

Omnidirectional Boundary Microphone

33-3022

OWNER'S MANUAL — Please read before using this equipment.

! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning

💡 — Hint

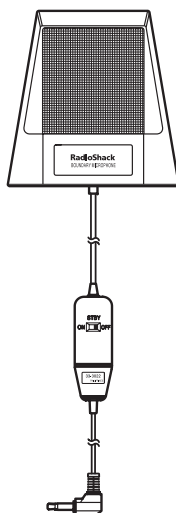
⚡ — Caution

📝 — Note

! — Important

Thank you for purchasing the RadioShack Omnidirectional Boundary Microphone. It is ideal in situations where you want a microphone to be out of the audience's sight, or where a traditional microphone might not be practical, such as group meetings/conferences, stage productions, choral ensembles, or concerts.

The microphone's sleek design and rugged construction let you easily set it almost anywhere — on the floor, on a table or lectern. Its hemispherical pick-up pattern and high sensitivity let you easily pick up near or distant sound coming from all around the microphone. Your microphone's other features include:



On/Standby/Off Control with Belt Clip — lets you conveniently turn the microphone on and off at any time.

Wire-Mesh Windscreen — reduces wind noise and breath pops.

Stabilized Rubber Pad — anchors the microphone for greater stability.

INSTALLING A BATTERY

Your microphone is supplied with one 357A (or LR44) silver-oxide button-cell battery for power. ⚡

1. Press in the tab on the battery compartment cover (located below the belt clip) and lift it up to remove the cover.
2. Place the battery in the battery compartment with its positive side (+) up.
3. Replace the cover.

If the microphone stops working or the sound weakens after long term use, replace the battery. ⚠

CHOOSING A LOCATION

The microphone uses a hemispherical pick-up pattern, which means it picks up sound equally from all directions within the space (hemisphere) above and around the microphone. Sound quality remains consistent no matter where it originates. It does not vary from side to side, or from top to side.

Experiment and listen to find the best location for the microphone. Choose what you think is the best location, then listen to how it sounds. 📝

To achieve the best performance, improve low frequency sound pick-up, and maximize the microphone's range:

- Place the microphone on a solid, flat surface, with the top of the microphone in the sound source's line-of-sight so the person speaking can see it.
- Leave at least 1 foot (.3 meter) of clear space all around the microphone.
- If you use two or more microphones, position them at least 20 feet (6 meters) apart.
- Avoid positioning the microphone on carpeting or other sound-absorbent material.

CONNECTION

Be sure the microphone's **ON/STBY/OFF** switch is set to **OFF**, then insert the microphone's 1/8 inch (3.5 mm) plug into the microphone jack on the audio device (mixer, amplifier, or recorder). 📝 ⚡

OPERATION

To turn on the microphone, set **ON/STBY/OFF** to **ON**.

To turn off the microphone for a short period of time (during an intermission or between speeches, for example), set **ON/STBY/OFF** to **STBY**. This setting prevents an audible "pop" when you turn it on again.

To turn off the microphone when you are finished using it, set **ON/STBY/OFF** to **OFF**.

NOTE

Choosing a Location

- The microphone might pick up some sound from the area behind its base (below the plane of the mounting surface). However, the sound quality is not as good as the sound picked up from above and to its sides.
- If you must position the microphone on a carpeted surface, place a 4 foot (1.2 meter) square piece of plastic or wood on the carpet first, then place the microphone on top of the plastic or wood.

Connection

If your audio equipment's microphone jack is a 1/4 inch (6.35 mm) type, use a 1/8 inch (3.5 mm) to 1/4 inch (6.35 mm) adapter plug (available at your local RadioShack store).

CAUTION

Always turn off the microphone before you connect it to, or disconnect it from, the audio device.

CAUTION

- Use only fresh batteries of the required size and recommended type.
- If you do not plan to use the microphone for 2 weeks or more, remove the battery. Batteries can leak chemicals that can damage your microphone's electronic parts.

WARNING

- Keep button-cell batteries away from children. Swallowing a button-cell battery can be fatal.
- Dispose of old batteries promptly and properly. Do not burn or bury them.



