



Powerwerx
23695 Via Del Rio
Yorba Linda, CA 92887
Phone: 714-674-0073
Fax: 714-674-4949
www.powerwerx.com

Powerwerx Limited Warranty Policy

This Wouxun radio is warranted against failure due to defects in workmanship or materials for 12 months from the date of purchase from Powerwerx or an authorized Powerwerx dealer. The included radio battery and battery charger are warranted against failure due to defects in workmanship or materials for 6 months from the date of purchase from Powerwerx or an authorized Powerwerx dealer. If purchased from an authorized Powerwerx dealer the item must be returned with a copy of the original sales receipt or proof of purchase. Warranty does not include other accessories, antennas or knobs. Warranty does not cover damage caused by abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation, alteration, moisture, water, lightning, or other incidence of excessive voltage or current. If failure occurs within this period, return the radio to Powerwerx at your shipping expense with a full explanation, return address and necessary proof of purchase. The device or accessory will be repaired or replaced, at our option, without charge, and returned to you at our shipping expense. Repaired or replaced items are warranted for the remainder of the original warranty period. Powerwerx shall have no liability or responsibility to customer or any other person or entity with respect to any liability, loss, or damage.

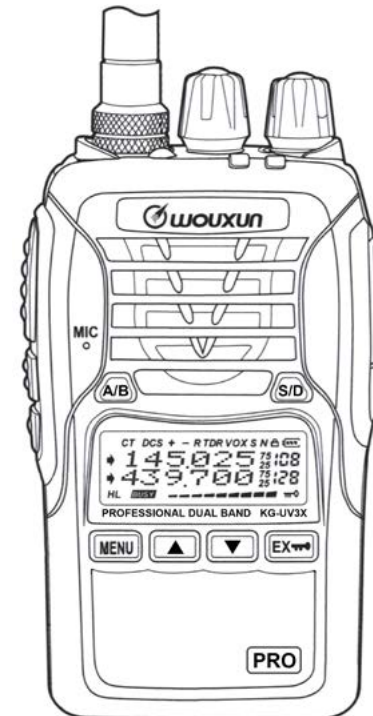
Revised 12-2015



KG-UV3X PRO

Dual-band Land Mobile Radio

User Manual



Powerwerx KG-UV3X PRO Professional Dual-Band Radio Instruction Sheet

Congratulations on purchasing the model KG-UV3X PRO Dual-band radio which is ideal for Fire, Police, EMS, Ski Patrol, Schools and the Hospitality industries. This two-way radio offers many features that can be dealer programmed depending on your requirements.

KG-UV3X PRO HANDHELD FEATURES:

- FCC 2013 Narrowband Compliant w/ 2.5 KHz Channel step
- Frequency Range: 136-174 RX/TX & 375-512 RX, 406-512 MHz TX
- 125 Channels (pre-programmed w/ 14 UHF & 2 VHF Channels)
- Single or Dual Alpha-Numeric Display & Voice Announcement
- Power Output: VHF: 5W High / 1W Low UHF: 4W High / 1W Low
- 15 Hours of operation: (85% Standby / 10% RX / 5% TX on low power)
- Built in Flashlight
- VOX Operation

Getting Started

SUPPLIED IN THE BOX:

- Dual-band (VHF/UHF) Land Mobile Transceiver
- Extended life Li-ion battery pack (1700 mAh)
- Dual-band VHF/UHF Medium Length "X" Antenna
- Belt Clip
- Desktop Rapid Charger (charges in 1~3.5 hours)
- Handstrap

INSTALLING THE BATTERY AND ANTENNA

First, match the guides on the bottom of the battery pack with the back side bottom of the radio. Press on the battery (bottom first) it will latch as you press downward. (Press down on each side of the battery to release). Screw in the supplied antenna into the top of the radio.

