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www.buytwowayradios.com

Contents

Safety Information	11
FCC Licensing Information.....	14
Getting Started	15
Feature Summary.....	15
What's Included	17
Front Panel Guide	18
Right / Left Side Guide	19
Display Guide.....	20
Dust and Water Protection.....	21
Installing and Removing the Battery.....	22
Charging the Battery	23
Antenna Information.....	25
Installing the Belt Clip	25
Operation	26

Introducing GMRS and the KG-Q10G	26
Power On/Off and Adjusting Volume	27
Your First Transmit.....	27
Dual Display: Using Areas “A” and “B”	29
Channel and Frequency Modes	31
Channels and Tones.....	33
Using Repeaters	34
CB Radio Channels.....	37
Channel Scan.....	38
Priority Channel Scan	39
Scan Groups	41
Scanning CTCSS / DCS Codes	42
NOAA Weather Mode.....	43
Key Lock	46




Keypad Hotkeys	47
Keypad Function Keys	48
Programmable PTT Keys.....	49
Programmable Function Keys	50
FM Radio	56
Stopwatch Timer	58
Area Menu Functions.....	59
Using the Area Menu	59
[01: SQUELCH] Squelch.....	59
[02: TX-POWER] Output Power.....	60
[03: W/N] Bandwidth	60
[04: STEP] Frequency Step.....	60
[05: RX-CTCSS] Receive CTCSS Tone	61
[06: TX-CTCSS] Transmit CTCSS Tone	61

[07: RX-DCS] Receive DCS Code.....	61
[08: TX-DCS] Transmit DCS Code.....	62
[09: REPEATER] Repeater.....	62
[10: CH-NAME] Channel Name.....	63
[11: CH-FAV] Favorite Channel.....	64
[12: CH-ADD] Add Memory Channel.....	64
[13: CH-DELETE] Delete Memory Channel.....	64
[14: BUSY-LOCK] Busy Channel Lockout.....	65
[15: MUTE-MODE] Speaker Mute.....	65
[16: DESCRAMBL] Descrambler.....	66
[17: COMPAND] Compander.....	66
[18: SEND-LOC] Send Location.....	66
[19: CALL-GROUP] Select Call Group.....	67
[20: SCAN-ADD] Scan Add / Delete.....	67

[21: TONE-SCAN] CTCSS/DCS Scanning.....	67
[22: SCAN-GROUP] Scan Group	68
[23: VFO-SCAN] Frequency Mode Scan Options.....	68
[24: WORK-MODE] Work Mode	69
[25: CH-WIZARD] Channel Wizard.....	70
[26: AM-MODE] AM Modulation Mode.....	70
System Menu Functions	71
Using the System Menu	71
[01: BRT-ACTIVE] Active Brightness	71
[02: BRT-STANDBY] Standby Brightness.....	71
[03: BACKLIGHT] Backlight Timeout.....	72
[04: BATT-SAVER] Battery Saver.....	72
[05: WX-ALERT] Weather Alert.....	72
[06: WX-NOTIFY] Weather Alert Notification Setting	73

[07: THEME] Display Theme	73
[08: SCAN-MODE] Scan Mode	74
[09: SC-TONE-DET] Tone Scanning Detection	74
[10: PRI-SCAN] Priority Scan	75
[11: PRI-CH] Priority Channel.....	75
[12: TONE-SAVE] CTCSS/DCS Tone Save Options	76
[13: ROGER] Roger Beep	76
[14: TOT] Transmit Overtime Timer	77
[15: TOA] Transmit Overtime Alarm	77
[16: VOX] Voice Activated Transmit.....	78
[17: VOICE] Voice Guide.....	78
[18: BEEP] Button Beeps.....	78
[19: PTT1-DEF] Push-To-Talk 1 Key Assignment	79
[20: PTT2-DEF] Push-To-Talk 2 Key Assignment	79



[21: PF1-SHRT] Side Key PF1 Short Press Assignment.....	79
[22: PF1-LONG] Side Key PF1 Long Press Assignment.....	80
[23: PF2-SHRT] Side Key PF2 Short Press Assignment.....	80
[24: PF2-LONG] Side Key PF2 Long Press Assignment.....	81
[25: TOP-SHRT] Top Key Short Press Assignment.....	81
[26: TOP-LONG] Top Key Long Press Assignment	82
[27: STARTUP] Power On Message	82
[28: TOP-MSG] Custom Top Message.....	83
[29: AREA-MSG] Custom Area Message	84
[30: AUTOLOCK] Auto Lock	84
[31: SIDETONE] Sidetone Setting	85
[32: RADIO-ID] Edit Radio ID	85
[33: PTT-ID] Radio ID Setting	86
[34: ID-DELAY] ID-Delay	86

[35: RING] Ring Time	87
[36: ALERT] Tone Alert.....	87
[37: TIMER] Stopwatch Timer	88
[38: SMUTESET] Secondary Area Mute Setting.....	88
[39: BATT-TYPE] Battery Level Display Type.....	88
[40: RPT-TONE] Squelch Tone.....	89
[41: TIME] Time Display	89
[42 TIME-ZONE] Set Time Zone.....	90
[43: FM-RADIO] FM Radio	90
[44: LOCATION] GPS Location Setting.....	90
[45: RESET] Factory Reset.....	92
Advanced Operation	93
Adding and Removing Channels.....	93
Channel Wizard	97



GPS / Location Function105

Setting Non-Standard CTCSS or DCS110

DTMF Encoding112

Remote Control.....117

Troubleshooting 121

Technical Information 123

 Specifications123

 Standard CTCSS and DCS Tones125

 Default GMRS Channels and Frequencies127

 Default CB Channels and Frequencies.....129

 NOAA Weather Channels130

Optional Accessories..... 131

Limited Warranty 132

The KG-Q10G is an electrical apparatus, as well as a generator of RF (Radio Frequency) energy, and you should exercise all safety precautions as are appropriate for this type of device.

Please read the suggestions and warnings below before using the transceiver.

- ⚠ Keep the transceiver and accessories out of the reach of children.
- ⚠ Do not disassemble the transceiver.
- ⚠ Only use the supplied battery pack and charger or genuine Wouxun branded replacements purchased from an authorized dealer. Using improper batteries and charging accessories can damage the transceiver.
- ⚠ The supplied antenna is tuned for the frequencies supported by this transceiver. Using an aftermarket antenna can damage the transceiver.
- ⚠ Do not leave the transceiver exposed to direct sunlight or in overheated areas for an extended period of time.
- ⚠ Keep the transceiver away from dusty or humid areas.

Safety Information

- ⚠ The transceiver should be cleaned with mild detergents and a soft brush or cloth. Avoid cleaning with aggressive chemicals.
- ⚠ NEVER transmit without a properly connected antenna.
- ⚠ If an abnormal odor or smoke is detected from the transceiver, power it off immediately, then remove the battery pack. Contact your dealer for further assistance.
- ⚠ Only the carry accessories supplied with this radio (such as the belt clip) should be used. Use of other accessories may exceed RF exposure guidelines.

Notice

- These tips are important for safe operation of your KG-Q10G radio and its accessories. If the transceiver does not function normally, please get in touch with your dealer immediately.
- If you use components or accessories not produced by the Wouxun Company, Wouxun will not guarantee the safety and usability of the transceiver.

Caution

Please read this manual before using the radio, as it includes important instructions for the safe handling, use and operation of your radio.

FCC Compliance

This device complies with Part 15 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 US FEDERAL LAW.

Safety Information

Radio Operation and EME Exposure

Use only an antenna designed for use with this radio and its operating frequencies. Unauthorized modifications or attachments may damage the radio and violate FCC rules.

DO NOT hold the antenna while the radio is in use.

DO NOT attempt to use the radio with a damaged antenna.

FCC Licensing Information

The Wouxun KG-Q10G is FCC Part 95E type accepted for use on the GMRS. The KG-Q10G operates on General Mobile Radio Service (GMRS) frequencies according to the Federal Communications Commission (FCC) Rules in the United States. As such, a GMRS license is required to transmit on these frequencies. To obtain an FCC license for the GMRS, please go to the FCC's web site and complete the online application or request FCC Form 605.

Feature Summary

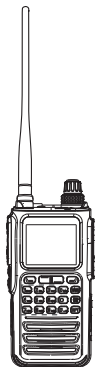
- 30 GMRS Channels
- 8 Built-In GMRS Repeater Channels
- 40 Receive Only CB Channels
- 999 Memory Channels
- 7 NOAA Weather Channels
- 5 Weather Alert Notifications
- GPS Location Data Display
- Up to 6 Watts Output Power
- IP67 Waterproof
- Frequency (VFO) Mode
- USB-C Charging Port
- Simultaneous Dual Channel Receive
- Full Color Dual Channel Display
- 10 Colorful Theme Options
- 4 Customizable Display Themes
- 4 Selectable Power Levels
- Wide/Narrow Bandwidth Selectable
- Standard and Non-Std CTCSS/DCS
- CTCSS/DCS Tone Scan
- Channel Scan/Priority Scan
- Favorite Channels
- Channel Wizard
- Scan Group Support
- Group Call/All Call/Select Call
- Display Channel Name, Number, or Frequency
- Custom Display Messages
- Incoming Caller ID Display

Getting Started

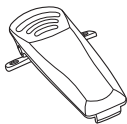
- DTMF Encode/Decode
- Descrambler
- Receive (RX) Frequency Range:
 - 26.965-27.405 MHz (CB, AM/FM)
 - 76-108 MHz (FM)
 - 108-136 MHz (Airband, AM)
 - 136-174 MHz (FM)
 - 222-225 MHz (FM)
 - 320-480 MHz (FM)
 - 714-999 MHz (FM)
- Transmit (TX) Frequency Range:
 - 462.550-462.725MHz (GMRS Channels 1-7 and 15-22)
 - 467.550-467.725MHz (GMRS Channels 8-14 & Repeater 23-30)
- English Voice Guide
- Superheterodyne Receiver
- Reverse Frequency
- Talkaround
- VOX
- Full Backlit Keypad
- Stopwatch Timer
- Clock Display
- Voltage Display
- Built-in Flashlight
- Remote Stun/Kill/Monitor/Inspect
- 2 Configurable Side Keys
- Configurable Top Key
- 2 Programmable PTT Keys
- PC Programming Software Support

What's Included

Carefully unpack the contents of the box and be sure that you have the items in the list below. If any items are missing or damaged, please contact your dealer.



