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Wouxun KG-UV9GX+ Two-Way Radio Transceiver and Scanner

Thank you and congratulations for purchasing this updated, advanced, Emergency GMRS Two-Way Radio & Scanner. The WOUXUN KG-UV9GX+ is a new entry in the famous UV9-Series line, built upon the trusted performance, proven design, and quality manufacturing of the UV9D(Plus) & UV9GX amateur radios. It has been updated to deliver improved commercial-grade personal, personal business, recreational, hobby, group safety, CERT, emergency (EmComm), and SHTF/Disaster communications & scanning.

COMPLIANCE

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with PART 15B of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may

cause undesired operation.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

This device meets the requirements of FCC PART 15.121(b) for scanning receivers in the following frequency ranges (in MHz): 76–108 / 108–136 136–180 / 219–250 / 350–400 / 400–512 / 700–824 / 849–869 / 894–960

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 2.5 cm between the radiator and your body. The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter. CAUTION: Do not transmit without an antenna attached, with a damaged antenna, while touching the antenna, around explosives, or while refueling a vehicle. Operate only with batteries & chargers designed for this radio.

FCC Statement

FCC PART 95 WARNING

This device operates on GMRS (General Mobile Radio Service) frequencies, which require an FCC (Federal Communications Commission) license. You must be licensed prior to transmitting on these frequencies. Serious penalties could result for unlicensed use of GMRS frequencies in violation of FCC rules, as stipulated in the Communications Act's Sections 501 and 502 (amended). You will be issued a call sign by the FCC, which should be used for station identification when operating the radio on GMRS frequencies. You should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of your transmission time. To obtain a license or ask questions about the license application, contact the FCC at 1-888-CALL-FCC or go to the FCC's website: https://www.fcc.gov and request form 605.

STATION ID

Your GMRS call sign must be transmitted using voice in the English language, or with International Morse Code telegraphy using an audible tone: (a) Following a single transmission or a series of transmissions; and (b) After 15 minutes and at least once every 15 minutes thereafter during a series of transmissions lasting more than 15 minutes.
CAUTION: To avoid possible damage, avoid operating the radio or transmitting while charging via USB-C port or optional charger base, or when a USB programming cable is inserted (other than for programming).
CAUTION: This radio is rated IP55 for dust & “water jets.” Do not submerge or intentionally soak radio with any liquid (or gel).
TIP: For the longest life, remove battery from radio if storing for more than a couple weeks, with a 60% “shelf” charge. Do not store in a powered charger

MAIN FEATURES

- 5X Display Brightness for Improved Readability Outdoors!
- 3 “Dark” Display Modes • Priority Channel Quick-Jump
- 2200 mAh USB-C Battery (w/ Adapter & 6’ Cable) • Scan Advance
- 1.25 meter HAM “220 Band” Rx • 3 Power Levels & U.S. Calibration
- 999 Memory Channels • Brighter LED Flashlight • Stiff Knobs
- Pre-Programmed for GMRS + SHTF (906 Channels) • VFO
- Emergency RESET (44 Chan. incl. GMRS/HAM/NOAA/MMS/AIR/SAR)
- Analog TDR Superheterodyne FM GMRS • Duplex Operation
- FPP • Dual-PTT • BCL • VOX • Speaker & Sub-Receiver Muting
- DTMF Keypad • Simplex & Repeater Capable • Wide & Narrow BW
- 7-Band Rx w/AM AIR Band & Broadcast FM Radio w/20 Memories
- Roger Beep • 3 Scan Modes • 10 Scan Groups • Priority Scanning
- Dual Simultaneous Channel & VFO/Frequency Scanning
- Single & Dual-Watch Modes • Repeater Reverse & Talk-Around
- CTCSS/DCS Search/Scanning • Stopwatch • 2.5 kHz Tuning Steps
- 155 Split CTCSS/DCS PL Tones/Codes • 8-Character Alpha Names
- Dual Indicator LEDs • Backlight Timer/Dimmer • 5 Backlight Levels

- 3 Programmable Function Side-Keys • Manual & Auto Key/PTT Lock
- Key Beeps • Voice Announce • ANI PTT-ID • Time-Out-Timer
- 10 Squelch Levels • Squelch Monitor • Squelch Tail Eliminator
- Battery Saver • Battery Voltage Meter • 8″ GMRS-Tuned Antenna

FEATURE ADDITIONS & IMPROVEMENTS

The following features have been added, modified or improved upon over the original KG-UV9D(Plus) & KG-UV9P amateur radios, on which\ the UV9GX+ is based.

