

[manuals.plus](#) /

› [Astatic](#) /

› [Astatic 636LB1 Dynamic Noise Canceling 4-Pin CB Microphone User Manual](#)

## Astatic 636LB1

# Astatic 636LB1 Dynamic Noise Canceling 4-Pin CB Microphone User Manual

Model: 636LB1 | Brand: Astatic

## 1. INTRODUCTION

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The Astatic 636LB1 is a dynamic noise-canceling microphone designed for clear voice transmission in environments with high background noise. It is suitable for use with CB, Amateur Radio, and SSB communication systems. This microphone features a rugged construction and a 4-pin connection, making it ideal for close-talking handheld applications.



Figure 1: Front view of the Astatic 636LB1 microphone, showing the grille and Astatic logo.

## 2. KEY FEATURES

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- **Dynamic Noise Canceling:** Reduces background noise for clearer voice transmission.
- **4-Pin Connection:** Standard connector for compatibility with various CB and Amateur Radio equipment.
- **Rubberized Housing:** Provides a protective and comfortable grip.
- **Polyurethane Coated Steel Grille:** Durable screen protects the microphone element.
- **Press-to-Talk (PTT) Lever:** DPDT (Double Pole Double Throw) switch with spring return for reliable

operation.

- **Low Impedance Dynamic Element:** Ensures consistent audio quality.
- **Coiled Cord:** Provides flexibility and extends reach while preventing tangles.



Figure 2: Side view illustrating the Press-to-Talk (PTT) lever on the microphone.

### 3. SETUP AND INSTALLATION

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Follow these steps to connect your Astatic 636LB1 microphone to your radio equipment:

1. **Power Off Radio:** Ensure your CB or Amateur Radio unit is powered off before connecting or

disconnecting any accessories.

2. **Locate Microphone Port:** Identify the 4-pin microphone input port on your radio. This is typically a circular connector.
3. **Connect Microphone:** Align the 4-pin connector of the Astatic 636LB1 microphone with the radio's microphone port. Gently push the connector in and twist the locking ring clockwise until it is secure. Do not force the connection.
4. **Secure Microphone Hanger (Optional):** If your radio or vehicle has a microphone hanger, place the microphone onto it for convenient storage when not in use.
5. **Power On Radio:** Once the microphone is securely connected, you may power on your radio.



Figure 3: Detail of the 4-pin microphone connector.

## 4. OPERATING INSTRUCTIONS

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The Astatic 636LB1 microphone is designed for straightforward operation:

- **Holding the Microphone:** Hold the microphone approximately 1 to 2 inches (2.5 to 5 cm) from your mouth. This close-talking technique maximizes the noise-canceling effect and ensures clear audio transmission.
- **Transmitting:** To transmit, press and hold the Press-to-Talk (PTT) lever located on the side of the microphone. Speak clearly into the microphone.
- **Receiving:** To receive incoming transmissions, release the PTT lever.
- **Volume Adjustment:** Adjust the audio output volume using the controls on your radio unit, not on the microphone itself.

## 5. CARE AND MAINTENANCE

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Proper care will extend the life and performance of your microphone:

- **Cleaning:** Wipe the microphone housing with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure no moisture enters the microphone grille.
- **Storage:** Store the microphone in a clean, dry environment when not in use. Avoid extreme temperatures.
- **Cord Care:** Do not excessively pull, twist, or stretch the coiled cord. Avoid kinking the cord, especially near the connectors, to prevent internal wire damage.
- **Connector Inspection:** Periodically check the 4-pin connector for any signs of corrosion or damage.

## 6. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No audio transmission	Microphone not properly connected. Radio not powered on. PTT lever not pressed.	Ensure 4-pin connector is fully seated and locked. Verify radio power. Press and hold PTT lever during transmission.
Poor audio quality / Excessive background noise	Microphone too far from mouth. Radio audio settings incorrect. Damaged microphone element.	Hold microphone 1-2 inches from mouth. Adjust radio's microphone gain/sensitivity. If problem persists, contact support.
PTT lever stuck or unresponsive	Debris in switch mechanism. Internal switch failure.	Gently inspect for obstructions. Do not attempt to disassemble. Contact support if switch is faulty.

## 7. SPECIFICATIONS

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<b>Microphone Type</b>	Dynamic, Noise Canceling
<b>Frequency Response</b>	100 to 5000 Hz
<b>Impedance</b>	200 Ohms
<b>Connector</b>	4-Pin Standard
<b>Housing Material</b>	Rugged ABS with Rubberized Coating
<b>Grille Screen</b>	Polyurethane Coated Steel
<b>Dimensions (H x W x D)</b>	3-15/16" x 2-31/32" x 2-5/8" (approx. 100mm x 75mm x 67mm)
<b>Weight</b>	10 oz (approx. 283 g)
<b>Polar Pattern</b>	Unidirectional
<b>Signal-to-Noise Ratio</b>	60 dB

## 8. WARRANTY INFORMATION

Specific warranty details for the Astatic 636LB1 microphone are typically provided with the product packaging or can be obtained from the manufacturer's official website. Please retain your proof of purchase for warranty claims.

For information regarding extended protection plans, please refer to the retailer where the product was purchased.

## 9. CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Astatic customer support through their official website or the contact information provided with your product.

You can visit the Astatic Store for more information:[Astatic Official Store](#)

## Related Documents - 636LB1

	<p><b>Astatic Microphones: D104 Family and More - Product Catalog &amp; Technical Guide</b></p> <p>Explore the range of Astatic communication microphones, including the classic D104 family, Silver Eagle, Road Devil, 636L, and more. Features, specifications, and technical notes for amateur radio operators.</p>
	<p><b>Astatic AST878DM Transistorized Desk Paging Microphone - Product Overview and Specifications</b></p> <p>Detailed information on the Astatic AST878DM, a rugged, omni-directional ceramic desk paging microphone designed for industrial and commercial applications. Features include push-to-talk functionality, adjustable volume, and a durable Cyclocel housing. Specifications, applications, and warranty details are provided.</p>
	<p><b>Astatic 575M-6 Transistorized Microphone with External Controls</b></p> <p>Detailed specifications and operational guide for the Astatic 575M-6 transistorized microphone, featuring external tone and volume controls, high gain amplifier, and a durable design.</p>
	<p><b>ASTATIC 40-118 Microphone Base: Technical Specifications and Operation</b></p> <p>Detailed specifications, user techniques, operation, and warranty information for the ASTATIC 40-118 utility microphone base, designed for professional audio applications.</p>

	<p><a href="#"><b>Astatic MP200 Multifunction Audio/Video Media Player User Guide</b></a></p> <p>User guide for the Astatic MP200 Multifunction Audio/Video Media Player, detailing its features, setup, operation, and specifications. Includes information on CD/USB audio playback, DVD and USB video playback, Bluetooth connectivity, and important safety instructions.</p>
	<p><a href="#"><b>Astatic AMC 105 Dynamic Omnidirectional Gooseneck Microphone Specifications</b></a></p> <p>Detailed specifications and overview of the Astatic AMC 105 Series dynamic omnidirectional gooseneck microphone, including its features, applications, technical data, and warranty information.</p>