



ROCKLER®
WOODWORKING AND HARDWARE

Create with Confidence™

AM/FM Stereo Wireless Speaker Kit Instructions

Effective July 2022



Review full instructions prior to use for important safety information.
Always check [Rockler.com](https://www.rockler.com) to confirm that you are using the most recent
version of instructions for your product.



GENERAL SAFETY WARNINGS

This product is designed only for specific applications as defined in the instructions and should not be modified or used for any manner not described in these instructions. Use only recommended accessories. Before using the AM/FM Stereo Wireless Speaker Kit: **READ, UNDERSTAND** and **FOLLOW ALL INSTRUCTIONS AND SAFETY WARNINGS. KEEP THESE INSTRUCTIONS READILY AVAILABLE FOR FUTURE REFERENCE.**

- > Always confirm that you are using the most recent version of the instructions and safety warnings for your product (see the instructions link on the product page at Rockler.com).
- > Before using another tool with this product, always read, understand and follow the instructions and safety warnings in the owner's manual for that tool. If you do not have the owner's manual, obtain one from the tool's manufacturer before using it with this product.
- > Before using any chemical with this product, always read, understand and follow all safety warnings and guidelines in the manufacturer's Safety Data Sheet (SDS; formerly called "MSDS"), especially regarding:
 - How to safely use the chemical, including potential hazards and recommended first aid measures;
 - Personal safety equipment required to safely use the chemical (e.g. gloves, eye protection, mask/respirator, etc.);
 - Proper and safe handling, storage and disposal of the chemical.
- > Before using this product, review and verify that all tools to be used with it have safety equipment installed and are in proper working order as defined by the tool's owner's manual.
- > Do not use this product until you have read and are confident you understand:
 - Product Specific Warnings (pp. 3 - 4);
 - Assembly (p. 5);
 - Connecting to Your Device (p. 6);
 - Operating Controls (p. 6).
- > The user assumes all risk and responsibility for the proper and safe use of this product and for ensuring product suitability for the intended application.
- > It is the sole responsibility of the purchaser of this product to ensure that anyone you allow to use this product reads and complies with all instructions and safety precautions outlined in this manual prior to use.
- > Follow all standard shop safety practices, including:
 - Keep children and bystanders away from the tool operating area;
 - Do **NOT** use power tools in explosive environments, or in the presence of flammable liquids, fumes or dust;
 - **TURN OFF AND UNPLUG** all power tools **BEFORE** making any adjustments or changing accessories;
 - Remain alert and use good judgment. Do not use this product if you are in any way impaired by medications, alcohol, drugs or fatigue;
 - Keep your work area well lit and clean;
 - Dress appropriately. Secure loose clothing, remove all jewelry and tie up long hair before using this product;
 - **ALWAYS** wear safety glasses, hearing protection and respiratory protection that complies with NIOSH/OSHA/ANSI safety standards;
 - Use dust collection tools and dust face masks to reduce exposure to dust;
 - Use safety equipment such as featherboards, push sticks and push blocks, etc., when appropriate;
 - Maintain proper footing at all times and do not overreach;
 - Do **NOT** force woodworking tools.
- > These warnings and instructions do **NOT** represent the total of all information available regarding tool safety, use and technique. Always seek out opportunities to learn more and improve your skills and knowledge.

 **WARNING:** Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

SAFETY WARNING KEY

DANGER

Danger indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

Warning indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION

Caution indicates a hazardous situation that, if not avoided, may result in minor or moderate injury or property damage.

NOTICE

Notice indicates important or helpful information and/or user tips.

PRODUCT SPECIFIC SAFETY WARNINGS

WARNING

- > Read, understand and follow all safety warnings included in these instructions. Keep these instructions in a place where they will be readily accessible later.
- > To reduce the risk of fire or electric shock, do **NOT** expose this apparatus to rain or moisture. As with any electronic products, use care not to spill liquids into any part of the product. Exposure to liquids may create a failure and/or fire hazard.
- > Do **NOT** place open-flame sources, such as lighted candles, on or near the product.
- > Do **NOT** use near any heat sources such as radiators, heat registers, stoves, prolonged direct sunlight or other apparatus that produce heat.
- > Do **NOT** subject batteries to mechanical shock or bending.
- > This device uses an internal rechargeable lithium-ion battery. Never disassemble the unit or attempt to remove the battery as that could cause leakage of an electrolytic substance.
- > In the event of a battery leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- > Do **NOT** use any chargers or cords other than that specifically provided for use with the equipment.
- > Do **NOT** leave a battery on prolonged charge when not in use.
- > After extended periods of storage, it may be necessary to charge and discharge the batteries several times to obtain maximum performance.
- > Batteries give their best performance when they are operated at normal room temperature: 68°F (20°C) ± 9°F (5°C).
- > This product contains magnetic material. Contact your physician if you have questions on whether this might affect the operation of your implantable medical device.

