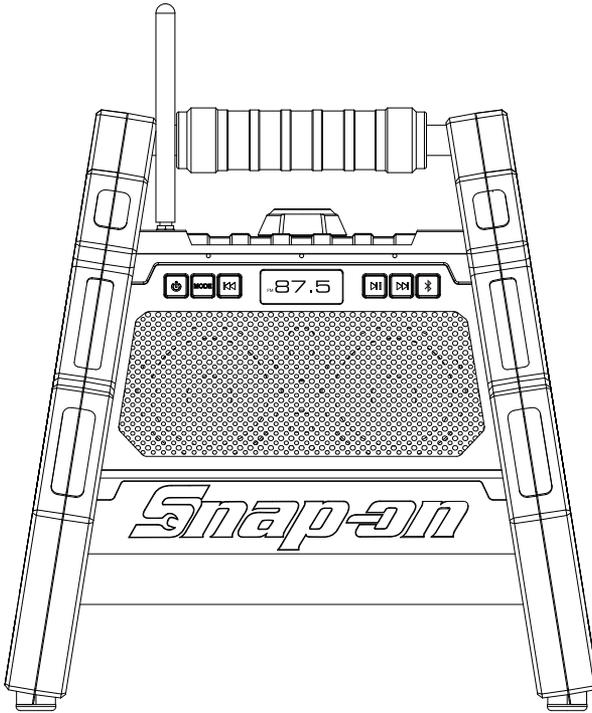


Snap-on



CTBTSR9050

**18V Cordless
Radio/BlueTooth Speaker**



- EN** ORIGINAL INSTRUCTIONS
- FR** TRADUCTION DES INSTRUCTIONS ORIGINALES
- ES** TRADUCCIÓN DE LAS INSTRUCCIONES ORIGINALES

READ AND SAVE THESE INSTRUCTIONS

LIRE ET SAUVEGARDER CES INSTRUCTIONS

LEA Y CONSERVE ESTAS INSTRUCCIONES



**18V Cordless
Radio/BlueTooth Speaker**

Safety Messages

Snap-on Tools Company provides safety messages to cover reasonable situations that may be encountered when operating, servicing or repairing cordless tools. It is the responsibility of operators and servicing technicians to be knowledgeable about the procedures, tools and materials used, and to satisfy themselves that the procedures, tools and materials will not compromise their safety, that of others in the work place or the tool.

**General Power Tool
Safety Warnings**



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**SAVE ALL
WARNINGS AND
INSTRUCTIONS FOR
FUTURE
REFERENCE**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- **Do not operate power tools in explosive atmospheres,** such as in the presence of flammable liquids, gases, or dust. *Power tools create sparks which may ignite the dust or fumes.*
- **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*

- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of a RCD reduces the risk of electric shock.*

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- **Use personal protective equipment. Always wear eye protection.** *Personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

Power tool use and care

- **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

Battery tool use and care

- **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury or fire.
- 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 burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.



Power tools generate noise.

Wear hearing protection, user and bystanders.

Prolonged exposure to noise can cause hearing loss.



Power tools vibrate.

- Avoid prolonged exposure to vibration, repetitive motions and uncomfortable positions.
- Stop using the tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use. Prolonged exposure to vibration, repetitive motions and uncomfortable positions can cause injury.

Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Specific Safety Rules

- Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Sudden changes in motion or position can occur while using the tool.

- Anticipate and be alert for changes in motion during start up and operation.
- Maintain a secure grip.
- Anticipate reaction force. Adjust your stance and hold tool securely.
- Observe the position of the reverse mechanism before operating the tool and be aware of rotation direction when you press the trigger. Sudden changes in motion or position can cause injury.



Improper use of power tools and accessories can cause broken tools.

- Read instructions before operating power tools.
- Be sure these instructions accompany the tool when passed from one user to a new or inexperienced user.
- Do not remove any labels. Replace all damaged labels.

Broken tools can cause injury.



Risk of contamination from hazardous dust.

- Wear an approved dust mask or respirator when using power tools that create dust.
- Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

Inhaling hazardous dust can cause injury.



Power tools can cause flying particles during use.

Wear safety goggles, user and bystanders.

Flying particles can cause injury.



Risk of entanglement.

