

# Brookstone®

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## Walkie-Talkie Radios

STAY CONNECTED—  
FROM UP TO 15 MILES AWAY\*



\*Under optimal conditions.

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## CAUTION

- TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. THERE ARE NO SERVICEABLE PARTS INSIDE.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the unit’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.

## IMPORTANT SAFETY INSTRUCTIONS

All the safety and operating instructions should be read, adhered to and followed before the unit is operated.

## SAVE THESE INSTRUCTIONS

## **SAFETY AND GENERAL INFORMATION**

1. Do not transmit more than 50% of time. It is important, as the radio generates measurable RF energy exposure only when transmitting.
2. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
3. Radio frequency signals transmitted may cause interference to hearing aids.
4. Turn off the radio when near medical equipment.
5. This product should not be used by people with pacemakers.
6. Do not use the radio when driving a vehicle or operating machinery.
7. Do not use the radio when on board aircraft.
8. Do not hold the antenna when transmitting.
9. Do not use the radio when the antenna has been damaged.
10. Turn off the radio and remove the batteries if you are not going to use it for a long period of time.

## **TWO-WAY RADIO OPERATION**

This device was tested for typical body-worn operations using the supplied belt-clip. To maintain compliance with FCC RF exposure requirements, body-worn operations are restricted to the supplied belt-clip. For hand-held operation, the radio should be held at least 1 inch (2.5cm) from the user's face. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided. For more information about RF exposure, please visit the FCC web site at [www.fcc.gov](http://www.fcc.gov).

## **OPERATIONAL CAUTIONS**

1. Never dispose of batteries in a fire. There is a serious risk of explosion and/or the release of highly toxic chemicals.
2. Do not expose the product to direct sunlight, extreme cold or place it near heating appliances.
3. Do not submerge any part of the product in water and do not use it in damp, humid or wet conditions.
4. Do not expose the product to fire, explosive or other hazardous conditions. For example, at petrol stations or areas where explosive products are used.

## **DANGER**

To reduce the risk of electric shock, burns, fire or injury:

1. Do not use while bathing or in a shower.
2. Do not place or store unit where it can fall or be pulled into a tub or sink.
3. Do not place in, drop or submerge in water or other liquid.
4. Do not reach for unit that has fallen into water. Unplug immediately.
5. Care should be taken so that objects do not fall and liquids are not spilled onto the unit.

## **WARNING**

1. Close supervision is necessary when this appliance/product is used by or near children or mentally disabled individuals.
2. Use this unit only for its intended use as described in this manual.

3. Unplug this unit during lightning storms or when unused for long periods of time.
4. Never drop or insert an object into any opening.
5. Protect the adapter cord from being walked on or pinched, particularly at plug outlets, convenience receptacles and the point where it exits the base.
6. Do not allow the cord to touch hot surfaces. Wrap cord loosely around the base when storing.
7. The unit should be situated away from direct sunlight or heat sources such as radiators, electric heaters, heat registers, stoves, or other units (including amplifiers) that produce heat. Avoid placing on top of stereo equipment that radiates heat.
8. Never block the air openings of the unit with materials such as clothing, plastic bags or papers, or place it on a soft surface such as a bed or couch, where the air openings may be blocked.
9. Do not overload electrical outlet. Use only the power source as indicated.
10. Never use the base to recharge the units if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged, or dropped into water. If the base's adapter cord or plug is damaged, do not attempt to fix it yourself.
11. To avoid the risk of electric shock, do not disassemble or attempt to repair the unit. Incorrect repair can cause risk of electric shock or injury to persons when unit is used.
12. Do not operate in the presence of explosive and/or flammable fumes.
13. Never remove the adapter from the socket by pulling the cord.

## FCC INFORMATION

Your walkie-talkies operate on General Mobile Radio Service (GMRS) frequencies and are subject to the Rules and Regulations of the Federal Communications Commission (FCC). The FCC requires that all operators using GMRS frequencies obtain a radio license before operating their equipment. To obtain the FCC forms, please request Form 605 and 159, which includes all of the forms and instructions you will need.

To reach the FCC Fax-on-Demand system, dial 1-202-418-0177. For mail service, call the FCC Forms hotline at 1-800-418-FORM (3676). If you have questions about the FCC license call the FCC at 1-888-CALL-FCC (225-5322). You may also visit the FCC's website at [www.fcc.gov](http://www.fcc.gov).

