

Thank you for purchasing the Wouxun KG-S88G portable GMRS radio.

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The KG-S88G 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.

Notice

- These tips are important for safe operation of your KG-S88G 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-S88G is FCC Part 95E type accepted for use on the GMRS. The KG-S88G 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
- Up to 5 Watts Output Power
- IP67 Waterproof
- Tune Specific Frequencies Directly (Frequency Mode)
- LCD Display
- High/Low Power Selectable
- Wide/Narrow Bandwidth Selectable
- Up to 256 Custom Channels
- Standard and Non-Std CTCSS/DCS
- Split CTCSS/DCS Tone Support
- CTCSS/DCS Tone Scan
- Channel Scan
- Priority Channel Scanning
- Display Channel Name, Number, or Frequency
- Incoming Caller ID Display
- Descrambler
- DTMF Encode/Decode
- Receive (RX) Frequency Range:
400-480MHz
462.5500-462.7250MHz 462.5625-462.7125MHz
467.5500-467.7250MHz 467.5675-467.7125MHz
- Transmit (TX) Frequency Range:
462.5500-462.7250MHz 462.5625-462.7125MHz
467.5500-467.7250MHz 467.5675-467.7125MHz
- English Voice Guide

Getting Started

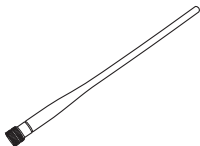
- Built-in Flashlight
- 2 Configurable Side Keys
- Configurable Top Key
- USB-C Charging Port
- PC Programming Software Support

