

## AVANTEK BA-12

# AVANTEK BA-12 Wireless Doorbell System User Manual

Model: BA-12

## 1. INTRODUCTION

Thank you for choosing the AVANTEK BA-12 Wireless Doorbell System. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new doorbell system. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.



Image 1.1: Overview of the AVANTEK BA-12 Wireless Doorbell System components.

## 2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 2 × Wireless Cordless Receivers (3 AAA batteries included in each)
- 1 × Transmitter (CR2032 battery included)
- 1 × Adhesive Tape
- 1 × Screwdriver
- 2 × Screws
- 2 × Anchors
- 1 × User Manual

## 3. PRODUCT FEATURES

The AVANTEK BA-12 Wireless Doorbell System offers the following key features:

- **Convenient Battery-Powered Receivers:** Each receiver operates on 3 AAA batteries (included), eliminating the need for an electrical outlet.
- **Ultra-Long Wireless Range:** Up to 300 meters (1000 feet) operating range, ensuring you hear the doorbell from anywhere in your home.

- **Extensive Chime Selection:** Choose from 52 distinct melodies.
- **Adjustable Volume Levels:** 5 volume levels with a maximum setting of 115 dB for clear audibility.
- **High-Performance Transmitter:** Features ultra-low power consumption with a CR2032 lithium battery, offering up to a 3-year lifespan.
- **Durable Design:** IP55 dustproof and waterproof rating, suitable for various weather conditions.
- **Memory Function:** Retains your last selected melody and volume level even after battery replacement.
- **Wide Operating Temperature:** Functions reliably between -20 °C to 60 °C (-4 °F to 140 °F).






-  **52 Chimes and Tunes**
-  **5 Volume Levels**
-  **0-115 dB Volume Range**
-  **Eye-Catching LED Notification**

Image 3.1: Key features of the doorbell receiver, including chime and volume options.

## 4. SETUP AND INSTALLATION

Follow these steps to set up your AVANTEK BA-12 Wireless Doorbell System:

#### 4.1. Transmitter Installation

1. **Select Location:** Choose a flat, vertical surface near your door for the transmitter. Ensure the surface is clean and dry.
2. **Mounting Options:**
  - **Adhesive Tape:** Peel off one side of the adhesive tape and attach it to the back of the transmitter. Press firmly onto the desired location for 30 seconds.
  - **Screws:** Use the provided screws and anchors to securely mount the transmitter to the wall. This method is recommended for uneven surfaces or enhanced security.
3. **Battery Check:** The transmitter comes with a pre-installed CR2032 battery. Ensure the plastic isolation tab is removed if present.

#### 4.2. Receiver Installation

1. **Battery Installation:** Each receiver requires 3 AAA batteries (included). Open the battery compartment on the back of the receiver and insert the batteries, observing the correct polarity (+/-).
2. **Mounting:** Screw the mounting bracket onto the wall using the provided screws and anchors. Once the bracket is secure, hook the receiver onto the bracket.

## Installation Instruction

Screw the mounting bracket onto the wall  
and then hook the receiver on.



Image 4.1: Illustration of receiver mounting using screws and bracket.

# Mini yet Mighty



Image 4.2: Components and dimensions of the doorbell units.

## 5. OPERATING INSTRUCTIONS

Once installed, your AVANTEK BA-12 Wireless Doorbell System is ready for use.

### 5.1. Changing Melodies

To select a different melody:

- On the receiver, press the 'Next' or 'Previous' button (typically located on the side) to cycle through the 52 available melodies.
- The receiver will play a preview of each melody as you press the button.

### 5.2. Adjusting Volume

To adjust the volume level:

- On the receiver, press the 'Volume' button (typically located on the side) to cycle through the 5 volume levels.
- The receiver will play a sound at the selected volume level.

### 5.3. Memory Function

The doorbell system features a memory function. Your last selected melody and volume level will be automatically saved and restored after battery replacement or power interruption, eliminating the need to reset your preferences.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your doorbell system.

### 6.1. Battery Replacement

- **Transmitter:** The transmitter uses a CR2032 lithium battery with an approximate 3-year lifespan. When the transmitter's LED indicator no longer lights up or the range decreases significantly, replace the battery. Use the provided screwdriver to open the battery compartment.
- **Receivers:** Each receiver uses 3 AAA batteries. Replace them when the sound becomes faint or the receiver stops responding. Open the battery compartment on the back of the receiver.
- Always dispose of used batteries responsibly.

### 6.2. Cleaning

Wipe the doorbell units with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.

