



# Bluetooth Radio AQ90049G

## Operator's Manual

### SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.

# IMPORTANT SAFETY INSTRUCTIONS

## WORK AREA SAFETY

1. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
2. Keep your area well lit and clear of clutter that can invite accidents.
3. Do not operate products in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Products create sparks which may ignite the dust or fumes.

## PERSONAL SAFETY

1. Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the product in unexpected situations.
2. Do not use the radio to listen to music or other audio programs while operating machinery. Doing so may cause distractions that could result in serious personal injury.
3. This radio is capable of producing sound levels that can be dangerous to long-term hearing. Listening to music at high volume for any period of time may cause noise-induced hearing loss. The higher the volume, the less time required before your hearing may be affected.

## ELECTRICAL SAFETY

1. To reduce the risk of electrical shock power tool plugs must match the outlet. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). The plug is designed to fit into a polarized outlet only one way. If the plug does not fit the outlet, try reversing the plug - if it still does not, you need to find an outlet that is polarized, or contact a qualified electrician to install a polarized outlet. Don't modify the plug and don't use any plug adapters with earth grounded power tools. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
2. Avoid bodily contact with grounding services such as ranges, refrigerators, pipes, radiators; there is a higher risk of electrical shock if your body is grounded.
3. Don't expose your power tools to wet conditions or rain. Water entering a power tool will increase the risk of electrical shock.
4. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electrical shock.
5. Be sure to use electrical supplies that are suitable for the conditions. If working outdoors, use extension cords rated for outdoor use, - this reduces the risk of electrical shock.
6. If you have to work in a damp location, be sure to use a ground fault circuit interrupter (GFCI) protected supply. This will help reduce the risk of electrical shock.

## ELECTRICAL SAFETY (CONT.) - EXTENSION CORD USE

1. Make sure the cord is clear and secure - do not step on, trip or otherwise damage or stress the cord.
2. Don't use an extension cord unless you have to - use of an improper extension cord can result in fire, shock or electrocution.
3. Two-wire cords can be used with 2-wire or 3-wire extension cords. Only round jacketed U.L. (Underwriters Laboratories) listed extension cords should be used. If you are going to use an extension cord outside, make sure the cord is manufactured for outdoor use.

NOTE: Most cords used for outdoor use can also be used indoors. The letters "W" or "WA" on the cord jacket mean the cord is suitable for outdoor use.

## IMPORTANT SAFETY INSTRUCTIONS

4. An extension cord must be of the proper gauge (wire size) - AWG or American Wire Gauge to be used safely, prevent power loss, and prevent overheating. NOTE: the smaller the wire gauge number, the greater the capacity of that cable; for instance, 16 gauge has more capacity than 18 gauge. If you must use more than one extension cord, be sure each extension has at least the minimum required gaugesize.

| Recommended Minimum Wire Gauge for Extension Cords |            |            |            |             |             |             |
|----------------------------------------------------|------------|------------|------------|-------------|-------------|-------------|
| Amps from Tool Nameplate                           | 25' length | 50' length | 75' length | 100' length | 150' length | 200' length |
| 0-5 amps                                           | 16 ga.     | 16 ga.     | 16 ga.     | 14 ga.      | 12 ga.      | 12 ga.      |
| 5.1-8 amps                                         | 16 ga.     | 16 ga.     | 14 ga.     | 12 ga.      | 10 ga.      | Do Not Use  |
| 8.1-12 amps                                        | 14 ga.     | 14 ga.     | 12 ga.     | 10 ga.      | Do Not Use  | Do Not Use  |
| 12.1-15 amps                                       | 12 ga.     | 12 ga.     | 10 ga.     | 10 ga.      | Do Not Use  | Do Not Use  |
| 15.1-20 amps                                       | 10 ga.     | 10 ga.     | 10 ga.     | Do Not Use  | Do Not Use  | Do Not Use  |

### CHARGING THE TOOL

Please use the correct voltage.

### BEFORE ATTEMPTING TO CHARGE YOUR TOOL, THOROUGHLY READ ALL THE SAFETY INSTRUCTIONS.

1. The tool is not fully charged. Before first use, the tool requires 5-7 hours charge time to be fully charged. Subsequent recharging needs 3-5 hours for the tool to be fullycharged.
2. Longest life and best performance of the battery is obtained when charging between air temperatures of 41°F and 95°F (5°C - 35°C). DO NOT charge the battery in air temperatures below 41°F (5°C) or above 95°F (35°C). This is important and will prevent serious damage to the battery.
3. Never over-discharge a battery by using the tool even after tool performance has decreased. When tool performance begins to diminish, stop the tool and recharge the battery for optimal performance.
4. Allow the tool to cool down after use; avoid placing the charger and tool in a warm environment.
5. The charger and battery may become warm to touch while charging. This is normal and does not indicate a problem.
6. Batteries will reach full performance after about five charge/discharge cycles.



