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> [Astatic RD104E Road Devil Amplified 4-Pin CB Microphone User Manual](#)

Astatic RD104E (302-10036)

Astatic RD104E Road Devil Amplified 4-Pin CB Microphone User Manual

Model: RD104E (302-10036)

INTRODUCTION

The Astatic RD104E Road Devil is an amplified 4-pin CB microphone designed for clear and powerful communication in automotive and truck environments. It features a high-gain amplifier with electronic equalization and noise-canceling capabilities to ensure maximum talk power and intelligibility, even in noisy conditions. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your RD104E microphone.

FEATURES

- Designed for CB Radio-Automotive and Truck Use.
- Features a High Gain Amplifier with Electronic Equalization.
- Provides Maximum Talk Power and Intelligibility even Under Noisy Conditions.
- Designed for Close Talking Handheld Applications.
- Includes Amplifier & 6 Wire Cable.
- Polyurethane Coated Steel Grille Screen for durability.
- Volume Control boosts power and amplifies microphone output.
- Electret Noise Canceling Element assures clarity in noisy conditions.
- Super High Quality Heavy Duty Cord.

SETUP

Follow these steps to set up your Astatic RD104E microphone:

1. **Battery Installation:** The RD104E requires one 9V battery for its internal amplifier.
 - Carefully open the microphone casing to access the battery compartment.
 - Connect a fresh 9V battery to the battery clips, ensuring correct polarity.
 - Securely close the microphone casing.



Image: The Astatic RD104E microphone with its internal battery wires visible, ready for 9V battery connection.

2. **Connecting to CB Radio:** The microphone is equipped with a 4-pin connector.
 - Locate the 4-pin microphone input on your CB radio.

- Align the pins of the microphone connector with the corresponding holes on the radio's input.
- Gently push and twist the connector clockwise until it is securely fastened.



Image: The Astatic RD104E microphone showing its coiled cord and the 4-pin connector for attachment to a CB radio.

OPERATING INSTRUCTIONS

To achieve optimal performance from your RD104E microphone, follow these operating guidelines:

- 1. Power On/Off:** The microphone's amplifier is powered by the installed 9V battery. There is no separate power switch on the microphone itself; it activates when connected to the CB radio and the radio is powered on.
- 2. Push-To-Talk (PTT) Button:**
 - To transmit, press and hold the PTT button located on the side of the microphone.
 - Speak clearly into the microphone while holding the PTT button.
 - Release the PTT button to stop transmitting and return to receive mode.
- 3. Volume/Gain Adjustment:** The RD104E features a volume control slider on the side of the microphone.
 - Slide the control to adjust the microphone's output gain. Start with a lower setting and gradually increase it to find the optimal level for your voice and radio.
 - Avoid setting the gain too high, as this can cause distortion and over-modulation, making your transmissions unclear.



Image: A close-up view of the Astatic RD104E microphone, highlighting the adjustable volume control slider on its side.

4. **Optimal Speaking Distance:** For best audio clarity and to utilize the noise-canceling feature effectively, hold the microphone close to your mouth (approximately 1-2 inches) while speaking.



Image: A person holding and speaking into the Astatic RD104E microphone inside a vehicle, demonstrating typical usage.

MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the microphone. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Replacement:** Replace the 9V battery when you notice a decrease in audio output or clarity, or if the microphone stops functioning. Always use a fresh, high-quality 9V battery.
- **Cord Care:** Avoid excessive pulling, twisting, or kinking of the coiled cord to prevent internal wire damage.
- **Storage:** When not in use, store the microphone in a clean, dry place away from extreme temperatures and direct sunlight.

TROUBLESHOOTING

If you encounter issues with your Astatic RD104E microphone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio output or very low audio.	Dead or weak 9V battery. Microphone gain set too low. Loose connection to CB radio. Faulty CB radio microphone input.	Replace the 9V battery. Adjust the volume/gain slider on the microphone. Ensure the 4-pin connector is securely attached. Test with another microphone if available, or check your CB radio's manual.
Distorted or unclear audio.	Microphone gain set too high. Speaking too far or too close to the microphone. Environmental noise.	Reduce the volume/gain slider on the microphone. Maintain an optimal speaking distance (1-2 inches). Ensure the noise-canceling feature is properly utilized by speaking directly into the mic.
PTT button not engaging transmission.	Loose connection. Internal wiring issue (less common). CB radio issue.	Check and re-secure the 4-pin connector. If the issue persists, contact Astatic customer support. Verify CB radio functionality with another microphone.

If the problem persists after attempting these solutions, please contact Astatic customer support or a qualified technician.

SPECIFICATIONS

Model Name	RD104E (302-10036)
Brand	Astatic
Microphone Form Factor	Handheld
Connectivity Technology	XLR (4-Pin Connector)
Power Source	Battery Powered (1 x 9V Lithium Ion battery required for amplifier)
Material	Plastic
Color	Black
Polar Pattern	Unidirectional
Signal-to-Noise Ratio	80 dB
Item Weight	0.01 Ounces
Product Dimensions (L x W x H)	10.25 x 2.9 x 8.3 inches
Compatible Devices	CB Radio
Special Features	Runs on Plug-In Power (for connection to CB radio)

WARRANTY INFORMATION

For detailed warranty information regarding your Astatic RD104E Road Devil Amplified 4-Pin CB Microphone, please refer

to the official Astatic website or the warranty card included with your product packaging. Warranty terms and conditions may vary.

SUPPORT

If you require further assistance, have questions not covered in this manual, or need technical support, please contact Astatic customer service. Contact information can typically be found on the official Astatic website or on your product packaging.