ADM-1000

DECT Wirless Microphone

User Manual



Publication Date: March 2025 | Firmware: 00

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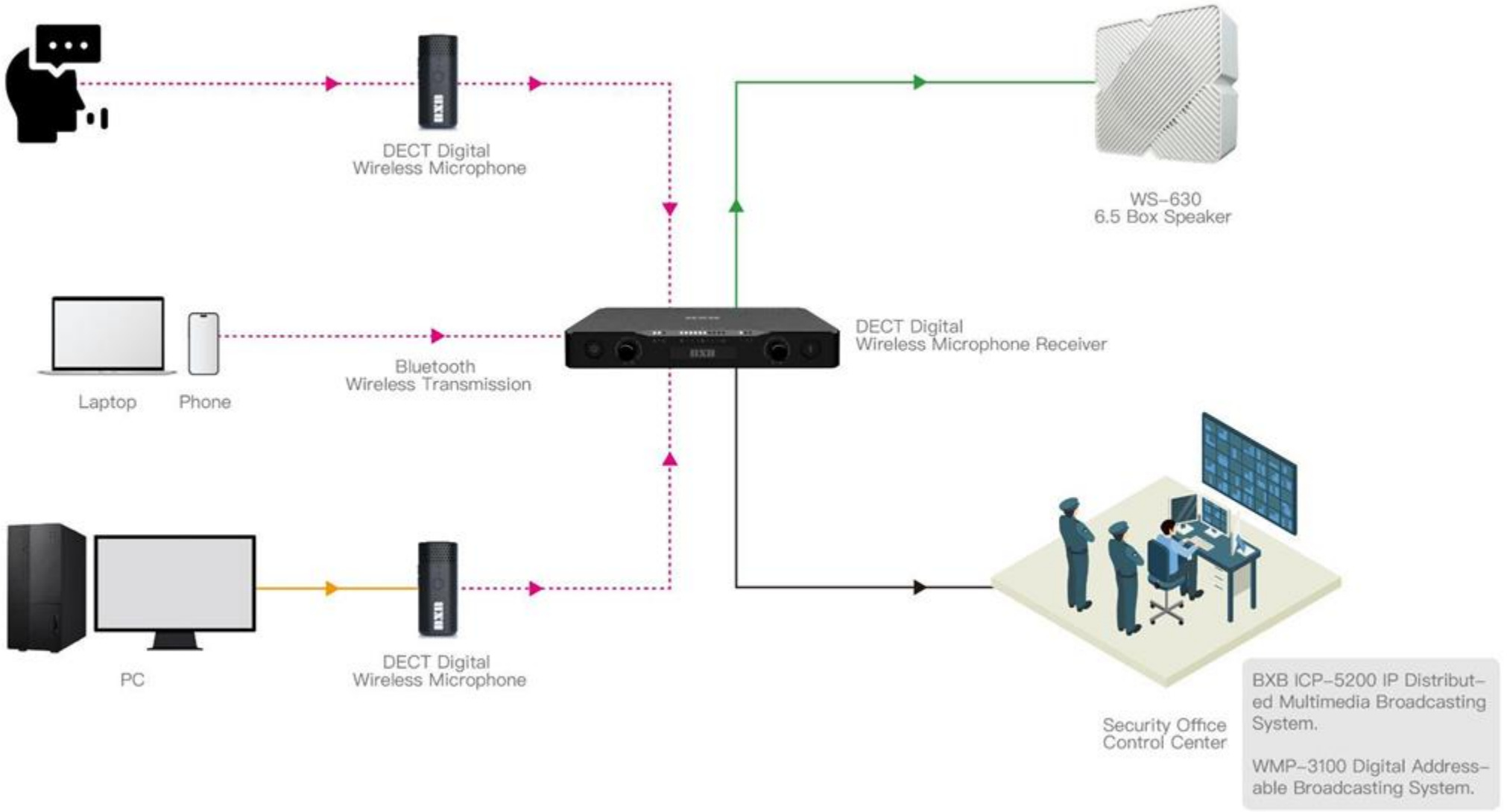
Safety Instruction

