



**XiaMen Maxlog Electronics Limited**

**廈門麥洛電子有限公司**

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## CB radio Products:

### ML-100plus

Frequency range: 26.965-27.405  
Number of channels : 40  
Type model: AM/FM  
Output power: 4W  
Voltage Power: 13.8V [12V/24V]  
Current Transmitter: 1.3A  
Current receiver: 200mA  
SQUELCH CONTROL  
INSTANT CHANNEL 9/19  
LED Display  
Size: 124x38x190 mm  
Weight: 1.2kg



### ML-101plus

Frequency range: 26.965-27.405  
Number of channels : 40  
Type model: AM/FM  
Output power: 4W  
Voltage Power: 13.8V [12V/24V]  
Current Transmitter: 1.3A  
Current receiver: 200mA  
SQUELCH CONTROL  
INSTANT CHANNEL 9/19  
LED Display  
Size: 124x38x190 mm  
Weight: 1.2kg



### ML-78plus

Type model: AM/FM  
Number of channels : 400  
Output power: 4W  
Function: Scan  
Sensitivity: AM: 0.25 uV (15dB S/N) /FM: 0.25 uV (21 dB SINAD)  
Image rejection: 65 dB  
Voltage: 13.8 VDC (12V/24V)  
Current drain: RX: 250 mA / TX: Max 1.1 A  
Dimensions (W\*H\*D): 139\*37\*182 mm



### ML-27

Frequency Range: 26.965~27.405MHz, 43MHz  
Number of channels 40 , 240 or 400  
Type model: AM/FM  
Output power: 4W  
Function: Scan  
Sensitivity: AM: 0.25 uV (15dB S/N) /FM: 0.25 uV (21 dB SINAD)  
Image rejection: 65 dB  
Voltage: 13.8 VDC (12V/24V)  
Current drain: RX: 250 mA / TX: Max 1.1 A  
Dimensions (W\*H\*D): 139\*37\*182 mm



# Handle Radio:

## ML-6100

128 CHANNELS IN 8 GROUPS  
HI/MID/LO POWER OUTPUT  
POWER-ON PASSWORD PROTECTION  
HANDS-FREE VOX  
LOW BATTERY ALERT  
BUILT IN CTCSS/DCS/SCRAMBLER  
BUILT IN FM Radio (88~108Mhz)

Frequency range(MHz)	400-470 Mhz
Temperature range	-20°C to +60°C
Voltage(DC)	7.4V
Memory channels	128
Antenna	Rubber Antenna
Antenna impedance	50 Ω
Channels	Co-channel or Simplex or Duplex
Output power	4W/2W/1W
Size/WEIGHT	98×53×30mm 220g



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## ML-V8

### Brief summary:

- Dimensions: 2.2 (W), 5.2 (H), 1.4 (D), 12.3 oz
- 107 Total Memory Channels
- Great Audio - 300 mW Output (at 7.2V DC)
- CTCSS/DTCS Encode/Decode with Tone Scan
- 16 Button DTMF Keypad with Encode Standard and Decode Optional
- Fast Scanning - 40 Channels Per Second
- Backlit Alphanumeric LCD
- Fast Scanning - 40 Channels Per Second
- Auto Repeater
- Optional PC Programming
- Reversible U/Down and Rotary Selector
- Military Rugged Construction
- Attractive Forest Green Polycarbonate Front Pane



### General

- Frequency range :
    - General 136 - 174 MHz\* (Tx/Rx)
  - Operating temp. range : - 10 C to + 60 C; +14 F to +140 F
  - Frequency stability :  $\pm 10$  ppm (- 10 C to +60 C)
  - Antenna connector : BNC
  - Current drain (at 7.2 V DC) :
    - Transmit
      - at 5.5 W: Less than 2.0 A
      - at 0.5 W Less than 0.7 A
    - Receive
      - at max. AF Less than 250 mA
      - Stand-by Less than 70 mA
      - Power saved Less than 20 mA
  - No. of memory channels : 107 (incl. 1 call and 6 programmed scan edges)
  - Tuning steps : 5, 10, 12.5, 15, 20, 25, 30 and 50 kHz
  - Dimensions (projections not included):
    - 54(W) x 132(H) x 35(D) mm
    - 21/8(W)x 53/16(H) x 13/8(D) in
  - Weight (approx.): 190 g; 6.7 oz (without battery pack)
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## ML-V85

- Output Power: 7/4/0.5W
- Frequency Range: 136-174MHz
- Wideband Receive
- DC power jack for external DC operation
- 100 memory channels, 1 call channel and 6 scan edges
- 10 memory banks and bank link scan
- 5 character alphanumeric display
- Priority, program, memory, skip and tone scanning
- Built-in CTCSS and DTCS encoder/decoder
- 16 DTMF autodial memories



## Mobile Radio:

### ML-271

- Output Power: 60W
- Frequency: 136~174MHz or 400~470MHz
- Number of channels : 200



Maxlog		ML-271
<b>General</b>		
Frequency Range	136-174 MHz	
Mode	F3E (FM)	
Power Requirement	13.8V DC $\pm$ 15%, negative ground	
Current Drain		
Transmit	Less than 13.0 A (High), less than 8.0 A (Low)	
Receive	Less than 1.0 A	
Operation Temperature Range	-20 C ~ +60 C	
Antenna Impedance	50 ohms	
Microphone Impedance	600 ohms	
Frequency Tolerance	$\pm$ 2.5 ppm (-20 C ~ +60 C)	
Dimensions (W x H x D) (Projections included)	6.30" x 1.69" x 5.39" (160 x 43 x 137 mm) 6.33" x 1.69" x 6.65" (161 x 43 x 169 mm)	
Weight	2.6 lbs (1.2 kg)	
<b>Transmitter</b>		
RF Output Power (approx.)		
HI	60 W	
LO	25 W	
Modulation	Reactance modulation	
Maximum Frequency Deviation	$\pm$ 5 kHz	
Modulation Distortion	Less than 3% (300 MHz ~ 3 kHz)	
<b>Receiver</b>		
Circuitry	Double Conversion Superheterodyne	
Intermediate Frequency		
1st IF	49.95 MHz	
2nd IF	450 kHz	

Sensitivity (12dB SINAD)	Less than 0.18 $\mu$ V (Narrow: less than 0.22 $\mu$ V)
Squelch Sensitivity	Less than 0.1 $\mu$ V
Selectivity	
-6 dB	More than 12 kHz (Narrow: more than 10 kHz)
-60 dB	Less than 30 kHz (Narrow: less than 24 kHz)
Audio Output Power	More than 2 W (5% distortion)