- 5X Display Brightness: The UV9GX+ color TFT display now has 5 times the brightness output (1000CD, perceived as at least 2X brighter) for improved readability outdoors or in very bright light. The output can reduced with [MENU 27_ABR-LV | 01–05] for indoor use.
- USB-C Charging: A 2200 mAh USB-C Li-ion battery is included as standard with a USB-C AC Adapter & USB-C charging cable. (Optional 2000 mAh & 3200 mAh batteries available separately.)
  Note: The Cross-Band Repeater feature is not available on the GMRS band. The Repeater Offset/Direction features are only available via software or channel copy
- 3 New Dark Display Modes: Use [MENU 62_SCN-MD] to set 1 of
- 4 color screen modes with 3 new “dark” backgrounds:
  - Classic: Traditional Blue Text on White background.
  - Covert: Dark Red on Black background for minimal exposure.
  - Day 1: Bright Yellow on Black background for highest contrast.
  - Day 2: White on Black background for high contrast.
- Priority Channel Quick-Jump: Long-Press the BAND key to instantly switch to your Priority Channel on the A receiver, even while scanning. The function will halt activity on the A receiver (except while in Function or FM Radio Menus), leaving the FM Radio and B receiver uninterrupted. This is handy for setting an emergency EmComm or CALL Channel (default), a favorite “home” repeater or channel, NOAA WX station, or Public Safety/Scanner channel, etc.
- Scan Advance: If you encounter an unwanted signal while scanning in TO/CO Scan Modes, you can use the Channel Knob or ▲▼ keys in either direction to quickly advance/resume scanning (previously had to exit and scan again). See Scanning

section for more details.

- 1.25 meter HAM “220” Band Rx: Range now covers 219–250 MHz.
- Bright Flashlight: Includes a brighter LED flashlight with tight beam.
- Stiff Knobs: The channel and volume knobs now have additional \washers that provide more resistance, to help avoid accidental changes (can be removed for less resistance).
- 3 Power Levels: Low = 0.5 Watts | Mid = 2 Watts | High = 5 Watts.
- Pre-Programed for GMRS + SHTF: The UV9GX+ now comes preprogramed with 906 channels, including all GMRS/FRS channels with multiple repeater banks, HAM FM Call & Simplex frequencies, loads of general & SHTF receive-only channels such as NOAA Weather stations, MURS, MMS (Marine), AIR (Aviation), AAR (Railroads), SAR, and various national GOV emergency and other agency frequencies (not active in all areas).
- Emergency RESET ALL: The radio now defaults to 44 useful SHTF emergency channels after performing a MENU RESET ALL function. See the DEFAULT CHANNEL PROGRAMMING TABLE (below).

LCD DISPLAY DATA & ICONS

Row 1	**TKA**	Talk-Around (Simplex)
	VOX	Voice Operated Transmit Enabled
	S	Battery Saver Enabled
		LOCK Mode Enabled (Keypad, Ch Knob, PTT, ALL)
		Battery Charge Level (100% shown)
Row 2	C	**Priority Scanning** On (flashes after recent signal)
	FM or **"MSG"**	**FM Radio** On or Muted/Freq. or Personal Message
A/B Rec.	or	Receiver On or Muted
Top	**QT** or **DT**	**Rx CTCSS** or **DCS** Enabled (or **Tx** during transmit)
Row	T	DTMF Encoding/Decoding Enabled
	W or **N**	**Wide** or **Narrow** Modulation Bandwidth
	+ or **–**	Positive or Negative Repeater **Tx Offset Direction**
	R	**Repeater Reverse** Enabled (Swaps Rx/Tx Freqs)
	★	**Priority Channel**
		Most Recently Received **Call** (signal or select call)
	MAIN	Currently Selected ***MAIN*** Receiver/Transmitter
A/B Rec.	**GMRS 3E** 003	Channel Name + Channel # (**NAME** Display Mode)
Center	**462.61250**	Frequency (**FREQ-VFO** Display Mode, in MHz)
Row	**CH–003** 003	Memory Channel # + Channel # (**CH** Display Mode)
	462.61250 003	Frequency + Channel # (**CHFREQ** Display Mode)
	7.40V	**Battery Voltage** Level (DC Volts) **MENU VOLTAGE**
	BCL	Busy Channel / Tx Inhibit when **BCL** Enabled
	FRQ OVER	Tx frequency is blank or outside of avail. Tx range
	00. 00. 00	**SECOND** (Stopwatch) Time (in HH. MM. SS)
	[FUNCTION/VALUE]	Various **MENU** Functions or Settings/Values
A/B Rec.	**H** or **M** or **L**	High, Middle or Low **Tx Power**
Bottom	▬▬▬▬▬▬▬▬	**Rx** (Signal) S-Meter or **Tx Power** (during transmit)
Row	**AM**	Amplitude Modulation Enabled (FM mode when off)