Product Specific Safety Warnings continued on page 4

PRODUCT SPECIFIC SAFETY WARNINGS CONTINUED

CAUTION

- > Do **NOT** make unauthorized alterations to the product; doing so may compromise safety, regulatory compliance and system performance.
- > This product is **NOT** designed and has **NOT** been tested for use in recreational vehicles or on boats.
- > This product is intended to be used only with the power supply provided.
- > When working with epoxy, make sure the area is well-ventilated, wear nitrile gloves and use an applicator. Avoid contact with skin or clothing.
- > Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.





Fig. 1

Assembly

NOTICE

The wires for the AM and FM antennas are delicate. Handle them with care when mounting them inside the speaker enclosure.

Recommended interior dimensions of speaker enclosure: $3\frac{1}{2}" \times 3\frac{1}{2}" \times 8"$. A hollow box-type structure is recommended.

The AM/FM Stereo Wireless Speaker Kit includes right and left speaker units with connector wires and a control unit with two antenna wires. Each speaker must be spaced no farther than 12" away from the control unit to allow wire connections to be made.

Each speaker unit requires a $2\frac{3}{4}"$ diameter hole in the enclosure, and the control unit requires a $2\frac{1}{2}" \times 1\frac{1}{8}"$ diameter pill-shaped opening. The opening can be made by using a

Forstner bit to drill two $1\frac{1}{8}"$ holes spaced $1\frac{1}{4}"$ apart on center and then cutting or chiseling away the remaining material in between.

1. Determine where you want the speakers and the control unit to be and mark the locations for the holes.
2. Using the Mounting Hole Template **Shop Drawing (p.11)** cut the $2\frac{1}{2}" \times 1\frac{1}{8}"$ diameter pill-shaped opening for the control unit. You can use a coping or scroll saw to cut the full opening or use a drill with a Forstner bit (55985, sold separately) or hole saw to cut two $1\frac{1}{8}"$ diameter holes spaced $1\frac{1}{4}"$ apart on center and then cut or chisel away the remaining material in between. **Fig. 1.**
3. Use a coping or scroll saw or a drill with a Forstner bit (56683, sold separately) or hole saw to cut two $2\frac{3}{4}"$ diameter holes for mounting the left and right speaker units.