- Keep body parts away from rotating parts.
- Wear protective hair covering to contain long hair.
- Keep handle dry, clean and free from oil and grease.
- Do not lock or tape the trigger in the ON position.
- Remove battery pack before changing accessories.

Entanglement can cause injury.



- Do not use the tool if it vibrates too much, makes unusual noises, has loose parts, or shows any other signs of damage.
- If the tool malfunctions, discontinue use and immediately arrange for service and repair.
- Do not lubricate or clean tools with flammable or volatile liquids such as kerosene, gasoline, diesel, or jet fuel.

Battery Pack Safety Messages

WARNING



Risk of explosion or fire.

- Do not store the tool and battery in locations where the temperature may reach or exceed 120°F (49°C).
- **CTC720 Rev. B, CTC720 Rev. C, CTC131, CTC123 chargers will not charge battery when temperature is below 32°F (0°C) or above 113°F (45°C).**
- Do not incinerate the battery, even if severely damaged or completely exhausted. The battery may explode in fire.
- Cover the battery pack terminals with heavy adhesive tape after removing the battery pack.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not charge battery pack using an engine generator or DC power source.
- Charge battery pack in a well ventilated area.

Explosion or flames can cause injury.



Risk of electric shock.

- Do not disassemble the battery.
- Do not short circuit the battery.
- Charge battery pack only with Snap-on brand chargers for specified battery packs.
- Disconnect battery pack when not in use, before servicing and when changing accessories.
- Do not charge battery pack using an engine generator or DC power source.

Electric shock or fire can cause injury.



Risk of burn.

- Battery leakage may occur under conditions of extreme usage or temperature.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.*
- Ensure the switch is in the off position before inserting battery pack. *Inserting the battery pack into power tools that have the switch on invites accidents.*
- When battery pack is not in use, do not place it in a clothing pocket. *Battery leakage or sparks may cause burns or fire.*



Risk of short circuit and fire.

- Do not short battery pack.
- Do not touch the terminals with any conductive material.
- Avoid storing battery pack with conductive materials such as nails, screws, coins, and other metallic objects.
- Do not carry battery pack in aprons or pockets that contain conductive objects. *Short circuit can cause fire and severe burns.*

Safety Rules for Battery Disposal



The **RBR**™ Seal on the lithium-ion battery contained in this product indicates that **Snap-on** is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life.

Snap-on's involvement in this program is part of its commitment to protecting our environment and conserving our natural resources.

WARNING



Risk of explosion or fire.

Do not throw away used batteries! Return your battery to a **Snap-on** authorized repair center for recycling. *Explosion or flames can cause injury.*



Risk of fire.

- Do not attempt to disassemble the battery or remove any component projecting from the battery terminals.
- Prior to recycling, protect exposed terminals with heavy insulating tape to prevent shorting. *Fire can cause injury.*

Battery Charger Safety Messages

WARNING



Risk of electric shock and fire.

- Do not insert battery pack into charger if case is cracked or damaged. *Electric shock and fire can cause injury.*
- To reduce the risk of electric shock, this power cord (for USA version) has a polarized plug, (one blade is wider than the other.) This plug will fit in on a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug; if it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
- Use the CTC720 Rev. B, CTC720 Rev. C, CTC131, CTC123 chargers only with the CTB185/CTB8185 rechargeable battery packs; Charging of any other types of batteries may cause batteries to burst, causing injury and damage.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.*
- Never attempt to connect two chargers together.
- Do not expose charger to rain or snow.
- Pull by plug rather than cord when disconnecting charger.
- Be sure the cord is not stepped on, tripped over, damaged, or stressed.



Risk of explosion.

Wear safety goggles, user and bystander.

Explosion can cause eye injury.



Improper use of power tools and accessories can cause broken tools. **Before using charger, read all instructions and cautionary markings on the charger, battery, and product using battery.**
Broken tools can cause injury.



Risk of electric shock and fire.