1. Please read the user manual carefully before installing or operating this device.
2. Keep the manual in a safe place for future reference.
3. Always follow the instructions and heed the warnings provided.
4. Use only accessories recommended by the distributor and parts supplied by the manufacturer. The manufacturer assumes no responsibility for damage caused by improper mounting or unauthorized parts.
5. Make sure the power cord is securely and properly connected. Avoid using three-prong adapters or extension cords to prevent the risk of fire or electrical short circuits.
6. Do not insert objects into the device or spill liquids onto it, as this can cause short circuits.
7. Contact a qualified technician if you encounter any of the following issues:
    - A damaged power cord or plug
    - Water intrusion into the device
    - Inability to operate properly even when following the instructions
    - Physical damage from being dropped
    - Other malfunctions requiring professional service
8. Handle the device and any connected peripherals with care to avoid damage from impacts or excessive shaking.
9. Do not attempt to disassemble the base receiver or any peripherals yourself.
    - The device contains high-voltage and sensitive electronic circuits. Unauthorized disassembly could lead to electric shock or damage.
    - When parts replacement is necessary, ensure only components certified by the original manufacturer are used. Unauthorized parts may cause shorts or fires.
10. Operate the device within a temperature range of 0°C to 40°C (32°F to 104°F) and keep humidity below 90%.
11. Avoid exposing the device to rain or high humidity. Place it in a dry location, and if used outdoors, ensure adequate protection from the elements.
12. To clean the surface of the device or peripherals, use a slightly damp cloth. Do not apply liquid or spray cleaners directly.
13. Whether the device is running or powered off, avoid rapid on/off cycling to protect its sensitive electronics from damage due to power surges.

Note: When handling the printed circuit board (PCB), proper ESD (Electrostatic Discharge) precautions and grounding must be observed.

Note: Before connecting to a power outlet, verify that the device’ s input voltage matches local power standards.