**Caution:** Place and charge the tool on a dry reproof location in a room where the temperature is from +41°F (5°C)–95°F (35°C). During charging, the tool and power supply become warm when you touch it. This is a normal condition, and does not indicate a problem. Always unplug the power supply when charging completed. Be sure the tool is cool before using it.

# SAFETY PRECAUTIONS FOR JOBSITE RADIO

## POWER TOOL USE AND CARE

1. When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns, or a fire.
2. Keep the radio and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean the radio. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
3. Battery products do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery product or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
4. Do not place battery products or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
5. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
6. Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
7. Do not charge battery product in a damp or wet location. Following this rule will reduce the risk of electric shock.
8. For best results, your battery product should be charged in a location where the temperature is more than 50°F but less than 100°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
9. Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
10. To reduce the risk of personal injury and electric shock, the product should not be played with or placed where small children can reach it.
11. Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

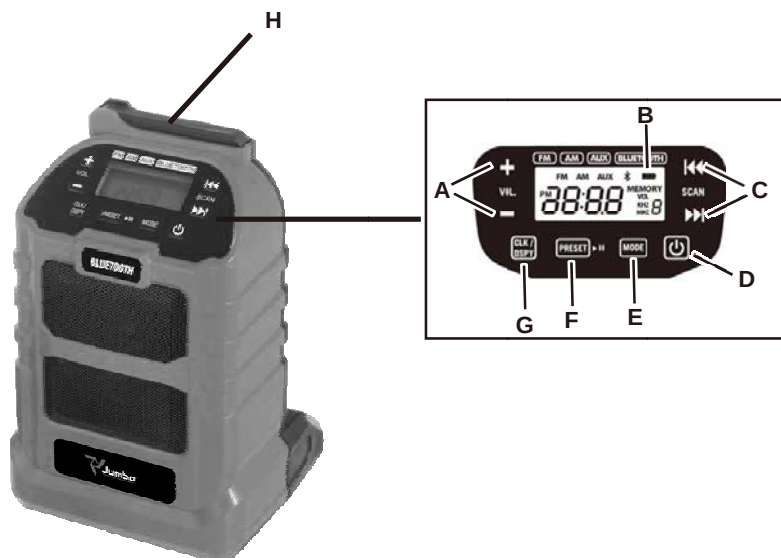
## SPECIFICATIONS

- Rate Voltage: 20V Max
- Modes: FM/AM/Aux-in/Bluetooth
- 3-5 hours charging time

### Includes:

- 1 - 20V Jobsite Radio
- 1 - 20V Max Lithium Ion Battery
- 1 - 3~4 Hour Charger
- 1 - AC Wall Adaptor

## FUNCTIONAL DESCRIPTION



- A- Volume buttons
- B- battery indicator
- C- Scan button
- D- On/Off button
- E- Mode
- F- Preset
- G- Clock/display button
- H- Antenna

## OPERATION

### BATTERY PACK



#### WARNING:

1. The battery is not fully charged. Before first use, the battery pack requires 5-7 hours charging time to be fully charged. Subsequent recharging needs 3-5 hours for the battery to be fully charged.
2. Always switch to a fresh battery when tool performance begins to diminish. Severe heat is most destructive to a battery; the more heat generated, the faster the battery loses power. A battery that gets too hot can have a shortened life.
3. Never over-discharge a battery by using the tool even after tool performance has decreased. When tool performance begins to diminish, stop the tool and recharge the battery for optimal performance.

1. Batteries will reach full performance after about five charge/discharge cycles.
2. Always have drill rotations switch in neutral/lock position when removing or inserting battery to avoid unintentional starting.
3. To remove battery pack from the tool, press the lock spring buttons and pull out.
4. To insert, simply push pack in until lock spring clicks.
5. The battery charger consists of two parts:
  - A. a switching adapter
  - B. a charging stand

## OPERATION

6. To recharge battery, connect the switching adapter/plug low-voltage lead to the charging stand.
7. Insert the switching adapter/plug into a correct household current receptacle.
8. The end of the battery pack has positive and negative terminal markings on it. Align these with the identical markings on the top of the charging stand and insert pack into base. (Pack will not insert properly if reversed)
9. The green light is the charge indicator. When the charger is connected to AC household current, the green light is on.
10. The green light is the power indicator. When the battery is properly inserted into the charger and charging, the red light is on.
11. Normal charging time is 3 to 5 hours. The charger will charge the battery at the normal rate until charging is complete. The red light will turn off once charging is complete. After the battery is fully charged according to the charging time provided in the instructions, remove the battery pack from the charging stand immediately. Battery temperature will cool to normal.
12. When charging more than one battery pack, allow 15 minutes between charges.
13. After many charge/discharge cycles, your battery will lose its ability to hold a charge. It should then be replaced. Dispose of batteries at an appropriate waste disposal facility. Do not throw batteries away in common trash receptacles.