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



High gain antenna



Lithium-ion battery pack



Intelligent charger



Beltclip



Handstrap



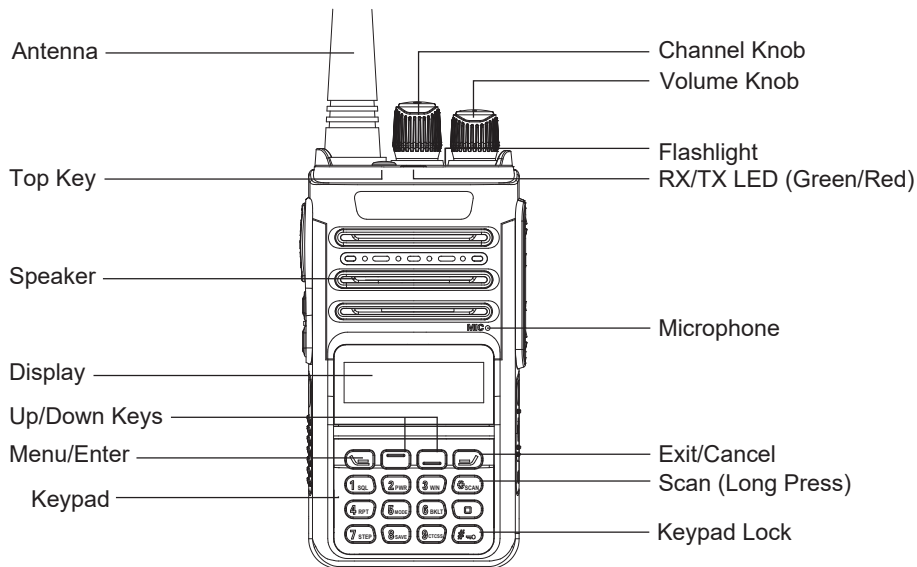
User's manual



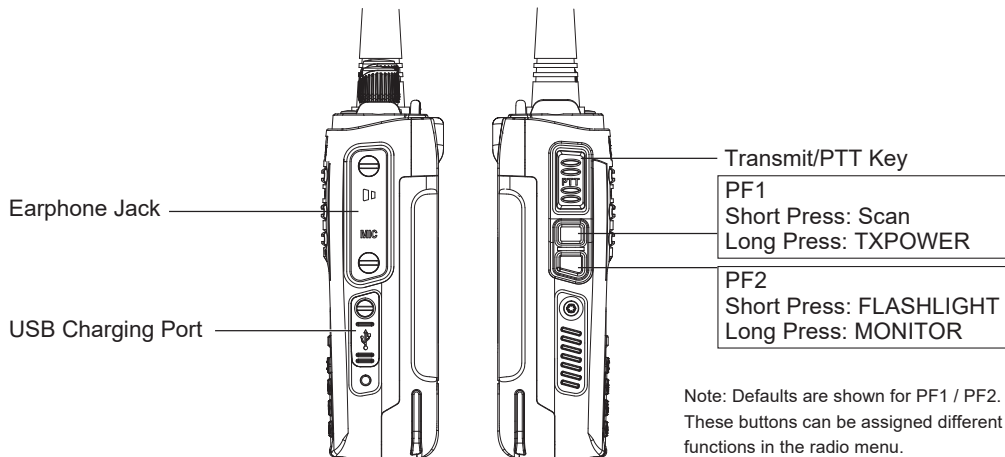
Service card

Getting Started

Front Panel Guide

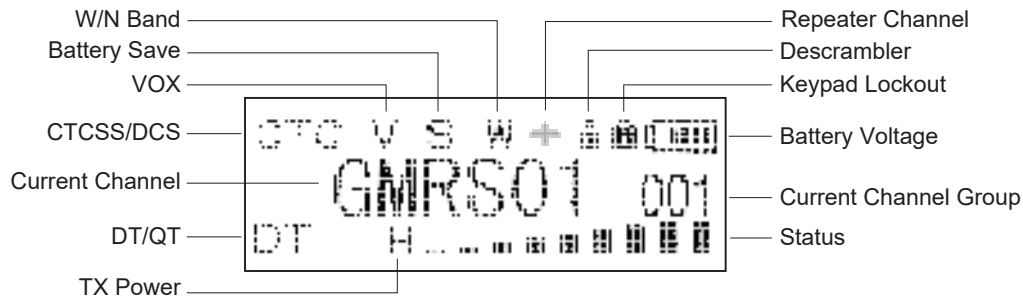


Right / Left Side Guide



Getting Started

Display Guide



Dust and Water Protection

The KG-S88G 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. 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.

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 the release latch in place, press down on the top end of the battery pack and slide the battery pack down and off the radio.

Charging the Battery

The KG-S88G 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-S88G 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-S88G 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 a to a USB port in a vehicle, power bank or computer.

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 battery pack. It can also operate on power supplied through the USB port with or without the battery attached.

Antenna Information

The KG-S88G includes an antenna with an SMA female connector that is tuned for the GMRS frequency range of your radio. Aftermarket antennas may be used, provided they are tuned for the GMRS.

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

DO NOT attempt to operate your radio without an antenna connected to the radio. Transmitting without an antenna or a correctly tuned antenna directly and properly connected to the radio may damage the radio and void the warranty.

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-S88G

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-S88G 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-S88G 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-S88G for the first time, the display will likely show “GMRS01” in the center with “001” on the right side. GMRS01 is the name of the currently selected channel. 001 is the channel number. Turn the Channel Knob or the [UP] / [DOWN] 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 using. Be sure the channel you select is also supported by the equipment everyone else

Operation

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-S88G 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 on the KG-S88G.
- Transmitting on channels 8-14 is limited to a half watt of output power and is for use on Low power only. Prior to FCC changes made in 2017, these channels were part of the FRS service only and were not available for GMRS.
- Transmitting on channels 15-22 is allowed at High power on the KG-S88G. These channels are authorized for up to 50 watts of output power. Prior to FCC changes made in 2017, this group was exclusive to GMRS (not part of FRS).
- 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 30 for more information about using the KG-S88G 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 44) 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 PTT button on the side while talking and release the PTT 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.

Channel and Frequency Modes

The KG-S88G supports tuning frequencies via two methods: channel and frequency modes.

Operation

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-S88G is pre-configured with 30 GMRS channels, but allows users to save custom channels as well (up to 256). In channel mode, turning the Channel/Frequency Knob or pressing an arrow key will tune to the next channel in the list.

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 47) allows you to adjust the step between each frequency. To enter a frequency directly, type the frequency using the keypad.

The KG-S88G supports the following frequency band:

KG-S88G Frequency Band

400.000 - 480.000 MHz

The KG-S88G can only transmit on GMRS frequencies. All other available frequencies entered in Frequency mode or through the programming software are receive only. The WORKMODE menu option (page 46) allows you to switch between Channel and Frequency modes.

