COUNTRYMAN

B2D DIRECTIONAL LAVALIER

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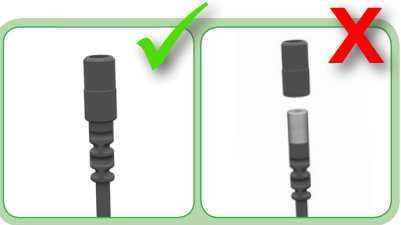

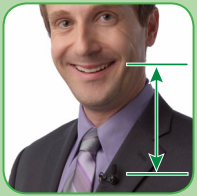

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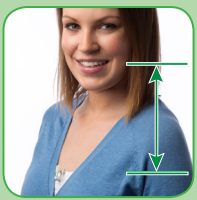
20 cm - 25 cm



8 in - 10in
20 cm - 25 cm

Thanks for choosing the Countryman B2D Directional Lavalier.

The B2D is easily the smallest directional lavalier in the world, with the next smallest mic being more than twice its size. Combined with exceptional sound quality and isolation, this tiny package opens up a new set of miking options that were previously unavailable. The tight hypercardioid pattern gives the B2D an extra 6-10 dB of headroom compared to an omni lav, meaning less problems with feedback, ambient noise, room rumble, and phase cancellations with multiple mics.

This booklet describes how to use the B2D to get the best performance in a variety of different applications.

Microphone Care

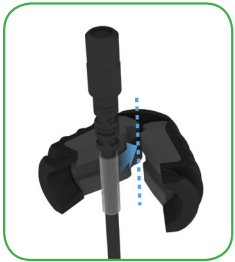
While the B2D Lavalier is designed for durability, moisture-resistance, and flexibility, it is a high-precision instrument and we do suggest some basic precautions to prevent damage or sonic degradation:

- Always use the B2D with its cap in place. The cap is critical to the sound quality and also protects the capsule from makeup, moisture, and debris.
- When a protective cap is not in place, avoid touching the end of the capsule with fingers or obstructing the opening with foreign substances.
- Remove the cap for cleaning. The cable and cap may be cleaned with alcohol wipes, soap and water, or spirit gum remover. *Do not use water or any chemicals on the capsule itself.*

Always use the B2D with the cap firmly in place.

ONLY remove the cap to clean it. The B2D will not function correctly without the cap.

Using the Single Microphone Clip

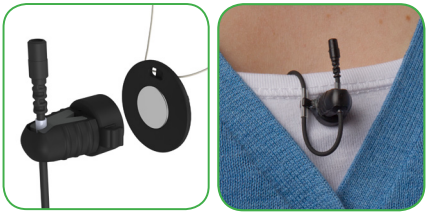


Place the top isolating sleeve into the groove in the microphone holder.

Pinch and clip the microphone holder into the base.

Slide the second isolating sleeve about one inch down the cable and clip in into the gripper. For ties, button down shirts, and jackets, position the clip horizontally; for t-shirts and many dresses you can rotate the clip vertically.

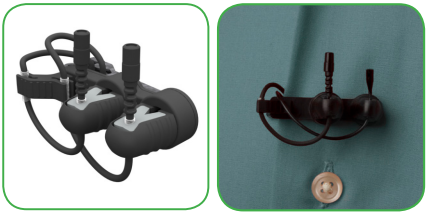
Using the Magnetic Clip



The Magnetic Clip consists of a magnetic gripper and backplate. The backplate slips behind clothing or other surfaces for secure positioning on sensitive fabrics or hard-to-mic locations. Loop the backplate's attached lanyard arond the neck for easy retrival.

The Magnetic Clip is not suitable for persons with pacemakers.

Using the Double Microphone Clip



The Double Clip provides an additional microphone holder. This is ideal for a redundant B2D, or a backup omnidirectional lavalier, such as the B6 or B3.

Positioning the Microphone

- Position the B2D Lavalier about 8” to 10” from the mouth for chest miking and rotate the microphone toward the mouth.
- Use the windscreen whenever practical. Placing the microphone to one side can help reduce breath noise.
- Placing a small loop in the cable and taping it to the inside of a shirt or jacket can reduce cable noise.
- When hiding the microphone, never obstruct any part of the protective cap, including the back port at the rear-most rim of the cap.

Additional Microphone Placements

The small size and consistent pattern of the B2D make it particularly versatile:

Buttonhole

Ensure the entire cap of the B2D is exposed. Including small loops and taping the cable will help reduce handling noise.

Hair

Excellent for theater. Use hair berets to secure the cable. If you use tape on the skin, make sure the entire B2D cap is exposed.

Eyeglasses

Heat shrink and a bent piece of wire hold the B2D in place. Point the capsule at the mouth (microphone extended for visibility).

Podium Backup

Black electrical tape holds the B2D under a podium microphone for redundancy. The technique also works well with omni B6 mics.

Detachable and Fixed Connectors

The B2D is available with threaded detachable connectors or permanently-attached connectors in a variety of configurations to suit hardwired systems and wireless transmitters. Make sure detachable connectors are firmly hand tightened before use. Both styles feature generous flex and strain reliefs bonded to Countryman's custom 1.5mm aramid-reinforced cable for more than 45 pounds of break strength.

Key Specifications

Frequency Response: 50Hz to 18kHz
Cable Break Strength: > 45 pounds
Weight : 0.18 oz (5 grams)

Supplied Accessories:
Carrying case, windscreen, single isolation clip, protective cap, and detachable connector.

Additional information can be found at: http://www.countryman.com

The B2D Directional Lavalier is available in three sensitivities to match a wide range of applications:

B2DW4 standard (gray band) for most uses
Sensitivity: 6.0 mV/Pascal
Equivalent Acoustic Noise: 34 dBA SPL
Overload Sound Level: 120 dB SPL

B2DW5 mid (red band, -10 dB re W4) head mic for theater
Sensitivity: 2.0 mV/Pascal
Equivalent Acoustic Noise: 39 dBA SPL
Overload Sound Level: 130 dB SPL

B2DW6 low (blue band, -20 dB re W4) for powerful vocals
Sensitivity: 0.6 mV/Pascal
Equivalent Acoustic Noise: 44 dBA SPL
Overload Sound Level: 140 dB SPL

Declarations

We, Countryman Associates Inc., declare under our sole responsibility that the following product:

B2D Directional Lavalier

To which this declaration relates is in compliance with the essential requirements of:

2004/108/EC	EMC
EN 55103-1	
EN 55103-2	
2002/96/EC	WEEE
2003/108/EC	
2002/95/EC	RoHS

When used as specified.

RoHS CE

Notes

Notes

Countryman Associates, Inc. 195 Constitution Drive, Menlo Park, CA 94025
Phone: (800) 669-1422 or (650) 364-9988 Fax: (650) 364-2794
Email: sales@countryman.com Web: www.countryman.com