TURNING RADIO ON / OFF

Turn the top knob clockwise to turn radio ON. During power-up, radio will display current battery voltage for 2 seconds then will display a dealer pre-programmed message for 1 second then display current channel display. Turn this same top mounted volume knob counter-clockwise to turn the radio OFF.

SPEAKER VOLUME ADJUSTMENT

Turn the top volume knob to adjust the radio volume higher or lower for desired audio output.

CHANNEL SELECTION

Turn the top mounted channel selector to the desired channel. Built-in voice will announce the channel number as you rotate this knob (if programmed).

PTT - PUSH TO TALK BUTTON

Press this key to transmit and release to listen.

FLASHLIGHT

Momentary press the bottom side monitor key (short press) to turn ON/OFF Flashlight feature.

KG-UV3X PRO Manual (Continued)

Optional Accessories

A wide variety of optional accessories are available for your KG-UV3X Pro. Visit our website to learn more: www.powerwerx.com/wouxun-radios

Trouble Shooting

PROBLEM	SOLUTION
Radio will not turn ON	Recharge the battery in the desk charger
Radio will not Transmit	Battery is low, recharge battery
Radio will not Transmit	Channel TX is not enabled, reprogram
When Scanning, RX stops on same channel	Take the channel out of scan list and start scanning again (MENU 33)
Battery Life short	Stop using Channel Scan feature
Battery Life short	Turn Battery Saver ON (MENU 3)
Battery Life short	Replace battery with new one
Receive Static on Radio	Move radio away from computers or florescent type lights causing interference

MENU SELECTIONS

The MENU feature can be enabled or disabled in the Windows PC software. Press the "MENU" button to adjust radio features. To access MENU functions, press the MENU button then turn to top channel knob and select the desired function. Within 3 seconds, press the MENU button again and use the top knob to adjust that menu item then press MENU to confirm. Press the EX/Key button to exit.

MENU SELECTIONS

- 1 STEP..... CHANNEL STEP (select 2.5, 5.0, 10.0, 12.5, 25.0 KHz)
- 2 SQL-LE.... SQUELCH LEVEL (select level of 1-9, recommended is "6")
- 3 SAVE..... RECEIVE BATTERY SAVER (ON or OFF. Default is ON)
- 4 TX..... TX POWER LEVEL (HI or LOW selection by channel)
- 5 ROGER.... ROGER BEEP (select before or after TX. Default in none)
- 6 TOT..... TIME-OUT-TIMER (select 15 ~ 600 seconds. Default is 60)
- 7 VOX..... VOX SETTING (select 1-9. Default is OFF)
- 8 RX-WN.... RX BANDWIDTH (select Narr or Wide)
- 9 VOICE.... VOICE ANNOUNCEMENT (Default is OFF)
- 10 TOA..... TX TIME OUT WARNING (select 0-9. default is 5)
- 11 BEEP..... KEYPAD BEEP (select ON/OFF. Default is ON)
- 12 TX-WN.... TX BANDWIDTH (select Narr or Wide)
- 13 BCL..... BUSY CHANNEL LOCK-OUT (Default is OFF)
- 14 AUTOLK... AUTO LOCK KEYPAD (ON/OFF. Default is OFF)
- 15 R-CTC.... RECEIVE CTCSS TONE (Default is OFF)
- 16 T-CTC.... TX CTCSS TONE (Default is OFF)
- 17 R-DCS.... RECEIVE DIGITAL CODED SQUELCH (Default is OFF)
- 18 T-DCS.... TX DIGITAL CODED SQUELCH (Default is OFF)
- 19 SC-RE.... SCAN MODE (Default is "Carrier Mode")
- 20 PF-1..... SIDE KEY PROGRAMMING (Default is OFF)
- 21 PF-2..... FRONT MOUNTED BUTTON PROGRAMMING (Default is RPT)
- 22 CH-MDF... DISPLAY MODE (Select Alpha, Channel or Freq display)
- 23 ABR..... AUTO BACKLIGHTING (Select ON/OFF)
- 24 OFFSET... TX REPEATER OFFSET (Default is 0.600 & 5.000)
- 25 SFT-D..... REPEATER OFFSET DIRECTION (select +/-, Default is OFF)
- 26 SECOND.. STOPWATCH (Default is OFF)
- 27 CHNAME.. CHANNEL ALPHA NAME
- 28 MEM-CH... MEMORY CHANNELS AVAILABLE
- 29 DEL-CH... CHANNEL DELETE
- 30 RESET.... RESET RADIO (select VFO or ALL)
- 31 SOS-CH... SOS TX ON (select Channel A or B)
- 32 SCN CD.... TONE SCAN (select CTCSS or DCS. Default is CTCSS)
- 33 SCN ADD. MEMORY CHANNEL SCAN ADD / DELETE
- 34 LK-EN..... KEYPAD CH LOCK (ALL or PART)
- 35 PTT-ID..... PTT ID (Default is OFF)