Channels and Privacy Codes

The KG-S88G supports 30 built-in GMRS channels and 155 privacy tones and codes. To successfully communicate between your stations or members of your group, all the connecting radios must be using the same channel and privacy (CTCSS or DCS) code.

The KG-S88G supports both standard and non-standard CTCSS tones and DCS codes. These tones and codes can be enabled and configured in the [RX-CTCSS], [RX-DCS], [TX-CTCSS] and [TX-DCS] menu options (pp 47-48). Instructions for entering non-standard tones and codes can be found in the Advanced Operations section of this manual (page 68).

The KG-S88G supports 256 customizable memory channels. Channels can be added, deleted or reordered via the PC programming software.

Using the Repeater Channels

The KG-S88G 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 channel's 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.

KG-S88G 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
023	RPT-15	462.5500	467.5500

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

Accessing a Repeater in Frequency Mode

The REPEATER menu option (page 45) 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-S88G will transmit to the repeater input frequency when PTT is pressed. The REPEATER menu option is ignored when the radio is not tuned to one of the 8 GMRS repeater transmit frequencies.

Channel Scan

The [*SCAN] key controls the scan function. To activate Channel Scan, 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 49) 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 (page 62-64).

Priority Channel Scan

The KG-S88G supports Priority Channel Scanning. With this feature a priority channel can be specified that is scanned much more frequently than other channels. This helps prevent missing all or part of a transmission when you are primarily concerned

Operation

with a single channel.

Priority Channel Scanning works by scanning your priority channel in between all other channels. For example, if your priority channel is 3 the radio would scan your channel list in the following order:

1 ▶ 3 ▶ 2 ▶ 3 ▶ 3 ▶ 3 ▶ 4 ▶ 3 ▶ 5 ▶ 3 ▶ ...

To set a priority channel, use the [PRI-CH] menu item (page 50). To activate the Priority Channel Scanning feature, use the [PRI-SCN] menu item (page 50). Individual channels can be added or removed from the scan list using the Scan Add [SC-ADD] menu option (page 50).

Scanning CTCSS / DCS Codes

The KG-S88G is equipped with the ability to scan an incoming signal for a CTCSS or DCS tone and update the current channel's tone settings once the tone is identified.

To activate CTCSS / DCS scan, press the [MENU] key and navigate to the TONES-CAN menu item. Press [MENU] again to enter the menu item and the first tone or

code on the list will display on the screen. 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. Use the [PF2] side key to toggle between scanning the standard CTCSS, positive DCS, and negative DCS tone list. See the TONESCAN menu item (page 51) for more information.

Key Lock

The buttons on the KG-S88G can be locked to prevent them from being accidentally pressed. When the Key Lock is enabled, all buttons except the [*LOCK] and PTT keys will be disabled.

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

Keypad Hotkeys

The keypad features hotkeys for faster access to the first nine menu options. When the radio is in 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 4844)
2	PWR	Output Power menu function (page 44)
3	W/N	Bandwidth menu function (page 45)
4	RPT	Repeater menu function (page 45)
5	MODE	Work Mode menu function (page 46)
6	BKLT	Backlight menu function (page 46)
7	STEP	Frequency Step menu function (page 47)
8	SAVE	Battery Saver menu function (page 47)

Key	Hotkey	Function/Menu Item
9	CTCSS	Receive CTCSS Tone menu function (page 47)
0		

Note

For instant access to any menu option while in the menu, simply enter the number of the menu option into the keypad. This is a faster and more convenient method of locating a specific menu option than by using the [UP] and [DOWN] keys or the Channel Knob.

Keypad Function Keys

The keypad includes 6 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.

Operation

Key	Function
*SCAN	Short Press: Reverse Frequency (page 40) Long Press: Channel/Frequency Scan (page 33)
#LOCK	Press 2 seconds to lock/unlock keypad (page 35)
MENU	Enter menu, select options and save to the radio
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 Key Functions

The KG-S88G has two programmable keys called [PF1] and [PF2] located on the left side of the radio below the PTT key. 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] buttons from the menu (page 62-64). They can also be assigned via the programming software.