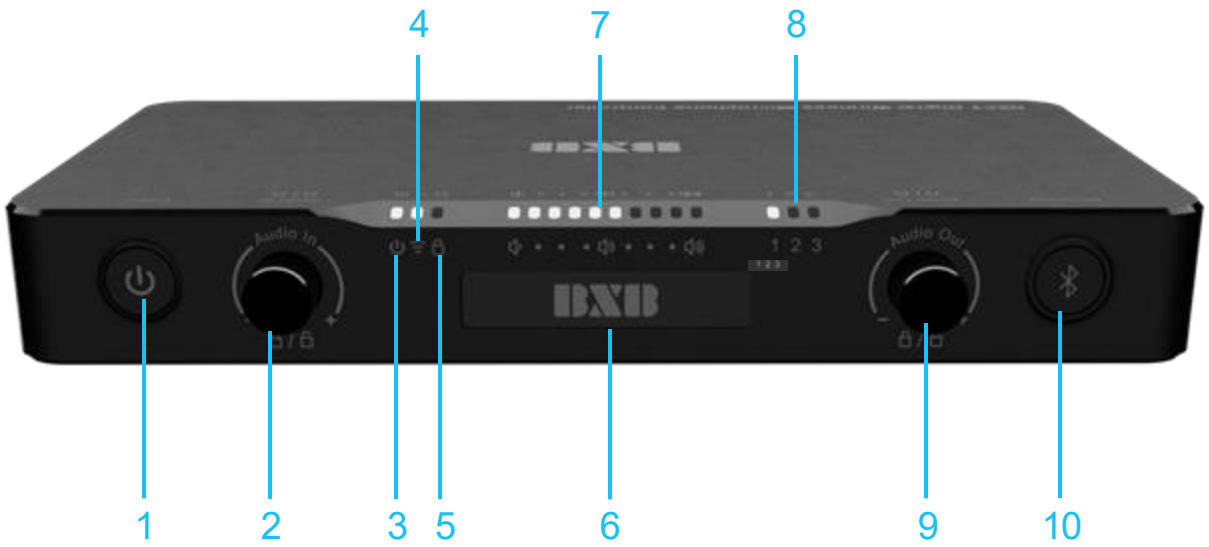
Connection Diagram



Type-C Wireless Transmission Speaker cable Control cable

Physical Description

ADM-1050 DECT Front Panel of the Digital Wireless Microphone Base Receiver



Port Descriptions

1. **Power Button:** Turns the base receiver on or off.
2. **Audio Input Volume Knob:** Adjusts the input volume for audio sources connected via the rear input ports.
3. **Status LED:** Indicates the current operating status of the device.
4. **Bluetooth Pairing LED:** Shows the Bluetooth pairing progress and connection status.
5. **Lock Indicator:** Signals whether the volume controls are locked.
6. **IR Receiver for Pairing:** Receives infrared signals from the microphone to establish a connection.
7. **Volume Level LEDs:** Display the current volume setting.
8. **Microphone Connection Indicator:** Shows the connection status with the paired microphone.
9. **Audio Output Volume Knob:** Adjusts the output volume for audio routed through the rear output ports.
10. **Bluetooth Button:** Initiates or manages connections with Bluetooth-enabled devices.

Physical Description

ADM-1050 DECT Wireless Microphone Base Receiver

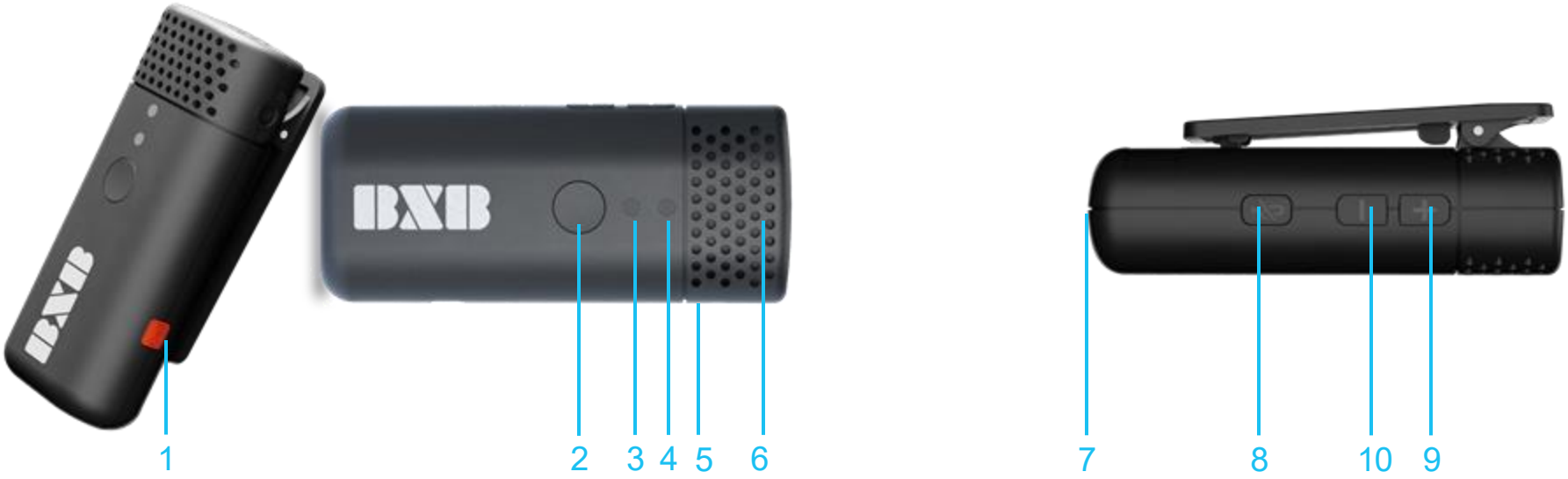


Port Descriptions

1. **Tone Control Knob:** Fine-tunes the sound output quality.
2. **Audio Input Jack:** Connects a stereo line-level audio source.
3. **Priority Audio Input Jack:** Accepts a stereo line input that overrides other audio sources.
4. **Audio Output Jack:** Outputs stereo line-level audio
5. **Current Sensor Connector:** Connects to a current sensor; use the nearby knob to adjust the detection sensitivity.
6. **Mute Trigger Input:** Accepts a dry contact signal to mute the system.
7. **Trigger Output:** Sends a dry contact signal when the microphone is activated to trigger external devices.
8. **Speaker Output Terminal:** Connects to 4-8Ω fixed-impedance speakers for audio output.
9. **Power Input:** Connects to a DC 24V / 2.5A power supply.