IMPORTANT SAFETY INSTRUCTIONS

DANGER—TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

1. This manual contains important safety and operating instructions for the Snap-on CTC720 Rev. B, CTC720 Rev. C, CTC131, CTC123 Charger.
2. Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using battery.
3. **CAUTION**—To reduce risk of injury, charge only CTB185/CTB8185 type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain, moisture, or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce the risk of damage to cord, pull by the plug rather than the cord when disconnecting the charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. Do not operate the charger with damaged cord - replace it immediately.
 - Cord replacement for CTC720 Rev. B, CTC720 Rev. C, CTC131, CTC123 charger must be done with identical **Snap-on** cord
9. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service person.
10. Do not disassemble charger; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
11. To reduce risk of electric shock, unplug charger before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
12. The charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the charger by a person responsible for their safety.
13. Children should be supervised to ensure that they do not play with the appliance.
14. Do not recharge non-rechargeable batteries.
15. Never attempt to connect two chargers together.
16. Have your charger serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the charger is maintained.

17. For the location of the nearest Snap-on repair center, please call Snap-on customer service at 1-877-762-7664.
18. To reduce risk of battery explosion, follow these instructions and those marked on the battery.
19. Never smoke or allow an open spark or flame in the vicinity of the battery or engine.
20. Never charge a frozen battery.
21. Do not operate charger in a closed-in area or restrict ventilation in any way.
22. Do not use an extension cord unless absolutely necessary. If an extension cord must be used, make sure that the:
 - Pins on the plug of the extension cord are the same number, size and shape of those of the plug on the charger,
 - Extension cord is properly wired and in good electrical condition, and
 - Wire size is large enough for AC ampere rating of charger as follows

100-120 Volt Charger Cord Length (feet)	Wire Size (AWG)
25	18
50	18
100	18
220-240 Volt Charger Cord Length (meters)	Wire Size (mm)
50	0.75
75	1.0

Recommended Extension Cord Length

Battery Pack Specifications

Type
CTB185/CTB8185/CTB8187 Lithium-Ion

Voltage
CTB185/CTB8185/
CTB8187 18 VDC (3.6 V x 5 cell pairs)

Weight
CTB185/CTB8185/CTB8187 1.5 lbs (0.68 kg)

Charge Time
CTB185 90 min
CTB8185 60 min
CTB8187 90 min

Life
CTB185/CTB8185 1000 cycles
Note: 1 cycle=1 charge and 1 discharge

Capacity
CTB185 5.0 A•H
CTB8185 4.0 A•H
CTB8187 5.0 A•H

Discharge Temperature Range
CTB185/CTB8185 -4°F(-20°C) to 140°F(60°C)

Battery Charger Specifications

Input
CTC720 Rev. B, CTC720 Rev. C,
CTC131,CTC123 100-240V, 50/60 Hz

Output
CTC720 Rev. B, CTC720 Rev. C,
CTC131,CTC123 5.0 A
USB Power Port 5.0VDC@0.5A

Weight
All models 2.11 lbs (0.95 kg)

Charging Temperature Range
CTB185/CTB8185 32°F(0°C) to 113°F(45°C)

Adapter Specifications

Input
GM42-240150-1A 100-240Vac; 50/60Hz; 1.5A

Output 24Vdc; 1.5A

WARNING

Battery Charging

1. Insert the power cord plug into the socket of the charger.
2. Plug the other end of cord plug into power source outlet.
3. Insert battery pack in the charger. Position the battery pack so that the battery sits flush with the top of the charger.
 - The green light will start flashing. This indicates the charger is charging the battery pack.
4. The fuel gauge on the battery pack will display the charge percentage % value status. Standard fast charging time is 60 minutes.
 - When the battery is 25% charged, one light will be solid green.
5. When the fast charge is complete all (4) lights on the battery pack will be solid green indicating battery is fully charged and charger will indicate solid green light.
6. If the LED on the right hand side is flashing a yellow light then the battery pack is either hot or cold. The charger will not fast charge the battery if it is too hot or cold. The charger goes into a fast charge mode when the battery temperature is between 32°F (0°C) and 113°F (45°C).
7. If the LED on the right hand side is flashing a red light, the battery pack is faulty and the charger will not charge the battery.
8. When the fast charge is complete, battery voltage is detected by the charger and it automatically turns off to prevent an over-charge and all four lights on the battery fuel gage will be on and charger will indicate solid green light
9. The charger has one USB port, its output current is 0.5 A and output voltage is 5 VDC. Do not connect to an appliance requiring over 0.5 A.