Default Key	Function	Description
	ALARM	Transmit alarm (page 41)
	BACK-LT	Activate backlight (page 46)
	CALL	Sends a call ID
PF1 Short	SCAN	Scan function (page 33)
PF1 Long	TXPOWER	Transmit power level (page 44)
	REVERSE	Activate reverse frequency (page 40)
	TALK-A	Activate talkaround (page 40)
PF2 Short	FLASHLT	Activate flashlight (page 42)
PF2 Long	MONITOR	Monitor channel (page 41)
	SOS	Transmit SOS (page 41)
	VOX	Activate VOX (p 52)
TOP Short	WORKMODE	Channel or frequency mode switch (page 27)
TOP Long	OFF	Key not assigned

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 menu (pp. 62-64). 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. The Talk Around function can

be assigned to the [PF1], [PF2] or [TOP] buttons from the menu (pp. 62-64).

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 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. 62-64).

Alarm

The radio features an alarm function with an ANI ID code. When activated, the radio will emit an oscillating alarm and transmit an ANI 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. 62-64).

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. 62-64).

Flashlight

The KG-S88G has a built-in LED flashlight at the top of the radio. To access this feature, it must first be assigned to the [PF1], [PF2] or [TOP] key (pp. 62-64).

Stopwatch Timer

The KG-S88G has a built-in stopwatch timer. It can be enabled using the TIMER menu option (page 61). Once enabled, Press [#LOCK] on the radio to activate the timer. Press the [MENU] key to stop the timer. When stopped, press [#LOCK] to deactivate the timer and return to standby mode.

Operation

The timer runs in tandem with normal radio operation. Channels can be changed, programmable keys will function, and the radio will transmit and receive while the timer is active. 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.

Menu Functions

[01: SQL] 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. Squelch is set independently for each area.

Options: 0-9

Default: 5

[02: TX-POWER] Output Power

Function: Sets the transmit power of the radio. The radio has two power options: Low and High . Wattage is approximate. Note, the transmit power for GMRS channels 8-14 are restricted by the FCC to 0.5 watts and can be used on low power only. The transmit power of channels 1-7 are limited to 5 watts and can be used on Low or High power. The KG-S88G will automatically adjust the power to the FCC limits.

Options: HIGH/LOW

Default: (Varies by channel)

[03: W-N] Bandwidth

Function: Sets the bandwidth for the current channel.

Options: WIDE/NARROW

Default: (Varies by channel)

[04: REPEATER] Repeater

Function: Sets the offset frequency for a repeater channel. When this option is activated the KG-S88G 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

Menu Functions

[05: WORKMODE] 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-NUM/FREQ/CH-FREQ

Default: CH-NAME

CH-NAME: Channel Mode. Displays the channel name (Example: GMRS01)

FREQ: Frequency Mode. Allows directly tuning any frequency in the wide receive range of the KG-S88G. The radio transmits on GMRS frequencies only.

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

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

[06: BACK-LT] Active Backlight

Function: Sets the timeout of the LCD display backlight while the radio is in 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: OFF/1-30S/ALWAYS

Default: 10 Seconds

[07: 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/25K/50K/100K

Default: 12.5K

[08: BAT-SAVE] 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

[09: RX-CTCSS] Receive CTCSS Tone

Function: Sets the receiving CTCSS tone for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.

Options: OFF/50 CTCSS Tones

Default: OFF

Menu Functions

[10: RX-DCS] Receive DCS Code

Function: Sets the receiving DCS code for the selected channel. Short press the [PF2] key to choose DCS+ or DCS- codes. Use the arrow keys to select your preferred code and then MENU to confirm.

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

Default: OFF

[11: TX-CTCSS] Transmit CTCSS Tone

Function: Sets the transmitting CTCSS tone for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.

Options: OFF/50 CTCSS Tones

Default: OFF

[12: TX-DCS] Transmit DCS Code

Function: Sets the transmitting DCS code for the selected channel. Short press the [PF2] key to choose DCS+ or DCS- codes. Use the arrow keys to select your preferred code and then MENU to confirm.

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

Default: OFF

[13: SCANMODE] 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.

[14: SCAN-QT] Tone Scanning Compatibility Check

Function: Check that the detected tones are compatible when scanning.