MONITOR KEY

Press and hold the monitor key for 2 seconds to turn ON or OFF the radio squelch to listen without the tone squelch function.

BATTERY LEVEL (CAPACITY) DISPLAY

Turn the radio OFF. Wait 1 second, then turn radio back ON.

- Battery Voltage 8.0 ~ 8.4..... Battery is full (80-100%)
- Battery Voltage 7.7 ~ 7.9..... Battery is medium (60-80%)
- Battery Voltage 7.5 ~ 7.6..... Battery is low (40-60%)
- Battery Voltage 7.4 or less..... Battery needs recharging (0-40%)

BATTERY CHARGER OPERATION

Connect to AC power cord into the back of the charging base. Plug in the AC cord into a standard wall outlet. Place the radio or battery into the charger cup. Please refer to the battery charger status lights below.

Flashing Red Light..... Deep Battery Charging (3 1/2 hours)
 Solid Red Light..... Regular Battery Charging (1/2 to 3 hours)
 Green Light..... Battery Fully Charged - Ready to use

SINGLE / DUAL DISPLAY

Press the S/D key to select single or dual display. In most cases it is recommended that you use a single display mode for simple operation.

CHANNEL DISPLAY SELECTION

Press the A/B key to select either top or bottom display. An arrow on the left side of the LCD display will show which display is active.

KEYPAD AND CHANNEL KNOB LOCK

Front keypad and top channel knob can be locked. Press and hold for the front mounted "Key" for 3 seconds. Depending how your radio is pre-programmed with the computer software or MENU feature 34, there are 3 options available:

- Front Keypad locked but channel knob is still functional
- Front Keypad and top channel knob are locked
- Front Keypad and top channel knob are functional

SCANNING CHANNELS

Press the side mounted center Key for 2 for 1 second to start the memory channel scanning feature. Momentary press the PTT button to stop the channel scan feature. Scan feature must be turned on via the PC software or MENU 20 prior to use.

NOTE: Battery life is greatly reduced when in the "Scanning" mode.

SQUELCH SETTING

The Squelch adjustment is used to eliminate unwanted static and general noise. Squelch setting may be adjusted "MENU 2" (or computer software) from (0 - 9). The "0" setting is squelch OFF and the "9" setting is the tightest squelch. It is recommended that you use the default squelch setting of "6" when first using the radio. NOTE: if you are listening on a VHF channel near a computer, you may hear static on your radio. Try adjusting the squelch to a setting of "8" or "9" or move radio away from the computer to eliminate this noise.