RADIO CONTROLS & INDICATORS

BASIC OPERATION

Key Presses: The PF2 & PF3 side-keys and several front panel keypad keys allow short and long presses (see below) to access primary and secondary functions (such as ✱-SCAN for the Repeater
Reverse/Scan functions — see the Programmable Function Keys &
Keypad Shortcuts sections above). A quick momentary press or "Short-Press" (SP) activates the primary key function. A "Long-Press" (LP) involves holding down a key for about 1–2 seconds to activate the secondary key function.
Function Menu: Press the MENU key to enter the Function Menu.\ Use the Channel Knob, ▲▼ or 1–9 keys to select a function. Press MENU again to Edit the selected function. Use the same controls to select or enter a value, then press MENU again to write any changes. Press EXIT at any time to exit the function Menu or to abort the current Menu operation without saving changes for the currently selected function, or

wait for the MENU to time-out (about 10 sec.).

Display Modes: Long-Press TDR|V/M to cycle through all 4 Display Modes:

- NAME (default): Displays the stored Name (if any) for the current memory channel, with the channel # to the right (in small text).
- FREQ-VFO (Variable Frequency Oscillator): For direct frequency tuning/input, scanning frequencies, or programming new channels. Acts like a traditional “digital” radio tuner.
- CH: Displays the Number for the current memory channel, with the channel # to the right (in small text).
- CHFREQ: Displays the frequency stored for the current memory channel, with the channel # to the right (in small text).
  TIP: You can hold down the ▲▼ keys or use the Channel Knob to quickly scroll through channels, frequencies, or MENU functions/values.
  TIP: You can use the EXIT key as a backspace key while entering a frequency in the FREQ-VFO Display Mode.

Receiving (Rx): Turn the radio on by rotating the On/Off/Volume Knob clockwise. Use the Channel Knob, ▲▼ or 1–9 keys to select the desired channel. Adjust the Volume Knob as desired.

- Main: Toggle the active MAIN receiver with the BAND key.
- Single/True Dual Receive: Toggle Single or True Dual Receive Modes with the TDR|V/M key.
- Sub-Receiver Muting: You can choose if you want audio on the Sub-Receiver (opposite of MAIN) muted (while in TDR mode) when a signal is received (even while scanning), or when you transmit on the MAIN receiver, or both. Use [MENU 60_S-MUTE | OFF, RX–MUTE, TX–MUTE, R/T–MUTE] to toggle.
- Rx CTCSS: Set CTCSS tones or DCS codes (sometimes referred to as “PL Tones” or “Privacy/Quiet Tones”) with [MENU 16_Rx–CTC] or [MENU 18_Rx–DCS] to mute the receiver unless a signal includes the specified tone/code. Setting one Rx type will remove the other.
- SQUELCH: Set with [MENU 08_SQL–LE | 0–9] to mute the speaker for background noise or signals below the certain level. A squelch level of 5 or 6 is usually a good

starting point.

Note: The top A Receiver can tune/scan all 7 bands available.

The B Receiver covers only the normal dual-band “UV” range: 136–174.9975 MHz & 400–512.9975 MHz.

Transmitting (Tx): Choose the desired channel or frequency. SP PF3 Monitor to confirm channel is not in use, then again to mute.\ Hold the radio upright/vertical a few inches from your mouth with the display facing you or at a slight angle. \Press & hold the PTT key, pause for about one second, then speak at a normal, consistent volume. Release the PTT key to stop transmitting. The radio will immediately return to receiving.