Physical Description

ADM-1010 DECT Wirless Microphone



Port Descriptions

1. **Emergency Call Button**: Triggers external alerts through the base station upon activation.
2. **Power/Pairing Button**: Turns the device on/off and initiates pairing with the base station.
3. **Communication Status Indicator**: Displays the microphone's communication status.
4. **Power Status Indicator**: Shows the microphone's power status.
5. **Headset Port**: Connects to a headset for audio input and monitoring.
6. **IR Pairing Sensor**: Enables infrared pairing with the base station.
7. **USB Port**: Connects to a power adapter for charging or to a computer for audio transmission.
8. **Mute Button**: Activates or deactivates the microphone's mute function.
9. **Volume Down Button**: Lowers the microphone's output volume.
10. **Volume Up Button**: Increases the microphone's output volume.

Operating Instructions

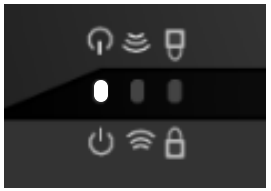
How to Operate the DECT Digital Wireless Microphone Base Receiver

1



Press the control button on the Base Receiver to power the system on or off. If the device is in standby mode, simply activate the paired "ADM-1010 DECT Wireless Microphone" to wake it. The Base Receiver will also automatically power on when it detects an audio input from a connected device.

2





When powered on, the power indicator will remain illuminated. If a microphone is connected or an audio input is detected, the Base Receiver cannot be turned off using the control button. If no microphone connection or audio input is detected within 30 minutes, the Base Receiver will automatically enter standby mode, and the power indicator will turn off.

Operating Instructions

Adjusting Audio Input on the DECT Wireless Microphone Base Receiver

1



When the Base Receiver is in locked mode (lock indicator illuminated), audio input volume cannot be adjusted. To unlock, press and hold the "Audio Input Volume Adjustment Knob" for five seconds.

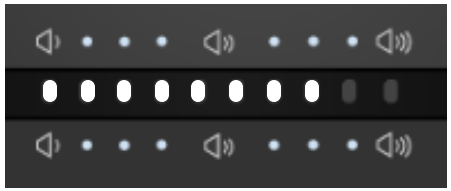
2



Once unlocked (lock indicator off), turn the "Audio Input Volume Adjustment Knob" to the right to increase the input volume, or to the left to decrease it.

Operating Instructions

3





The volume indicator will display the current input volume level.

Operating Instructions

Adjusting Audio Output on the DECT Wireless Microphone Base Receiver

1



When the Base Receiver is in locked mode (lock indicator illuminated), audio output volume cannot be adjusted. To unlock, press and hold the "Audio Output Volume Adjustment Knob" for five seconds.

2



Once unlocked (lock indicator off), turn the "Audio Output Volume Adjustment Knob" to the right to increase the output volume, or to the left to decrease it.

Operating Instructions

3





The volume indicator will display the current output volume level.

Operating Instructions

Activating Bluetooth Transmission on the DECT Wireless Microphone Base Receiver

1



2

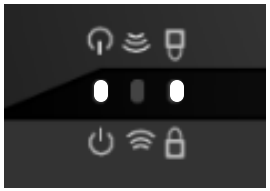


Press the "Bluetooth Function Button" to activate Bluetooth connectivity. During pairing mode, the Bluetooth status indicator will flash.

On your smartphone or other Bluetooth device, enable Bluetooth and select "DECT BASE" from the available device list to pair.

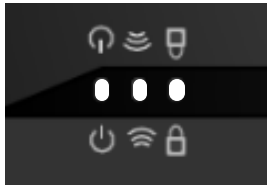
Operating Instructions

3





4





Once the Bluetooth connection is successfully established, the Bluetooth status indicator will turn off. You can now stream audio from the paired device to the Base Receiver for output.