### WARNING:

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.



### WARNING:

Always remove the battery pack from the product when you are assembling parts, cleaning, or when not in use. Removing these energy sources will prevent accidental starting that could cause serious personal injury.



### WARNING:

The radio is not waterproof. Do not submerge in liquid. Failure to heed this warning could result in serious personal injury.



### NOTICE:

Always refer to the manual for any device recommended for use as an attachment or accessory. Proper use of any device, when attached to the radio, is the sole responsibility of the operator. Improper use may damage the device or the product.



### WARNING:

This radio is capable of producing sound levels that can be dangerous to long-term hearing. Listening to music at high volume for any period of time can cause noise-induced hearing loss. The higher the volume, the less time required before your hearing could be affected.



## INSTALLING/REMOVING AAA BATTERIES

It is advisable to write down saved channels before replacing the AAA batteries. There is a 15-second time frame for replacing the AAA batteries. If the batteries are not replaced within 15 seconds, the radio will lose all settings previously stored in memory, and they will require reprogramming. Always use new alkaline batteries for replacement.

**WARNING:**

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

1. Remove the battery pack, if installed.
2. Loosen the screw in the battery door. Remove door and set aside.
3. Install two new AAA batteries according to polarity indicators inside the battery compartment.

**NOTE:** Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

4. Replace the battery door and tighten screw to secure.

**FOLD-DOWN FLEXIBLE ANTENNA**

To decrease interference or electrical noise, extend the antenna or move the radio to a higher elevation. The antenna folds down and out of the way when not in use.

**LCD DISPLAY**

When a battery pack is installed and the radio is in the ON position, the LCD display will show the time, frequency, mode, and settings. When the battery pack is removed and AAA batteries are installed, the LCD display will display the time only.

**NOTE:** The illustrations of the LCD display shown in this manual are only examples of the frequencies you may see on your radio and are not the exact frequencies that you may choose to listen to.

**MENU NAVIGATION BUTTONS**

Use the menu navigation buttons to turn the radio on and off, control the volume, change frequencies, toggle between modes and set the time.

**TURNING THE RADIO ON AND OFF:**

Press the power button to turn the radio ON and OFF.

When the radio is on and a battery pack is installed, the battery symbol will be shown in the LCD display. If the battery charge is low, a flashing low battery indicator will be displayed.

**ADJUSTING THE VOLUME:**

When the radio is turned ON, the unit will return to the last volume setting used.

1. To increase the volume, press the VOL + button.
2. To decrease the volume, press the VOL – button.

**MODE SELECTION:**

Press the MODE button to cycle through available modes. There are four modes to choose from:

1. FM mode
2. AM mode
3. AUX mode
4. BLUETOOTH® mode

**NOTE:** When turned on, the radio will return to the last mode that was used if the battery was not disconnected. In the event power is lost to the radio, the display will default to FM mode.

**FM/AM TUNING:**

The SCAN left and right arrow buttons are used to tune to the desired radio frequency. The selected frequency is displayed on the LCD.

1. Press and release the left arrow button to tune to a lower frequency. Press and release the right arrow button to tune to a higher frequency.



## OPERATION

1. Briefly push either button (not press and hold) to tune one frequency step at a time.
2. To decrease interference or electrical noise, adjust the position of the antenna or move the radio to a higher elevation.

### STORING A PRESET IN MEMORY:

The memory feature saves up to 20 frequencies as presets in the radio's memory. You can save up to ten (10) frequencies each for FM and AM modes.

1. Tune to the desired FM or AM frequency.
2. Press and hold the PRESET button until the word "MEMORY" and the preset position number flash on the screen.

3. Press the SCAN left and right arrow buttons to choose a preset position number.

**NOTE:** There are ten (10) preset positions for FM and ten (10) for AM. Only one station can be saved in each preset position.

