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› wendeekun KN321 Bluetooth 5.0 Audio Transmitter Receiver User Manual

wendeekun KN321

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Model: **KN321** | Brand: **wendeekun**

1. INTRODUCTION

The wendeekun KN321 is a versatile Bluetooth 5.0 audio adapter designed to function as both a transmitter and a receiver. In transmitter (TX) mode, it wirelessly streams audio from non-Bluetooth devices like TVs, computers, or CD players to Bluetooth headphones or speakers. In receiver (RX) mode, it enables non-Bluetooth audio systems, such as home stereos or car audio, to receive audio wirelessly from Bluetooth-enabled smartphones, tablets, or laptops. This compact device offers a convenient solution for integrating Bluetooth connectivity into various audio setups.

2. SAFETY INFORMATION

- This device may interfere with other wireless devices.
- Do not expose the battery to extreme temperatures or humidity.
- Dispose of the battery in accordance with local regulations.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1x KN321 Bluetooth 5.0 Audio Transmitter Receiver
- 1x USB Power Cable
- 1x RCA Cable
- 1x 3.5mm Audio Cable
- 1x User Manual

4. PRODUCT OVERVIEW

The KN321 features a compact design with essential controls and ports for easy operation.



Image: Close-up of the KN321 device, highlighting its power button, TX/RX mode switch, Micro USB charging port, and 3.5mm audio input/output jack.

- **Power Button:** Used to turn the device on or off.
- **TX/RX Switch:** Toggles between Transmitter mode (TX) and Receiver mode (RX).
- **3.5mm Audio Jack:** Connects to audio sources (TX mode) or audio output devices (RX mode).
- **Micro USB Port:** Used for charging the device.

5. SETUP

5.1 Charging the Device

Before first use, fully charge the KN321. Connect the supplied USB power cable to the Micro USB port on the device and the other end to a USB power adapter (not included) or a computer's USB port. The charging time is approximately 2 hours.

5.2 Mode Selection

Slide the TX/RX switch on the side of the device to select the desired operating mode:

- **TX (Transmitter) Mode:** For sending audio from non-Bluetooth devices to Bluetooth headphones/speakers.
- **RX (Receiver) Mode:** For receiving audio from Bluetooth devices to non-Bluetooth audio systems.

Transmitter mode: wireless streams audio from a TV, stereo or CD player to a headset or speaker