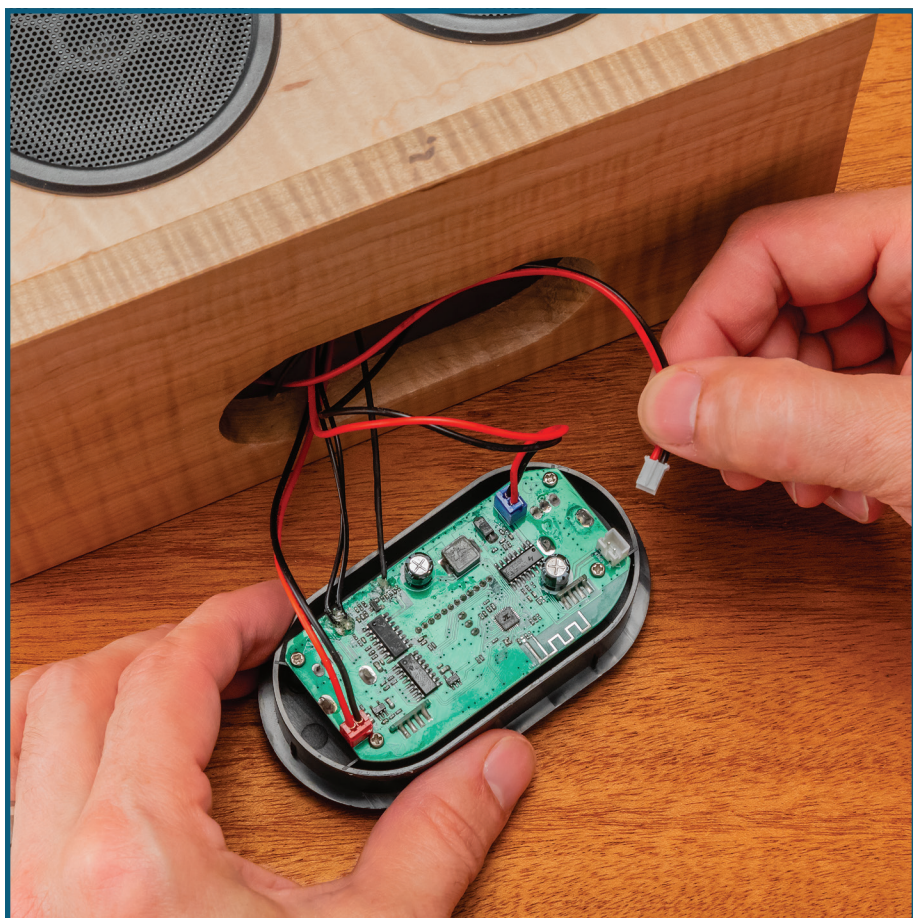


Fig. 2

4. Test fit the left and right speaker units into their respective mounting holes. Then press fit or, if desired, epoxy them in place. Make sure you will have access to the color-coded wires/connectors. Be sure to wipe away any excess epoxy.
5. Connect the wires from the left speaker unit to the control unit, pressing the white connector at the end of the set of wires into the white port on the back of the control unit.
6. Connect the wires from the right speaker unit and attached battery to the control unit, pressing the blue connector on the other set of wires into the blue port on the back of the control unit first and red connector on the other set of wires into the red port last. **Fig. 2.**
7. Carefully remove the backing on the adhesive tape on the AM and FM antenna wires connected to the control unit.
8. Fit one of the antenna wires as far as you can away from the speakers inside one end of the enclosure and press the adhesive on the module(s) against the underside of the top. **Fig. 3 and 4.**
9. Fit the other antenna wire as far as you can away from the speakers inside the other end of the enclosure and press the adhesive on the module(s) against the underside of the top. **Fig. 3 and 4.**
10. Push the wires inside the opening and press fit or epoxy the control unit into the mounting hole.

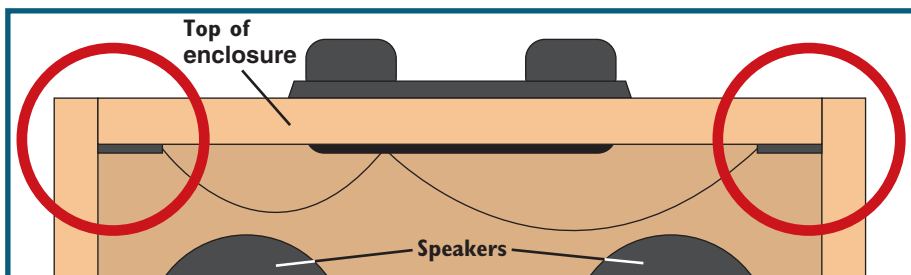


Fig. 3 - Back view (Back panel removed for clarity)

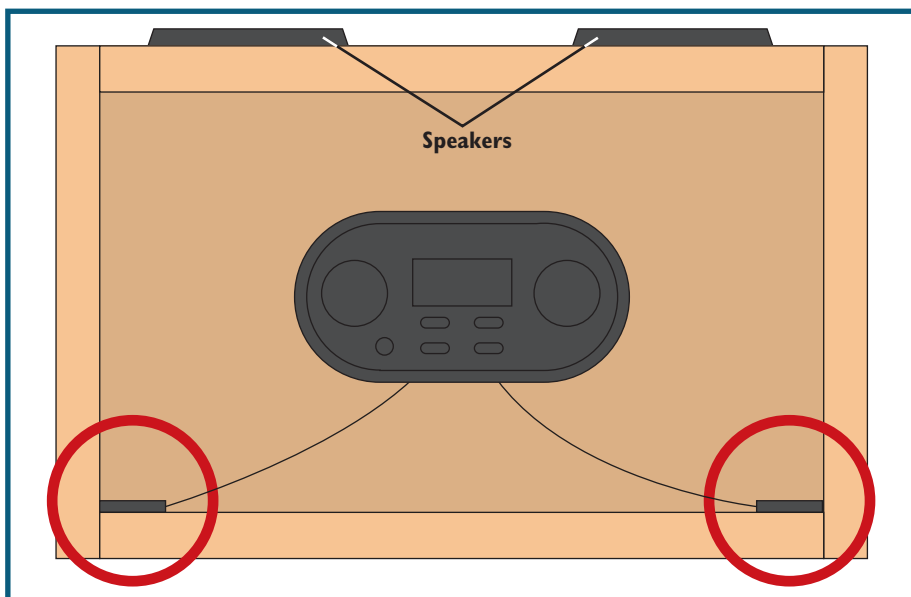


Fig. 4 - Top view

Connecting to Your Device

NOTICE

The LED indicator light will be red while the battery is charging and go off when the battery is fully charged.