- Tx CTCSS: Set CTCSS tones or DCS codes with [MENU 17_Tx– CTC] or [MENU 19_Tx–DCS] to transmit a sub-audible tone/code with your signal to other stations, or to access repeater stations. Setting one Tx type will remove the other.
- Roger Beep: Set to transmit a tone at the beginning or end of your transmission (or both) with [MENU 15_ROGER]. The EOT (End Of\ Tx) setting is most commonly used so other stations know when your transmission is over, instead of saying “OVER.” It’s typically discouraged while operating on GMRS repeaters.
- Busy Channel Lockout: Avoid accidentally transmitting when there’s an active signal detected (useful when Rx CTCSS or DCS is set) with [MENU 18_BCL].

Broadcast FM Radio: The Commercial FM Radio feature tunes from 76 to 108 MHz in 100 kHz steps. It offers an VFO Mode (IN FRQ) with SE Search Scanning, Memory SAVE, and Memory reCALL functionswith 20 dedicated memories. When operating the FM Radio, the MAIN & Sub-Receiver (if in TDR Mode) will be “watching” for active signals and will mute the FM Radio and play the MAIN or Sub-Receiver signal audio instead. When the signal ceases, the UV9GX+ will resume playing the current FM Radio station, until the feature is turned off.

- Enter the FM Radio feature with SP PF2. Do the same to exit.
- Toggle between IN FRQ/SAVE/CALL modes with SP #-LOCK.
- Press the ✱-SCAN key to scan for an active FM Radio station.
- Use the 1–9 keys or Channel Knob to enter/select a frequency or memory channel in

IN FRQ/CALL modes, then press the MENU key to commit the entry/selection.

Scanning: To start scanning memory channels or frequencies on the current MAIN receiver, use LP ✱-SCAN key, or optionally assign “SCN” to a PF Side Key. See the three Scan Review Modes to the right. To start scanning on the other receiver, press the BAND key to switch the MAIN receiver, then LP ✱-SCAN key. Use [MENU 60] to control Sub-Receiver Muting and BAND key to select primary (MAIN) receiver. To exit Scanning on an active channel/frequency, switch to the desired MAIN receiver with SP BAND key, then press any other key (other than ▲▼ and BAND), such as EXIT, 0–9, or ✱-SCAN.

The UV9GX+ offers single or dual receiver scanning of all 999 memory channels with three available Scan Review Modes set independently for each receiver via [MENU 20_SC–REV | TO/CO/SE].

- TO Timer Scan Review Mode: Scans until a signal is received, pauses for 5 seconds to preview audio, then resumes scanning.
- CO Carrier Scan Review Mode: Scans until a signal (carrier) is received, pauses until it ceases, then resumes scanning if no new signal is detected within 3 seconds.
- SE Search Scan Review Mode: Scans (searches) for the first signal that “opens” the set squelch level, then exits Scanning, remaining on the current channel or frequency.
- Scan Group: Set the active Scan Group (10 avail., defined in CPS) independently for each receiver. Use SP BAND to select the desired MAIN receiver, then set with [MENU 49_SCN-GP | 01–10].
- Scan Advance: If you encounter an unwanted signal while scanning in the TO or CO Scan Modes, use the Channel Knob or ▲▼ keys to instantly advance/resume scanning in either direction.
- Priority Scan: When “ON” [MENU 33_PRI-SCN], checks Priority Channel [MENU 32_PRI-CH] for a signal every 1–2 seconds on the MAIN receiver, when not in regular Scanning Mode on that receiver.

PROGRAMMING VIA COMPUTER

You can program channel data and most radio menu settings on your UV9GX+ via computer with the free WOUXUN Customer Programming Software (CPS) and the “Red” PCO-009 USB Programming Cable (sold separately at BSR) & free USB driver

software, available at BetterSafeRadio.com/UV9GX+. For more advanced editing features, the RT Systems UV9G Advanced Programming Software & USB Cable Kit (sold separately at BSR) can be used instead (excluding the Dark Display Modes). Or use the free open-source CHIRP programming software (search for “CHIRP my radio” on the web), including to customise the “BetterSafeRadio” Personal Display Message (16 char. max.).

TIP: Search for local repeaters & request permission at myGMRS.com

Adding New or Copying Existing Memory Channels: You can add new simplex GMRS Tx/Rx channels or copy existing repeaters, or add Rx-Only Scanner channels to any memory with the keypad, as desired.

