



BTECH UV-25X4

SECOND GEN. MOBILE TWO-WAY RADIO

UV-25X4 (Second Generation) 25W Mobile Two Way Radio

The UV-25X4 is very much the same radio, our users have come to enjoy, with several new functionality improvements. The UV-25X4 has seen several performance improvements and tweaks in its second generation release.

The UV-25X4 has new menus and operations that allow audio I/O from its RJ45 microphone port. This allows the UV-25X4 to be installed for custom applications, where users want more control on where the speaker and mic audio is routed to.

The UV-25X4 (Second Generation) includes VOX support. VOX allows for handsfree use with your favorite audio accessories or the included handheld microphone.



FEATURES AND FUNCTIONS

- 200 Fully Customizable Channels
- Built-in FM/VHF/UHF/NOAA Receivers
- Quad Watch
- VOX Hands-free
- RJ-45 and K1 Accessory Support
- Quick-add channels
- Customizable LCD Display Screen



TECHNICAL SPECIFICATIONS

GENERAL

Frequency Range	144-148 (Tx), 222-225 (Tx), 420-450 (Tx), 136-174 (Rx), 400-520 (Rx)
Memory Channels	200 Channels
Frequency Step	2.5K/5.0K/6.25K/10.0K/12.5K/25.0K
Squelch Setup	CARRIER/CTS/DCS/5Tone/2TONE/DTMF
Antenna Impedance	50 Ohm
Supply Voltage	13.8V DC \pm 15% / 7A Peak
Frequency Stability	\pm 2.5ppm
Operating Temp.	-20°C to +60°C / -5°F to +140°F

DIMENSIONS

Dimensions	4 (W) x 1.85(H) x 5 (D) in
Weight	1 lb

TRANSMITTER

	WIDE BAND	NARROW BAND
Power Output	25W/10W	
Modulation	16K Φ F3E	11K Φ F3E
Channel Power	\geq 70dB	\geq 60dB
Signal to Noise Ratio	\geq 40dB	\geq 36dB
Parasitic Harmonic	\geq 60dB	\geq 60dB
Audio Response	+1 to -3dB(.3-3KHz)	+1 to -3dB(.3-2.55KHz)
Audio Distortion	\leq 5%	

RECEIVER

	WIDE BAND	NARROW BAND
Sensitivity	\leq 0.25 μ V	\leq 0.35 μ V
Channel Choice	\geq 70dB	\geq 60dB
Intermodulation	\geq 65dB	\geq 60dB
Spurious Rejection	\geq 70dB	\geq 70dB
Audio Response	+1 to -3dB(.3-3KHz)	+1 to -3dB(.3-2.55KHz)
Hum & Noise	\geq 45dB	\geq 40dB
Audio Distortion	\leq 5%	
Audio Power Output	\geq 2W@10%	

COMPATIBLE ACCESSORIES



RPS-30M AC-DC Power Converter



RPS-30PRO AC-DC Power Converter



Mobile and Amp DC Cigarette Cable



Mobile and Amp DC Power Cable



BTECH Mobile Speaker Mic



RJ45 to K1 Splitter Cable



PC04 Programming Cable



Nagoya NMO-200C



Nagoya RB-100N



Nagoya RB-50



Nagoya RB-700N



Nagoya GPK-01



Nagoya TB-320A



Nagoya UT-72