Ankilo CP327-MA06US

Ankilo Bluetooth 5.2 Transmitter Receiver User Manual
MODEL: CP327-MA06US

Your comprehensive guide to setup, operation, and maintenance.

Introduction

The Ankilo Bluetooth 5.2 Transmitter Receiver is a versatile 2-in-1 wireless audio adapter designed to enhance your audio experience. It seamlessly switches between Transmitter (TX) and Receiver (RX) modes, allowing you to stream audio wirelessly from non-Bluetooth devices or transform wired audio systems into Bluetooth-enabled ones. With advanced Bluetooth 5.2 technology and support for premium audio codecs like aptX Adaptive/Low Latency/HD, this device delivers high-quality sound with minimal delay, perfect for home, travel, or gym use.

Safety Information

Please read and follow these safety guidelines to ensure proper use and prevent damage to the device or injury:

- **Battery Handling:** Do not disassemble, puncture, or expose the built-in battery to extreme temperatures (above 60°C/140°F) or direct sunlight. Dispose of the battery according to local regulations.
- **Interference:** This device operates on radio frequencies and may cause interference with other electronic devices, including medical devices. Maintain a safe distance from sensitive equipment.
- **Disposal:** Do not dispose of this product with household waste. It contains electronic components and a battery that require proper recycling. Contact your local authorities for information on electronic waste disposal.
- **Water Exposure:** Keep the device away from water, moisture, and excessive humidity.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.

Package Contents

Image: The Ankilo Bluetooth Transmitter Receiver and its accessories, including cables and adapters.

Please check the package contents upon opening to ensure all items are present:

- Ankilo Bluetooth 5.2 Transmitter Receiver Unit
- 3.5mm Audio Cable
- USB-C Charging Cable
- Airplane Audio Adapter (dual 3.5mm jack)
- User Manual (this document)

Product Overview and Features

Image: Front view of the Ankilo Bluetooth Transmitter Receiver, highlighting its compact design and indicator lights.

The Ankilo Bluetooth 5.2 Transmitter Receiver offers a range of features for a superior audio experience:

- **2-in-1 Functionality:** Easily switch between Transmitter (TX) mode for streaming audio from non-Bluetooth sources and Receiver (RX) mode for making wired devices Bluetooth-enabled.
- **Bluetooth 5.2 Technology:** Provides stable connection, faster pairing, and an extended range of up to 10 meters (33 feet).
- **Premium Audio Codecs:** Supports SBC, aptX, aptX-HD, aptX-LL (Low Latency), and aptX-AD (Adaptive) in TX mode, and SBC, AAC, aptX, aptX-HD, aptX-AD in RX mode for CD-quality sound. (Note: LDAC is not supported).
- **Lossless Audio Decoding:** In RX mode, the device can decode various audio formats including MP3, WAV, FLAC, and APE for high-fidelity sound.
- **Smart Multipoint Connection:** Pair with two Bluetooth devices simultaneously (e.g., two headphones in TX mode, or a phone and tablet in RX mode) for seamless audio switching.
- **Intuitive Controls & Visual Status:** LED indicators clearly show the current mode (TX/RX), active audio codec,

and connection status. Simple button controls for power and pairing.

- **Long Battery Life:** Equipped with a 450 mAh battery, providing up to 25 hours of continuous use on a single charge (approximately 3 hours to fully charge via USB-C).
- **Portable Design:** Compact and lightweight, making it ideal for travel, workouts, and on-the-go entertainment.

Setup

1. Charging the Device

Image: The Ankilo Bluetooth adapter being charged via its USB-C port, illustrating its long battery life.

Before first use, fully charge the Ankilo Bluetooth Transmitter Receiver. Connect the provided USB-C charging cable to the device's USB-C port and the other end to a standard USB power adapter (not included) or a computer's USB port. The charging indicator light will show charging status and turn off when fully charged. A full charge takes approximately 3 hours and provides up to 25 hours of playtime.

2. Powering On/Off

- **Power On:** Long-press the power button (usually the main function button) for approximately 3 seconds until the indicator lights illuminate.
- **Power Off:** Long-press the power button for approximately 3 seconds until the indicator lights turn off.

3. Switching Between TX (Transmitter) and RX (Receiver) Modes

The device automatically detects the mode based on the port used. The TX port is for Transmitter mode, and the RX port is for Receiver mode. Ensure the audio cable is connected to the correct port for your desired function.

Operating Instructions

TX Mode (Transmitter) - Streaming Audio Out

In TX mode, the device transmits audio from non-Bluetooth sources (like TVs, PCs, MP3 players, or airplane entertainment systems) to your Bluetooth headphones or speakers.

Image: A man enjoying audio from an airplane entertainment system using the Ankilo adapter in TX mode with his Bluetooth headphones.

Suitable for Airplane Audio
Enjoy high-quality audio streaming in flight

Image: A close-up view of the Ankilo adapter connected to a dual-pin airplane audio jack, enabling wireless audio.

1. **Connect Audio Source:** Insert the 3.5mm audio cable into the TX audio port of the Ankilo device. Connect the other end of the cable to the audio output jack (e.g., headphone jack) of your TV, PC, MP3 player, or airplane entertainment system. For airplane use, you may need to use the included dual-pin adapter.

2. **Power On:** Long-press the power button on the Ankilo device for 3 seconds to turn it on. The device will automatically enter pairing mode (indicator lights will flash).

3. **Prepare Bluetooth Headphones/Speakers:** Put your Bluetooth headphones or speakers into pairing mode. Refer

to their respective manuals for instructions.

4. **Pairing:** The Ankilo device will automatically search for nearby Bluetooth devices (this may take 1-3 minutes). Once your headphones/speakers are found and connected, the indicator light on the Ankilo device will become steady.