KG-UV3X PRO Manual (Continued)

PRE-PROGRAMMED CHANNELS

Your radio is pre-programmed with (14) UHF & (2) VHF channels. Powerwerx/Wouxun radios operate on business radio frequencies that are regulated by the FCC. In order to transmit on these frequencies, you are required to have a license issued by the FCC. Visit: http://wireless.fcc.gov/services/index.htm?job=service_home&id=industrial_business

Your dealer can also re-program your radio's channels with different frequencies and features as needed (see below)

PRE-PROGRAMMED CHANNELS

Channel 1	464.550 MHz	67.0 Tone	1W	Business Ch. CLS-1 (Narrow 2.5 KHz)
Channel 2	467.925 MHz	67.0 Tone	1W	Business Ch. CLS-2 (Narrow 2.5 KHz)
Channel 3	467.850 MHz	67.0 Tone	1W	Business Ch. CLS-3 (Narrow 2.5 KHz)
Channel 4	467.875 MHz	67.0 Tone	1W	Business Ch. CLS-4 (Narrow 2.5 KHz)
Channel 5	469.5125 MHz	77.0 Tone	1W	Business Ch. CLS-54 (Narrow 2.5 KHz)
Channel 6	466.3125 MHz	110.9 Tone	1W	Business Ch. CLS-45 (Narrow 2.5 KHz)
Channel 7	466.3375 MHz	110.9 Tone	1W	Business Ch. CLS-46 (Narrow 2.5 KHz)
Channel 8	466.3625 MHz	110.9 Tone	1W	Business Ch. CLS-47 (Narrow 2.5 KHz)
Channel 9	467.7875 MHz	110.9 Tone	1W	Business Ch. CLS-48 (Narrow 2.5 KHz)
Channel 10	467.8375 MHz	110.9 Tone	4W	Business Ch. CLS-49 (Narrow 2.5 KHz)
Channel 11	467.8625 MHz	110.9 Tone	4W	Business Ch. CLS-50 (Narrow 2.5 KHz)
Channel 12	467.8875 MHz	110.9 Tone	4W	Business Ch. CLS-51 (Narrow 2.5 KHz)
Channel 13	467.9125 MHz	110.9 Tone	4W	Business Ch. CLS-52 (Narrow 2.5 KHz)
Channel 14	469.4875 MHz	110.9 Tone	4W	Business Ch. CLS-53 (Narrow 2.5 KHz)
Channel 15	154.570 MHz	88.5 Tone	1W	VHF Business Ch. (Narrow 2.5 KHz)
Channel 16	154.600 MHz	88.5 Tone	1W	VHF Business Ch. (Narrow 2.5 KHz)

PC PROGRAMMING

This radio is shipped with the keypad locked per FCC Requirements.

PC Programming software and USB cable are required to unlock the keypad and program this model radio. This software and PC programming cable kit are available from Powerwerx or authorized dealers that sell this model radio. Please order the following SKU to program this radio:

- RPS-3X PRO-USB** Advanced Programming Software and Gray USB Cable
- WXUSB** Red USB Cable and Available Free Programming Software

NOTE:

Windows software is compatible with Windows 10, Windows 8.1, and Windows 7 operating systems.

CAUTION:

Use of any third party software other than what is listed above may result in damage to the radio which voids the warranty. No exceptions!

This VHF/UHF Dual-band handheld is FCC Narrow band compliant. Please note the following default TX modulation settings for the KG-UV3X PRO.

VHF BAND

- 136.000-143.995 MHz..... Narrow Band (2.5 KHz) TX, Wide or Narrow RX by channel
- 144.000-148.000 MHz..... Amateur Band (5.0 KHz) or Narrow band (2.5 KHz) RX/TX
- 148.005-174.000 MHz..... Narrow Band (2.5 KHz) TX, Wide or Narrow RX by channel

UHF BAND

- 400.000-430.000 MHz..... Narrow Band (2.5 KHz) TX, Wide or Narrow RX by channel
- 430.005-450.000 MHz..... Amateur Band (5.0 KHz) or Narrow band (2.5 KHz) RX/TX
- 450.005-470.000 MHz..... Narrow Band (2.5 KHz) TX, Wide or Narrow RX by channel
- 470.005-512.000 MHz..... Land Mobile Band (5.0 KHz) or Narrow band (2.5 KHz) RX/TX

Radio Diagram

