

## AVANTEK CB-21 / CR-1

# AVANTEK Mini Wireless Doorbell Set User Manual

Model: CB-21 / CR-1

## INTRODUCTION

Thank you for purchasing the AVANTEK Mini Wireless Doorbell Set. This manual provides detailed instructions for the setup, operation, and maintenance of your new doorbell system. This set includes two mini-sized plug-in receivers and two push buttons, designed for convenience and reliability.



Image: The complete AVANTEK Mini Wireless Doorbell Set, showcasing two black plug-in receivers and two black push buttons.

## PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 2 x AVANTEK Mini Plug-in Receivers (CR-1)
- 2 x AVANTEK Push Buttons / Transmitters (CB-21)
- 4 x Screws
- 4 x Wall Anchors
- 1 x Mini Screwdriver/Key (for battery compartment)
- 2 x Double-sided Adhesive Pads
- 1 x User Manual (this document)

# 52 Chimes and Tunes



52 Chimes and Tunes



5 Volume Levels



LED Indicator

Image: A visual representation of the doorbell set components, including two receivers and two push buttons.

## SETUP GUIDE

### 1. Installing the Push Button (Transmitter)

1. **Choose a Location:** Select a flat, vertical surface near your door. Ensure the surface is clean and dry.

2. **Mounting with Adhesive Pad:**

- Peel off one side of the double-sided adhesive pad and firmly attach it to the back of the push button.
- Peel off the other side and press the push button firmly onto the desired wall location for at least 30 seconds.

3. **Mounting with Screws (Recommended for uneven surfaces or added security):**

- Open the back cover of the push button using the provided mini screwdriver/key.
- Mark the positions for the two screw holes on the wall.
- Drill two holes at the marked positions and insert the wall anchors.
- Align the push button's screw holes with the anchors and secure it with the provided screws.
- Close the back cover.

## 2. Installing the Plug-in Receiver

Simply plug the receiver into any standard electrical outlet within range of your push button. Ensure it is not obstructed by large metal objects or thick walls, which could interfere with the wireless signal.



Image: An illustration demonstrating how multiple transmitters can be installed at various entry points of a house, connecting to receivers inside.

## OPERATING INSTRUCTIONS

### 1. Adjusting Volume

The receiver has 5 adjustable volume levels, with a maximum setting of 115 dB. To adjust the volume, press the volume button on the side of the receiver repeatedly until you reach your desired level. An LED indicator will flash with each press.

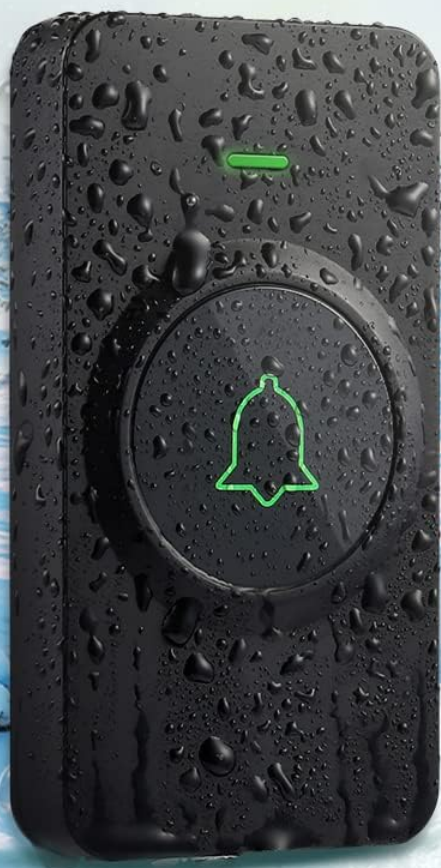
## **2. Changing Melodies**

Your doorbell set comes with 52 selectable melodies. To change the melody:

1. Press the "Forward" or "Backward" button on the side of the receiver to cycle through the available melodies.
2. Once you hear a melody you like, stop pressing the button. The receiver will automatically save the selected melody.



# IP55 Dustproof and Waterproof



**-4°F to 140°F**  
**(-20°C to 60°C)**

Operating Temperature



**3-Year**  
Maximum Lifespan

Image: A graphic illustrating the doorbell's features, including 52 available chimes, 5 volume levels, and the LED indicator.