Transceiver



Belt Clip



Lithium-ion Battery Pack



Intelligent Charger



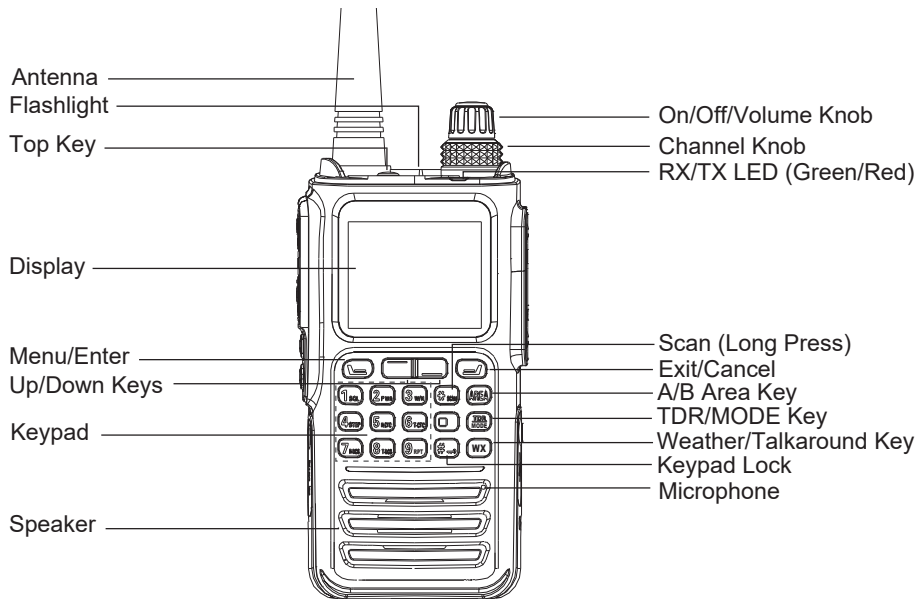
Wrist Strap



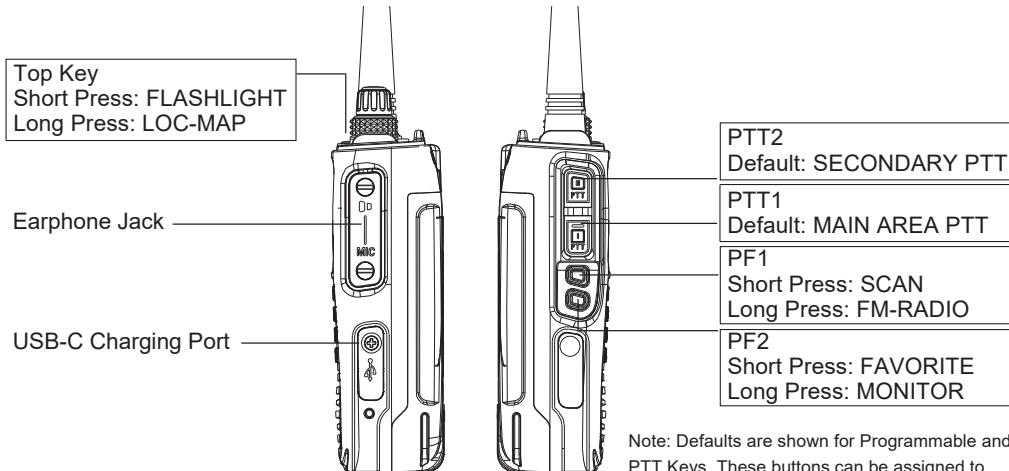
User's Manual

Getting Started

Front Panel Guide

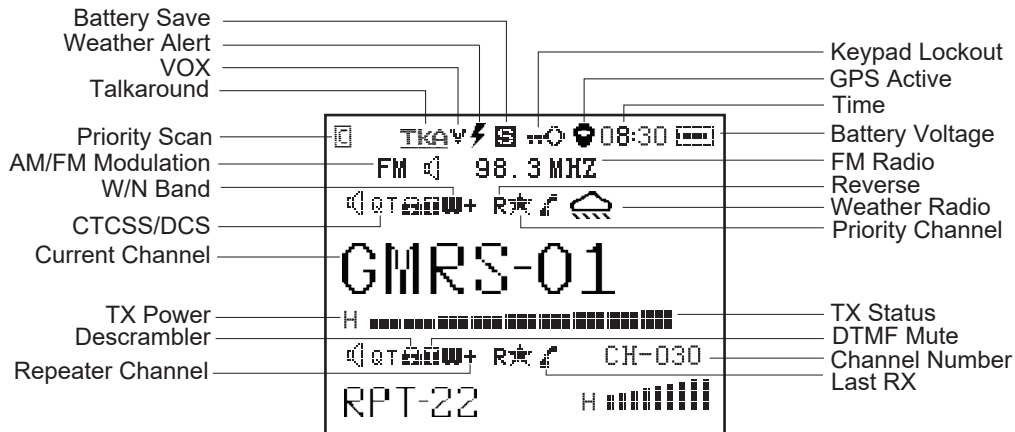


Right / Left Side Guide



Getting Started

Display Guide



Dust and Water Protection

The KG-Q10G is waterproof to IP67 standards. It is dust resistant and rated to withstand any ingress of solid objects and can withstand immersion in up to 1 meter of water for up to 30 minutes. This radio is dust and waterproof only while the battery is properly installed and locked in place with no gaps and all ports are completely sealed with their port covers using the original supplied screws. Use of a headset or other accessory will negate the dust and waterproofing features of this radio. Do not attempt to operate this radio if it has been submerged in water deeper than 1 meter.

- The radio charger is NOT dust or waterproof.
- Charge the radio only under dry conditions.
- DO NOT charge the radio when it is wet.
- DO NOT expose the radio and charger to wet environments when charging.
- If the screws and/or port covers are removed, the radio is no longer IP67 compliant.
- Use only the supplied screws to seal the port covers.

Installing and Removing the Battery

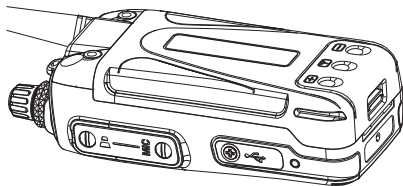
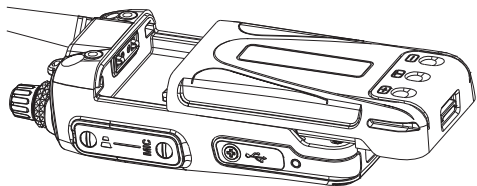
The lithium-ion battery pack included with the radio is not fully charged out of the box. It is recommended to charge it before using the radio for the first time.

Installing the Battery

Slide the battery pack up along the back of the radio until it stops. Then push the bottom of the battery towards the radio until it clicks into place.

Removing the Battery

Pull the release latch toward the three battery contacts. While holding latch in place, press down on the top end of the battery pack, then slide it down and off the radio.



Charging the Battery

The KG-Q10G features two charging options for the battery pack. It can be charged using the included desktop charger or the built-in USB-C port on the side of the radio.

Charging with the Desktop Charger

The KG-Q10G includes an intelligent desktop charger. It can charge the battery pack with or without the radio attached.

1. Insert the AC plug into an available 100~240v outlet. The LED light on the charger base will flash red for 2-3 seconds. This indicates the charger is in standby mode.

Note

- When a completely drained battery is first inserted into the charger, the charger will switch to trickle charge mode and the LED will flash red continuously.
- After 10-20 minutes the charger will switch to normal charging mode and the light will turn solid red. The LED will turn green when charging is complete.

Getting Started

2. Insert the battery or radio with the battery attached into the charger. The LED light on the charger will turn red to indicate the battery is charging.
3. When the LED light on the charger turns green, charging is complete.

Charging with the USB-C Port

The KG-Q10G can charge the battery from the USB-C charging port on the side of the radio using an optional USB-C cable (not included). The battery pack can be fully charged with a USB cable connected to a USB to AC adapter plugged into an AC outlet or to a USB port in a vehicle.

When the radio is connected to a power source through the USB-C charging port with a battery attached, the LED at the bottom of the port will light up red to indicate the battery is charging. The LED will turn green when charging is complete.

In addition to the charging option, the radio can be powered directly via the USB-C port while charging the battery pack.

Antenna Information

The KG-Q10G antenna is permanently attached to comply with FCC rules. Any attempt to remove it may damage your radio and will void your warranty.

Warning: To avoid injury, DO NOT attempt to operate your radio if the antenna is damaged or defective.

Installing the Belt Clip

The belt clip attaches to the back of the radio with the two supplied screws. To install the belt clip, press it against the back of the unit and line up the screw holes. Insert each screw one at a time and tighten until there is no further resistance and the belt clip is firmly attached to the radio. Do not overtighten the screws.

Introducing GMRS and the KG-Q10G

The General Mobile Radio Service (GMRS) is a two way radio service that offers some powerful benefits. Users are allowed to transmit at high power, up to 50 watts, and use advanced equipment, such as repeaters that enable you to transmit over large areas. The GMRS requires the user to purchase a license, and a single license covers the user and their extended family for 10 years.

The KG-Q10G was designed to allow you to take advantage of all that GMRS has to offer and more. Right out of the box this radio is configured to allow you to transmit on the 15 high powered GMRS simplex channels and 8 low powered simplex channels, as well as the 8 repeater channels.

Read this chapter to learn the basics of using your new KG-Q10G radio, such as selecting a channel, transmitting and receiving, and scanning.

Power On/Off and Adjusting Volume

Rotate the volume knob clockwise to power on the radio. To power off the radio, rotate the volume knob counter-clockwise until a click is felt.

To adjust the volume, use the volume knob when the radio is powered on. Turning the knob clockwise increases the volume, counter-clockwise decreases it.

Your First Transmit

Selecting a Channel

When you power on your KG-Q10G for the first time, the display will likely show “GMRS-01” in the center with “CH-001” in the upper right corner. GMRS-01 is the name of the currently selected channel. CH-001 is the channel number. Turn the Channel Knob or the [UP] / [DOWN] arrow keys to navigate through the list of channels.

As a licensed GMRS user you are allowed to use any of the channels. The channel you choose isn't as important as making sure it's the same channel the rest of your group is

Operation

using. Be sure the channel you select is also supported by the equipment everyone else in your group is using.

Most rules for GMRS are the same for all channels, but there are a few differences, particularly concerning output power. The GMRS channels on the KG-Q10G consist of 4 groups, with the following differences:

- Transmitting on GMRS channels 1-7 is limited to 5 watts of output power. These channels can transmit at up to High power (5 watts) on the KG-Q10G.
- Transmitting on channels 8-14 is limited to a half watt of output power and is for use on Low power only.
- Transmitting on channels 15-22 and 23-30 is allowed at UltraHigh power on the KG-Q10G. These channels are authorized for up to 50 watts of output power.
- Channels 23-30 receive on the same frequencies as channels 15-22, but transmit on a special offset frequency set aside for repeaters. See page 34 for more information about using the KG-Q10G with repeaters.

Transmitting and Receiving

With a channel selected, the radio is actively “listening” for an incoming signal on that channel. When a signal is detected, the transmission will be heard through the radio’s speaker. Please note, the Squelch setting (page 59) determines how strong a signal needs to be in order to be detected.

To transmit, first be sure the channel is clear and then hold the radio a few inches from your mouth. Hold down the PTT1 button (lower PTT) on the side while talking and release the PTT1 when finished.

For best performance and clarity of transmission, position the radio upright with the front of the radio facing you, hold it several inches away from your mouth and speak directly into the microphone during transmission.

Dual Display: Using Areas “A” and “B”

The KG-Q10G is two radios in one! The dual display function allows you to monitor two channels at the same time. While this may sound complex, the KG-Q10G is designed to make this powerful feature easy to use.

Operation

The display is divided in half with the top half referred to as “Area A” and the bottom half referred to as “Area B”. Each area controls a separate radio. The current primary area will be larger, occupying about two-thirds of the screen. When you perform an operation on the radio, such as changing channels or transmitting, that operation is performed on the currently active area.

Turning the Dual Display On and Off

The dual display is off by default on the KG-Q10G. Instead of a frequency or channel name, customizable text is displayed in the inactive area when the dual display is off. Use the [TDR/MODE] key on the keypad to toggle between a single and dual display.

Changing the Primary Area

With Dual Display on, press the [AREA] key on the keypad to switch the primary area.

With Dual Display off, pressing the [AREA] key will switch the currently active area as well, but will also turn off the previously active area. For example, with Area “A” on and Area “B” off, pressing [AREA] would turn on Area “B” and turn off Area “A”.

Important!

When the A or B area of the screen is the larger, dominate area, this indicates that area is the Primary and the other area is the secondary side. This is very important, as all of the active operations will be performed on the Primary side.

Channel and Frequency Modes

The KG-Q10G supports tuning frequencies via two methods: channel and frequency modes.

In channel mode, frequencies that have been saved can be selected from the channel list. This is the default mode and is the most convenient way to access commonly used frequencies. The KG-Q10G is pre-configured with 30 GMRS channels and 40 (listen only) CB channels, but allows users to save custom channels as well (up to 999). In channel mode, turning the Channel/Frequency Knob or pressing the [UP] / [DOWN] keys will tune to the next channel in the list.

Operation

Frequency mode (also referred to as VFO mode) allows you to tune directly to a specific frequency regardless of the frequency having been previously saved. In frequency mode, turning the Channel/Frequency Knob or pressing the [UP] / [DOWN] keys will tune to a higher or lower frequency, depending on which key is pressed. The STEP menu option (page 60) allows you to adjust the step between each frequency. To enter a frequency directly, type the frequency using the keypad.

Note

When entering 26-27 MHz receive-only frequencies, prefix with a zero.

The KG-Q10G can only transmit on GMRS frequencies. All other available frequencies entered in Frequency mode or through the programming software are receive only. The WORK-MODE menu option (page 69) allows you to switch between Channel and Frequency (VFO) modes. Long press the AREA key to jump between bands in Frequency mode.

The KG-Q10G supports the following frequency bands:

KG-Q10G Frequency Bands

26 - 27 MHz (CB Radio AM/FM)

108 - 136 MHz (AM)

136 - 174 MHz (FM)

222 - 225 MHz (FM)

320 - 400 MHz (FM)

400 - 480 MHz (FM)

714 - 999 MHz (FM)

Note: This list includes all of the bands on which the radio can receive. Only GMRS frequencies are available to transmit.

Channels and Tones

The KG-Q10G supports 30 built-in GMRS channels and 155 tones and codes. To successfully communicate between your stations or members of your group, all the connecting radios must be using the same frequency and CTCSS tone or DCS code.