Changes or modifications not expressly approved by the manufacturer may void the user's authority granted by the FCC to operate these radios and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This equipment may not cause harmful interference.
2. This equipment must accept any interference received, including interference that may cause undesired operation.

Modifications not authorized by the manufacturer may void the user's authority to operate this device.



## **BATTERY PRECAUTIONS**

- Dispose of this product as you would a battery.
- Do not dispose of this product in a fire.
- The internal rechargeable battery within each walkie-talkie may explode if mistreated.
- Do not attempt to disassemble the walkie-talkie to access the battery.

## **SAFETY INFORMATION**

### **INTENDED USE**

These walkie-talkies have been conceived for communication with other walkie-talkies complying to the same standards. Any other use is considered unintended use. Unauthorized modification or reconstruction is not permitted. Under no circumstances should you open the devices or complete any repair work yourself.

### **AMBIENT CONDITIONS**

- Prevent excessive exposure to smoke, dust, vibration, chemicals, moisture, heat and direct sunlight.
- Do not use the walkie-talkies in potentially explosive areas.

### **POWER ADAPTER PLUG**

**Attention:** Only use the power adapter plug supplied because other power supplies could damage the walkie-talkies. Ensure that access to the power adapter plug is not obstructed by furniture, rugs or curtains.

Attention: As soon as the power supply is connected, the jack plugs must not come into contact with each other or with other metallic objects.

## MEDICAL EQUIPMENT

Attention: Never use the walkie-talkies in the vicinity of medical equipment. walkie-talkies can cause an unpleasant humming sound in hearing aids.

## DISPOSAL

You are obliged to dispose of consumable goods according to legal requirements. The adjacent symbol indicates that electrical and electronic apparatus and batteries no longer required must be disposed of separate from domestic waste.

Electrical and electronic devices must be disposed of at suitable collection points provided by the public waste authorities.

Batteries must be disposed of at the point of sale or at the appropriate collection points provided by the public waste authorities.

Packaging materials must be disposed of according to local regulations.



## LOCATION OF ICONS ON LCD SCREEN

1 Battery Capacity

2 Key Lock

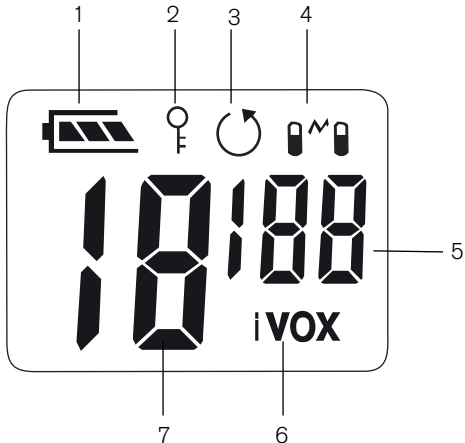
3 Channel Search

4 Confirmation Signal

5 CTCSS/CDCSS Code

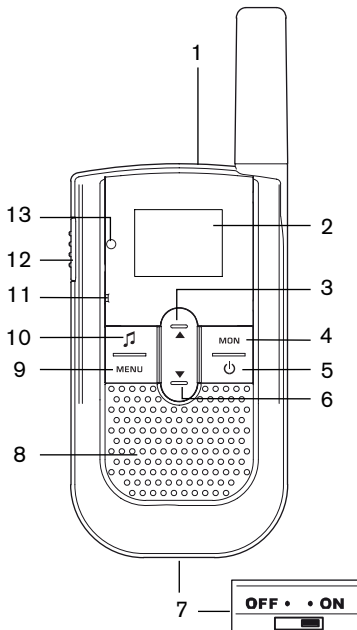
6 IVOX Mode/VOX Mode

7 Channel



# LOCATION OF PARTS AND CONTROLS

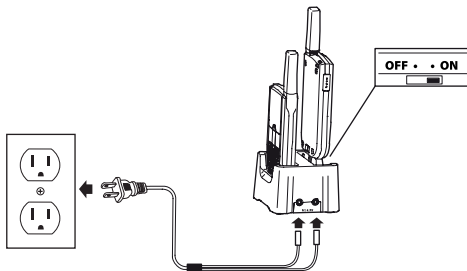
1. Headset Socket
2. Display
3. ▲ Volume + Increase
4. ↻ Channel Scan/ MON Monitor
5. Power Button
6. ▼ Volume – Decrease
7. Main Switch OFF/ON
8. Loudspeaker
9. MENU Menu/ 🔒 Key Lock
10. Transmit Call Tones
11. Microphone
12. PTT Button
13. LED, Indicator
14. Carry Case with Clip (2) (not shown)



## CHARGING THE WALKIE-TALKIES

**IMPORTANT:** Charge the walkie-talkies for at least 18 hours before first use.

1. Slide the MAIN ON/OFF switch to ON.
2. Connect the Adapter to the charging station and then to an electrical outlet and dock the walkie-talkies in the charging station (see below). Ensure the contacts on the walkie-talkies are engaged with the base contacts.



