 174 MHz

BL2000U 450 - 500 MHz

- **5/25W Output Power**

- **128 Channels**

- **Rugged Construction to MIL-STD-810 C/D/E/F**

Multiple Signalling Options

These radios provide a wide range of signalling options allowing dealers maximum flexibility in configuring systems. Signaling options include: CTCSS, CDCSS, DTMF Encode. 2 Tone, MDC1200/HDC2400 encode and decode.

Powerful Audio

A powerful 5W internal speaker and 13W external speaker output ensures high-quality, clear, crisp sound, even in noisy environments.

Built-in Scrambler

The scrambler feature provides enhanced security for your important public safety and private security communications.

Built-in Modem

The built in 1200/2400 bps MSK modem offers data transmission capabilities.

Public Address - PA

The PA feature feeds mike audio through an external PA amplifier and outputs through an external speaker offering robust audio.



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Key Features

- Repeater Scan
- Dynamic Re/grouping
- DTMF Encode
- CTCSS/CDCSS
- MSK Wireless + Wired Clone
- PC Programming/Tuning
- 4 Programmable Function Keys
- Talk Around
- Channel Alias
- Power-On Password
- Power-On Self Test
- 13W External Speaker Output
- Large 15-Segment LCD
- Backlit Display and Buttons
- User Selectable CTCSS / CDCSS Tones
- Configurable Emergency Alarm
- Lone Worker
- Automatic Number Identification (ANI)
- Emergency Alarm
- Kill/Revive

| Specifications | BL2000V | BL2000U |
|-----------------------------------|------------------------------|-------------|
| Part No. | 0113222 | 0115220 |
| Frequency Range | 136-174 MHz | 450-500 MHz |
| Number of Channels | 128 | |
| Number of Groups | 16 | |
| Channel Spacing | 25 20 12.5 KHz | |
| Power Supply Voltage | 13.6 V DC 15% | |
| Current Consumption (w/save) STBY | 0.5 Amp | |
| RX | < 2.0 Amp | |
| TX | < 5 Amp (5W) < 6.5 Amp (25W) | |
| Ambient Temperature Range | -30~+60 (°C) | |
| Frequency Stability | ± 2.5ppm | |
| Dimensions (WxHxD) | 125x152x43mm | |
| Weight (approx) | 1.0kg | |

| Receiver | |
|-------------------------------|--|
| Sensitivity (12 dB SINAD) EIA | 0.28/0.33/0.35 μV |
| Adjacent Channel Selectivity | 75/70/65 dB |
| Intermodulation | 70/70/70 dB |
| Spurious and Image Rejection | 70dB |
| Hum and Noise | > 40dB (25/20 KHz) > 45dB(12.5KHz) |
| Internal Audio Power Output | 5W (less than 5% distortion) 3W (less than 3% distortion) |
| External Audio Power Output | 13W (less than 5% distortion) 12W (less than 3% distortion) |

| Transmitter | |
|----------------------------|--|
| Power Output | 5 W/ 25 W |
| Modulation | 16KΦF3E / 11KΦF3E |
| Spurious and Harmonics | -36dBm < 1GHz -30dBm > 1GHz |
| FM Hum & Noise | > 45 dB (25KHz/20KHz) > 40dB (12.5 KHz) |
| Audio Distortion (@ 1 kHz) | < 3 % |

Optional Accessories



Replacement
Fist Mike
(P# 0620107)

DTMF Keypad Mike
(P# 0620108)

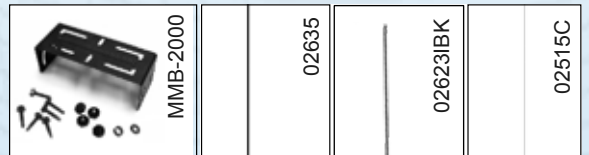
BL2000
Programming Cable
(P# 0620634)



BL2000
Cloning Cable
(P# 0620638)

DC Fused
Power Lead
(P# 105201)

External Extension
Speaker
(P# 08108)



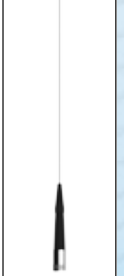
Mounting
Hardware Kit
(P# 0630318)



Explorer
3 & 6 dB
UHF Antenna
(P# 02635)



4.5 dB Gain
UHF Antenna
(P# 026231BK)



VHF 1/2
wave GPI
Antenna
(P# 02515C)



Available From:

Included Accessories

- DC Power lead with fuse
- Microphone
- Mounting Bracket with hardware

• For a full range of antenna options refer to our **Outreach Brochure**

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