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## Midland ER310PRO

# Midland ER310PRO Portable Emergency Weather Radio User Manual

Your essential guide to operating and maintaining your Midland ER310PRO.

## INTRODUCTION

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The Midland ER310PRO is a versatile portable emergency radio designed to keep you informed and connected during critical situations. It features AM/FM and NOAA weather band reception, multiple power sources, a powerful LED flashlight with SOS beacon, an ultrasonic dog siren, Bluetooth streaming, and a 10,000 mAh power bank for charging external devices. This manual provides detailed instructions for its setup, operation, and maintenance.

## PRODUCT OVERVIEW

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Figure 1: Front view of the Midland ER310PRO, highlighting the digital display, control buttons for band, weather alert, volume, and tuning, and the integrated speaker.



Figure 2: Top view of the Midland ER310PRO, illustrating the solar panel for charging, the powerful LED flashlight, and the extendable antenna.



**Figure 3:** Side view of the Midland ER310PRO, featuring the hand crank for manual power generation and the rubber-sealed cover protecting the USB-C input, USB-A output, and headphone jack.

## SETUP

### 1. Battery Installation

The ER310PRO includes a pre-installed rechargeable Lithium Polymer battery. Before first use, ensure the battery is properly seated and the protective tab (if present) is removed from the battery compartment. The battery compartment is located on the underside of the unit.

### 2. Initial Charging

For optimal performance, fully charge the internal Lithium Polymer battery before first use. You have several charging options:

- **USB-C Charging:** Connect the included USB-C cable to the radio's USB-C input port (located under the rubber flap on the side) and to a standard USB power adapter (not included) or computer.
- **Solar Panel:** Place the radio with the solar panel facing direct sunlight. The solar panel charges the internal battery.

- **Hand Crank:** Extend the hand crank handle and rotate it clockwise or counter-clockwise for manual power generation.

### 3. Power On/Off

To turn on the radio, press and hold the **POWER** button for 2 seconds. To turn off the radio, press and hold the **POWER** button for 2 seconds.

### 4. Antenna Extension

For best reception, fully extend the telescopic antenna when using AM/FM or Weather bands.

## OPERATING INSTRUCTIONS

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### 1. Radio Functions (AM/FM/Weather)

- **Band Selection:** Press the **BAND** button to cycle through AM, FM, and Weather (WX) bands.
- **Tuning:** Use the **TUNE UP** and **TUNE DOWN** buttons to adjust the frequency.
- **Volume Control:** Use the **VOL +** and **VOL -** buttons to adjust the audio volume.

### 2. NOAA Weather Scan and Alert

The ER310PRO features NOAA Weather Scan and Alert capabilities to provide timely weather information.

- **Weather Scan:** The radio automatically scans through 7 available weather (WX) band channels and locks onto the strongest signal.
- **Weather Alert:** When a severe weather alert is issued, the radio will sound an alarm, flash the flashlight, and display the alert message.
- **Programming Alerts:** Press and hold the **WX ALERT** button to enter the programming menu. Use the tuning buttons to navigate and select options such as time, backlight settings, and specific alert types.

### 3. Flashlight and SOS Beacon

The powerful CREE LED flashlight (130 Lumens) has multiple modes:

- **Low Beam:** Press the flashlight button once.
- **High Beam:** Press the flashlight button a second time.
- **SOS Beacon:** Press the flashlight button a third time to activate the SOS Morse code flashing signal.

### 4. Ultrasonic Dog Siren

To activate the ultrasonic dog siren, press and hold the flashlight button for 2 seconds. This feature is designed to assist search and rescue teams in locating individuals with dogs.

### 5. Bluetooth Streaming

Connect your smartphone or other Bluetooth-enabled device to the ER310PRO to stream audio.

- **Pairing:** Ensure the radio is in Bluetooth mode (indicated on the display). On your device, search for and select "Midland ER310PRO" to pair.

### 6. Power Bank Function

The integrated 10,000 mAh power bank allows you to charge external devices.

- **Charging Devices:** Connect your device's USB charging cable to the USB-A output port (located under

the rubber flap on the side).

## MAINTENANCE

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### 1. Battery Care

- Regularly charge the internal Lithium Polymer battery using any of the available methods.
- If using optional AA batteries as backup, ensure they are fresh and replace them periodically.

### 2. Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

### 3. Water Resistance

The ER310PRO is not waterproof. Avoid exposing the unit to heavy rain or submerging it in water. If using outdoors, consider placing it in a protective, heavy-duty plastic bag.

## TROUBLESHOOTING

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### 1. Poor Radio Reception

- Ensure the telescopic antenna is fully extended.
- Adjust the radio's position or location to improve signal strength, especially in hilly or obstructed areas.

### 2. No Weather Alerts

- Verify that your local state and county codes are correctly programmed into the radio. Refer to the NOAA website for accurate codes for your area.
- Ensure the weather alert function is enabled in the radio's settings.

### 3. Short Battery Life

- Ensure the internal Lithium Polymer battery is fully charged.
- If using AA batteries, ensure they are fresh and of good quality.
- Minimize use of high-power features like the flashlight or charging external devices if conserving battery life.

## SPECIFICATIONS

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- **Model Number:** ER310PRO
- **Dimensions:** 8.1 x 2.8 x 3.4 inches
- **Weight:** 1.65 pounds
- **Power Sources:** Internal 10,000 mAh Lithium Polymer battery (included), Solar Panel, Hand Crank, USB-C input, Optional AA batteries.
- **Radio Bands:** AM/FM/NOAA Weather
- **Connectivity:** Bluetooth
- **Flashlight:** 130 Lumens CREE LED with Low, High, and SOS modes
- **Special Features:** Ultrasonic Dog Siren, Power Bank (USB-A output)
- **Material:** Plastic

## OFFICIAL PRODUCT VIDEO

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**Video:** ER310PRO Feature Overview by Midland Radio. This video provides a concise overview of the key features and functionalities of the Midland ER310PRO emergency weather radio.

## WARRANTY AND SUPPORT

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For detailed warranty information, product registration, and customer support, please refer to the documentation included with your product or visit the official Midland website. Specific contact details and warranty terms may vary by region.

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