



BTECH DMR-6X2 PRO

DIGITAL DMR AND ANALOG
UHF/VHF TWO WAY RADIO



GROUNDBREAKING DMR TECHNOLOGY

The BTECH DMR-6X2 PRO is the most versatile dual-band DMR radio available. Designed for both amateur and commercial usage with its large, bright 1.77" color TFT display. The DMR-6X2 PRO can store 4,000 Channels with 10,000 Talk Groups, and 500,000 Contacts.

The frequency range is 136-174MHz and 400-480 MHz. The DMR-6X2 PRO has a maximum output of 7W on VHF, and 6W on UHF. The DMR-6X2 PRO includes a built in GPS and audio recorder.

The DMR-6X2 PRO went through extensive development before its public debut. It was not worth rushing a radio if it couldn't be our best.

Even now development hasn't stopped; the DMR-6X2 PRO is firmware upgradeable – and we would love to take your feedback to include into future firmware updates.

FEATURES AND FUNCTIONS

- Built-in GPS
- Bluetooth
- Roaming (Auto/Manual/GPS Based)
- Repeater Check
- Talker Alias
- Dual or Single Channel Display
- Free Programming Software
- AES256 Encryption
- IP54 Weatherproof resistant casing



TECHNICAL SPECIFICATIONS

GENERAL

Frequency Range	136-174 MHz (V) 400-480 MHz (U)
Channel Capacity	4000 Channels
Channel Spacing	25KHz (Wide Band) / 12.5KHz (Narrow Band)
Phase-Locked Step	5KHz, 6.25KHz

POWER

Operating Voltage	7.4V DC $\pm 20\%$ / (2100mAh/3100mAh)
Frequency Stability	± 2.5 ppm
Operating Temp.	-20°C ~ +50°C

DIMENSIONS

Dimensions	129 x 61 x 39 mm / 5.07 x 2.4 x 1.54 in (with battery pack)
Weight	282 g / 9.94 oz (with battery pack and antenna)

TRANSMITTER

	WIDE BAND	NARROW BAND
Power Output	VHF: 7/5/2.5/1W UHF: 6/5/2.5/1W	
Modulation	± 5.0 KHz @ 25KHz	± 2.5 KHz @ 12.5KHz
Adjacent Channel Power	≥ 70 dB	≥ 60 dB
Hum & Noise	≥ 40 dB	≥ 36 dB
Spurious Emission	≤ -36 dBm	
4FSK Digital Modulation	12.5KHz (data) 7K60FXD / 12.5KHz (data+voice) 7K60FXE	
Audio Distortion	$\leq 5\%$	
Error Rate	$\leq 3\%$	

RECEIVER

	WIDE BAND	NARROW BAND
Sensitivity (12dB SINAD)	≤ 0.25 μ V	≤ 0.35 μ V
Digital Sensitivity	0.3 μ V/-117.4dBm (BER 5%) / 0.7 μ V/-110dBm (BER 1%)	
Adjacent Channel Selectivity	≥ 70 dB	≥ 60 dB
Spurious Emission	≤ -57 dB	≤ -57 dB
Spurious Rejection	≥ 70 dB	≥ 70 dB
Blocking	84dB	
Hum & Noise	≥ 45 dB	≥ 40 dB
Audio Distortion	$\leq 5\%$	
Audio Power Output	1000mW/16 Ω	

ACCESSORIES

Connector	Kenwood K1
Antenna	SMA Female

COMPATIBLE ACCESSORIES



V85 OEM Antenna



BTECH APRS-K1 Audio Cable



BTECH 3.5mm Audio Adaptor



QB-44HL Battery Eliminator



QBC-45L Charger Kit



4 Way Gang Charger



QHM07 Kit



QHM22 Speaker Mic



DMR 6X2 Programming Cable



USB to 12V Smart Charger



QB-44L 2100mAh Battery and Belt Clip



QB-44L 3100mAh Battery and Belt Clip



HS03 OEM Earpiece Kit



Nagoya UT-308UV



Nagoya UT-72



Nagoya NA-810



Nagoya NA-771R



Nagoya NA-701C



Nagoya NA-701



Nagoya NA-717



Nagoya NA-24J



Nagoya NA-771



AMP-U25D



AMP-V25D