Operation

The KG-Q10G supports both standard and non-standard CTCSS tones and DCS codes. These tones and codes can be enabled and configured in the [RX-CTCSS], [TX-CTCSS], [RX-DCS] and [TX-DCS] menu options (pp 61-62). Instructions for entering non-standard tones and codes can be found in the Advanced Operations section of this manual (page 110).

The KG-Q10G supports 999 customizable memory channels. Instructions for adding and deleting channels are located in the Advanced Operations section (page 93).

Using Repeaters

The KG-Q10G is pre-configured with 8 GMRS repeater channels. The channels are named RPT-15 through RPT-22.

What is a Repeater?

In basic terms, a repeater is a device that is used to increase the range of two way radios. Repeaters will receive a transmission on one frequency and simultaneously rebroadcast that transmission on a different frequency. Repeaters are often set up in a fixed location

and connected to an antenna that is mounted at a higher elevation to provide better range than is normally available with radio-to-radio (simplex) communications.

Locating a Repeater

Using GMRS repeaters can significantly increase the range of your radio, but just tuning to one of the repeater channels isn't necessarily going to work. You first have to be sure there is a repeater listening on that frequency, and you have to be within range of that repeater.

The best resource for locating GMRS repeaters is the website www.myGMRS.com. This site has an extensive database of GMRS repeaters throughout the United States. It is important to keep in mind that a GMRS repeater is not necessarily intended for public use. They are owned by individuals and are sometimes intended for private use or require permission to use.

Before connecting to a GMRS repeater, be sure that you have permission or that the owner is fine with public use. The description on the myGMRS website usually indicates if permission is required and provides a way to get in touch with the owner.

Operation

KG-Q10G Repeater Channels

RPT-15 through RPT-22 have the same receive frequency as channels GMRS-15 through GMRS-22. However, the transmit frequency for these channels is assigned to a frequency specifically designated as a GMRS repeater input frequency. The chart below lists the default frequencies for these channels.

Number	Channel	Receive Frequency	Transmit Frequency
CH-023	RPT-15	462.5500	467.5500
CH-024	RPT-16	462.5750	467.5750
CH-025	RPT-17	462.6000	467.6000
CH-026	RPT-18	462.6250	467.6250
CH-027	RPT-19	462.6500	467.6500
CH-028	RPT-20	462.6750	467.6750
CH-029	RPT-21	462.7000	467.7000
CH-030	RPT-22	462.7250	467.7250

Accessing a Repeater in Frequency Mode

The REPEATER menu option (page 62) allows you to transmit to a repeater while in Frequency Mode. If you are tuned to a GMRS receive frequency that is valid for repeater use and turn the REPEATER menu option ON, the KG-Q10G will transmit to the repeater input frequency when the PTT is pressed. The REPEATER menu option is ignored when the radio is not tuned to one of the 8 GMRS repeater transmit frequencies.

CB Radio Channels

The KG-Q10G can receive all 40 CB radio channels. The channels are pre-programmed into the radio out of the box. Channels 101-140 are listen-only CB channels. By default, these channels are in AM mode, but they can be changed to FM by using the AM-MODE option in the Area Menu. For quicker mode switching, the FM/AM function can be assigned to the [PF1], [PF2] or [TOP] key (pp. 79-82).

Channel Scan

The [*SCAN] key controls the scan function. To activate Channel Scan, you must be in Channel Mode. Press and hold the [*SCAN] key for two seconds or until you hear “Scan Begin”. The radio will scan each channel for activity, starting from the current channel.

Pressing the [UP] / [DOWN] keys while scanning will change the direction of the scan from low to high ([UP]) or high to low ([DOWN]). Press any other key to stop the scan. Refer to the Scan Mode menu item (page 74) for more information on the types of scans available.

The scan function can also be assigned to the programmable PF1, PF2 or TOP buttons from the menu (pp. 79-82).

Individual channels can be added or removed from the scan list using the Scan Add [SCAN-ADD] menu option (page 67).

Priority Channel Scan

The KG-Q10G supports Priority Channel Scanning. When the Priority Channel Scan function is activated using the PRI-SCAN menu option (page 75), the KG-Q10G will check the priority channel every 3 seconds for activity during normal operation. This helps prevent missing all or part of a transmission when you are primarily concerned with a single channel.

The PRI-SCAN menu item has options ON-STANDBY and ON-ALWAYS. If activity is detected on the priority channel with ON-STANDBY selected, the priority channel activity will be heard only if the radio is not receiving a transmission on the current channel. If ON-ALWAYS is selected, the priority channel activity will be heard even if a transmission is already being received on the current channel. The ON-ALWAYS option will momentarily interrupt the audio every 3 seconds when receiving as it checks the priority channel. This is a normal function of the radio.

To set a priority channel, use the [PRI-CH] menu item (page 75). To activate the Priority Channel Scanning feature, use the [PRI-SCAN] menu item (page 75).

Note

When Priority Scan is active, the screen displays a “ C ” icon in a square box.

Frequency Scan

The KG-Q10G includes advanced options for scanning frequencies. The VFO-SCAN menu option (page 68) allows you to set the frequency bands and ranges to be scanned when the [*SCAN] key is pressed to perform a scan while in Frequency (VFO) Mode.

The CUR-BAND option will only scan the frequencies in the currently active band. For instance, if you are using the 26-27 MHz CB band, the radio will only scan the frequencies on that band.

The RANGE option will scan all frequencies that are set within a predetermined range. A frequency range for the Range option can be configured in the programming software. This option is located in the VFO Scan Mode section of the Scan Group tab.

The ALL option will scan all frequencies on all of the available bands.

To activate Frequency Scan, press and hold the [*SCAN] key for two seconds or until you hear “Scan Begin”. The radio will scan each frequency for activity in sequential order, starting from the current frequency. In Frequency (VFO) mode, the radio will scan by the frequency step. This can be configured using the STEP menu option (page 60).

Pressing the [UP] / [DOWN] keys while scanning will change the direction of the scan from low to high ([UP]) or high to low ([DOWN]). Press any other key to stop the scan. Refer to the Scan Mode menu item (page 74) for more information on the types of scans available.

The scan function can also be assigned to the programmable PF1, PF2 or TOP buttons from the menu (pp. 79-82).

Scan Groups

The KG-Q10G is equipped with the ability to create scan groups. This is a handy tool for power users, particularly those managing a large number of channels or who operate in various regions. Scan Groups allow more selective scanning.

Operation

To add a channel to a Scan Group it must first be added to the scan list with the [SCAN-ADD] option in the Area Menu (page 67).

Your KG-Q10G is configured to scan all channel groups by default, however it can be configured to scan any specific group of channels you desire using the [SCAN-GROUP] option in the Area Menu (page 68).

The KG-Q10G supports 10 scan groups. Channel ranges for these groups can be defined via the PC programming software.

Scanning CTCSS / DCS Codes

The KG-Q10G is equipped with the ability to scan an incoming signal for a CTCSS tone or DCS code and update the current channel's tone or code settings once the tone or code is identified.

To activate CTCSS /DCS scan, press the [MENU] key and navigate to the TONE-SCAN menu item. Choose CTCSS or DCS and press [MENU] when a signal is

received to activate the scan. Keep this menu item open to scan.

The scan will begin when a signal is received. The scan will stop when the signal ends and resume from where it left off the next time the signal is received, until it identifies the correct tone. Use the [UP]/[DOWN] arrow keys to scan in a different direction. See the TONE-SCAN menu item (page 67) for more information.

The TONE-SCAN feature saves the tone to the channel when you press MENU after a tone has been detected. When saving the tone, TONE-SCAN looks at the TONE-SAVE option in the System Menu (page 76) to determine if the detected tone is to be saved as the TX tone, RX tone, or both.

NOAA Weather Mode

NOAA Weather Mode allows you to quickly access weather information from a local NOAA broadcast station.

To activate NOAA Weather Mode, press the WX button on the front of the radio. The display will change to show a NOAA broadcast station frequency starting with 162 MHz and a rain cloud icon will appear above it to indicate the radio is in Weather

Operation

Mode. Use the Channel/Frequency Knob or the arrow keys to navigate to your preferred NOAA station. Your most recently selected station will be remembered each time you enter this mode. NOAA weather mode can also be assigned to the [PF1], [PF2] or [TOP] key (pp 79-82).

A list of supported NOAA frequencies is included in the Technical Information chapter of this manual (page 130).

To exit Weather Mode, press the WX key or the PF key assigned to the WEATHER function. The radio will return to the last channel or frequency accessed.

To locate the NOAA station closest to your location, visit the following site:

https://www.weather.gov/nwr/station_listing

Note

- Weather Mode is accessible on Area A only.
- While in Weather Mode the menu is not accessible on Area A.

Weather Alert

The KG-Q10G features a Weather Alert option (page 72). When Weather Alert mode is active and the radio is in standby mode, the KG-Q10G will monitor the currently selected weather channel for an alert tone (1050Hz) that indicates a weather warning or alert has been issued.

When a weather alert has been detected, the KG-Q10G will produce an alert according to the option chosen in the WX-NOTIFY menu function (page 73). For all WX-NOTIFY alert options other than WEATHER, pressing any key will acknowledge and end the alert.

The five alert options are listed in the following chart.

Alert Option	Alert Description
WEATHER	Displays weather icon and radio instantly tunes to Weather Mode. Hold the AREA key for 2 seconds to exit.
ICON-ONLY	Displays weather alert icon and radio remains on regular channel.

Operation

Alert Option	Alert Description
TONE	Displays weather icon and emits an alert beep every 60 seconds.
FLASH	Displays weather icon and flashlight LED pulses 5 times every 60 seconds.
TONE+FLSH	Displays icon, emits alert and the flashlight LED pulses every 60 seconds.

Key Lock

The keys on the KG-Q10G can be locked to prevent them from being accidentally pressed. When the Key Lock is enabled, all buttons except the [#] and both PTT keys will be disabled.

To activate the Key Lock, press and hold the [#] key for two seconds. The key icon will appear at the top of the display. The buttons are now disabled.

To disable the Key Lock, press and hold the [#] key for two seconds. The key icon will disappear from the top of the display. The buttons should now be enabled.

The KG-Q10G also has an AutoLock feature. When activated, it will automatically lock the keypad after a specified period of time. The [AUTOLOCK] option is located in the System Menu (page 84).

Keypad Hotkeys

The keypad features hotkeys for faster access to the first nine options in the Area Menu. When the radio is in Area MENU mode, press the desired hotkey to go directly to that option and press the UP / DOWN arrow keys to choose the desired setting. Press [MENU] to confirm, then press [EXIT] to save the setting and exit the menu.

Key	Hotkey	Function/Menu Item
1	SQL	Squelch menu function (page 59)
2	PWR	Transmit Power menu function (page 60)
3	W/N	Bandwidth menu function (page 60)
4	STEP	Frequency Step menu function (page 60)
5	R-CTC	Receive CTCSS Tone menu function (page 61)

Operation

Key	Hotkey	Function/Menu Item
6	T-CTC	Transmit CTCSS Tone menu function (page 61)
7	R-DCS	Receive DCS Tone menu function (page 61)
8	T-DCS	Transmit DCS Tone menu function (page 62)
9	RPT	Repeater menu function (page 62)

Keypad Function Keys

The keypad includes 9 function keys to perform specific operations on the radio, from accessing and navigating the menu to the control of various functions. The chart below lists the keys and what they do.

Key	Function
AREA	Short Press: Switches primary and secondary areas (page 30) Long Press: Switches band in Frequency Mode (page 31)
TDR MODE	Short Press: Switch single and dual display (page 30) Long Press: Switches Channel/Frequency Modes (page 31)

Key	Function
WX	Short Press: Weather Mode (page 43) Long Press: Talkaround (page 53)
*SCAN	Short Press: Reverse Frequency (page 52) Long Press: Channel/Frequency Scan (page 38)
#LOCK	Press 2 seconds to lock/unlock keypad (page 46)
MENU	Short Press: Enter Area menu, select options and save selection Long Press: Enter System menu
EXIT	Exit the menu or cancel a function
UP	Goes to the next channel, frequency or menu item
DOWN	Goes to the previous channel, frequency or menu item

Programmable PTT Keys

The KG-Q10G features two push-to-talk (PTT) buttons designated [PTT1] and [PTT2]. PTT1 is the lower and primary PTT by default. PTT2 is the upper PTT. These buttons can be configured to perform specific transmit operations from the Sys-

Operation

tem Menu (page 79). They can also be assigned via the programming software.