4. Press the PRESET button again to store the frequency.

### TO TUNE TO PRESETS (FM OR AM MODE):

1. Press and release the PRESET button to cycle through each preset position number and its associated frequency.

### EQUALIZER FUNCTION

#### To adjust the bass and/or treble settings:

1. Press and hold the MODE button until the letter "b" (BASS) is displayed. Press again and the letter "t" (TREBLE) is displayed.
2. Press the VOL + or VOL – button until the desired bass or treble level (–5 to 5) is achieved. Press MODE to store your selection.

### SETTING THE CLOCK:

The time appears on the LCD display when the radio is on.

1. Press and hold the CLK/DSPY button until the "hour" display blinks.
2. Press the VOL + or VOL – button to select the hour.

**NOTE:** Time is displayed in 12-hour format only. To select an hour that is after noon and before midnight, cycle the hours until "PM" appears in the display.

3. Press and release the CLK/DSPY button to lock in the hour setting. "Minutes" will begin to blink.
4. Press the VOL + or VOL – button to select the desired number.
5. Press and release the CLK/DSPY button again to confirm the time.

### USING A PHONE/MP3 PLAYER (NOT INCLUDED) WITH THE RADIO

1. Press the MODE button until AUX mode is highlighted.
2. The retainer strap may be used to secure the device in position.
3. Connect auxiliary cable (not included) to the device.
4. The phone/MP3 player must be on and in play mode for sound to be heard through the speakers.
5. All phone/MP3 player controls can be used normally while connected to radio.

**NOTE:** Volume for any device connected through the auxiliary cable can be adjusted using the volume control for that device or by using the radio's VOL + or VOL – button.

1. Turning the radio off will NOT turn the phone/MP3 player off.
2. The auxiliary cable DOES NOT provide charging function.
3. For complete operating instructions for the connected device, always refer to the manual that was included with your device.

### USING A BLUETOOTH® ENABLED DEVICE (NOT INCLUDED) WITH THE RADIO

1. Press the MODE button until the BLUETOOTH® mode is highlighted.
2. When the radio is switched to BLUETOOTH® mode, the unit will attempt to pair to a BLUETOOTH® enabled device and "bt" will flash in the LCD display.

**NOTE:** The radio will automatically attempt to connect to the last device it was paired to. If a connection cannot be established within five seconds, the radio will make itself available to other BLUETOOTH® enabled devices.

3. BLUETOOTH® enabled devices must be within 30 ft. of the radio and set to search/scan in order to pair with the radio.
4. Select "radio" from your device's list of available BLUETOOTH® signals to pair the device and the radio. No password or PIN is required for connection.



## OPERATION

5. When the device has successfully paired with the radio, "bt" will stop flashing.

**NOTE:** When a device is paired to the radio, information for connecting to the device is saved in the radio's memory.

6. When streaming audio from a BLUETOOTH® enabled device, press the SCAN left and right arrow buttons to go to the previous or next track. Briefly press and release the PRESET button to cycle between pausing and playing the audio.

**NOTE:** These controls may not be supported by the BLUETOOTH® device and/or application you are using.

7. All BLUETOOTH® enabled device controls can be used normally while paired to the radio.

**NOTE:** Volume for any device paired to the radio can be adjusted using the volume control for that device or by using the radio's VOL + or VOL – button.

8. To disconnect the BLUETOOTH® enabled device, press and hold the PRESET button. When the device is disconnected, "bt" will begin flashing in the LCD display and the radio will begin searching for another device.

### USING THE USB DEDICATED CHARGING PORT

The USB dedicated charging port provides charging power of 5 Volts DC at up to 2.1 Amp for your cell phone, MP3 player, or other USB devices.

#### NOTICE:

Attempting to charge devices rated more than 1 Amp, such as a tablet, could damage the USB dedicated charging port and/or the device.

1. Connect one end of a USB cable (not provided) to your USB device.
2. Connect the other end of the USB cable (not provided) to the USB dedicated charging port to begin charging the device.

**NOTE:** The USB dedicated charging port provides power only; it does not provide any data communication capabilities.

## MAINTENANCE

1. Disconnect the radio from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the radio using a cloth. Do not use water or any cleaning solutions.
2. Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the radio. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.
3. NEVER spray or in any other way apply lubricants or cleaning solvents inside the tool. This can seriously affect the life and performance of the tool.
4. Use only mild soap and damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

## TROUBLESHOOTING

| PROBLEM                                                                                   | CAUSE                               | SOLUTION                  |
|-------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|
| The radio does not work                                                                   | The 18/20V battery pack is depleted | Charge the battery pack   |
| The radio lost clock memory and preset channels after the 18/20V battery pack is removed. | The AAA size batteries are depleted | Replace the AAA batteries |

## FCC Statement

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.

Note: 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 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 separation between the equipment and receiver.
  - Connect the equipment into 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.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.