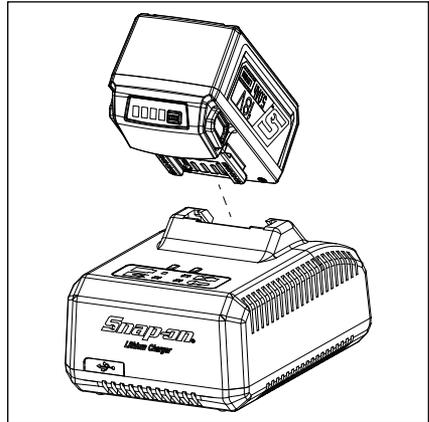


Figure 1: Inserting the Battery

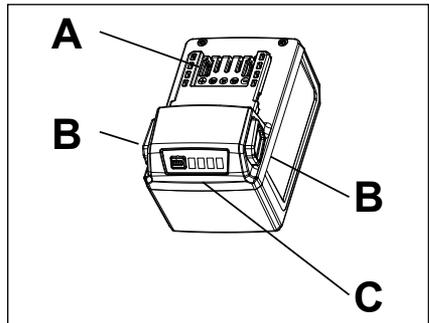


Figure 2: Battery Pack (CTB185)

- A- Terminal
 B- Latch Button
 C- Fuel Gauge

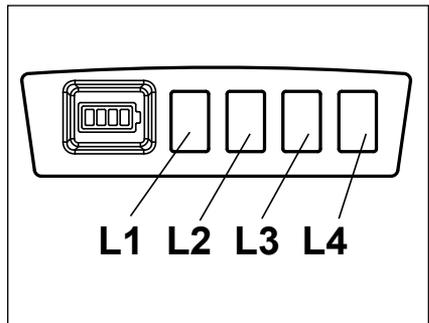


Figure 3: Fuel Gauge (CTB185)

- L1 - Solid Light 25% Charge
 L2 - Solid Light 50% Charge
 L3 - Solid Light 75% Charge
 L4 - Solid Light 100% Charge

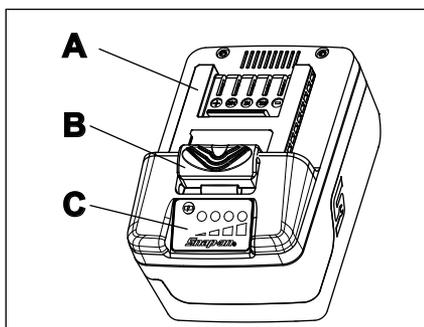


Figure 4: Battery Pack (CTB8185)

- A- Terminal
- B- Latch Button
- C- Fuel Gauge

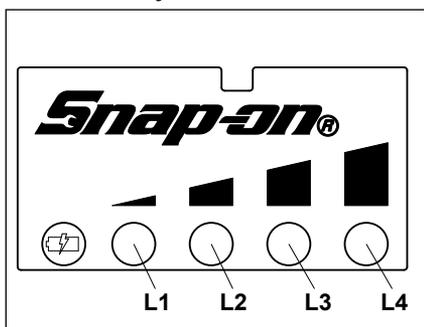


Figure 5: Fuel Gauge (CTB8185)

- L1 - Solid Light 25% Charge
- L2 - Solid Light 50% Charge
- L3 - Solid Light 75% Charge
- L4 - Solid Light 100% Charge

Battery Pack

Fuel Gauge

Press the fuel gauge button, the display lights will light up and show the battery pack's remaining capacity. The lights stay on for 5 seconds.

Note: If fuel gauge L1 is flashing, charge the battery pack.

Charge Cycle Counter

Press the fuel gauge button for ten (10) seconds to read the charge cycle counter.

Count number of flashes to figure out cycle count.

Example 1:

- L1 - Flashes one (1) time
- L2 - Flashes three (3) times
- L3 - Flashes four (4) times
- L4 - Solid Light 100% Charge L4 - Flashes five (5) times

It means battery was charged 1,345 times

Example 2:

- L1 - No flashes
- L2 - Flashes six (6) times
- L3 - Flashes seven (7) times
- L4 - Flashes eight (8) times

It means battery was charged 678 times

Battery Pack Protection

To maximize performance and battery life, the Lithium-Ion battery's protection circuit monitors battery voltage, discharge amperage and temperature. When the battery voltage falls below the usable range, the battery will shut off, and the 1st LED will flash for ten (10) seconds. The battery needs charging. If the battery's discharge amperage limit is reached, due to excessive load, the protection circuit will shut down the tool and the illumination LED will remain on until the trigger is released. Tool operation can be resumed immediately.