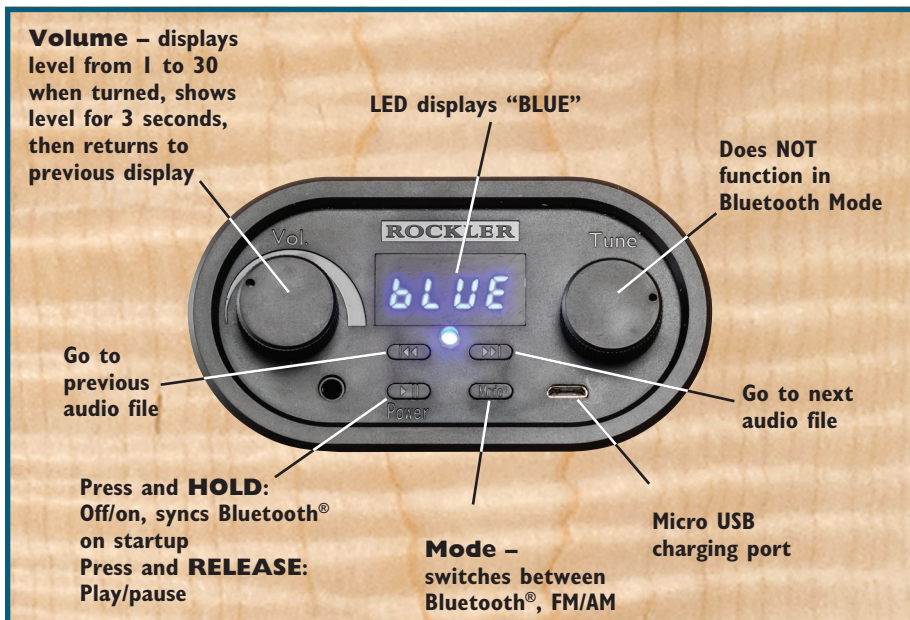
1. Charge the speaker by plugging the small end of the included USB cord into the micro-USB port on the control unit and the other end into a power source.
2. Once the battery is charged, disconnect the USB cord. Make sure Bluetooth® connectivity is enabled on your device.
3. Turn on the unit by pressing and holding the ►|| button on the control unit for three seconds. The blue LED will blink.
4. When you open your device, "My BT Speaker3" should appear onscreen. Select it and wait for the connection to be established. Once a connection is established, the blue LED on the control unit will light up, the display will show "BLUE," and you will hear a tone.

Check Rockler.com for updates. If you have further questions, please contact our Technical Support Department at 1-800-260-9663 or support@rockler.com

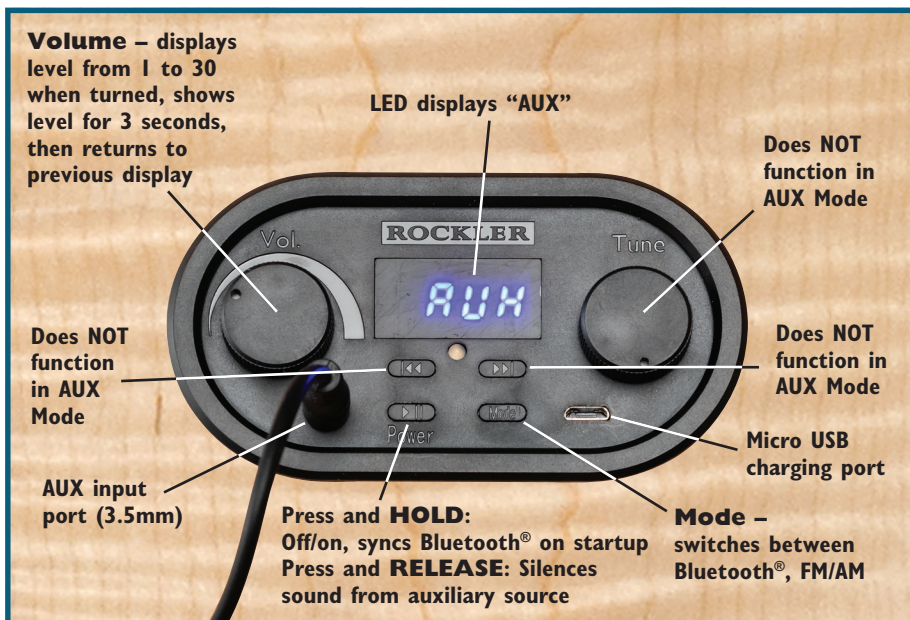
Operating Controls

Other than the volume knob, the controls on the display function differently in different modes. Here's how the controls function in each mode:

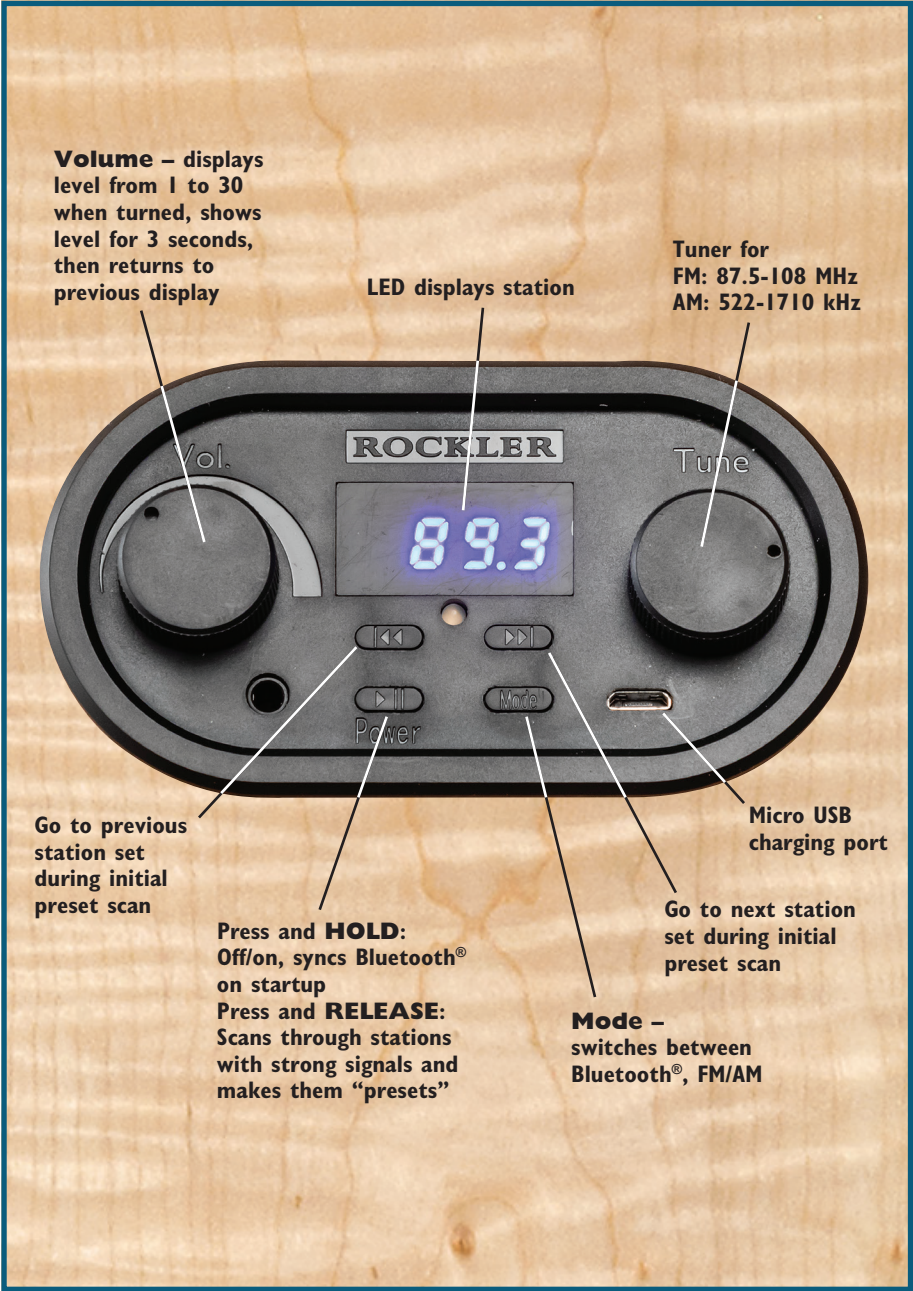
Bluetooth® Controls - Default mode when the unit is turned on