Default Key	Function	Description
	AREA-A	Transmits only on Area A
	AREA-B	Transmits only on Area B
PTT1	MAIN	Transmits on the active area
PTT2	SECONDARY	Transmits on the non-active area
	LOW-PWR	Transmits on the active area at low power
	XHIGH-PWR	Transmits on the active area at ultra high power
	CALL	Transmits the Call Group tone assigned to the active area channel (page 67)

Programmable Function Keys

The KG-Q10G has two programmable keys called [PF1] and [PF2] located on the left side of the radio below the PTT keys. It also has a programmable [TOP] key. Each key can perform two different functions, one activated with a short press and one with a

long press. These functions can be assigned to the [PF1], [PF2] and [TOP] keys from the menu (pp. 79-82). They can also be assigned via the programming software.

Default Key	Function	Description
	DISABLE	Disable the Function Key press
	ALARM	Transmit alarm (page 54)
	BACKLIGHT	Activate backlight (page 54)
	BRIGHT+	Increases brightness by 1
PF2 Short	FAVORITE	Favorite Channels (p 55)
TOP Short	FLASHLIGHT	Activate flashlight (page 55)
PF1 Long	FM-RADIO	Activate FM Radio (page 56)
TOP Long	LOC-MAP	Display GPS Location Map (page 109)
PF2 Long	MONITOR	Monitor channel (page 54)
	REVERSE	Activate reverse frequency (page 52)
PF1 Short	SCAN	Scan function (page 38)

Operation

Default Key	Function	Description
	SCAN-CTC	Activate CTCSS tone scan (page 42)
	SCAN-DCS	Activate DCS tone scan (page 42)
	SOS	Transmit SOS (page 53)
	STROBE	Activate flashing strobe light (p 55)
	TALKAROUND	Activate talkaround (page 53)
	WEATHER	Activate Weather Mode (page 43)
	FM/AM	Switch FM and AM Modes (page 56)
	CH-WIZARD	Activate Channel Wizard (page 97)

Reverse Frequency

When Reverse Frequency is activated, the transmit and receive frequencies of the active channel are exchanged or reversed, allowing the radio to transmit on the receive frequency and receive on the transmit frequency. This feature is useful for checking if you are within simplex range of other units before activating Talk Around.

Press the [*SCAN] key on the active channel to activate or deactivate this feature. When activated, an “R” icon will appear above the channel name, frequency or number. The Reverse Frequency function can also be assigned to the [PF1], [PF2] or [TOP] buttons from the System Menu (pp. 79-82). Available in Channel Modes only.

Talk Around

The Talk Around function allows the radio to transmit and receive on the output frequency of a repeater, essentially letting you bypass the repeater. This feature is useful when the repeater is nearly out of range, is not operational, or if you are in range of other stations and would prefer to contact them via simplex. Long press the [WX] key on the active channel to activate or deactivate this feature. The Talk Around function can also be assigned to the [PF1], [PF2] or [TOP] buttons from the System Menu (pp. 79-82).

SOS

The radio can transmit an SOS alarm to other stations on the same channel. When SOS is activated, the radio will emit an oscillating alarm. After 5 seconds, the radio will

Operation

transmit the alarm to other radios on the same channel. To activate the SOS function, it must first be assigned to the [PF1], [PF2] or [TOP] key (pp. 79-82).

Alarm

The radio features an alarm function with a Call ID code. When activated, the radio will emit an oscillating alarm and transmit a Call ID code plus the numbers “110” on the active channel for 5 seconds, after which the alarm will repeat. Press any key to deactivate the alarm. To activate the alarm function, it must first be assigned to the [PF1], [PF2] or [TOP] key (pp. 79-82).

Monitor

The MONITOR function opens squelch on the current channel or frequency. This is useful when listening for weak transmissions. To use the MONITOR function, it must first be assigned to the [PF1], [PF2] or [TOP] key (pp. 79-82).

Display Backlight

The KG-Q10G allows you to activate the backlight for the display using a programma-

ble key. When activated, the backlight will remain on for the duration of the time set in the BACKLIGHT menu option (page 72). It can be assigned to the [PF1], [PF2] or [TOP] key using the System Menu (pp. 79-82).

Flashlight/Strobe

The KG-Q10G has a built-in LED flashlight at the top of the radio. It can operate in two modes. [FLASHLIGHT] provides steady illumination. [STROBE] functions as a flashing strobe light. To access one or both of these features, they must first be assigned to the [PF1], [PF2] or [TOP] key using the System Menu (pp. 79-82).

Favorite Channels

The KG-Q10G allows you to access specific channels marked as favorite channels. When assigned to a programmable key, pressing that key will change channels to the next highest channel marked as Favorite. Pressing the key again will go to the next favorite channel on the list. When the highest channel is reached, the radio will cycle back to the first favorite channel on the list. If no channels are marked as favorites, pressing the key will produce an error beep.

Operation

The current channel can be activated or deactivated as a Favorite Channel by using the CH-FAV menu option (page 64). This function does not work in Frequency Mode.

The Favorite Channels function can be assigned to the [PF1], [PF2] or [TOP] key using the System Menu (pp. 79-82).

FM/AM Mode

The KG-Q10G can receive incoming transmissions in either FM or AM modulation mode. This setting is specific to each channel and is only available on Area A. Note: AM Mode is not available on all bands. The radio cannot transmit on AM, only receive.

The FM/AM function can be assigned to the [PF1], [PF2] or [TOP] key using the System Menu (pp. 79-82).

FM Radio

The KG-Q10G features a commercial broadcast FM Radio. To access the FM Radio, it

must first be assigned to the [PF1], [PF2] or [TOP] key (pp. 79-82). When active, the current FM radio frequency will appear near the top of the display above Area A. To find an active broadcast station, press [*SCAN] to begin the FM Radio scanning function. Press any key to stop the scan.

To enter a specific radio frequency directly, press the [WX] key while the FM radio is on.

To store an FM radio station in memory, locate the desired station, long press [MENU], go to FM-RADIO and press [MENU] to activate the radio storage function. Press the [UP] and [DOWN] keys to choose MEMORY. Use the channel knob or the [UP] and [DOWN] keys to select a memory channel, then press [MENU] to confirm.

To Recall a station, long press [MENU] to activate the radio storage function. Press the [UP] and [DOWN] keys to choose RECALL. Use the channel knob or the [UP] and [DOWN] keys to select a memory channel to recall, then press [MENU] to confirm.

Up to 20 FM radios stations can be stored on the radio using the [FM-RADIO] menu

option (page 90).

Stopwatch Timer

The KG-Q10G has a built-in stopwatch timer. It can be enabled using the TIMER menu option (page 88). Once enabled, Press [#] on the radio to activate the timer. Press any key to stop the timer. When stopped, press any key to deactivate the timer and return to standby mode.

When the timer is activated, it will appear on the display in place of the current channel information. The menu is not accessible while the timer is active.

Using the Area Menu

The Wouxun KG-Q10G has two menus to access its primary features and functions. The Area Menu includes menu options and settings that are only applied directly to or otherwise affect the functionality of each individual channel when in Channel Mode or the selected frequency when in VFO Mode. It is accessed with a short press of the [MENU] key. This menu includes such settings as CTCSS/DCS tones, squelch, and bandwidth.

[01: SQUELCH] Squelch

Function: The squelch function mutes the speaker when no signal is detected. Adjusting the squelch sensitivity allows you to control how strong of a signal is required in order to unmute the speaker. Selecting a lower number will allow weaker signals to be heard, higher numbers require a stronger signal. Selecting [0] will unmute the speaker at all times.

Options: 0-9

Default: 5

Area Menu Functions

[02: TX-POWER] Output Power

Function: Sets the transmit power of the radio. The radio has four power options: Low, Mid, High and UltraHigh. Wattage is different for each band and is approximate. Refer to the Technical Specifications chapter (page 123) for details.

Options: HIGH/MID/LOW/UltraHigh

Default: (Varies by channel)

[03: W/N] Bandwidth

Function: Sets the bandwidth for the current channel when in Channel Mode or the current frequency when in VFO Mode.

Options: WIDE/NARROW

Default: (Varies by channel or frequency)

[04: STEP] Frequency Step

Function: Allows you to adjust the steps between frequencies. Available only in Frequency mode.

Options: 2.5K/5K/6.25K/8.33K/10K/12.5K/20K/25K/50K/100K

Default: 5K

[05: RX-CTCSS] Receive CTCSS Tone

Function: Sets the receiving CTCSS tone for the selected channel. Use the arrow keys to select your preferred code or the [*] key to choose OFF and then MENU to confirm.

Options: OFF/50 CTCSS Tones

Default: OFF

[06: TX-CTCSS] Transmit CTCSS Tone

Function: Sets the transmitting CTCSS tone for the selected channel. Use the arrow keys to select your preferred code or the [*] key to choose OFF and then MENU to confirm.

Options: OFF/50 CTCSS Tones

Default: OFF

[07: RX-DCS] Receive DCS Code

Function: Sets the receiving DCS code for the selected channel. Short press the [#] key

Area Menu Functions

to choose DCS+ (N) or DCS- (I) codes. Use the arrow keys to select your preferred code or the [*] key to choose OFF and then MENU to confirm.

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[08: TX-DCS] Transmit DCS Code

Function: Sets the transmitting DCS code for the selected channel. Short press the [#] key to choose DCS+ (N) or DCS- (I) codes. Use the arrow keys to select your preferred code or the [*] key to choose OFF and then MENU to confirm.

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[09: REPEATER] Repeater

Function: Sets the offset frequency for a repeater channel. When this option is activated the KG-Q10G will transmit to the repeater input frequency when the radio is tuned to a frequency that has a valid GMRS repeater offset. This option is only available in frequency mode and will be ignored on frequencies that do

not have a GMRS repeater offset. The offset is fixed to 5.000 MHz.

Options: OFF/ON

Default: OFF

[10: CH-NAME] Channel Name

Function: Allows you to edit the name for the currently active channel. To edit a channel name, press [MENU] and choose the CH-NAME option. the name of the current channel will be in edit mode and the first character will flash to indicate it is currently being edited. Press the [UP] and [DOWN] keys to select the desired character, then press the [PF1] key to move to the next position. Press the [PF2] key to move back to the previous position. When you finish editing the name, press [MENU] to save. Pressing the [*] key will toggle between upper case, lower case, numeral, punctuation/symbols or space characters in the list, beginning with A, a, 0, ?, [space]. Pressing the [#] key will clear the entire name field. This option is only available in Channel Mode.

Options: 8 Characters

Default: None

Area Menu Functions

[11: CH-FAV] Favorite Channel

Function: Select if the current channel should be marked as a favorite. Favorite channels can be activated quickly by using the FAVORITE function. This feature can be assigned to the [PF1], [PF2] or TOP] key. The FAVORITE function does not work in Frequency Mode.

Options: ON/OFF

Default: OFF

[12: CH-ADD] Add Memory Channel

Function: Adds a channel to the memory channel list. Refer to the section Adding and Removing Channels (page 93) for details.

Options: None

Default: Current channel

[13: CH-DELETE] Delete Memory Channel

Function: Deletes a channel from the memory channel list. Refer to the sub-section How to Delete a Channel (page 96) for details.

Options: None

Default: Current channel

[14: BUSY-LOCK] Busy Channel Lockout

Function: Enabling Busy Channel Lockout prevents the transceiver from transmitting on a selected channel while another station or group is transmitting on it.

Options: ON/OFF

Default: OFF

[15: MUTE-MODE] Speaker Mute

Function: Selects the method to filter transmissions received on the current channel.

Options: QT/QT+DTMF/QT*DTMF

Default: QT

QT: Only those signals with a CTCSS tone or DCS code matching the selected channel will be heard through the speaker.

QT+DTMF: Transmissions will be filtered by both CTCSS/DCS tones AND a DTMF tone of the current radio ID (followed by a # sign).

QT*DTMF: Transmissions will be filtered by either CTCSS/DCS tones OR a DTMF

Area Menu Functions

tone of the current radio ID (followed by a # sign).

[16: DESCRAMBL] Descrambler

Function: Activating this function will descramble incoming signals that are scrambled using one of 8 supported protocols.

Options: OFF/SCRAM 1-8

Default: OFF

[17: COMPAND] Compander

Function: The compander minimizes noise. Useful when transmitting over long distances.

Options: ON/OFF

Default: OFF

[18: SEND-LOC] Send Location

Function: Transmits the GPS location of the radio when enabled. Useful for geolocation of users in your group equipped with GPS capable Wouxun Q Series radios. See page 105 for more about how to use location features.