Options: ON/OFF

Menu Functions

Default: OFF

[15: SCAN-ADD] Scan Add / Delete

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

Options: ADD/DEL

Default: ADD

[16: PRI-SCAN] Priority Scan

Function: Activates scanning of the Priority Channel. During scan, the priority channel will be scanned more frequently. Read the “Channel Scan” section on page 33 to learn more.

Options: ON/OFF

Default: OFF

[17: PRI-CH] Priority Channel

Function: Selects the priority channel. This is used during scanning when the Priority Scan (menu option 16) feature is enabled. To select a priority channel, use the

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

Options: 256 channels

Default: CH01

[18: TONE-SCAN] CTCSS/DCS Scanning

Function: Scans the incoming signal for CTCSS or DCS tones to identify or confirm the correct tone. This function must be activated while receiving a signal.

Options: None. Choose the function and press [MENU] to activate the scan.

Default: 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. Short press the [PF2] side key to toggle between standard CTCSS, positive DCS, and negative DCS tone list.

[19: 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: TX-RX/RX/TX

Menu Functions

Default: TX

TX-RX: Saves the scanned tone to both.

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

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

[20: 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/1-9 (level)

Default: OFF

[21: VOX-DLY] VOX Delay

Function: Sets the number of seconds to delay turning off transmit after the VOX function no longer detects audio.

Options: OFF/1-5 (seconds)

Default: 1S

[22: 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: 15-900 seconds (15 second increments)

Default: 60 seconds

[23: 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: OFF

[24: ROGER] Roger Beep

Function: Enables an audible roger beep prompt during transmission.

Menu Functions

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

[25: BEEP] Button Beeps

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

Selectable: ON/OFF

Default: ON

[26: VOICE] Voice Guide

Function: Enable or disable voice prompts.

Options: OFF/ON

Default: ON

[27: 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

[28: 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

[29: CALL-ID] Caller ID

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

Options: 1-20 Groups

Default: 1

[30: CH-NAME] Channel Name

Function: Allows you to edit the name for the currently active channel. To edit a chan-

Menu Functions

nel 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. This option is only available in Channel Mode.

Options: 8 Characters

Default: None

[31: CH-ADD] Add Memory Channel

Function: Adds a channel to the memory channel list.

Options: None

Default: None

[32: CH-DELETE] Delete Memory Channel

Function: Deletes a channel from the memory channel list.

Options: None

Default: None

[33: SP-MUTE] Speaker Mute

Function: Speaker Mute settings

Options: QT/QT+DTMF/QT*DTMF

Default: QT

QT: All signals on the same CTCSS tone/DCS code will activate the speaker

QT*DTMF: Only those signals which have either the same QT or DTMF codes as the radio will activate the speaker.

QT+DTMF: Only those signals which include both the same CTCSS/DCS and dual-tone multi-frequency (DTMF) signal as the radio will activate the speaker.

[34: SIDETONE] Sidetone Setting

Function: Activates the Caller ID and keypad sidetone during transmission.

Options: OFF/DT-ST/ANI-ST/DT+ANI

Default: OFF

DT-ST: Activates keypad sidetone

ANI-ST: Activates Caller ID sidetone

Menu Functions

DTMF+ANI: Activates both keypad and Caller ID sidetones

[35: ALERT] Tone Alert

Function: Activates the tone alert. 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.

[36: ID-EDIT] ID-EDIT

Function: Sets the Caller ID. The caller ID is composed of numbers 0-9. The first digit cannot be 0. ID numbers must be at least 3 digits and a maximum of 6 digits.

Options: 0-9

Default: 101

[37: ID-DELAY] ID-Delay

Function: Delays transmission of the Caller ID code for a specified time. This delay

time can be set to one of 30 levels in 100ms increments.

Options: 100~3000ms

Default: 1300ms

[38: PTT-ID] PTT-ID

Function: Choose whether to transmit the ID at the beginning or end of transmission.

Options: BOT/EOT/BOTH

Default: OFF

BOT: Beginning of transmission

EOT: End of transmission

BOTH: Beginning and end of transmission

[39: RING] Ring Time

Function: Specifies the length of time to prompt when DTMF signals have been decoded.