3. When the walkie-talkies are connected correctly, the red LEDs on the adapter will illuminate. When the walkie-talkies are fully charged the red lights will shut off.

**Note:** Your walkie-talkies will not transmit at all during charging.

**Important:** Do not charge the walkie-talkies with charging units from other manufacturers. For optimal battery life, remove the radio from the charger after fully charged.

3. The current battery charge status is indicated in the display as depicted below:



Full



Half Empty



Low



Empty

4. The walkie-talkies need to be recharged as soon as the low battery indicator flashes on the display and an acoustic warning signal is heard.

## **USING THE WALKIE-TALKIES**



### **TURNING THE WALKIE-TALKIES ON**

1. Slide the MAIN ON/OFF switch on the underside of the walkie-talkie to ON, then press and hold the POWER button on the front to turn the unit on.
2. When you have fully activated the walkie-talkie, a beep tone is heard. The channel and code used last will display and the red LED flashes on the LCD screen.


### **TURNING THE WALKIE-TALKIES OFF**

1. Press and hold the POWER button on the front of the walkie-talkies to turn the unit off.
2. If the walkie-talkie is going to be idle for a longer period, slide the MAIN ON/OFF switch to OFF. If the MAIN ON/OFF switch is off for an extended period, the channel and code will return to its default setting.

## VOLUME CONTROL

Press the  or  buttons to raise or lower the volume. The volume has 16 levels of sound.


## TRANSMITTING

1. Press and hold the  button, the Transmit LED lights up.
2. Hold the walkie-talkie approximately 2 to 3 inches from your mouth and speak clearly in a normal volume.

**Note:** If the button is pressed longer than 60 seconds, a warning signal is issued and transmission is interrupted.

## RECEIVING





Radio signals will be received automatically, without any action.

**IMPORTANT:** No incoming transmission will occur while the  button is being pressed.

## RADIO CHANNELS

Radio Channels: In order to talk to other subscribers, the respective walkie-talkies must be set to the same channel code.

There are 22 radio channels available in the frequency range between 462.5625 MHz and 467.7125 MHz.

To choose a channel, press the  button once and scroll through the channels using the  or  buttons and press  to conform your choice.

See the chart below for number sequence of channels available:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250







## RADIO CODES

CTCSS<sup>1</sup>/CDCSS<sup>2</sup> codes: In order to communicate using the walkie-talkies, they also must be set to the same CTCSS/CDCSS code.

There are 38 analog (CTCSS 1 – 38) and 83 digital (CDCSS 39 – 121) codes available per channel. The voice communication is only transferred to the receiving device's loudspeaker when the channel and the code that it is set on is identical to that received.

**Note:** If there is someone other than yourself and the person you are directly communicating with using the same channel and code and interfering with your transmissions, both you and the person you are communicating with need to switch to a free matching channel.


To choose a code, press the  button twice, scroll through the channels using the  or  buttons and press the  button to confirm your choice.

If you want to communicate with walkie-talkies which are not using a CTCSS/CDCSS code, you must select CTCSS/CDCSS code 0 (zero) on your walkie-talkie.

1 CTCSS: Continuous Tone Coded Squelch System = Selective call

2 CDCSS: Continuous Digital Coded Squelch System = Selective call

## SCANNING FOR A CHANNEL

Press the **MON** button to begin scanning for a channel. Signals are searched for in all twenty-two channels in a continuous cycle. The  appears on the display during the search. If an active channel is detected, the channel scan stops. The red LED flashes every second. Press the **PTT** button to enable radio communication on that particular channel. If the **PTT** button is not pressed, the channel scan resumes after five seconds.