Cold Weather Operation

The Lithium-Ion battery can be used in temperatures down to -4°F (-20°C). When the battery pack is very cold, run the tool at no load to warm battery and then use the tool normally.

Hot Weather Operation

If the Lithium-Ion battery temperature reaches 158°F (70°C), the protection circuit will turn off the battery and all four LED's will flash for four (4) minutes. Once the battery has cooled down below 149°F (65°C), the battery will resume normal operation.

Storage

Do not expose your battery pack to water or rain; this could damage the battery pack.

Fully charge the battery before placing it in storage. For optimum life, store the all Lithium-Ion batteries at room temperature away from moisture. Permanent capacity loss can result if batteries are stored for a long period at high temperature, over 120°F (49°C).

Maintenance

Service

Service of a tool requires extreme care and knowledge. Service should be performed only by a qualified service technician.

- Always check tool for damaged parts before use.
- Replace or repair damaged parts before use. Check alignment of moving parts. Binding of moving parts or broken parts may alter operation.
- Have damaged parts properly repaired or replaced by an Authorized Service Center.
- Do not use tool if switch does not turn it on and off.
- Maintain tools. Keep tools dry, clean and free of oil and grease for better and safer performance.
- For the location of the nearest **Snap-on** repair center, call **Snap-on** customer service at 1-877-762-7664.
- When charging or discharging a lithium-ion battery over a short period of time, the internal temperature of the battery pack increases substantially. This is normal.
- Under ideal working conditions the useful life of a lithium-ion battery pack is around 1000 charge/discharge cycles. Improper care and maintenance shortens battery life and the amount of time the battery holds a charge.
- Use only with **Snap-on** charging equipment that specifies a CTB series battery pack.
- Avoid short circuiting the battery pack. Permanent damage to the pack can occur from high current discharge.

WARNING

- **Unplug charger from outlet before starting the disassembly procedure.**
- **Remove the battery pack from the tool before starting the disassembly procedure. Short-circuiting the battery pack can cause fire or personal injury.**
- **Use safety equipment. Always wear eye protection.**

Symbology

SYMBOLGY	
	REFER TO INSTRUCTION MANUAL/BOOKLET
	WEAR EYE PROTECTION
	WEAR HEARING PROTECTION

	VIBRATION HAZARD
	VOLTS
	DIRECT CURRENT
n_0 xxx/min	NO LOAD SPEED
	CE MARK
	CANADIAN - UNITED STATES UNDERWRITERS LABORATORY
	FCC FEDERAL COMMUNICATIONS COMMISSION
	JAPAN ELECTRICAL SAFETY TUV RHEINLAND
	DOUBLE INSULATION
BFP	BACK FEED PROTECTION
	PROPERLY RECYCLE BATTERY
	DO NOT THROW IN GARBAGE
	CALIFORNIA - TITLE 20 COMPLIANT

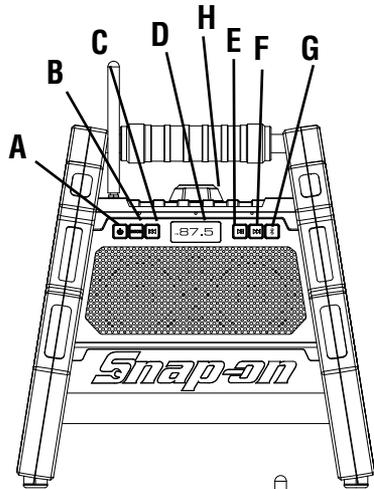
Battery Charger Troubleshooting

PROBLEM	POSSIBLE CAUSES	REASON/SOLUTION
	Undervoltage	Replace battery with a fully charged battery.
	Tool overtemperature	Let tool sit 5-10 minutes then resume work
	Overcurrent	Let tool sit 5-10 minutes then resume work
	Motor wire break	Return to dealer for repair
	Controller fault	Return to dealer for repair
	Controller overtemperature	Let tool sit 5-10 minutes then resume work
	Hardware fault	Return to dealer for repair
	Hall effect error	Return to dealer for repair
	CTL failure	Replace battery with a fully charged battery.