Aux Controls



AM/FM Controls



IDENTIFICATION OF ASSEMBLED PRODUCT

66992 AM/FM STEREO
WIRELESS SPEAKER KIT
FCC ID: 2AT7N-66992

⚠ CAUTION

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

APPLICABLE COMPLIANCE STATEMENTS

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

RESPONSIBLE PARTY / MANUFACTURER ROCKLER COMPANIES

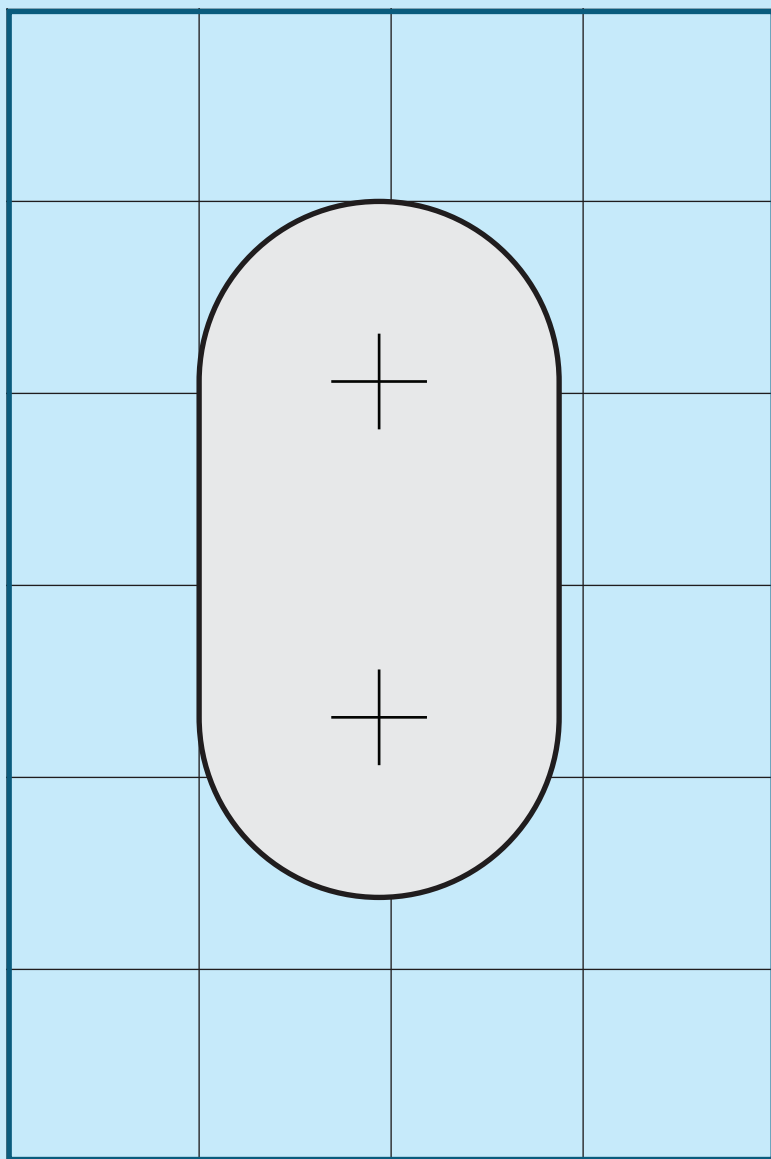
ADDRESS 4365 WILLOW DRIVE, MEDINA,
MN 55340

TELEPHONE 1-800-279-4441

WWW.ROCKLER.COM

BLUETOOTH® Version	5.0
BLUETOOTH® Profile	A2DP, AVRCP
Transducer	50mm
Output Power	2*5W
Frequency Response	150Hz-20khz
Signal-to-Noise Ratio	≥80dB
Battery Charge Time	About 3 hours
Battery Play Time	About 7 hours at 70% volume
Battery Capacity	800mAh
Weight	173g
BLUETOOTH® Transmitter Power	0dBm
BLUETOOTH® Transmitter Frequency Range	2.402-2.480GHz
BLUETOOTH® Transmitter Modulation	GFSK/π/4DQPSK
Power Supply	DC3.7v by battery or DC 5V by adapter
Audio Input	AUX
Charging Type	Micro USB
AM/FM Operational Frequency	FM (Receiver): 87.5-108 MHz AM(Receiver): 522-1710 kHz
Antenna Gain	-0.58dBi
Antenna installation	PCB Antenna

Scale: 1" = 1"





66992
Rev 07/22

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