## START/END GLOBAL CHANNEL SCANNING

To execute a “global channel scan”, set the CTCSS/CDCSS of the output channel to 0 (zero). The scan stops at every channel on which a signal is received, regardless of the code transmitted with the signal.

Press the **MON** button to begin and end scan.

**Note:** The output channel is the channel which is set when the channel scan is activated.

## START/END SPECIFIC CHANNEL SCANNING



To execute a “specific channel scan”, set the CTCSS/CDCSS code for the output channel to an individual code. The scanning routine only stops when a signal is received on a channel that matches the code set.

Press the **MON** button to begin and end scan.

If a certain channel should be scanned fully during a “specific channel scan”, the code must be set to 0 (zero) for this channel.

## EXCLUDING A CHANNEL


If you don't want to use a channel found during the channel scanning process, it can be excluded.

While the unwanted channel is showing on the LCD screen, press and hold either the  or  button for 3 seconds to exclude that channel.

**Note:** When a new channel scan is started, all channels are taken into consideration again.





## TRANSMIT RINGING TONE

The ringing tones indicate to other subscribers that you want to talk to them. The other subscribers must be using the same channel and CTCSS/CDCSS code to hear the ringing tone.

Press the  to send ringing tones.

## SELECTING/DEACTIVATING THE RINGING TONE


There are 10 ringing tones available for selection. To deactivate the ringing tone function completely, select "0" (zero).

To choose a tone, press the  button 3 times to activate the programming mode, scroll through the channels using the  or  buttons and press the  button to confirm your choice.

## MONITOR


The Monitor function cancels the squelch and enables you to search for weak signals on the channel currently set. If you receive an external signal, switch to a free channel. Always communicate with other subscribers on a free channel to prevent interference.

Press and hold the  button to monitor the channel.

Release the  button to end the monitoring channel function

## KEY LOCK

The key lock function prevents settings from being altered by accident.


To activate the Key Lock setting, press the  button for 3 seconds.


When the key lock function is activated, the  appears in the display.




To deactivate the Key Lock setting, press the MENU button for 3 seconds.


When the key lock function is deactivated, the  disappears from the display.


## CONFIRMATION SIGNAL

The confirmation signal is issued on releasing the  button. This indicates to the caller that you have ended transmission.

To activate or deactivate the confirmation signal, turn the walkie-talkie off by pressing the  button for 3 seconds.

Press and hold the  button, and while still holding the  button, press and hold the  button again to turn the unit on.



If the confirmation signal is activated, the  appears on the LCD screen.

If the confirmation signal is deactivated, the  will not appear.

## HEADSET USE (headset not included)





You can put the walkie-talkie in your breast pocket, for example, so that both hands are free.

Use the headset with the walkie-talkie:

1. Press the  button to turn the walkie-talkie off before connecting a headset.
2. Insert the plug on the headset in the connection socket.
3. Press the  button to turn the walkie-talkie on.

## AUTOMATIC DEACTIVATION

1. The walkie-talkies can be set up so that they are automatically switched off after a certain time. It can be set to 30, 60 or 90 minutes. The function is deactivated when the “zero” setting is selected.

To engage the automatic deactivation function, press the  button 5 times to activate the programming mode, scroll through the time choices using the  or  buttons and press the  button to confirm your choice.

## USING VOX<sup>1</sup>/IVOX<sup>2</sup> (HANDSFREE)

When this function is active, the walkie-talkie automatically starts to transmit when the unit detects your voice or a sound. When you start to speak, there is a slight delay before the walkie-talkie starts to transmit.

### ACTIVATING VOX MODE

Conversation is carried out via the headset when using the handsfree function in VOX mode.

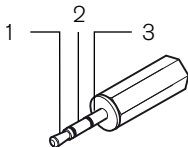
Use your own headset (without a PTT button) equipped with a 3-pin, 2.5 mm stereo jack plug (see below).

Pin assignment :

1 = Loudspeaker,

2 = Microphone,

3 = Ground




Use your own headset with the walkie-talkie:

1. Switch the walkie-talkie off before connecting a headset.
2. Insert the plug on the headset in the connection socket.
3. Switch the walkie-talkie on and "VOX" appears on the LCD screen.


1 VOX: Voice Operated Transmission = Noise detection

2 iVOX: Intelligent Voice Operated Transmission = Noise detection




## DEACTIVATING VOX MODE

To deactivate VOX mode, pull the headset plug out of the connection socket or press the  button.