Options: ON/OFF

Default: OFF

[19: CALL-GROUP] Select Call Group

Function: Function: Sets Selective Group Call tones. Selective Call tones are 3 to 6 digits. Call tones can be set up through the programming software.

Options: 1-99 Groups

Default: 1

[20: SCAN-ADD] Scan Add / Delete

Function: Add or remove a channel to/from the list of channels to scan. ON indicates the channel is in the scan list.

Options: ON/OFF

Default: ON

[21: TONE-SCAN] CTCSS/DCS Scanning

Function: Scans the incoming signal for CTCSS or DCS tones to identify or confirm

Area Menu Functions

the correct tone. This function must be activated while receiving a signal.

Options: Choose CTCSS or DCS and press [MENU] to activate the scan.

Note: The scan will stop when the signal ends and resume from where it left off the next time the signal is received, until it identifies the correct tone. Use the [UP]/[DOWN] arrow keys to scan in a different direction. See page 42 for more information.

[22: SCAN-GROUP] Scan Group

Function: Allows selection of a specific channel group for scan, or all groups. When a group number is selected, only channels in that group will be scanned when the Scan feature is activated. Groups can be defined in the programming software.

Options: ALL/1-10

Default: ALL

[23: VFO-SCAN] Frequency Mode Scan Options

Function: Defines what frequencies are scanned when scan mode is activated while in Frequency (VFO) Mode.

Options: CUR-BAND/RANGE/ALL

Default: CUR-BAND

CUR-BAND: Only scans the current frequency band.

RANGE: Scans a frequency range that can be configured in the programming software.

ALL: Scans all frequencies in all bands sequentially.

[24: WORK-MODE] Work Mode

Function: Changes the working mode of the radio. This function can be assigned to the [PF1], [PF2] or [TOP] programmable keys on the radio.

Options: CH-NAME/CH-NUMBER/CH-FREQ/VFO (FREQ)

Default: CH-NAME

CH-NAME: Channel Mode. Displays the channel name (Example: GMRS-01)

CH-FREQ: Channel Mode. Displays the channel frequency (Example: 462.56250)

CH-NUM: Channel Mode. Displays the channel number (Example: CH-001)

VFO (FREQ): Frequency Mode. Allows directly tuning any frequency in the wide receive range of the KG-Q10G. The radio transmits on GMRS frequencies only.

Area Menu Functions

[25: CH-WIZARD] Channel Wizard

Function: The Channel Wizard is a quick and convenient way to add a new channel to the radio. This menu option activates the Add Channel Wizard feature. Refer to the Channel Wizard section for details (page 97).

Options: NONE

Default: NONE

[26: AM-MODE] AM Modulation Mode

Function: Sets the modulation mode of the radio. The radio can receive on AM or FM. This setting is specific to each channel and is only available on Area A. Note: AM Mode is not available on all bands.

Options: OFF/AM Rx

Default: OFF

Using the System Menu

The System Menu contains the menu settings that manage or affect the operation of the radio. These including options for configuring power management, display preferences, and other system-level functions. It is accessed with a long, 3 second press of the [MENU] key.

[01: BRT-ACTIVE] Active Brightness

Function: Sets the brightness of the LCD display backlight while the radio is transmitting, receiving, or otherwise active. There are 10 brightness levels from lowest (1) to highest (10).

Options: 1-10

Default: 4

[02: BRT-STANDBY] Standby Brightness

Function: Sets the brightness of the LCD display backlight while the radio is in standby. There are 10 brightness levels from lowest (1) to highest (10). The backlight can also be turned off.

System Menu Functions

Options: OFF/1-10

Default: 2

[03: BACKLIGHT] Backlight Timeout

Function: Sets the amount of time that the display will remain active before entering standby. The timer can be set from 1-30 seconds in one second increments. It can also be set to turn off immediately or always remain on.

Options: ALWAYS OFF/1-20S/ALWAYS ON

Default: 10 Seconds

[04: BATT-SAVER] Battery Saver

Function: Activate the battery saver feature. When active, the radio will scan less frequently for signals, improving battery life.

Options: ON/OFF

Default: ON

[05: WX-ALERT] Weather Alert

Function: Enables and disables the weather alert. Sets the alert for the currently active

NOAA weather channel.

Options: ON/OFF

Default: OFF

[06: WX-NOTIFY] Weather Alert Notification Setting

Function: Sets type of notification for the alert when a NOAA weather alert signal is received.

Options: WEATHER/ICON-ONLY/TONE/FLASH/TONE+FLASH

Default: WEATHER

ICON-ONLY: Displays weather alert icon and radio remains on regular channel.

TONE: Displays weather icon and emits an alert beep every 60 seconds.

FLASH: Displays weather icon and flashlight LED pulses 5 times every 60 seconds.

TONE+FLSH: Displays icon, emits alert and flashlight LED pulses.

WEATHER: Displays weather icon and radio instantly tunes to Weather Mode.

[07: THEME] Display Theme

Function: Sets the theme of the LCD display to one of 14 display themes. Colors for the four custom themes can be defined in the programming software.

System Menu Functions

Options: WHITE-1/WHITE-2/BLACK-1/BLACK-2/COOL/RAIN/NotARubi/
SKY/BTWR/CANDY/CUSTOM-1/CUSTOM-2/CUSTOM-3/CUS-
TOM-4

Default: BLACK-2

[08: SCAN-MODE] Scan Mode

Function: Scan mode settings

Options: TO/CO/SE

Default: TO

TO: When a signal is detected, scanning stops. Scan will pause to wait for further activity and will then resume if no operation is carried out within 5 seconds. Pressing PTT will transmit on the currently selected channel.

CO: When a signal is detected, scanning stops and resumes immediately after the signal is lost. Pressing PTT will transmit on the currently selected channel.

SE: When a signal is detected, scanning stops. Pressing PTT will transmit on the channel where the signal was detected.

[09: SC-TONE-DET] Tone Scanning Detection

Function: Determines if the incoming transmissions are filtered by CTCSS/DCS tones during scan mode.

Options: ON/OFF

Default: OFF

[10: PRI-SCAN] Priority Scan

Function: Allows you to turn the priority channel scan on or off. When enabled, the radio will scan the priority channel every 3 seconds for activity. Read the “Priority Channel Scan” section on page 39 to learn more.

Options: OFF /ON-STANDBY/ON-ALWAYS

Default: OFF

OFF: Disabled

ON-STANDBY: Disables Priority Scan during receive

ON-ALWAYS: Enabled

[11: PRI-CH] Priority Channel

Function: Selects the priority channel. This is used during scanning when the Priority Scan (menu option 10) feature is enabled. To select a priority channel, use the

System Menu Functions

[UP] and [DOWN] keys to select a channel number.

Options: 999 channels

Default: CH-001

[12: TONE-SAVE] CTCSS/DCS Tone Save Options

Function: This item determines how a CTCSS or DCS tone is saved to a channel after a CTCSS/DCS scan.

Options: BOTH/RX/TX

Default: TX.

RX: Saves the scanned tone to the RX-CTCSS/DCS setting

TX: Saves the scanned tone to the TX-CTCSS/DCS setting

RX+TX: Saves the scanned tone to both

[13: ROGER] Roger Beep

Function: Enables an audible roger beep prompt during transmission.

Options: OFF/BOT/EOT/BOTH

Default: OFF

BOT: Sets the roger beep prompt at the beginning of transmission

EOT: Sets the roger beep at the end of transmission

BOTH: Sets the roger beep at the beginning and end of transmission

[14: TOT] Transmit Overtime Timer

Function: When the transmission time exceeds the time set by the Transmit Overtime Timer, the unit will emit an error prompt and stop transmitting.

Options: OFF/15-900 seconds (15 second increments)

Default: 60 seconds

[15: TOA] Transmit Overtime Alarm

Function: The Transmit Overtime Alarm warns when the Transmit Overtime Timer (TOT) is about to be exceeded. The red TX indicator LED (top of the radio) flashes to indicate an alarm. The alarm can be set to a maximum time limit of 10 seconds and indicates the amount of time prior to the Transmit Overtime Timer expiring that the warning will begin.

Options: OFF/1S-10S

Default: 5S

System Menu Functions

[16: VOX] Voice Activated Transmit

Function: The VOX function allows you to transmit without pressing the PTT key. The VOX function will detect that you are speaking into the microphone and then automatically begin transmitting. VOX gain levels of 1-9 are provided to allow you to adjust the voice detection sensitivity.

Options: OFF/1-10 (level)

Default: OFF

[17: VOICE] Voice Guide

Function: Enable or disable voice prompts.

Options: OFF/ON

Default: ON

[18: BEEP] Button Beeps

Function: Enables an audio prompt to alert the operator of a key press, input or fault.

Selectable: ON/OFF

Default: ON

[19: PTT1-DEF] Push-To-Talk 1 Key Assignment

Function: Assigns a function to a press of the [PTT1] key. This is the lower PTT located on the left side of the radio. Refer to PTT Key Options on page 49 for more information about each option.

Options: AREA-A/AREA-B/MAIN/SECONDARY/LOW-PWR/XHIGH-PWR/
CALL

Default: MAIN

[20: PTT2-DEF] Push-To-Talk 2 Key Assignment

Function: Assigns a function to a press of the [PTT2] key. This is the upper PTT located on the left side of the radio. Refer to PTT Key Options on page 49 for more information about each option.

Options: AREA-A/AREA-B/MAIN/SECONDARY/LOW-PWR/XHIGH-PWR/
CALL

Default: SECONDARY

[21: PF1-SHRT] Side Key PF1 Short Press Assignment

System Menu Functions

Function: Assigns a function to a short press of the [PF1] side key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALKAROUND/WEATHER/FM-AM/CH-WIZARD

Default: SCAN

[22: PF1-LONG] Side Key PF1 Long Press Assignment

Function: Assigns a function to a long press of the [PF1] side key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALKAROUND/WEATHER/FM-AM/CH-WIZARD

Default: FM-RADIO

[23: PF2-SHRT] Side Key PF2 Short Press Assignment

Function: Assigns a function to a short press of the [PF2] side key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALKAROUND/WEATHER/FM-AM/CH-WIZARD

Default: WEATHER

[24: PF2-LONG] Side Key PF2 Long Press Assignment

Function: Assigns a function to a long press of the [PF2] side key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALKAROUND/WEATHER/FM-AM/CH-WIZARD

Default: MONITOR

[25: TOP-SHRT] Top Key Short Press Assignment

System Menu Functions

Function: Assigns a function to a short press of the [TOP] key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALKAROUND/WEATHER/FM-AM/CH-WIZARD

Default: BRIGHT+

[26: TOP-LONG] Top Key Long Press Assignment

Function: Assigns a function to a long press of the [TOP] key. Refer to PF Key Options on page 50 for more information about each option.

Options: DISABLE/ALARM/BACKLIGHT/BRIGHT+/FAVORITE/FLASH-LIGHT/FM-RADIO/LOC-MAP/MONITOR/REVERSE/SCAN/SCAN-CTC/SCAN-DCS/SOS/STROBE/TALK-AROUND/WEATHER/FM-AM/CH-WIZARD

Default: LOC-MAP

[27: STARTUP] Power On Message

Function: Select the item displayed when the radio is powered on.

Options: LOGO/VOLTAGE

Default: LOGO

LOGO: Wouxun logo

VOLTAGE: Battery voltage

[28: TOP-MSG] Custom Top Message

Function: Allows you to customize the message in the top banner of the display. To edit the message, long press [MENU] and choose the TOP-MSG option. the current message will be in edit mode and the first character will flash to indicate it is currently being edited. Press the [UP] and [DOWN] keys to select the desired character, then press the [PF1] key to move to the next position. Press the [PF2] key to move back to the previous position. Pressing the [#] key will clear the entire message field. When you finish editing the message, press [MENU] to save.

Options: 8 Characters

Default: None

System Menu Functions

[29: AREA-MSG] Custom Area Message

Function: Allows you to customize the message in the Secondary area of the display when the single area display option is chosen. To edit the message, long press [MENU] and choose the AREA-MSG option. the current message will be in edit mode and the first character will flash to indicate it is currently being edited. Press the [UP] and [DOWN] keys to select the desired character, then press the [PF1] key to move to the next position. Press the [PF2] key to move back to the previous position. Pressing the [#] key will clear the entire message field. When you finish editing the message, press [MENU] to save.

Options: 8 Characters

Default: None

[30: AUTOLOCK] Auto Lock

Function: Automatically locks the keypad after 18 seconds.