- Add New Simplex or Scanner Channels:
- Switch to the FREQ-VFO Display Mode (see above).
- Use the Channel Knob, ▲▼ or 1–9 keys to select/enter the desired frequency (radio will auto-complete trailing zeros).
- Set any other desired parameters in the Function Menu.
- Write the VFO to a channel with [MENU 30_MEM-CH | 001–999]. New/unused channels are indicated in an alternate color. (See Basic Operation – Function Menu instructions.)
- Copy Existing Simplex/Repeater/Scanner Channels:
- Switch to the CH, CHFREQ or NAME Display Mode.
- Use the Channel Knob, ▲▼ or 1–9 keys to select/enter the desired channel to copy.
- Write the channel to a new memory with [MENU 30_MEM-CH]. New/unused channels are indicated in an alternate colour. Repeater settings will be retained, including the Offset Freq. & Direction. You can rename the new channel (see below).
- Switch to CH, CHFREQ or NAME Display Mode and use the Function Menu to set any desired parameters, such as W/N, TXP, BCL, Rx-CTC/DCS, Tx-CTC/DCS, CH-NAME, or SCAN-ADD, etc., to customize the new or copied memory channel.
- While setting a Channel Name with [MENU 29_CH–NAME], use the Channel Knob, ▲▼ or 1–9 keys to select/enter a character/number, #-LOCK to accept and move forward, and EXIT to move back. When done, press MENU to write the new name, or LP EXIT to abort without writing. You can use up to 8 characters.

Note: Some Menu Functions can only be set in a specific Display Modes: SCN–ADD & CH-NAME are only available in the NAME, CH & CHFREQ Modes, OFFSET in the FREQ-VFO Mode, and SFT-D via software only (indicated in Function Menu Options table below)

DEFAULT CHANNEL PROGRAMMING TABLE

The following 44 emergency SHTF channels are restored after performing a MENU RESET ALL function [MENU 61_RESET | ALL].

Ch	Name	Rx Freq.	Tx Freq.	Ch	Name	Rx Freq.	Tx Freq.
001	GMRS 01**C**	462.5625	462.5625	**023**	GMRS**r**15	462.550	467.550
002	GMRS 02**S**	462.5875	462.5875	**024**	GMRS**r**16**S**	462.575	467.575
003	GMRS 03**E**	462.6125	462.6125	**025**	GMRS**r**17	462.600	467.600
004	GMRS 04	462.6375	462.6375	**026**	GMRS**r**18	462.625	467.625
005	GMRS 05	462.6625	462.6625	**027**	GMRS**r**19	462.650	467.650
006	GMRS 06	462.6875	462.6875	**028**	GMRS**r**20**T**	462.675	467.675
007	GMRS 07	462.7125	462.7125	**029**	GMRS**r**21	462.700	467.700
008	GMRS 08	467.5625	467.5625	**030**	GMRS**r**22	462.725	467.725
009	GMRS 09**S**	467.5875	467.5875	**981**	NOAA WX1	162.550	Rx Only
010	GMRS 10	467.6125	467.6125	**982**	NOAA WX2	162.400	Rx Only
011	GMRS 11	467.6375	467.6375	**983**	NOAA WX3	162.475	Rx Only
012	GMRS 12	467.6625	467.6625	**984**	NOAA WX4	162.425	Rx Only
013	GMRS 13	467.6875	467.6875	**985**	NOAA WX5	162.450	Rx Only
014	GMRS 14	467.7125	467.7125	**986**	NOAA WX6	162.500	Rx Only
015	GMRS 15**C**	462.550	462.550	**987**	NOAA WX7	162.525	Rx Only
016	GMRS 16**S**	462.575	462.575	**988**	NOAA WX8	161.650	Rx Only
017	GMRS 17**E**	462.600	462.600	**989**	NOAA WX9	161.775	Rx Only
018	GMRS 18	462.625	462.625	**991**	MMS 16**EM**	156.800	Rx Only
019	GMRS 19	462.650	462.650	**992**	AIR **EM**	121.500	Rx Only
020	GMRS 20**T**	462.675	462.675	**993**	**SAR EMT**	155.160	Rx Only
021	GMRS 21	462.700	462.700	**995**	**2m** HAM	146.520	Rx Only
022	GMRS 22	462.725	462.725	**996**	**70cm** HAM	446.000	Rx Only