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

Default: 5S

Menu Functions

[40: STARTUP] Power On Message

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

Options: MESSAGE/VOLTAGE

Default: MESSAGE

MESSAGE: Customized Message

VOLTAGE: Battery voltage

[41: ST-MSG] Custom Power On Message

Function: Allows you to customize the Power On Message. To edit the message, press [MENU] and choose the ST-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. When you finish editing the message, press [MENU] to save.

Options: 8 Characters

Default: None

[42: TIMER] Stopwatch Timer

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

Options: ON/OFF

Default: OFF

[43: 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

[44: AUTOLOCK] Auto Lock

Function: Automatically locks the keypad after a specified time. This can be set from 10 to 60 seconds, in 10 second increments.

Options: OFF/10-60S

Default: OFF

Menu Functions

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

[45: LOCKMODE] Lock Mode

Function: Select which keys are disabled when the radio is locked.

Options: KEY/KEY+PTT/KEY+ENC/ALL

Default: KEY

KEY: Locks the front keypad and [PF1] and [PF2] side keys.

KEY+PTT: Locks the front keypad, [PF1], [PF2] and [TOP] keys, and [PTT].

KEY+ENC: Locks the front keypad, [PF1] and [PF2] side keys, and channel knob.

ALL: Locks the front keypad, [PF1], [PF2], [TOP] keys, [PTT], and channel knob.

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

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

Function: Assigns a function to the [PF1] side key. A function is assigned to a short button press.

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/
MONITOR/SOS/ALARM/VOX/WORKMODE

Default: SCAN

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

Function: Assigns a function to the [PF1] side key. A function is assigned to a long button press.

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/MONITOR/SOS/ALARM/VOX/WORKMODE

Default: TXPOWER

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

Function: Assigns a function to the [PF2] side key. A function is assigned to a short button press.

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/MONITOR/SOS/ALARM/VOX/WORKMODE

Default: FLASHLT

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

Function: Assigns a function to the [PF2] side key. A function is assigned to a long button press.

Menu Functions

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/
MONITOR/SOS/ALARM/VOX/WORKMODE

Default: MONITOR

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

Function: Assigns a function to the [TOP] key. A function is assigned to a short button press.

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/
MONITOR/SOS/ALARM/VOX/WORKMODE

Default: WORKMODE

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

Function: Assigns a function to the [TOP] key. A function is assigned to a long button press.

Options: OFF/BACK-LT/SCAN/TXPOWER/REVERSE/TALK-A/FLASHLT/
MONITOR/SOS/ALARM/VOX/WORKMODE

Default: OFF

[52: VOLTAGE] Voltage

Function: Displays the current battery voltage.

Options: None

Default: None

[53: 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.

DTMF Encoding

The KG-S88G features dual-tone multi-frequency (DTMF) encoding. The number keypad on the radio corresponds to DTMF codes as follows:

<div> <div>MENU</div> <div>▲</div> <div>▼</div> <div>EXIT</div> </div>				→	A		B		C		D	
1 SQL	2 PWR	3 W/N	* SCAN		1		2		3	*		
4 RPT	5 MODE	6 BKLT	0		4		5		6	0		
7 STEP	8 SAVE	9 CTCSS	# LOCK		7		8		9	#		

Usage:

While pressing the [PTT] key to transmit, press the key on the keypad that corresponds to the DTMF tone that you wish to send.

Setting Non-Standard CTCSS or DCS

How to Set Non-Standard CTCSS

The KG-S88G 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-CTC or TX-CTC), 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] + [2] + [5], the screen will display: RX-CTC, 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-S88G 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 legitimate non-standard DCS

code.

After setting a non-standard DCS code, press the [LOCK] key to set it as a Positive or Negative code, or press the [SCAN] key to select OFF.

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

Example 1: Set the receive DCS as D105N

In standby, press [MENU] + [2] + [6] and the screen will display: RX-DCS. Press [MENU] and input [1] + [0] + [5], then press [LOCK] to select the Positive code. The screen will display D105N. Press [MENU] to confirm, and then press [LOCK] to return to standby.