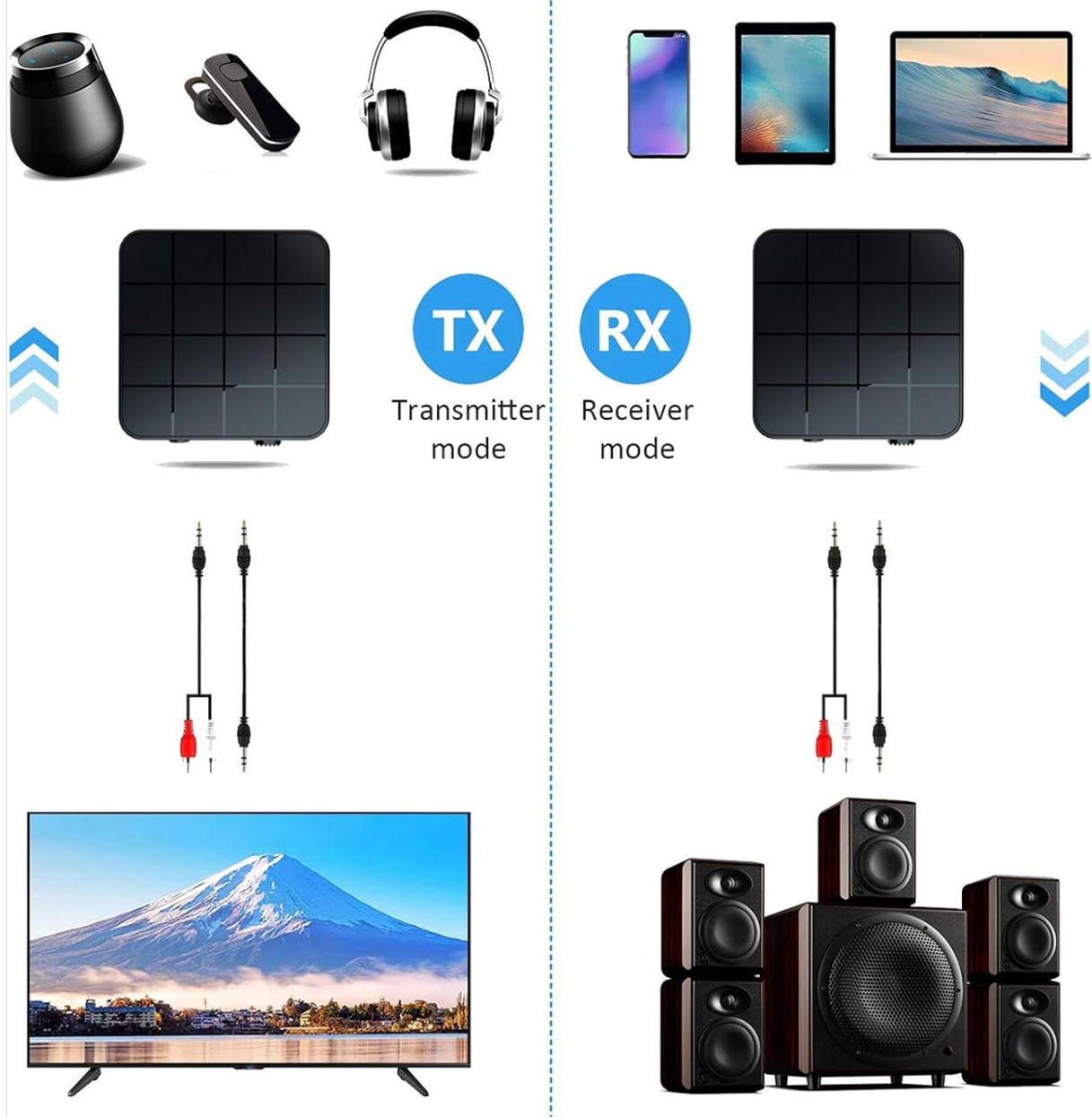


Image: A visual guide demonstrating how to connect the KN321 in Transmitter mode (left) to a TV or CD player, and in Receiver mode (right) to a stereo system.

5.3 Transmitter (TX) Mode Setup

1. Set the KN321 to **TX** mode using the switch.
2. Connect the KN321 to your audio source (e.g., TV, computer, MP3 player) using the 3.5mm audio cable or RCA cable. Plug one end into the KN321's 3.5mm jack and the other into the audio output port of your source device.
3. Turn on the KN321 by pressing and holding the power button. The indicator light will flash, indicating it's in pairing mode.
4. Place your Bluetooth headphones or speaker into pairing mode.
5. The KN321 will automatically search for and connect to nearby Bluetooth audio devices. Once connected, the indicator light will remain solid.

5.4 Receiver (RX) Mode Setup

1. Set the KN321 to **RX** mode using the switch.
2. Connect the KN321 to your non-Bluetooth audio system (e.g., stereo, wired headphones, car audio) using the 3.5mm audio cable. Plug one end into the KN321's 3.5mm jack and the other into the audio input port of your audio system.
3. Turn on the KN321 by pressing and holding the power button. The indicator light will flash, indicating it's in pairing mode.
4. Enable Bluetooth on your smartphone, tablet, or computer and search for Bluetooth devices.
5. Select "**KN321**" from the list of available devices to pair. Once connected, the indicator light will remain solid.

Receiver mode: wireless streams audio from phones, tablets or computers to wired stereos, speakers or headsets.



Image: An illustration detailing the setup of the KN321 in Receiver mode, demonstrating its connection to a speaker system and a car's auxiliary input, with a smartphone wirelessly streaming audio.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Power On:** Press and hold the power button for approximately 3 seconds until the indicator light turns on.
- **Power Off:** Press and hold the power button for approximately 3 seconds until the indicator light turns off.

6.2 Pairing

In both TX and RX modes, the device automatically enters pairing mode when powered on. Ensure the device you wish to pair with is also in pairing mode or discoverable. The KN321 will attempt to connect to the last paired device first.

6.3 Audio Playback

Once successfully paired, audio will be transmitted or received automatically. Adjust volume levels on both the KN321 (if applicable, though it's primarily a pass-through device for volume) and your connected audio source/output device.

7. MAINTENANCE

- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Store the device in a cool, dry place when not in use.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.

8. TROUBLESHOOTING

- **Device won't power on:** Ensure the device is fully charged. Connect it to a power source using the USB cable.
- **Cannot pair with a device:**
 - Ensure the KN321 is in the correct TX or RX mode.
 - Make sure the other Bluetooth device is in pairing mode and within range (up to 10m / 33ft).
 - Turn both devices off and on again, then try pairing.
 - Clear previous Bluetooth connections on your source device if necessary.
- **No audio output/input:**
 - Verify that all audio cables are securely connected.
 - Check the volume levels on both the KN321 (if applicable) and the connected audio devices.
 - Ensure the KN321 is successfully paired (solid indicator light).
 - Confirm the audio source is playing and its output is active.
- **Short range or intermittent connection:**
 - Reduce the distance between the KN321 and the paired device.
 - Remove any obstacles (walls, large metal objects) that may interfere with the Bluetooth signal.
 - Avoid placing the device near other wireless devices that might cause interference.

9. SPECIFICATIONS

Feature	Specification
Model	KN321
Technologies	BT5.0, A2DP, AVRCP (receiver mode only)
Range	Up to 10m / 33ft (without blocking objects)

Pairing Name	KN321
Charging Time	2 Hours
Battery Type	Lithium-Polymer (200mAh)
Dimensions (L x W x H)	Approx. 44mm x 44mm x 12mm (1.7in x 1.7in x 0.5in)
Weight	Approx. 78.0g / 2.8oz
Connectivity Technology	Bluetooth, USB
Audio Input	3.5mm AUX
Compatible Devices	CD Player, Computer, Headset, Laptop, MP3 Player, Smartphone, Stereo, Television

10. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, technical support, or customer service inquiries, please refer to the contact information provided with your purchase or visit the wendeekun official website.