SAVE THESE INSTRUCTIONS

Functional Description

- A Power ON/OFF
- B Function Button
- C Back/Tune Button
- D LCD Display
- E Next/Tune Button
- F Play/Pause Button
- G Bluetooth Pair Button
- H Volume Control Knob
- I USB Port 5V/2.1A
- J AUX in Jack
- K Head Phone Jack
- L AC Power Port
- M Battery Port
- N Radio Antenna



Cordless Radio/Bluetooth Speaker

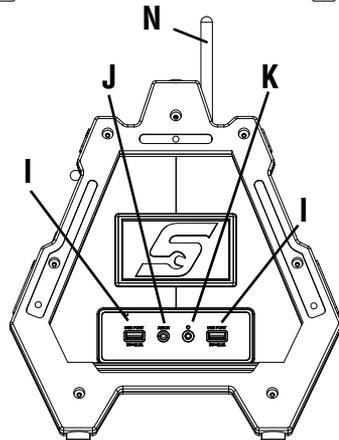
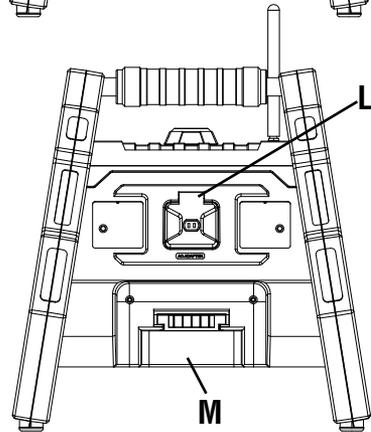
Specifications

AC Power Supply:.....	110  Hz
DC Battery:	18V
USB Output:	5V 2.1A
Output Power:.....	30W
Power Consumption:.....	50W

*These declared values were obtained by laboratory type testing with the stated standards and are not adequate for use in risk assessments. Values measured in individual work places may be higher. Values and risk of harm experienced by an individual user are unique and depend upon the environment and manner in which the user works, the work piece and the workstation design, as well as upon the exposure time and the physical condition of the user.

We, Snap-on Tools Company, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure determined in an individual risk assessment in a work place situation over which we have no control.

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FCC Regulations



This device complies with Part 15, Subpart B 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.

FCC ID: 2ASMKCTBS9050

Speaker Operation

This speaker is designed for use in dry conditions to play audio via a Bluetooth® enabled device

Do not mount device inside cabinet and allow a minimum of 4 inches (10 cm) of space around device while in use

Do not use in wet conditions or near flammable gases or liquids

Before the First Use

1. Remove the speaker from the box
2. Remove all protective packaging
3. Install Snap-on 18V battery pack

Battery Pack Installation and Removal

Installing the battery pack:

- Slide battery pack onto battery guide rails on speaker battery port until you hear and audible click into place

Removing the battery pack:

- Press release button on battery and slide battery off the battery guide rails on the speaker

Using AC power

- Plug 110V power cord into the AC power port (L) on the back of the speaker
- Plug 110V power cord into a grounded household AC power outlet

Power Button

- To turn the speaker on, press the Power ON/OFF (A)

- To turn the speaker off, press the Power ON/OFF (A)

NOTE: The speaker will also turn off automatically if there is no activity or connection for 5 minutes

Connecting a Bluetooth® Enabled device

1. Confirm the battery is connected or an AC power cord is plugged into an AC power source
2. Place the speaker and device approximately 3 ft. (1 m) of each other
3. Confirm the Bluetooth® function is enabled and set to automatically pair on the device

Consult your device manufacturer's operation instructions for specific pairing instructions

4. Press Power ON/OFF (A) to turn on the speaker
5. Press the function button (B) until you cycle to "BT Function"
6. Turn on your Bluetooth device and search for "CTBTSR9050"
7. Press the Bluetooth Pair Button (G) on the unit and accept CTBTSR9050 on your external device
8. The BT indicator light on the unit will turn solid you are now connected

Note: If asked for a pass code, enter "0000"

Using the Headphone Jack:

1. You can directly connect the CTBTSR9050 to an external speaker or headphones using a standard speaker cable
2. Plug the speaker cable into the Head Phone Jack (K) of the CTBTSR9050 and connect the other end to your head phones or other external speaker.
3. Play music through your head phones or external speaker.