### 6.3. Environmental Considerations

The transmitter is IP55 dustproof and waterproof, designed to withstand outdoor conditions. However, avoid submerging the unit in water. The system operates effectively within a temperature range of -20 °C to 60 °C (-4 °F to 140 °F).

# IP55 Dustproof and Waterproof



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

Image 6.1: The transmitter's IP55 rating and operating temperature range.

## 7. TROUBLESHOOTING

If you encounter issues with your doorbell system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Receiver does not ring.	Low or dead batteries in receiver or transmitter.	Replace batteries in both the receiver (AAA) and transmitter (CR2032).

Problem	Possible Cause	Solution
Short wireless range.	Obstructions (thick walls, metal structures) or interference. Low battery in transmitter.	Relocate receiver or transmitter to minimize obstructions. Replace transmitter battery.
Doorbell rings unexpectedly.	Interference from other wireless devices.	The system is designed to minimize interference. If this persists, contact support.
Cannot change melody or volume.	Buttons not functioning or receiver issue.	Ensure batteries are fresh. If problem persists, contact support.

**Important Compatibility Note:** The AVANTEK BA-12 battery-operated doorbell kits are designed to pair exclusively with other AVANTEK battery-operated doorbell kits (models BA-11, AW-11, BA-12). They are not compatible with other kits or accessories from AVANTEK or other brands.





Image 7.1: Illustration of the doorbell's wireless range capability.

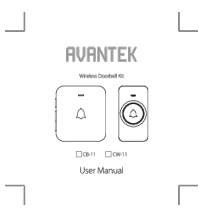


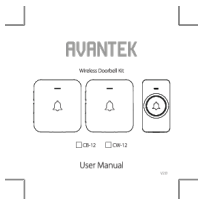
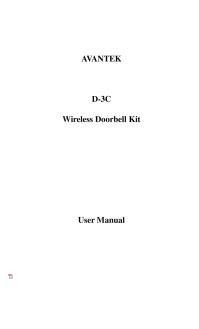
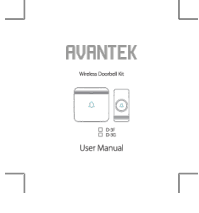
## 8. SPECIFICATIONS

- **Model:** BA-12
- **Wireless Range:** Up to 300 meters (1000 feet) in open areas
- **Melodies:** 52 selectable chimes
- **Volume Levels:** 5 levels, up to 115 dB
- **Transmitter Battery:** 1 × CR2032 lithium battery (included)
- **Receiver Batteries:** 3 × AAA batteries per receiver (included)
- **Waterproof Rating:** IP55 (Transmitter)
- **Operating Temperature:** -20 °C to 60 °C (-4 °F to 140 °F)

## 9. WARRANTY AND SUPPORT

AVANTEK products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official AVANTEK website. If you require technical assistance or have questions not covered in this manual, please contact AVANTEK customer support through the contact information provided on the product packaging or the official website.

### Related Documents - BA-12

	<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 Doorbell Kit User Manual - Installation and Operation Guide</a></p> <p>Comprehensive user manual for the AVANTEK Wireless Doorbell Kit. Learn about installation, features, operation, and troubleshooting for this battery-operated, IP55 rated doorbell with 52 melodies and 300m range.</p>
	<p><a href="#">AVANTEK Wireless Doorbell Kit User Manual</a></p> <p>User manual for the AVANTEK Wireless Doorbell Kit, featuring setup instructions, features, technical specifications, and troubleshooting for models CB-21 and CW-21.</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 D-3C Wireless Doorbell Kit User Manual - Setup, Features, and Troubleshooting</a></p> <p>Comprehensive user manual for the AVANTEK D-3C Wireless Doorbell Kit. Learn about its features, technical specifications, installation, operation, troubleshooting, and FCC compliance.</p>
	<p><a href="#">Avantek Wireless Doorbell Kit User Manual</a></p> <p>User manual for the Avantek Wireless Doorbell Kit, model D-3F and D-3G. This guide provides instructions on setup, operation, features, and troubleshooting for the wireless doorbell system.</p>



[\[pdf\]](#) Test Report

kevin liang 25021716136RFC 1 Report X Sense Innovations Co Ltd DCP Round Portable BT Speaker with Loop 2AU4DDCP dcp

Page 1 of 24 Report No.: 25021716136RFC-1 TEST REPORT Product Name: Trade Mark: Model No.: HVIN: Add. Model No.: Report Number: Test Standards: FCC ID: IC: Test Result: Date of Issue: Wireless Doorbell AVANTEK CB-21, WA-11 XJ-DB-C3-Send-V1.0 CW-21, CB-12, CW-12, CR-1, CR-2, CB-11, CW-11, BA-11, ...  
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