### 3. Pairing and Customizing Transmitters (Setting Different Tones for Multiple Transmitters)

You can set a different ring tone for each transmitter, allowing you to know which doorbell has been rung (e.g., front door vs. back door).

1. **Select a Melody:** Choose the desired melody for the first transmitter by following the "Changing Melodies" steps above.
2. **Enter Pairing Mode:** Press and hold the volume button on the receiver for approximately 5 seconds until the LED indicator flashes rapidly. This indicates the receiver is in pairing mode.
3. **Pair Transmitter:** Within 5 seconds, press the push button of the transmitter you wish to pair. The receiver will chime, confirming successful pairing.
4. **Repeat for Other Transmitters:** If you have another transmitter, repeat steps 1-3, selecting a different melody for it if desired.

The system supports adding more AVANTEK CR-1/RB-1 plug-in receivers for increased coverage.

# Compact Size

Receiver won't block other sockets.

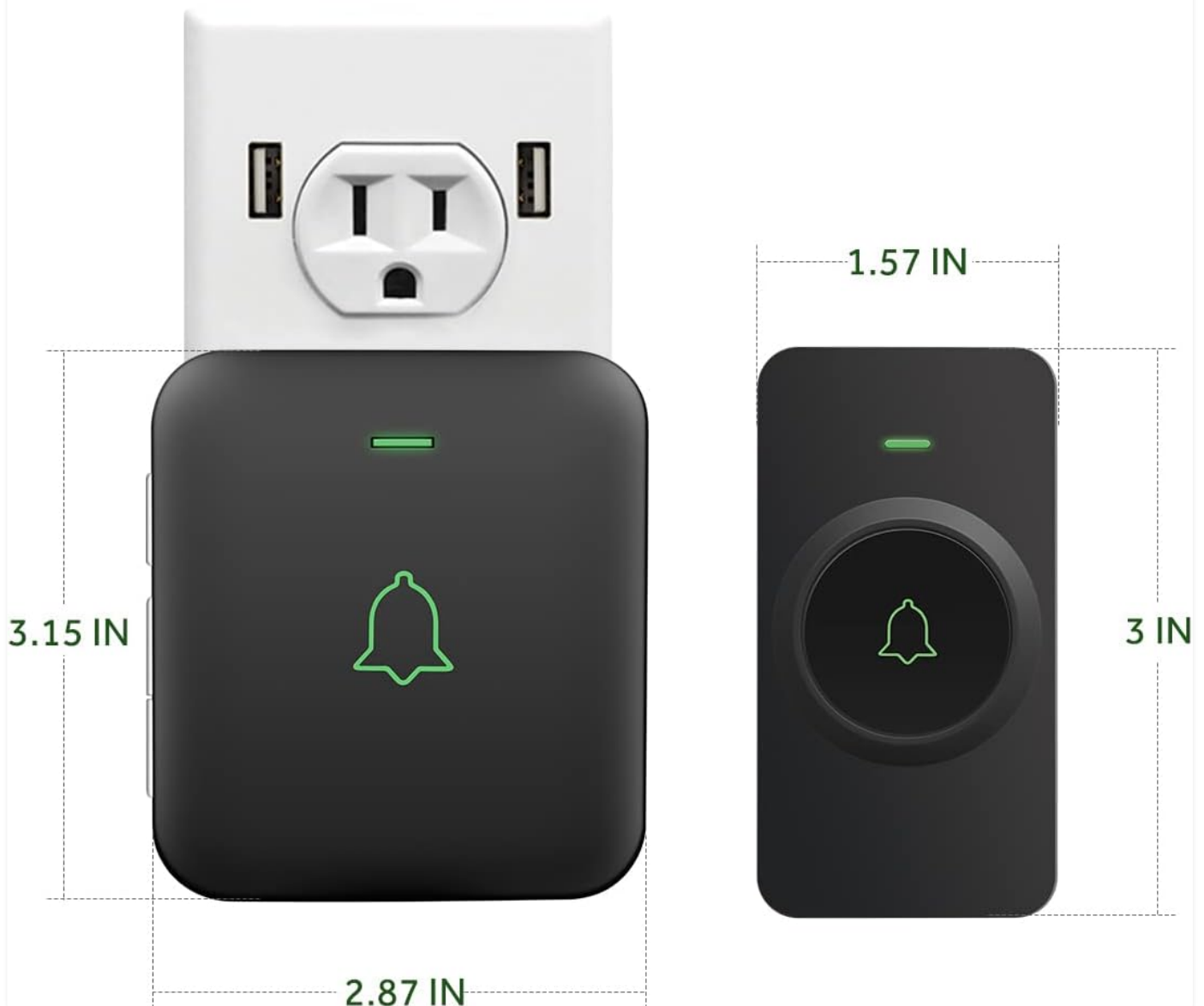
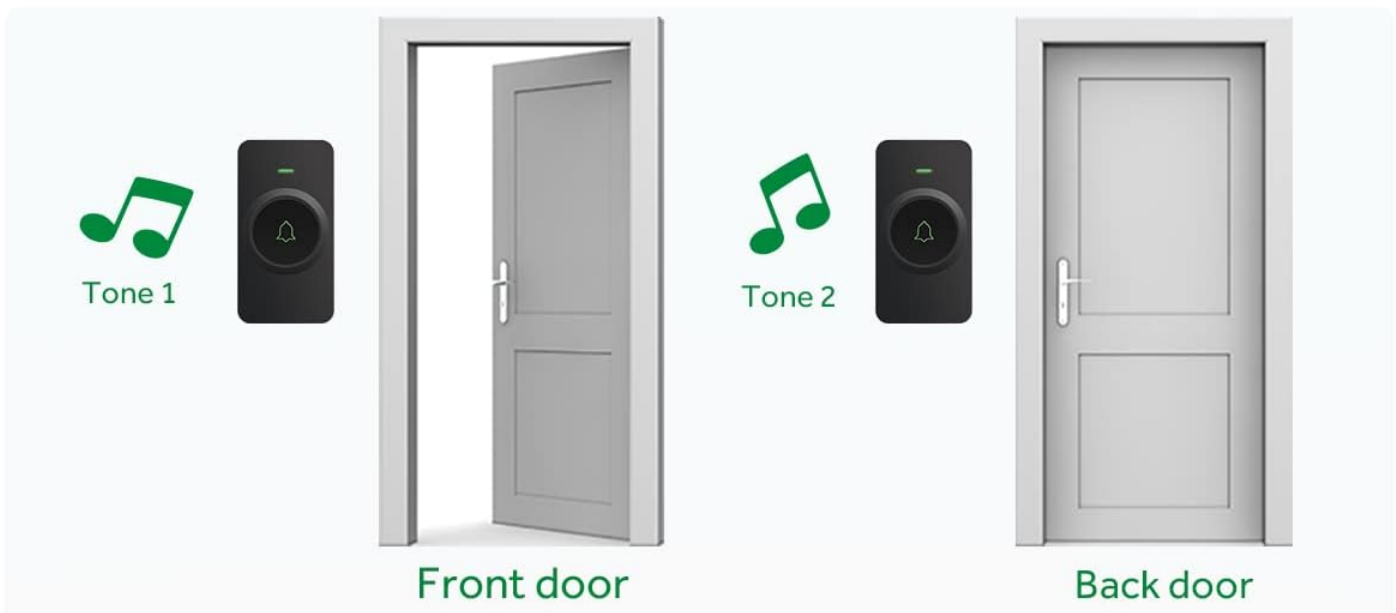


Image: A visual guide demonstrating how to assign different melodies to separate transmitters, such as one for the front door and another for the back door.



#### 4. Wireless Range

The AVANTEK Wireless Doorbell offers an impressive wireless range of up to 1,000 feet (300 meters) in an open area. This ensures you will never miss a visitor, even if you are several rooms away or on another floor. The signal is designed not to interfere with other equipment in your home or those of your neighbors.



## Customize Individual Transmitters

Differentiate transmitters with independent ring tones



Image: A diagram illustrating the extensive 1000 ft (300 m) wireless range of the doorbell system, showing coverage across a large property.

### 1. Battery Replacement (Transmitter)

The transmitter uses a lithium battery designed for ultra-low power consumption, boasting a maximum lifespan of 3 years. When the push button's LED indicator no longer lights up or the signal range decreases significantly, it's time to replace the battery.