Options: OFF/ON

Default: OFF

Note: To unlock the radio, hold the [#] key for 2 seconds.

[31: SIDETONE] Sidetone Setting

Function: Determines when DTMF tones transmitted by the radio are heard from the speaker. It can be configured if you want to hear all tones, only tones transmitted for a radio ID, or only tones other than those transmitted for a radio ID. Regardless of the setting, tones are still transmitted over the air and will be heard by other radios.

Options: OFF/DTMF/ID/DTMF+ID

Default: OFF

DTMF: Only non-radio ID tones will be heard through the speaker.

ID: Only radio ID tones will be heard through the speaker. Tones entered manually from the keypad will not be heard.

DTMF+ID: All tones transmitted will be heard from the speaker.

[32: RADIO-ID] Edit Radio ID

Function: Sets the numeric radio ID that is sent during transmissions if the PTT-ID menu option is enabled. This ID must be a number and contain at least 3 digits and no more than 6 digits. The first digit cannot be 0. The default is

System Menu Functions

101.

Options: 0-9

Default: 101

[33: PTT-ID] Radio ID Setting

Function: Determines if the radio will send its Radio ID during transmit, and at what point it will be sent.

Options: OFF/BOT/EOT/BOTH

Default: OFF

BOT: Radio ID will be sent at the beginning of the transmission.

EOT: Radio ID will be sent at the end of the transmission.

BOTH: Radio ID will be sent at both the beginning and end of transmission.

[34: ID-DELAY] ID-Delay

Function: Determines the amount of time in milliseconds to wait before sending the PTT-ID. This only applies to the ID that is sent at the beginning of the transmission. It is ignored when PTT-ID is set to EOT (end of transmission).

Options: 100~3000ms

Default: 1300ms

[35: RING] Ring Time

Function: Sets the amount of time a ring alert is emitted after receiving a DTMF tone that matches the radio ID. This is used when the MUTE-MODE setting is QT+DTMF or QT*DTMF.

Selectable: OFF/1S-10S (seconds)

Default: 5S

[36: ALERT] Tone Alert

Function: Allows selection of the specific hertz of the tone burst. Some relay systems used for single-tone pulse transmissions need a single-tone pulse signal to activate.

Options: 1750Hz/2100Hz/1000Hz/1450Hz

Default: 1750Hz

Special Reminder: When in transmit mode, you can send the single-tone pulse frequency you've selected by pressing the [PF2] key on the side of the radio.

System Menu Functions

[37: TIMER] Stopwatch Timer

Function: Activates the timer feature. If ON, activate the timer by short pressing [#] in standby mode.

Options: ON/OFF

Default: OFF

[38: SMUTESET] Secondary Area Mute Setting

Function: The Secondary Mute function mutes the speaker on the secondary area when the primary area is used. This prevents conflicting audio sounds and noise from both sides simultaneously when the radio is in dual receive mode.

Options: OFF/ RX/TX/ RX+TX

Default: OFF

TX: Mutes the speaker on the Secondary area when transmitting on the Primary area.

RX: Mutes the speaker on the Secondary area when receiving on the Primary area.

TX+RX: Mutes the speaker on the Secondary area when transmitting or receiving on the Primary area.

[39: BATT-TYPE] Battery Level Display Type

Function: Select the type of indicator that is shown in the battery level area of the display. Icon displays a battery icon, filled to a level that is roughly indicative of the remaining battery charge. Voltage displays the current battery voltage. Percent displays the percentage of battery life that remains.

Options: ICON/VOLTAGE/PERCENT

Default: ICON

[40: RPT-TONE] Squelch Tone

Function: Enables or disables the squelch tail sent to the receiving radio at the end of a transmission.

Options: OFF/ON

Default: ON

[41: TIME] Time Display

Function: Activates the clock feature. If ON, the current time in 24 hour format appears in the upper right corner of the display. The time is received from GPS and will only display when GPS is enabled.

Options: ON/OFF

System Menu Functions

Default: OFF

[42 TIME-ZONE] Set Time Zone

Function: Sets the Greenwich Mean Time (GMT) time zone in one hour increments.

Options: GMT/GMT+12 to GMT-12

Default: GMT

[43: FM-RADIO] FM Radio

Function: Save and recall up to 20 FM radio stations to and from memory. Refer to page 56 for more about the FM radio. Accessible only in FM Radio Mode.

Options: RECALL/MEMORY

Default: RECALL

[44: LOCATION] GPS Location Setting

Function: Enables, configures and disables GPS geo-location tracking between two or more radios that support this feature. Requires Wouxun Q Series radios for this feature to function. Accessing this menu option takes you to a sub-menu with options to activate and configure the following GPS functions. See page

105 for more about using the location features of the KG-Q10G.

GPS Location Sub-Menu

Function: Enables and disables the GPS Location function.

Options: OFF/ON

Default: OFF

SEND-FREQ:

Function: Sets the method or interval with which to send the GPS location data. You can choose to send the data in intervals between every 1 to 10 minutes, in one minute increments. You can also choose to use the PTT to send the location data manually.

Options: OFF/PTT SEND/1-10 MIN

Default: OFF

GPS-RECEIVE:

Function: Enables and disables the receiving GPS location data.

System Menu Functions

Options: OFF/ON

Default: OFF

DISPLAY-MAP:

Function: Displays the GPS locator Map on the screen with location co-ordinates.

Options: None

[45: RESET] Factory Reset

Function: Resets the transceiver to factory defaults.

Options: VFO/ALL

Default: VFO

VFO: Resets function settings to factory defaults but retains channel parameters.

ALL: Resets all of the function settings and channel parameters to factory defaults.

Adding and Removing Channels

The KG-Q10G allows you to add and delete channels directly from the keypad of the radio using the CH-ADD and CH-DELETE options in the menu. New channels can be created in Frequency mode or cloned from existing channels in Channel mode.

How to Clone an Existing Channel

When creating a new channel, it is often easier to start by cloning an existing channel. This is particularly true with repeater channels. To clone an existing channel:

1. Be sure that your radio is in Channel mode by using the WORK-MODE menu option (page 69).
2. Tune to the channel that you would like to clone.
3. Press [MENU] + [1] + [2] to enter the CH-ADD function.
4. Turn the channel knob or press the [UP] and [DOWN] keys to select an available channel number, then press [MENU] to save it and return to standby mode. Channels

Advanced Operation

that are unassigned or available to program will be a different color from channels that are already assigned.

Channel name and channel scan settings will not be cloned. To modify settings for the cloned channel, select the channel and then use the menu settings to select the options you wish to change.

Tip

For faster navigation, use the [PF1] or [PF2] keys instead of the [UP] and [DOWN] keys to skip through the list of channels that are already in use or assigned. Press [PF1] key to instantly go to the next unassigned channel on the list. Press the [PF2] key go to the last unassigned channel on the list.

How to Add a Channel in Frequency Mode

New channels can also be created from scratch, including “Receive-Only” channels for frequencies supported by the KG-Q10G but outside of the frequencies allowed for GMRS use. To create a new channel:

1. Be sure that your radio is in Frequency mode by using the WORK-MODE menu option (page 69).
2. Tune to the desired channel by entering the receive frequency.
3. Update any settings that you would like applied to the channel by updating the area menu options.
4. Once the frequency is working as desired, save the new channel by pressing [MENU] + [1] + [2] to enter the CH-ADD function.
5. Turn the channel knob or press the [UP] and [DOWN] keys to select an available channel number, then press [MENU] to save it and return to standby mode. Channels that are available to program will be a different color from channels already assigned.

For example, to save a channel in Frequency mode with a 146.520 receive frequency and a 67.0 receive CTCSS tone:

1. While in Frequency mode, tune to the frequency 146.520 or type it into the radio from the keypad, press [MENU] + [5] to enter the Receive CTCSS setting, press [UP]

Advanced Operation

/ [DOWN] to select the 67.0 tone, and then press [MENU] to confirm.

2. Press [MENU] + [1] + [2] to enter the CH-ADD function, turn the channel knob or press the [UP] and [DOWN] keys to select an available channel, then press [MENU] to save it and return to standby mode.

Note

If a channel is unnamed and WORK-MODE is set to CH-NAME mode, the frequency will be displayed instead.

How to Delete a Channel

1. Select the CH-DELETE menu option by pressing [MENU] + [1] + [3], and then press [MENU] to confirm.

2. Turn the channel knob or press the [UP] and [DOWN] keys to select the desired channel number, then press [MENU] to delete it and return to standby mode. Channels that are available to program will be a different color from channels already assigned.

Channel Wizard

The KG-Q10G features the Channel Wizard, a new function that allows you to quickly and easily program a new channel or modify an existing channel direct from the keypad of the radio itself. With the Channel Wizard, you can add or clone new channels into the radio in mere seconds. You can also change the settings in any existing channel. The wizard lets you do all of this without scrolling through the menu to find and set each individual channel option, and without the need for programming software.

Using the Channel Wizard

When you enter the Channel Wizard, the data for the currently selected channel or frequency will be loaded. Whether the current channel is updated or a new channel is created will depend on the channel number selected in the wizard.

There are two ways to access the Channel Wizard. The first method is to assign it to one of the programmable keys (pp. 79-82). This will take you directly into it. The second method is to press [MENU] + [2] + [5] and the screen will display: CH-WIZARD (page 70). There are ten menu functions in the Channel Wizard, each with their own

Advanced Operation

sub-menu. Go to the first menu item and press [MENU] to enter its sub-menu. Use the [UP] and [DOWN] arrow keys to choose the option you want from that sub-menu, then press [MENU] to enter your choice. This will take you back to the Channel Wizard menu to go to the next or previous Channel Wizard menu function.

The last Channel Wizard menu function is [SAVE-MODE]. You must choose this function to save your channel settings and add, clone or save your channel to the radio. You can choose to save your channel and create another channel or save the channel and exit the Channel Wizard. See SAVE-MODE (page 104) for more information.

Channel Wizard Menu

The ten menu functions and their sub-menu options are listed as follows.

[01: TYPE] Channel Type

Function: Sets the type of channel you want to add, clone or modify. Press [MENU] to enter the Channel Type sub-menu, use the [UP] and [DOWN] arrow keys to choose your option, and [MENU] to enter your choice. There are three channel types from which to choose.

Options: REPEATER/RX-ONLY/SIMPLEX

Default: REPEATER

REPEATER: Sets up a repeater channel.

RX-ONLY: Sets up a receive-only channel.

SIMPLEX: Sets up a GMRS simplex channel.

[02: RX-FREQ] Receive Frequency

Function: Sets the receive frequency for the channel you want to add, clone or modify.

Press [MENU] to enter the Receive Frequency sub-menu. The process for selecting a frequency varies based on your choice for the TYPE option in step 1.

Options: Refer to the following parameters for each TYPE option.

SIMPLEX: Use the [UP] and [DOWN] arrow keys to scroll through the list of available GMRS simplex frequencies or enter the channel number 1-22 that corresponds with your desired frequency. Press [MENU] to set the frequency you want to choose.

REPEATER: Use the [UP] and [DOWN] arrow keys to scroll through the list of available GMRS repeater frequencies or enter the number 1-8 that corre-

Advanced Operation

sponds with your desired frequency. Press [MENU] to set the frequency you want to choose.

RX-ONLY: Enter your desired frequency directly, using the keypad. Alternatively, you can use the [UP] and [DOWN] arrow keys to scroll through all available frequencies. Press [MENU] to save your selected frequency.

Default: Frequency of the current channel

[03: TX-CTCSS] Transmit CTCSS Tone

Function: Sets the transmitting CTCSS tone for the new or selected channel. Press [MENU] to enter the TX-CTCSS sub-menu, use the [UP] and [DOWN] keys to select your preferred tone and then press [MENU] to choose it. Pressing the [*] key will clear the tone.

Options: OFF/50 CTCSS Tones

Default: OFF

[04: TX-DCS] Transmit DCS Code

Function: Sets the transmitting DCS code for the new or selected channel. Press [MENU] to enter the TX-DCS sub-menu, use the [UP] and [DOWN] keys

to select your preferred code and then press [MENU] to choose it. Pressing the [*] key will clear the code.

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[05: RX-CTCSS] Receive CTCSS Tone

Function: Sets the receiving CTCSS tone for the new or selected channel. Press [MENU] to enter the RX-CTCSS sub-menu, use the [UP] and [DOWN] keys to select your preferred tone and then press [MENU] to choose it. Pressing the [*] key will clear the tone.