Example 2: Set the receive DCS as D105I

In standby, press [MENU] + [2] + [6] and the screen will display: RX-DCS. Press [MENU] and input [1] + [0] + [5], then press [LOCK] to select the Negative code. The

Advanced Operation

screen will display D105I. Press [MENU] to confirm, and then press [EXIT] to return to standby.

Before assuming your KG-S88G 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.

Specifications

Entire Radio	
Frequency Range	RX: 400-480 MHz (UHF) TX: GMRS Frequencies (462-467 MHz)
Memory Channels	256
Work Mode	FM
Work Temperature	-30°C~+60°C / -22°F~140°F
Antenna Impedance	50Ω
Power Supply	7.4VDC
Weight	17.28oz / 490g
Size	4.53 × 2.14 × 1.36 (in) / 115 × 54.3 × 34.6 (mm)

Technical Information

Receiver	Wide Band	Narrow Band	Transmitter	Wide Band	Narrow Band
Adjacent Channel Selectivity	≤70dB	≤60dB	RF Carrier Power	5W	5W
Inter-modulation	≤65dB	≤65dB	Adjacent Channel Power	≥70dB	≥60dB
Resistance	≤84dB	≤84dB	Spurious	≤-30dBm	≤-30dBm
Audio Response	+1~3dB (0.3~3KHz)	+1~3dB (0.3~3KHz)	Audio Modulation	+3dB (0.3~3KHz)	+3dB (0.3~2.55KHz)
Audio Distortion	≤5%		Max Frequency Offset	±5KHz	±2.5KHz
Output Power	≤500mW		Frequency Stability	±2.5ppm	
Sensitivity	0.16μV (12dB SINAD)		Modulation Distortion	≤10%	

Standard CTCSS and DCS Tones

The following is a list of the standard CTCSS and DCS tones supported by the KG-S88G. Many FRS or GMRS 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-S88G 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	GMRS01	462.5625	H
002	GMRS02	462.5875	H
003	GMRS03	462.6125	H
004	GMRS04	462.6375	H
005	GMRS05	462.6625	H
006	GMRS06	462.6875	H
007	GMRS07	462.7125	H
008	GMRS08	467.5625	L
009	GMRS09	467.5875	L
010	GMRS10	467.6125	L
011	GMRS11	467.6375	L

Ch.	Name	Frequency	Power
012	GMRS12	467.6625	L
013	GMRS13	467.6875	L
014	GMRS14	467.7125	L
015	GMRS15	462.5500	H
016	GMRS16	462.5750	H
017	GMRS17	462.6000	H
018	GMRS18	462.6250	H
019	GMRS19	462.6500	H
020	GMRS20	462.6750	H
021	GMRS21	462.7000	H
022	GMRS22	462.7250	H

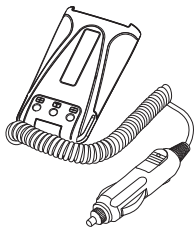
Technical Information

Repeater Channels

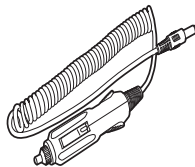
Ch.	Name	Receive Frequency	Transmit Frequency	Max Power
023	RPT-15	462.5500	467.5500	HIGH
024	RPT-16	462.5750	467.5750	HIGH
025	RPT-17	462.6000	467.6000	HIGH
026	RPT-18	462.6250	467.6250	HIGH
027	RPT-19	462.6500	467.6500	HIGH
028	RPT-20	462.6750	467.6750	HIGH
029	RPT-21	462.7000	467.7000	HIGH
030	RPT-22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

KG-S88G Maximum Power levels: H=5W

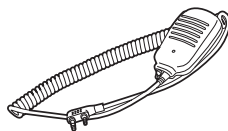
Note: Power levels are approximate.



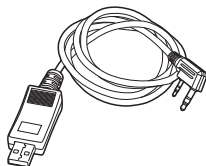
Eliminator



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.

FCC Warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests on each product are performed in positions and locations as required by the FCC.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter at least 25mm from your face and speak in a normal voice, with the antenna pointed up and away from the face.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to comply with the FCC RF exposure requirements, the antenna installation must comply with following:

Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk (PTT) button is pressed.

The device is authorized to operate at a duty factor not to exceed 50%.