(Tx–CTC “PL Tone” of 141.3 on all GMRS channels except 210.7 on chs. 2 & 16)
C = CALL S = Safety EM/E = Emergency/Prepper T = Travel r = Repeater
NOAA = National Weather Service MMS = Maritime Marine
AIR = Aviation (AM) 2m/70cm = VHF/UHF HAM Band CALL Frequencies

SAR EMT = Search & Rescue / Emergency Medical Technicians

Function Menu Options & Descriptions

01	**ABR:s** Auto Backlight Timer	**OFF** | 1S–**30**S | **ALWAYS ON** | (in seconds) Duration LCD backlight remains on after any activity.
02	**SAVE** Battery Power Saver	**OFF** | **1–4** (1=2:4, 2=2:6, 3=2:8, 4=3:9 – in 100mS) Receiver duty-cycling to save battery life. Set #4 in software.
03	**STEP** Tuning Step	**2.5**K | **5**K | **6.25**K | **8** | **10**K | **12.5**K | **20**K | **25**K | **30**K | **50**K | **100**K Tuning step for FREQ-VFO Display Mode in kHz.
04	**W/N** Modulation Bandwidth	**WIDE** | **NARR** (16 kHz | 11 kHz) Rx/Tx modulation bandwidth for 25k / 12.5k channels.
05	**TXP** Transmit Power	**LOW** | **MIDDLE** | **HIGH** (0.5 Watts | 2 Watts | 5 Watts) RF output power level for Tx (transmit).
06	**SFT–D** (in software only) Tx Shift Direction	**Disabled for GMRS compliance.** (always + Dir. on GMRS) Copy existing repeater to new memory channel to clone.
07	**VOX** Voice-Operated Transmit	**OFF** | **01–10** (01 is highest sensitivity) Sensitivity for automatic Tx based on microphone voice level.
08	**SQL–LE** Squelch	**0–09** (0 = OFF/OPEN) Signal strength threshold for squelch speaker muting.
09	**ROGER** Roger Beep	**OFF** | **BOT** | **EOT** | **BOTH** (B = Beginning, E = End Of Tx) Courtesy "OVER" tone during Tx. Excluding repeaters.
10	**TOT:s** Time-Out Timer	**15**S–**180**S (in 15 second increments) Timer for automatic Tx shutoff to protect transmitter.
11	**TOA:s** Time-Out Timer Alarm	**OFF** | **01**S–**10**S (in seconds) LED warning flashing time before TOT expires.
12	**VOICE–SW** Voice Announce/Prompt	**OFF** | **ON** Voice announcements/prompts.
13	**BEEP** Key Beep	**ON** | **OFF** Audible keypad & function key confirmation tone.
14	**MENULANGE** Menu Language	**Disabled. Always set to ENGLISH.**
15	**BCL** Busy Channel Lockout	**OFF** | **ON** Tx inhibit when active signal detected on channel/freq.
16	**Rx–CTC** Cont. Tone-Coded Squelch	**OFF** | **67.0**Hz–**254.1**Hz (or non-standard values via keypad) Rx CTCSS "PL/Quiet Tone" decoding for speaker muting.
17	**Tx–CTC** Cont. Tone-Coded Squelch	**OFF** | **67.0**Hz–**254.1**Hz (or non-standard values via keypad) Tx CTCSS "PL/Quiet Tone" encoding during transmit.
18	**Rx–DCS** Digital-Coded Squelch	**OFF** | **D023N/I–D754N/I** (Press **#** to toggle DCS polarity) Rx (receive) DCS "DPL" decoding for speaker muting.
19	**Tx–DCS** Digital-Coded Squelch	**OFF** | **D023N/I–D754N/I** (Press **#** to toggle DCS polarity) Tx DCS "DPL" encoding during transmit.
20	**SC–REV** Scan Review	**TO** | **CO** | **SE** (Timer | Carrier | Search) Signal detection/monitor behavior while scanning.
21	**SP–MUTE** Speaker Muting	**QT** | **QT✱DT** | **QT&DT** (Quiet Tone | QT or ANI | QT & ANI) Require Quiet Tone and/or ANI–ID to unmute speaker.
22	**DTMF–ST** DTMF & ANI Side-Tones	**OFF** | **DT–ST** | **ANI–ST** | **DT+ANI** (DTMF | ANI-ID | Both) Enable hearing DTMF keypad and/or ANI–ID tones during Tx.
23	**PTT–ID** Transmit Unit ID #	**OFF** | **BOT** | **EOT** | **BOTH** (B = Beginning, E = End) Send your ANI-ID (Unit #) during Tx with PTT (Push-To-Talk).
24	**ID–EDIT** Unit Identification	**0–9** (ANI-ID up to 6 digits, 3-digit min., use keypad to enter) Automatic Number Identification (Unit #) for Selective Calling.
25	**ID–DLY:ms** Identification Tx Delay	**100**MS–**3000**MS (in milliseconds) Delay before ANI-ID is sent after Tx starts, with PTT-ID.
26	**RING:s** Incoming Select Call Ringer	**OFF** | **01**S–**10**S (in seconds) Duration of audible ringer before voice, when Rx ANI-ID.
27	**ABR–LV** Automatic Backlight Level	**01–05** (05 is highest brightness) Brightness for automatic LCD backlight.
28	**OFFSET** (VFO mode only) Tx Offset Frequency	**0–999.99750** (in MHz, Only 005.00000 MHz used on GMRS) TX + offset freq. when operating a GMRS repeater.
29	**CH–NAME** (ch mode only) Channel Alpha-8 Name	**! " # $ % & ' ( ) * + , – . / 0–9 : ; < = > ? @ A–Z [\ ] ^ _ ` a–z { | } ~** Enter up to 8 char., ***#-LOCK***=right, ***EXIT***=left, *LP* ***EXIT***=exit
30	**MEM–CH** Save Memory Channel	**001–999** (3 digits, ***MENU***=write, ***EXIT***=cancel) Write current settings to any used/unused memory channel.
31	**DEL–CH** Delete Memory Channel	**001–999** (3 digits, ***MENU***=erase, ***EXIT***=cancel) Erase any used memory channel.
32	**PRI-CH** Priority Channel	**001–999** (3 digits, ***MENU***=set, ***EXIT***=cancel) Set any used memory channel as the Priority Channel.
33	**PRI–SCN** Priority Channel Scan	**ON** | **OFF** Enable Priority Scanning (of the Priority Channel in standby).