Note the CTBTSR9050 speaker will not play with head phones or an external speaker connected. The head phones or external speaker will play

Using the AUX. IN Jack:

1. You can directly connect a non-Bluetooth enabled device to the CTBTSR9050 using an AUX cable
2. Plug the AUX cable into the AUX IN Jack (J) of the speaker and connect the other end to your device output

- Press the Function Button (B) until it cycles to the "AUX" function on the control panel
- Play music from your connected device

Using AM/FM radio

Ensure the radio antenna is properly installed.

- Press Power ON/OFF (A) to turn on the speaker
- Push the function button (B) to select the FM or FM.
- Press the Play/Pause (F) or Back/Tune (C) Buttons to move up and down the band. (Note: if "P" is displayed, press Next/Tune Button (E) to toggle out of "P" (Preset) being displayed)
- Press, hold, and release the Play/Pause (F) or Back/Tune (C) Buttons to search for next station in range. Press, hold, and release the Play/Pause (F) or Back/Tune (C) Buttons again for next station in range.
- Press, hold, and release the Next/Tune button (E), the "P" indicator will appear on display and will begin to flash. The unit will autoscroll through the bands and auto save all stations in range, 50 radio stations can stored automatically.
- After preset stations are stored, press the Next/Tune (E) button. The display will show "P" and "P01" Press Play/Pause (F) or Back/Tune (C) Buttons to scroll through the preset stations

Using the TWS:

(Chain two CTBTSR9050 Speakers Together)

The TWS chaining feature will only work on CTBTSR9050 speakers

Only two CTBTSR9050 speakers can be chained together

- Make sure both CTBTSR9050 are powered on and in Bluetooth pairing mode
- Connect your Bluetooth device to one of the speakers and wait for an audible confirmation.
- Press the Bluetooth Pair Button (G) on the unit and accept CTBTSR9050 on your external device
- The BT indicator light on the unit will turn solid and an audible confirmation, you are now connected.
- Press the Bluetooth Pair Button (G) again. "TWS" indicator will display and flash.
- Press the Bluetooth Pair Button (G) on another CTBTSR9050. This will connect automatically. TWS indicator will turn solid and an audible confirmation "Right Channel" and "Left Channel" will sound, "BT" will appear on one unit and "SL" will display on the other unit.
- Play music from your connected device.

Adjusting the Volume

- Volume can be adjusted on your connected device or by turning the volume control knob (H) of the CTBTSR9050
- Once you have reached MAX volume of the CTBTSR9050, an audible "beep" will be heard to note MAX volume has been reached

CAUTION:

Playing music too loud over an extended period can cause permanent hearing damage.

Playing a Track

- To play an audio track press the Play/Pause Button (F)
- To pause an audio track press the Play/Pause Button (F)

Changing the Track

- To advance a track press the Next/Tune Button (E)
- To go to a previous track press the Back/Tune Button (C)

Standby function:

- The CTBTSR9050 has a built-in power saving system, which will automatically put the unit into a "standby mode", when it detects that, the unit is not in use for 5 minutes.
- To exit "standby mode" press the Power ON/OFF(A) on the speaker

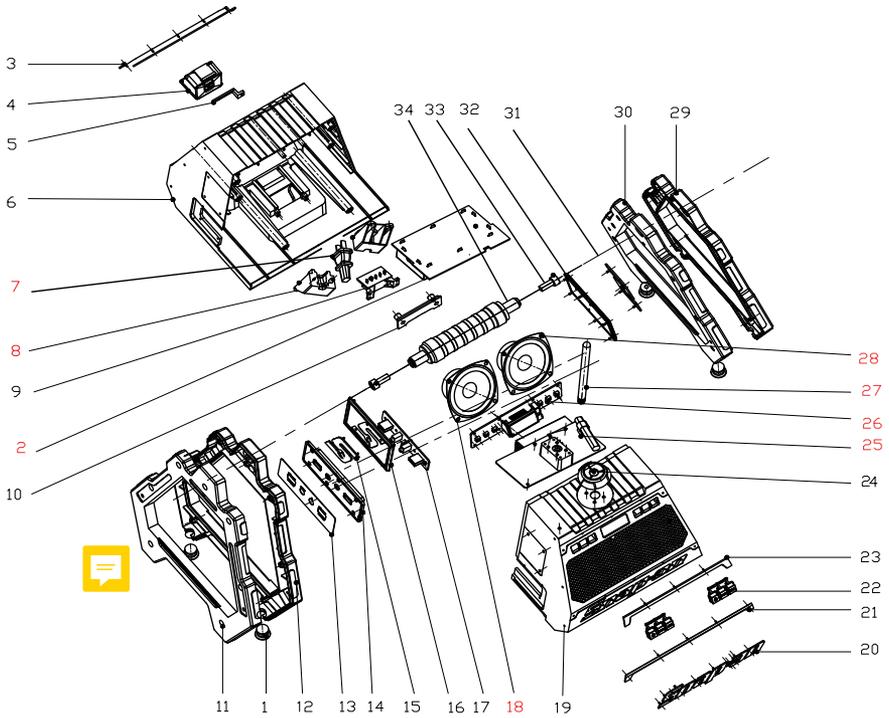
Using the USB Charging Ports:

- The CTBTSR9050 has two onboard 5V 2.1 Amp USB ports designed to charge devices (I).
- To charge a device plug the device end of the USB cord into the device
- Plug the USB end into the USB ports (I)
- Turn on power (A)

Incoming Calls:

This speaker is equipped with an incoming call feature, which pauses audio once a call is accepted

This feature activates automatically and play will resume when call is ended



Cordless Radio/Bluetooth Speaker - Parts List and drawing

Key	Number	Part name	Key	Number	Part name
1	CTBTS9050-1	Replacement housing feet	18		Loud speaker L.
2		Power Board	19		Front shell
3		Decorative strip	20		Snap on logo
4		Battery compartment	21		Decorative strip
5		Layering	22		Button
6		Back shell	23		Decorative strip B
7		AC plug	24		Volume knob
8		AC plug bracket	25		Main PCBA
9		Main PCBA	26		LCD/Key PCPA
10		PCBA cover	27		Radio antenna
11		Left frame A	28		Loud speaker R
12		Left frame B	29		Right frame A
13		PVC sticker	30		Right frame B
14		The port bracket	31		S logo plate
15		S LOGO plate	32		S logo bracket
16		S LOGO bracket	33		Screw
17		USB/Earphone/AUX PCBA	34		Handle

18V Cordless Radio / Blue Tooth Speaker

Symptom	Cause	Solution
No Power	AC plug not plugged into wall outlet 18V Battery is not charged No battery connected to unit	Plug into wall outlet properly Charge the battery Insert charged battery
No Sound	Volume set too low Sound output of the connected device set too low (AUX IN & Bluetooth Mode)	Adjust volume to desired level Adjust volume of connected device
Sound Distortion	Volume level set too high Volume level of the connected device too high (AUX IN & Bluetooth Mode)	Reduce volume level by the VOL knob. Reduce the volume level of the connected device
Bluetooth Reception Failure	Not properly connected via Bluetooth The connected device is not in playback mode	Check that Bluetooth is activated on your device and retry connection Play the music in the connected device

Eric, do we have more  troubleshooting to add here?

WARRANTY/SERVICE AND REPAIR

Snap-on® Tools Limited One (1) Year Warranty

Snap-on® Tools Company (the "Seller") warrants only to original purchasers who use the Equipment in their business that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for 1 year from the date of original invoice. Seller does not provide any warranty for accessories used with the Equipment that are not manufactured by Seller.

SELLER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER'S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER'S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER'S JUDGMENT, TO RETURN THIS EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES, EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL COSTS OR DAMAGES INCURRED BY PURCHASERS OR OTHERS (including, without limitations, lost profits, revenues, and anticipated sales, business opportunities or goodwill, or interruption of business and any other injury or damage).

This warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, in operability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by other than Seller's authorized representatives; (c) installation, repair or maintenance (other than specified other than Seller's authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the Equipment, unusual physical, electrical or electromagnetic stress and/or any other condition outside of Seller's environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation, requirement or specification governing lifting equipment and related supplies.

Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller's normal working hours within a reasonable time following purchaser's request. All requests for Warranty service must be made during the stated Warranty period. Proof of purchase date is required to make a Warranty request. This Warranty is nontransferable.

Snap-on Tools, Kenosha, Wisconsin 53141-1410
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Snap-on 2801 80th St., Kenosha, WI 53143 www.snapon.com

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.

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 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 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.

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.

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body