Pressing the "Bluetooth Function Button" again will disconnect the current Bluetooth connection and return the Base Receiver to pairing mode (Bluetooth status indicator will flash).

Operating Instructions

Adjusting the Sound Quality Output on the DECT Wireless Microphone Base Receiver

1



2



If the base receiver is locked (indicated by a solid status light), sound quality adjustments are disabled. To unlock, press and hold the "Tone Control Knob" for five seconds.

Once unlocked (status light off), rotate the "Tone Control Knob" clockwise to increase the sound quality gain, or counterclockwise to reduce it.

Operating Instructions

3



The volume status light will display the current sound quality setting.

Operating Instructions

Connecting the DECT Wireless Microphone Base Receiver to a Line-In Audio Source

1



Connect a computer or mobile device to the line-in audio input on the base receiver, which will mix and output the audio signal.

2



Adjust the input volume using the "Audio Input Volume Adjustment Knob" on the front panel.

Operating Instructions

Line-Out Audio Output from the DECT Wireless Microphone Base Receiver

1



The "Line-Out Audio Source" port on the base receiver can be connected to external amplification devices, mixing the microphone and line-in audio for output.

2



The output volume can be controlled using the "Audio Output Volume Adjustment Knob" on the front panel.

Operating Instructions

Current Sensing Trigger Function on the DECT Wireless Microphone Base Receiver

1



2



The "Current Sensing Connection Port" on the base receiver connects to the current sensor. When the sensor is triggered, it activates the audio priority feature.
The detection trigger level can be adjusted via the knob.

When connected to a broadcast or fire alarm system, the base receiver will prioritize that audio output, muting other inputs such as the microphone or line-in audio.

Operating Instructions

Dry Contact Trigger on the DECT Wireless Microphone Base Receiver

1



2



The trigger input port can connect to systems like emergency broadcasts. In an emergency, it automatically mutes all audio sources.

The trigger output port links to an emergency call system; when the microphone's call button is pressed, it activates the emergency system.

Operating Instructions

Getting Started with the DECT Wireless Microphone

1



Press the "Power Button" briefly to turn on the microphone.

2



A solid green light indicates it’s on; if the battery runs low, the light will flash red.

Pairing Your DECT Wireless Microphone

1



If the "Communication Status Light" is off, the microphone isn’t paired.
If previously paired, the microphone and base receiver will reconnect automatically.

2



With the microphone on, press the "Power Button" again to enter pairing mode.

Operating Instructions

3



4

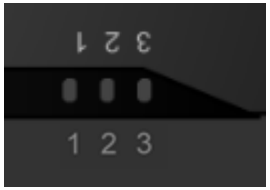


In pairing mode, the "Communication Status Light" flashes blue.

Aim the microphone at the receiver’s infrared sensor to complete pairing.

Operating Instructions

5







After successful pairing, the light turns solid blue, and the receiver’s communication light will illuminate, ready for use.

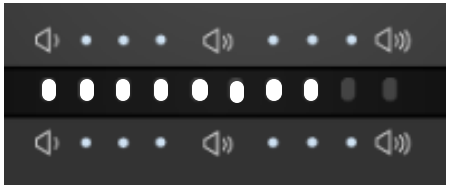
Operating Instructions

Increasing the Microphone Volume

1



2





Press the "Volume Up Button" to increase the microphone volume.

The base receiver’s volume status lights will show the current volume level.

Operating Instructions

Decreasing the Microphone Volume

1



2



Press the "Volume Down Button" to decrease it.

The base receiver’s volume status lights will show the current volume level.

Operating Instructions

Muting the Microphone

1



Press the "Mute Button" to activate mute mode — the communication status light will turn solid orange.

2



Press again to unmute and return the light to solid blue.

操作說明 Using the Emergency Call Feature

1



2



Press the "Emergency Call Button" to activate the receiver’s external dry contact trigger.

This immediately links the microphone to emergency call systems.

Operating Instructions

Connecting a Headset

1



Plug a headset into the microphone’s headset port.

2



You can listen to the base receiver’s audio output and use the headset mic for speech amplification.

Operating Instructions

Connecting to a Computer

1



Use a USB Type-C cable to connect the microphone to a computer.