## ACTIVATING iVOX MODE


When using the hands free function in iVOX mode, conversation is carried out via the walkie-talkie, however, the  button on the walkie-talkie does not need to be pressed to transmit.

To activate the iVox function Press the  button to turn the walkie-talkie off.

Press and hold the  button, and while still holding the  button, press and hold the  button again to turn the unit on.

The “iVox” icon appears on the LCD screen.





## DEACTIVATING iVOX MODE

To deactivate the iVOX function, Press the  button to turn the walkie-talkie off and then turn it on again. This will cancel out the iVox function.



## SELECTING VOX/iVOX SENSITIVITY

There are three sensitivity levels available for operation in VOX/iVOX mode and can be selected according to the ambient noise.

Level 1 is for high ambient noise (excessive background noise) Level 2 is for medium ambient noise (normal background noise) and Level 3 is for low ambient noise (very quiet background noise).

To reach the VOX/iVOX menu, press the  button 4 times to activate the selection mode, scroll through the levels using the  or  buttons and press the  button to confirm your choice.

## TROUBLESHOOTING

ISSUE	SOLUTION
Equipment does not function properly.	Walkie-talkie has not been charged. The key lock function has been activated.
Transmission is not possible.	Fully depress the  button to transmit. The channel may be being used by other parties. Change the channel on your walkie-talkie set.
No reception.	Release  button. Volume setting button is too low. You are outside the range of reception, change your position. Obstructions such as trees and buildings impair the range. CTCSS/CDCSS code set is not identical to that of the other walkie-talkie. Channel is being used by other parties.



## SPECIFICATIONS

Power (ERP).....	0.5 W
Range.....	Up to 15 miles under optimal conditions*
Total operating time.....	Up to 10 h (Based on 5% transmit, 5% receive and 90% standby time)
Maximum talk time .....	Up to 36 continuous minutes
Charging time (double charging station).....	Min. 18 hours
Rechargeable battery (internal).....	3.7 V Li-ion Battery, 700 mAh
Power supply:.....	120 V, 60 Hz Output: 5 V, 80 mA

\* The maximum range is with ideal conditions and an unobstructed line of sight. The actual range will vary and be limited by weather conditions, interference, terrain and obstructions.

# ONE (1) YEAR LIMITED WARRANTY

Brookstone® warrants this product against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, at its option, Brookstone will either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a new product that is at least functionally equivalent to the original product, or 3) provide a store credit in the amount of the purchase price of the original product. A replacement product or part, including a user-installable part installed in accordance with instructions provided by Brookstone, assumes the remaining warranty of the original product. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Brookstone's property. When a store credit is given, the original product must be returned to Brookstone and becomes Brookstone's property.

**Obtaining Service:** To obtain warranty service, call Brookstone Limited Warranty Service at 1-800-292-9819. Please be prepared to describe the product that needs service and the nature of the problem. A purchase receipt is required. All repairs and replacements must be authorized in advance. Service options, parts availability and response times will vary. You are responsible for delivery and the cost of delivery of the product or any parts to the authorized service center for replacement, per our instructions.

**Limits and Exclusions:** Coverage under this Limited Warranty is limited to the United States of America, including the District of Columbia and the U.S. Territories of Guam, Puerto Rico, and the U.S. Virgin Islands. This Limited Warranty applies only to products manufactured for Brookstone that can be identified by the "Brookstone" trademark, trade name, or logo affixed to them or their packaging. The Limited Warranty does not apply to any non-Brookstone products. Manufacturers or suppliers other than Brookstone may provide their own warranties to the purchaser,

but Brookstone, in so far as permitted by law, provides these products “as is.” This warranty does not apply to: a) damage caused by failure to follow instructions relating to product’s use or the installation of components; b) damage caused by accident, abuse, misuse, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not a representative of Brookstone; d) accessories used in conjunction with a covered product; e) a product or part that has been modified to alter functionality or capability; f) items intended to be periodically replaced by the purchaser during the normal life of the product including, without limitation, batteries or light bulbs; g) any product sold “as is” including, without limitation, floor demonstration models and refurbished items; or h) a product that is used commercially or for a commercial purpose.

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Some states disallow the exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

# Brookstone®

A WORLD OF INNOVATION

Since 1965, people have come to Brookstone to see what's new, discover smart solutions to everyday problems—and have some fun. At Brookstone, we believe there's always a better way to do things. And we created a world of innovation to prove it.

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