Options: OFF/50 CTCSS Tones

Default: OFF

[06: RX-DCS] Receive DCS Code

Function: Sets the receiving DCS code for the new or selected channel. Press [MENU] to enter the RX-DCS sub-menu, use the [UP] and [DOWN] keys to select your preferred code and then press [MENU] to choose it. Pressing the [*] key will clear the code.

Advanced Operation

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[07: TX-POWER] Transmit Power Setting

Function: Sets the power level of channel you want to add, clone or modify. Press [MENU] to enter the TX-POWER sub-menu, use the [UP] and [DOWN] arrow keys to choose your option, and [MENU] to enter your choice. The radio has four power options: Low, Mid, High and UltraHigh. Low power is one half watt. Note, the transmit power for GMRS frequencies 467.5625-467.7125 (channels 8-14) are restricted by the FCC to 0.5 watts and can be used on low power only. The transmit power for GMRS frequencies 462.5625-462.7125 (channels 1-7) are limited to 5 watts and can be used on Low, Mid or High power only. The KG-Q10G will automatically adjust the power to the FCC limits.

Options: LOW/MID/HIGH/UltraHigh

Default: MID

[08: CH-NAME] Set Channel Name

Function: Allows you to enter or edit the name for the channel you want to add, clone or modify. Press [MENU] to enter the CH-NAME sub-menu. The name of the current channel will be in edit mode and the first character will flash to indicate it is currently being edited. Press the [UP] or [DOWN] key to select the desired character, then press the [PF1] key to move to the next position or the [PF2] key to move to the previous position. Pressing the [*] key will clear the channel name field. When you finish editing the name, press [MENU] to save it.

Options: 8 Characters

Default: None

[09: CH-NUM] Set Channel Number

Function: Sets the number of the channel you want to add, clone or modify. There are 999 memory channels from which to choose. Use the [UP] and [DOWN] keys to scroll through the list of channels or press [PF1] or [PF2] keys to skip the channels that are already in use or assigned. A channel number in purple indicates that channel number is already assigned to a channel. If the channel number is grey, it indicates the channel is available.

Advanced Operation

Options: 1-999

Default: Current active channel

[10: SAVE-MODE] Save Channel Settings Mode

Function: This function is the last step in the Add Channel Wizard. It saves the channel settings that have been entered during the previous nine steps in the Wizard.

Once you choose the desired option, the settings will be saved to the radio.

Options: SAVE END/SAVE NEW

Default: SAVE END

SAVE END: Saves the settings to the current or new channel and exits the Add Channel Wizard.

SAVE NEW: Saves the settings to the current or new channel and goes back to the first step in the Add Channel Wizard to change or create a new channel.

Note

TX-CTCSS, TX-DCS and TX-POWER options are unavailable in the Channel Wizard if the Channel Type chosen is RX-ONLY.

GPS / Location Function

The KG-Q10G has a location function that utilizes GPS technology. It allows you to send, receive and map geo-location data between two or more Q-Series radios.

The KG-Q10G has multiple menu options related to configuring the location functions.

The LOCATION sub-menu (System Menu page 90) contains GPS-related menu options that apply globally to all channels. Options include: enabling or disabling GPS (GPS), how often coordinate data is transmitted (SEND-FREQ), if incoming transmissions should be checked for coordinate data (GPS-RECEIVE), and the option to launch a map displaying relative locations of recently received transmissions (DISPLAY-MAP).

The SEND-LOC menu option (Area Menu page 66) is specific to each channel. This option allows the transmission of coordinate data to be enabled or disabled for individual channels.

GPS coordinate data is not transmitted when the KG-Q10G is in Frequency Mode.

How to Activate the Global Location Functions

Be sure that your radio is in Channel mode by using the WORK-MODE menu option (page 69).

1. Long Press [MENU] + [4] + [4] to enter the LOCATION sub-menu.
2. Press [MENU] + [1] to select the GPS option in the sub-menu and press [MENU]. Turn the channel knob or press the [UP] and [DOWN] keys to select ON, then press [MENU] to save it and return to the LOCATION sub-menu. The GPS pin icon should appear at the top of the display.
3. While still in the LOCATION sub-menu, press [2] to select the SEND-FREQ option and press [MENU]. Turn the channel knob or press the [UP] and [DOWN] keys to select the desired interval with which to send the GPS location data, then press [MENU] to save it and return to the LOCATION menu. Read page 91 for more information about the SEND-FREQ interval option.
4. While still in the LOCATION sub-menu, press [3] to select the GPS-RECEIVE option and press [MENU]. Turn the channel knob or press the [UP] and [DOWN]

keys to select ON, then press [MENU] to save it and return to the LOCATION menu. Read page 91 for more information about the GPS-RECEIVE sub-menu option.

5. Press [EXIT] to go back to the main System Menu and press [EXIT] to return to standby mode.

How to Configure a Channel to Send Location Data

In order for your current location coordinates to be transmitted, the global GPS function must be enabled, the SEND-LOC function must be enabled for the active channel, and the radio must have a good signal from the GPS satellites. This is indicated by a solid, non-flashing, location icon on the display.

To enable the Send Location function for a channel:

1. Tune to the channel you would like to activate for sending coordinates.
2. Press [MENU] + [1] + [8] to enter the SEND-LOC function.
3. Turn the channel knob or press the [UP] and [DOWN] keys to select ON, then

Advanced Operation

press [MENU] to save it and return to standby mode. The Send Location function should now be active for your channel.

Important!

The GPS location information cannot be transmitted on the repeater input frequencies to comply with FCC rules.

For another Wouxun Q-Series radio to display your location using the Location Map, your radio must also be configured with a unique Radio ID. Configure your unique Radio ID by using the RADIO-ID system menu option (page 85). It is not necessary to enable the PTT-ID system menu option (page 86) to send the Radio ID in order for the GPS to work.

Important!

The GPS option must be ON in the LOCATION sub-menu and SEND-LOC must be ON for the current channel to send location data.

Note: When GPS is activated, the GPS indicator at the top of the display will begin to blink to indicate that the radio is attempting to acquire a signal. Also note that there may be a delay while the radio is searching for a signal, and there are many factors that may determine how long it takes to receive one. To ensure the signal is received, the radio must be outdoors and free from major obstructions and unwanted interference. Once a GPS signal is acquired, the indicator will turn solid.

How to Access and Display GPS Location Data

The KG-Q10G can list location coordinates of other Q Series radios and display a map of their locations on the screen. To access and display the GPS data:

1. Long Press [MENU] + [4] + [4] to enter the LOCATION function.
2. Press [MENU] + [4] to select the DISPLAY-MAP option in the sub-menu and press [MENU] to choose it.

The GPS location map will display on the left side screen. The Radio IDs of the previous 8 contacts be displayed on the right side of the screen, with a map to the left. The KG-Q10G display co-ordinates of the last 8 radios whose locations were received. A

Advanced Operation

numbered location indicator is shown in the map area for each Radio ID.

Use the [UP] and [DOWN] keys or the channel knob to select a Radio ID.

Location status information is shown at the bottom of the display. Use the [#] key to cycle through the various data, including the specific coordinates for the selected Radio ID. The location map is updated in real time as coordinate data is received.

To exit the GPS Locator Map, press the [EXIT] key.

Setting Non-Standard CTCSS or DCS

How to Set Non-Standard CTCSS

The KG-Q10G supports non-standard CTCSS codes in the range of 65.0-255.0Hz with a minimum spacing of 0.1Hz.

After selecting the CTCSS menu setting (RX-CTCSS or TX-CTCSS), enter the

desired CTCSS code via the keyboard and then press [MENU] to confirm.

For example, to set the receiving CTCSS tone to 100.5Hz:

In standby, press [MENU] + [5], the screen will display: RX-CTCSS, press MENU, and input [1] + [0] + [0] + [5], then press [MENU] to confirm, and [EXIT] to return to standby.

How to Set Non-Standard DCS

The KG-Q10G supports non-standard DCS codes ranging from 000-766, except any code with the digit 8 or 9. For example, 680.719 is not a valid non-standard DCS code.

After selecting the DCS menu setting (RX-DCS or TX-DCS), enter the desired DCS code from the keypad, press [#] to select the Positive (N) or Negative (I) code, and then press MENU to confirm.

Example 1: Set the receive DCS as D105N

In standby, press [MENU] + [7] and the screen will display: RX-DCS. Press [MENU]

Advanced Operation

and input [1] + [0] + [5], then press [#] to select the Positive code if needed (DCS codes are set to positive by default). The screen will display D105N. Press [MENU] to confirm, and then press [EXIT] to return to standby.

Example 2: Set the receive DCS as D105I

In standby, press [MENU] + [7] and the screen will display: RX-DCS. Press [MENU] and input [1] + [0] + [5], then press [#] to select the Negative code. The screen will display D105I. Press [MENU] to confirm, and then press [EXIT] to return to standby.





DTMF Encoding

The KG-Q10G features dual-tone multi-frequency (DTMF) encoding. This enables the radio to perform a number of useful signaling operations.

Using the DTMF Keypad

The KG-Q10G has a full function DTMF keypad. While pressing the [PTT] key to

transmit, press the key on the keypad that corresponds to the DTMF tone that you wish to send. The number keypad on the radio corresponds to DTMF codes as follows:

					A	B	C	D
1 SQL	2 PWR	3 W/N	*SCAN	AREA	1	2	3	*
4 STEP	5 R-CTC	6 T-CTC	0	TDR MODE	4	5	6	0
7 R-DCS	8 T-DCS	9 SHIFT	# → 0	WX	7	8	9	#

Sending a Radio ID

The KG-Q10G is capable of automatically sending a radio ID number using DTMF functionality. When activated, the radio ID will be sent during a transmission. When the radio ID is transmitted, radios capable of displaying a radio ID will typically show the ID number on the display while receiving the transmission. A radio ID could be referred to as an ANI or a PTT ID.

Advanced Operation

The KG-Q10G has three system menu options related to configuring the radio ID: PTT-ID (page 86), RADIO-ID (page 85), and ID-DELAY (page 86).

To set a radio ID, long press [MENU] + [3] + [2]. The screen will display: RADIO-ID (page 85). Press [MENU], input the desired number, then press [MENU] to confirm and [EXIT] to return to standby.

To transmit the radio ID, long press [MENU] + [3] + [3]. The screen will display: PTT-ID (page 86). Press [MENU], choose whether to transmit the ID at the beginning of transmission (BOT), end of transmission (EOT), or both beginning and end (BOTH). Press [MENU] to confirm and [EXIT] to return to standby.

You can delay transmission of the radio ID for a specific time using the ID-DELAY menu option (page 86). This delay time can be set to one of 30 levels in 100ms increments.

Calling a specific radio using an ID

The KG-Q10G also supports the ability to call another radio directly, using its Radio ID. To enable this function, you must activate and configure all radios in your fleet to

transmit the Radio ID (see Sending a Radio ID on page 113) and select either the QT+DTMF or QT*DTMF filter option in MUTE-MODE (page 65).

To call a specific radio, you must know its radio ID. After pressing PTT and allowing your radio time to transmit its radio ID, use a PF key (see Transmitting DTMF Tones on page 115) to send the pre-programmed radio ID that you are calling or enter the radio ID manually using the keypad while holding PTT. Enter the # symbol after the ID when the ID is shorter than six digits.

Once a KG-Q10G receives a DTMF signal matching its radio ID, it will play a ring sound and then open the speaker to allow the incoming transmission to be heard. The length of the ring sound can be set using the RING system menu option (page 87) or in the programming software.

Up to 99 Call ID tones can be assigned using the programming software.

Transmitting DTMF Tones

The KG-Q10G provides a way to send pre-configured DTMF tones via a Push-to-Talk (PTT) key. First, assign a PTT key to the CALL option (page 79). This is available

Advanced Operation

as an option for the [PTT1] or [PTT2] key. The programming software allows the defining of up to 99 Call ID tones. Each channel can be assigned a Call ID tone using the CALL-GROUP area menu item (page 67).

Holding the PTT assigned the CALL key will transmit the Call Code sequence defined for the Call Group assigned to the channel.

Alert Tone (Single-Tone Pulse Frequency)

Some repeaters require a tone burst to be transmitted to signal the repeater to transmit. This is not often used in the United States and is more common in Europe.

The KG-Q10G supports this functionality. Use the ALERT menu option (page 87) to select the specific hertz of the tone that is needed (1750Hz is most common and is the default). To send the tone, press the [PF2] side key while transmitting.

Remote Control

The Remote Control function allows some settings of the KG-Q10G to be modified remotely. The remote control function must be configured using the PC programming software, and the radio used to control the KG-Q10G remotely must have DTMF support.