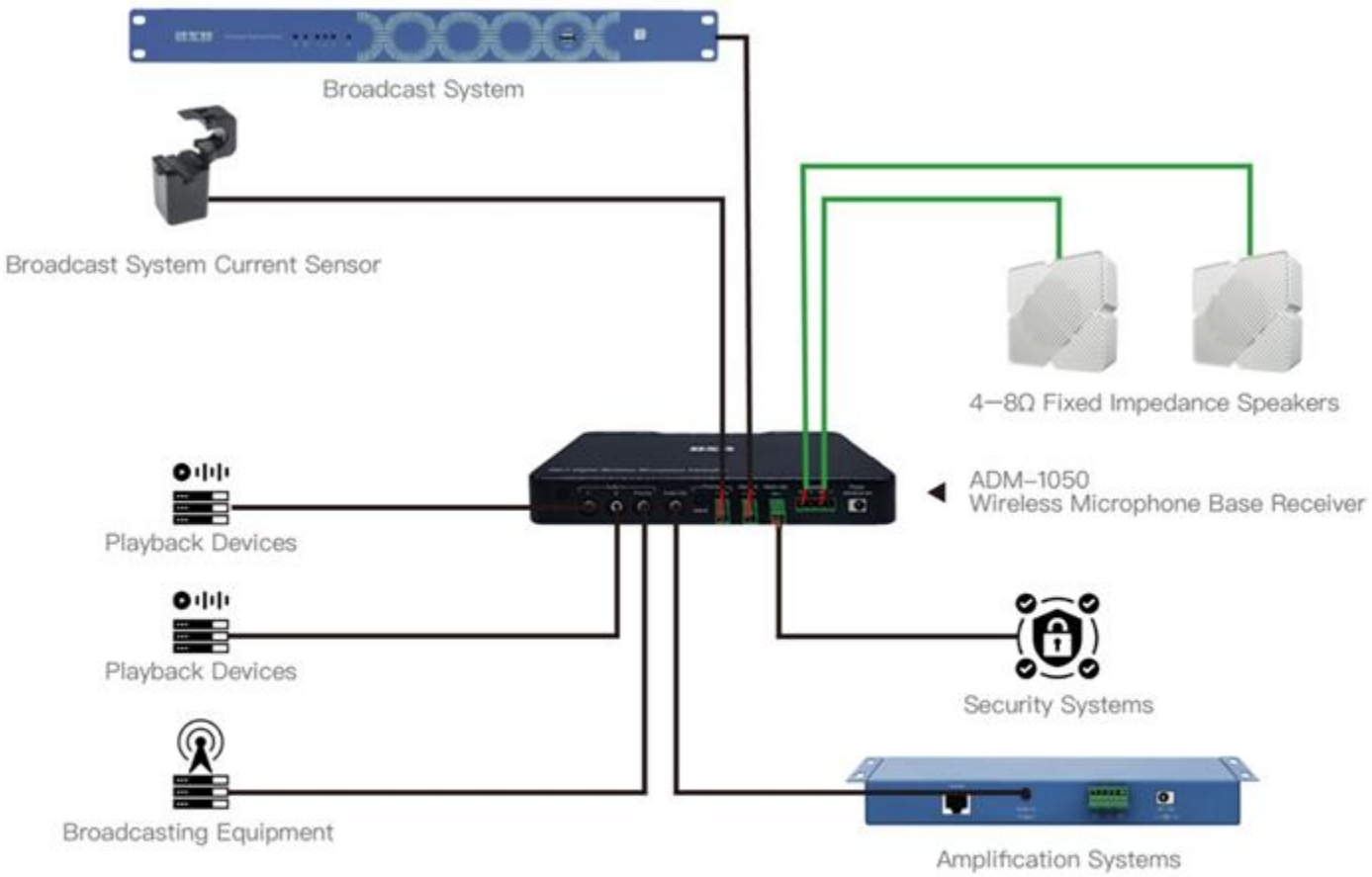
2



This connection allows audio transmission and charges the microphone at the same time.

Appendix

ADM-1050 DECT Wireless Microphone Base Receiver Wiring Diagram





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