



# BTECH UV-25X2

## SECOND GEN. MOBILE TWO-WAY RADIO

### UV-25X2 (Second Generation) 25W Mobile Two Way Radio

The UV-25X2 is a reliable and powerful mobile two-way radio with new functionality improvements. The second generation release of the UV-25X2 has seen several performance improvements and tweaks, making it an excellent choice for communication needs.

The UV-25X2 has new menus and operations that allow audio I/O from its RJ45 microphone port. This allows the UV-25X2 to be installed for custom applications, where users want more control on where the speaker and mic audio is routed to.

The X-Series Mobiles use our Multi-Color LCD display screen. You can adjust the complete display colors to be exactly as you want it. Beyond the display, you can fully customize your channels to display their alpha-numeric names or frequency settings.



#### 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) 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 $\Phi$ F3E	11K $\Phi$ 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 $\mu$ V	$\leq$ 0.35 $\mu$ 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**



**RJ45 to K1 Splitter Cable**



**BTECH Mobile Speaker Mic**



**PC04 Programming Cable**



**Nagoya GPK-01**



**Nagoya RB-100N**



**Nagoya RB-50**



**Nagoya RB-700N**



**Nagoya NMO-72**



**Nagoya NMO-200A**



**Nagoya UT-72**



**Nagoya NMO-200C**