Programming Software Settings

Open the Wouxun PC programming software and select the Key Settings tab. You will see a box on the right side with the following six entry fields: Radio ID, Control Code, Kill, Monitor, Stun and Inspect.

Radio ID: The ID of the radio. This setting has uses other than within the remote control function and can be changed via the radio menu also (see RADIO-ID, page 85). Generally when using radio IDs, each radio in your group should have a unique value.

Control Code: The Control Code value determines if the radio will allow requests to be controlled remotely. The control code is a value that you determine. This number works like a password. The remote radios must send the matching code in order to activate re-

Advanced Operation

mote control functions. The control code must be between 3-6 digits and cannot begin with 0.

Stun, Kill, Monitor and Inspect

The following details how to perform the Stun, Kill, Monitor, and Inspect remote control functions. These functions cannot be activated while a transceiver is in repeater mode.

In the following example, assume a Control Code of 654321 and a Radio ID of 123456 have been configured in the programming software.

Stun

Stun prevents a radio from transmitting.

To activate the stun function on a remote radio, perform the following steps. From the controlling radio, transmit a DTMF sequence matching the following: Control Code + CB (DTMF stun code) + Radio ID. Using our example, the transmitted sequence would be: 654321 CB 123456. On the controlled radio, if the received Control Code

matches the Control Code and the DTMF ID matches, the stun function will be activated.

To reactivate a stunned radio, send the stun sequence again.

Kill

Kill prevents a radio from transmitting or receiving.

To activate the stun function on a remote radio, perform the following steps. From the controlling radio, transmit a DTMF sequence matching the following: Control Code + AB (DTMF kill code) + Radio ID. Using our example, the transmitted sequence would be: 654321 AB 123456. On the controlled radio, if the received Control Code matches the Control Code and the DTMF ID matches, the kill function will be activated.

To reactivate a killed radio, send the kill sequence again.

Monitor

Monitor opens the microphone on a remote radio, forcing the radio to transmit for 15 seconds. No input is needed on the remote radio.

Advanced Operation

To activate the monitor function on a remote radio, perform the following steps. From the controlling radio, transmit a DTMF sequence matching the following: Control Code + DA (DTMF monitor code) + Radio ID. Using our example, the transmitted sequence would be: 654321 DA 123456. On the controlled radio, if the Control Code matches the Control Code and the DTMF ID matches, the monitor function will be activated for 15 seconds.

Inspect

Inspect forces the remote radio to transmit a DTMF sequence. This is useful for confirming that the radio is in range and is responding to commands.

To activate the monitor function on a remote radio, perform the following steps. From the controlling radio, transmit a DTMF sequence matching the following: Control Code + DB (DTMF inspect code) + Radio ID. Using our example, the transmitted sequence would be: 654321 DB 123456. On the controlled radio, if the received Control Code matches the Control Code and the DTMF ID matches, the inspect function will be activated.

Before assuming your KG-Q10G is defective, please check the following list of possible problems and solutions. The RESET option provided in the menu can be used to restore factory standard settings and programming, and will often solve issues.

Problem	Solution
Receive indicator is on but no sound is heard.	<ul style="list-style-type: none"> ■ Check volume level. ■ Disable CTCSS/DCS or be sure setting matches incoming transmission. ■ Check squelch settings.
Keypad is unresponsive	<ul style="list-style-type: none"> ■ Check if keypad has been locked. ■ Check if other keys are currently pressed
Unwanted interference is being received	<ul style="list-style-type: none"> ■ Enable CTCSS or DCS tone to filter out unwanted transmissions. ■ Use a different channel
Transceiver transmits without PTT being pressed	Check if the VOX hands-free mode is active. If intentionally using VOX mode, adjust the sensitivity level.

Troubleshooting

Problem	Solution
Cannot power on	<ul style="list-style-type: none">■ Check that the battery pack is attached correctly.■ Check that the battery pack is fully charged.
Battery life lower than expected	<ul style="list-style-type: none">■ Be sure the charger indicates the battery is fully charged.■ The battery pack capacity will naturally diminish over a number of charge cycles. This is the case with all lithium batteries.
Cannot transmit GPS location	<ul style="list-style-type: none">■ Check to be sure GPS is ON and SEND-LOC is enabled for the current channel.

Specifications

Entire Radio	
Frequency Range	TX: GMRS Frequencies RX: 26.965-27.405 (AM/FM) / 76-108 MHz (FM) 108-136 MHz (Airband, AM) 136-174 MHz (FM) / 222-225 MHz (FM) 320-400 MHz (FM) / 400-480 MHz (FM) / 714-999 MHz (FM)
Memory Channels	999
Work Mode	F2D / F3E
Work Temperature	-20°C~+40°C / -22°F~140°F
Frequency Step	2.5 / 5.0 / 6.25 / 8.33 / 10 / 12.5 / 25 / 50 / 100 KHz
Voltage	7.4VDC
Weight	11.01oz / 312g

Technical Information

<i>Receiver</i>	<i>Wide Band</i>	<i>Narrow Band</i>	<i>Transmitter</i>	<i>Wide Band</i>	<i>Narrow Band</i>
Adjacent Channel Selectivity	≤70dB	≤60dB	Adjacent Channel Power	≥70dB	≥60dB
Inter-modulation	≤65dB	≤60dB	Spurious	≤-60dBm	≤-60dBm
Spurious Response	≤70dB	≤70dB	Audio Response	+3dB (0.3~3KHz)	+3dB (0.3~2.55KHz)
Audio Response	+1~3dB (0.3~3KHz)	+1~3dB (0.3~3KHz)	Max Frequency Offset	±5KHz	±2.5KHz
Signal to Noise Ratio	≤45db	≤40db	Frequency Stability	±2.5ppm	
Audio Distortion	≤5%		Audio Distortion	≤5%	
Audio Power	≤500mW		Output Power	up to 6 Watts	

Standard CTCSS and DCS Tones

The following is a list of the standard CTCSS and DCS tones supported by the KG-Q10G. Some radios display a number instead of a specific tone. The number to the left of the tone matches what is used by most manufacturers.

CTCSS									
1	67.0	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100.0	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77.0	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

Technical Information

DCS codes ending in *N* are positive. Negative DCS codes end in *I*. The KG-Q10G includes 105 positive and 105 negative codes.

DCS													
1	D023N	16	D074N	31	D165N	46	D261N	61	D356N	76	D462N	91	D627N
2	D025N	17	D114N	32	D172N	47	D263N	62	D364N	77	D464N	92	D631N
3	D026N	18	D115N	33	D174N	48	D265N	63	D365N	78	D465N	93	D632N
4	D031N	19	D116N	34	D205N	49	D266N	64	D371N	79	D466N	94	D645N
5	D032N	20	D122N	35	D212N	50	D271N	65	D411N	80	D503N	95	D654N
6	D036N	21	D125N	36	D223N	51	D274N	66	D412N	81	D506N	96	D662N
7	D043N	22	D131N	37	D225N	52	D306N	67	D413N	82	D516N	97	D664N
8	D047N	23	D132N	38	D226N	53	D311N	68	D423N	83	D523N	98	D703N
9	D051N	24	D134N	39	D243N	54	D315N	69	D431N	84	D526N	99	D712N
10	D053N	25	D143N	40	D244N	55	D325N	70	D432N	85	D532N	100	D723N
11	D054N	26	D145N	41	D245N	56	D331N	71	D445N	86	D546N	101	D731N
12	D065N	27	D152N	42	D246N	57	D332N	72	D446N	87	D565N	102	D732N
13	D071N	28	D155N	43	D251N	58	D343N	73	D452N	88	D606N	103	D734N
14	D072N	29	D156N	44	D252N	59	D346N	74	D454N	89	D612N	104	D743N
15	D073N	30	D162N	45	D255N	60	D351N	75	D455N	90	D624N	105	D754N

Default GMRS Channels and Frequencies

Simplex Channels

Ch.	Name	Frequency	Power
001	GMRS-01	462.5625	H
002	GMRS-02	462.5875	H
003	GMRS-03	462.6125	H
004	GMRS-04	462.6375	H
005	GMRS-05	462.6625	H
006	GMRS-06	462.6875	H
007	GMRS-07	462.7125	H
008	GMRS-08	467.5625	L
009	GMRS-09	467.5875	L
010	GMRS-10	467.6125	L
011	GMRS-11	467.6375	L

Ch.	Name	Frequency	Power
012	GMRS-12	467.6625	L
013	GMRS-13	467.6875	L
014	GMRS-14	467.7125	L
015	GMRS-15	462.5500	H
016	GMRS-16	462.5750	H
017	GMRS-17	462.6000	H
018	GMRS-18	462.6250	H
019	GMRS-19	462.6500	H
020	GMRS-20	462.6750	H
021	GMRS-21	462.7000	H
022	GMRS-22	462.7250	H

Technical Information

Repeater Channels

Ch.	Name	Receive Frequency	Transmit Frequency	Max Power
023	RPT-15	462.5500	467.5500	Ultra High
024	RPT-16	462.5750	467.5750	Ultra High
025	RPT-17	462.6000	467.6000	Ultra High
026	RPT-18	462.6250	467.6250	Ultra High
027	RPT-19	462.6500	467.6500	Ultra High
028	RPT-20	462.6750	467.6750	Ultra High
029	RPT-21	462.7000	467.7000	Ultra High
030	RPT-22	462.7250	467.7250	Ultra High

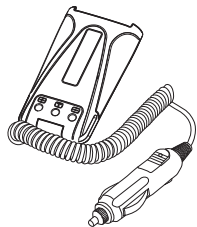
Default CB Channels and Frequencies

The following channels are pre-programmed to default CB frequencies.

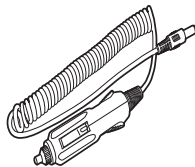
Ch	Frequency	Ch	Frequency	Ch	Frequency	Ch	Frequency
101	26.96500	111	27.08500	121	27.21500	131	27.31500
102	26.97500	112	27.10500	122	27.22500	132	27.32500
103	26.98500	113	27.11500	123	27.25500	133	27.33500
104	27.00500	114	27.12500	124	27.23500	134	27.34500
105	27.01500	115	27.13500	125	27.24500	135	27.35500
106	27.02500	116	27.15500	126	27.26500	136	27.36500
107	27.03500	117	27.16500	127	27.27500	137	27.37500
108	27.05500	118	27.17500	128	27.28500	138	27.38500
109	27.06500	119	27.18500	129	27.29500	139	27.39500
110	27.07500	120	27.20500	130	27.30500	140	27.40500

NOAA Weather Channels

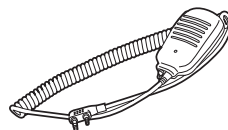
Ch.	Frequency	Ch.	Frequency
1	162.4000	5	162.5000
2	162.4250	6	162.5250
3	162.4500	7	162.5500
4	162.4750		



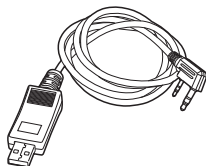
Eliminator



Car charger



Speaker/Mic



USB programming cable



Headset

Shop Wouxun Accessories:

www.buytwowayradios.com/accessories/by-radio-brand/wouxun-radio-accessories.html

Limited Warranty

We warrant this product against defects in material and workmanship as follows:

Radio and its original primary components for a period of one (1) year from date of purchase.

Accessories (including battery, charger, belt clip, antenna and adapter) for a period of six (6) months from date of purchase.

This warranty is limited to the repair and replacement of the defective components and is not valid if the radio has been tampered with, misused, abused, used with unapproved accessories, subjected to unauthorized disassembly, unauthorized repair, replacement of unauthorized parts, unavoidable conditions, human destruction, water damage or environmental damage. This warranty is void if the serial number is defaced or altered.

If service, repair or replacement is required within the warranty period, such repair or replacement will be made free of charge by the dealer through whom the equipment was purchased. If the owner requires any service or repair from any dealer through whom the equipment was not purchased, the cost of repair must be made by the owner.

This warranty is valid for the original purchaser or owner of the product and is not

transferable.

THIS LIMITED WARRANTY IS THE ENTIRE WARRANTY FOR THIS PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF ANY DAMAGES, INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES RELATED TO THE USE OF THIS PRODUCT. Some states do not allow this exclusion or limitation of damages so the above limitation or exclusion may not apply to you. This warranty is valid only within the United States of America.

Note: Product features, specifications and warranty terms are subject to revision by the manufacturer without notice. We are not responsible for unintentional errors or omissions on product packaging.

Version: KG-Q10G-2310-V1.2