34	**AUTOLOCK** Auto-Lock	**OFF** | **ON** Enables LOCK mode after 15 seconds of no activity.
35	**LOCKMODE** Lock Mode	**KEY–LK** | **KEY+PG** | **KEY+PTT** | **ALL** Keypad + PF keys, or + Ch. Knob, or + PTT (Rx-only), or all.
36	**S–TONE** Single-Tone Tx "Tone-Burst"	**1000H** | **1450H** | **1750H** | **12100H** (in Hz, press *PF3* while Tx) Frequency of Single-Tone Tx (for repeater access).
37	**VOX–DLY:s** VOX Transmit Delay	**OFF** | **01**S–**05**S (in seconds) Duration Tx continues after microphone audio/voice stops.
38	**SC–QT** Save Coded Quiet Tone	**R–QT** | **T–QT** | **R&T–QT** (Rx–CTC/DCS | TX | Both) Where found CTC/DCS tone is saved after **SCN–CD** search.
39	**APO–TMR** Auto-Power-Off Timer	**OFF** | **15**M–**150**M (in 15 minute increment) Timer for auto power off if no keypad or channel knob use.
40	**PONMSG** Power-On Message	**BATTY** | **BITMAP** (BITMAP only active if factory image set) Battery DC Volts or custom image during radio power-up.
41	**BLCDSW** Backlight LCD Switch	**OFF** | **ON** Dims LCD backlight instead of turning off completely.
42	**BLEDSW** Backlight LED Switch	**OFF** | **ON** Flashes status LED when LCD is off to indicate radio is on.
– –	**MENU 43–47**	Settings for Cross-Band Repeater not used on GMRS radio.
48	**SCN–ADD** (ch mode only) Scan Add Channel	**OFF** | **ON** Disable or enable scanning of currently selected channel.
49	**SCN–GP** Scan Group	**01:name** – **10:name** | **ALL** (Scan Groups set via software) Set active Scan Group, or all channels, for each receiver.
50	**SCN–MODE** Scan Range Mode	**ALL** | **Cur Region** | **Lmt Frq** (Limit Freqs. set via software) Limit FREQ-VFO scanning to all, current band, or limit freqs.
51	**SCN–CD** Scan CTCSS/DCS	**CTCSS** | **DCS** (Use **Ch. Knob** or ▲▼ to change scan dir.) Scan for CTCSS or DCS tone/code on active signals.
52	**CALL ID** Select Call ID	**01:name** – **20:name** (Call ID Group Names set via software) Select Calling ID (Group) to Tx (if CALL enabled on a PF key).
53	**AUTO–AM** Auto-AM Receiver Mode	**OFF** | **ON** (Activates AM Mode when AM signal detected) Disable or enable automatic AM Mode detection switch.