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Limited Ninety-Day Warranty

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Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

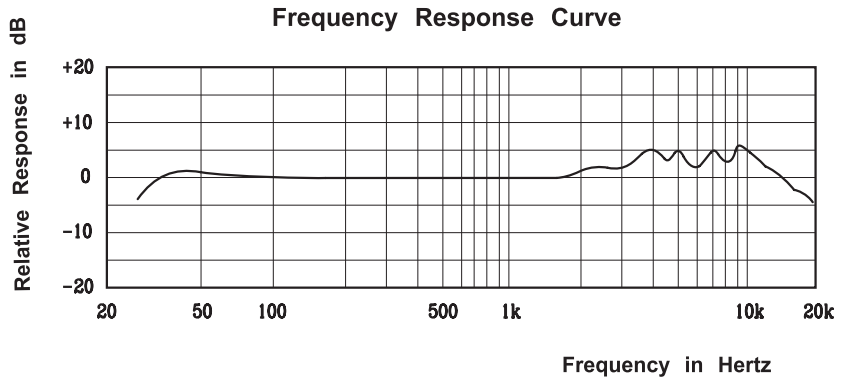
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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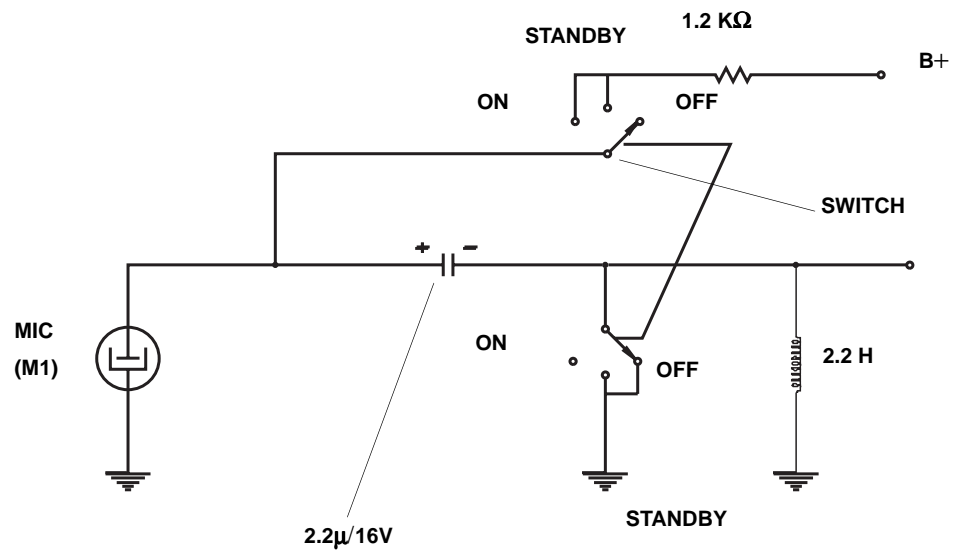
FREQUENCY RESPONSE CURVE

This diagram shows the microphone's frequency response variation throughout the frequency range.



WIRING DIAGRAM

Use this diagram to wire your microphone to another device.



SPECIFICATIONS

Type	Surface-Mount Electret Bias Condenser
Directivity	Omnidirectional (hemisphere above mounting surface)
Impedance	1,000 Ohms ± 30% (at 1,000 Hz)
Sensitivity (at 1 kHz)	-67 dB ± 4 dB (0 dB = 1V/microbar)
Frequency Response	30-18,000 Hz
Current Drain	Less than 0.5 mA
Power Requirement	One 357A Silver-Oxide Button Cell Battery (supplied)
Cable Dimensions (Length x Diameter):	
From Microphone to Control Box	16 feet (5 meters) x 2.5 mm
From Control Box to Phone Plug	4 feet (1.2 meters) 1.93 mm
Microphone Dimensions (HWD)	1 ⁵ / ₁₆ x 3 ⁹ / ₁₆ x 3 ¹¹ / ₁₆ Inches (3.3 x 9 x 9.4 cm)
Plug (Mono)	1/8 Inch (3.5 mm) Angled Type
Weight (Including Cable)	10.93 oz (310 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.