1. Open the back cover of the push button using the provided mini screwdriver/key.
2. Carefully remove the old battery.
3. Insert a new CR2032 lithium battery, ensuring the positive (+) side faces up.
4. Close the back cover securely.

### 2. Cleaning

Wipe the doorbell units with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface.

### 3. Environmental Durability

The transmitter has an IP55 dustproof and waterproof rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is designed to withstand various harsh weather conditions and operates effectively between -4 °F to 140 °F (-20 °C to 60 °C).



1000 ft/300 m



**1000 ft (300 m)**  
**Wireless Range**

Never miss a visit or delivery.

Image: A visual representation highlighting the doorbell's IP55 dustproof and waterproof rating, its wide operating temperature range, and the 3-year maximum lifespan of its battery.

Problem	Possible Cause	Solution
Receiver does not chime.	Receiver unplugged or power outage. Transmitter battery is dead. Transmitter and receiver are not paired. Out of range or signal interference.	Ensure receiver is plugged in and power is on. Replace transmitter battery (CR2032). Re-pair the transmitter and receiver (refer to "Pairing" section). Move receiver closer to transmitter; avoid large metal objects or thick walls.
Short wireless range.	Obstructions (metal, thick walls). Low transmitter battery. Interference from other wireless devices.	Relocate receiver or transmitter to minimize obstructions. Replace transmitter battery. Try moving the doorbell away from other electronics.
Melody changes unexpectedly.	Accidental button press on receiver. Interference.	Re-select desired melody. Ensure receiver is not near other devices emitting strong signals.

## SPECIFICATIONS

Feature	Detail
Model	Wireless Doorbell CB-21 (Transmitter) and Plug-in Receiver CR-1
Wireless Range	Up to 1,000 ft (300 m) in open area
Melodies	52 selectable chimes
Volume Levels	5 levels (up to 115 dB)
Transmitter Battery	CR2032 Lithium Battery (approx. 3-year lifespan)
Waterproof Rating	IP55 (Transmitter)
Operating Temperature	-4 °F to 140 °F (-20 °C to 60 °C)
Receiver Power	AC 110-240V (Plug-in)
Dimensions (Receiver)	Approx. 3.15 in x 2.87 in (80 mm x 73 mm)
Dimensions (Transmitter)	Approx. 3 in x 1.57 in (76 mm x 40 mm)

# 2 Transmitters + Multiple Receivers



Image: A diagram illustrating the compact dimensions of both the plug-in receiver and the push button transmitter.

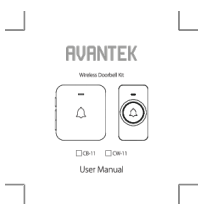


## WARRANTY AND SUPPORT

AVANTEK products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included in your product packaging or visit the official AVANTEK website. If you encounter any issues or



have questions regarding your doorbell set, please contact AVANTEK customer support for assistance. You can visit the official AVANTEK store on Amazon for more information and support:[AVANTEK Store](#)

Related Documents

	<p><a href="#">AVANTEK Wireless Doorbell Kit User Manual</a></p> <p>Comprehensive user manual for the AVANTEK Wireless Doorbell Kit, covering features, installation, operation, and troubleshooting for models CB-11 and CW-11. Includes technical specifications and important notices.</p>
	<p><a href="#">AVANTEK Wireless Doorbell Kit User Manual</a></p> <p>User manual for the AVANTEK Wireless Doorbell Kit, covering features, installation, operating instructions, and troubleshooting for models CB-11 and CW-11.</p>
	<p><a href="#">AVANTEK Wireless Doorbell Kit User Manual - CB-12, CW-12</a></p> <p>Comprehensive user manual for the AVANTEK Wireless Doorbell Kit (models CB-12, CW-12), covering features, installation, operation, and troubleshooting. Includes technical specifications and setup guides.</p>
	<p><a href="#">AVANTEK Wireless Doorbell Kit CB-11/CW-11 User Manual</a></p> <p>Comprehensive user manual for the AVANTEK Wireless Doorbell Kit (Models CB-11 and CW-11), detailing features, installation, operation, and troubleshooting.</p>