54	**AM-SW** AM Receive Mode Switch	**OFF** | **ON** (OFF = Normal FM Mode Rx) Disable or enable AM Mode Rx on current memory channel.
55	**PF1–DEF** *SP* Prog. Function Key 1 Short	**OFF** | **CALLID** | **R–ALARM** | **SOS** | ***SF–TX*** | **SCN** | **SECOND** | **LAMP** (italic is default)
56	**PF2–DEF** *LP* Prog. Function Key 2 Long	**OFF** | **SCN** | **SECOND** | ***LAMP*** | **K–LAMP**
57	**PF3–DEF** *LP* Prog. Function Key 3 Long	(same options as PF1) ***SECOND*** (default)
		CALLID: TX Group ID Call R–ALARM: TX Remote Siren SOS: Local Emergency Siren SF–TX: Alternate Rec. PTT SCN: Toggle Scan Mode SECOND: Toggle Stopwatch LAMP: Toggle Flashlight K–LAMP: Toggle Backlight
58	**VOLTAGE** Battery DC Volts	**SHOW** | **HIDE** Press MENU to show (for 12 sec.) or hide battery voltage.
59	**QT–SW** Quiet Tone Scan Switch	**OFF** | **ON** (ON uses CTC/DCS stored in each channel) Enable CTCSS/DCS speaker muting while scanning.
60	**S–MUTE** Sub-Receiver Mute Mode	**OFF** | **RX–MUTE** | **TX–MUTE** | **R/T–MUTE** Mute alternate receiver during Rx, Tx, or both, on ***MAIN*** *rec*.
61	**RESET** Name	**VFO** | **ALL** (Menu Functions | Menu & Memories – **BEWARE!**) **ALL** restores radio to 44-channel Emergency configuration.
62	**SCN–MD** Color Screen Mode	**Classic** | **Covert** | **Day 1** | **Day 2** Set color Screen Modes. Radio will power-cycle on change.

Visit BetterSafeRadio.com/UV9GX+ for more information or support, to download a printable PDF version of this manual or the original pre-programmed GMRS SHTF Channel Table, the original KG-UV9P manual (for advanced features), or the free WOUXUN Customer Programming Software (CPS) and USB Programming Cable software drivers, to purchase a host of useful accessories such as a high-gain tuned Smiley Antenna to extend your operating range, or to post a gear review & provide constructive feedback, which are always appreciated. Thanks & Be Safe!
When the SHTF, BetterSafeRadio than Sorry!

Frequently Asked Questions

- **Q: Can I use the Cross-Band Repeater feature on the GMRS band?**
  - A: No, the Cross-Band Repeater feature is not available on the GMRS band.
- **Q: How can I switch to the Priority Channel on the A receiver?**
  - A: You can instantly switch to your Priority Channel on the A receiver by following the instructions in the manual. This feature halts activity on the A receiver, leaving the FM Radio and B receiver uninterrupted.

Documents / Resources

	Wouxun KG-UV9GX+ Two Way Radio Transceiver and Scanner [pdf] User Manual KG-UV9GX, KG-UV9GX Two Way Radio Transceiver and Scanner, KG-UV9GX, Two Way Radio Transceiver and Scanner, Radio Transceiver and Scanner, Transceiver and Scanner, Scanner

References

- User Manual

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KG-UV9GX, KG-UV9GX Two Way Radio Transceiver and Scanner, Radio Transceiver and Scanner, scanner, Transceiver and Scanner, Two-Way Radio Transceiver and Scanner, wouxun

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