5. **Dual Connection (Optional):** To connect a second pair of Bluetooth headphones/speakers, put the second device into pairing mode. Double-click any button on the Ankilo device to initiate pairing with the second device. Once connected, both devices will receive audio.

Long Battery Time

- 450mAh Built-in Battery
- 25H Play Time
- 2H Fully Charged
- Type-C Charger

Image: Two individuals wearing headphones connected wirelessly to a TV via the Ankilo adapter, demonstrating its dual connection
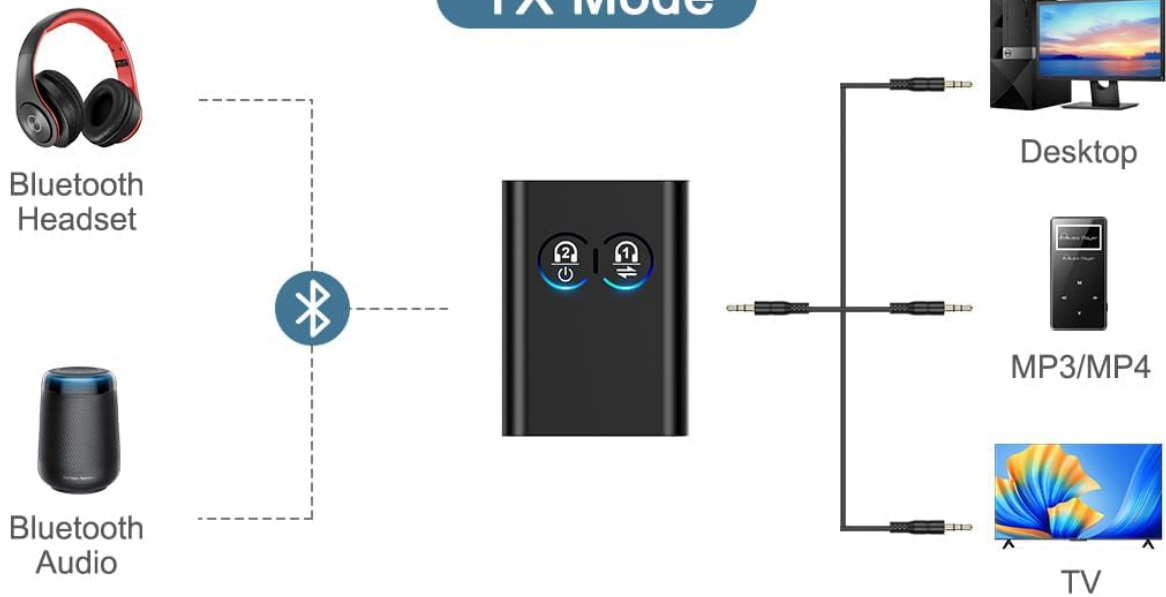
capability.

Important Note for TX Mode: Turn off other Bluetooth devices nearby to avoid interference during the initial pairing process.

RX Mode (Receiver) - Receiving Audio In

In RX mode, the device receives audio from your Bluetooth-enabled smartphone, tablet, or laptop and plays it through wired speakers, car stereos, or home audio systems.
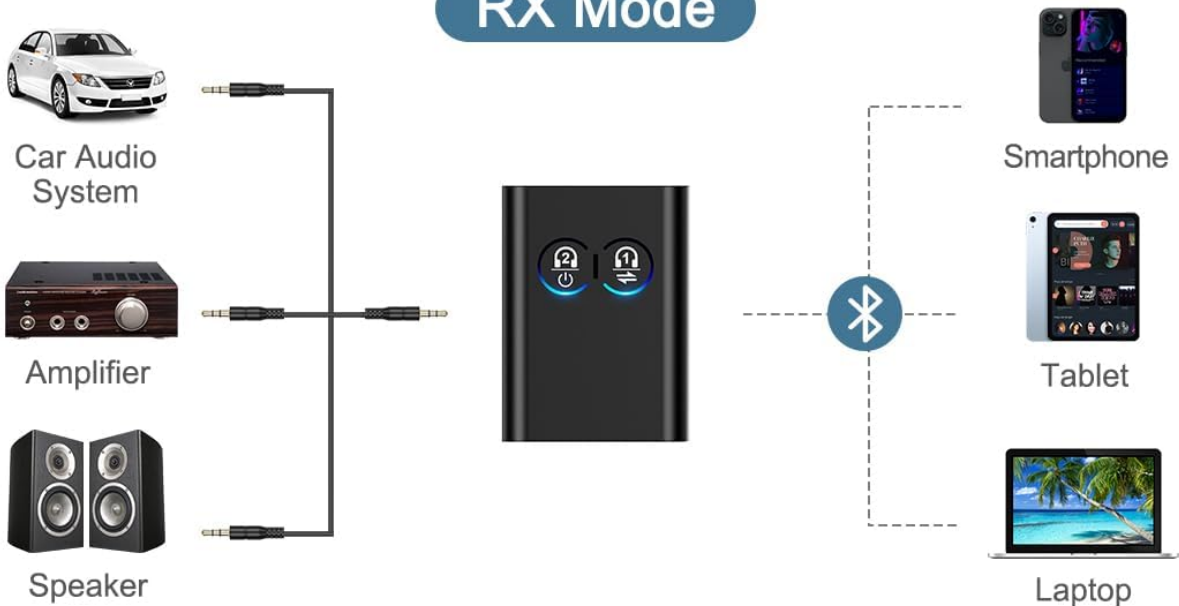

Image: The Ankilo adapter connected to a car's AUX input, transforming the car stereo into a Bluetooth-enabled system.

1. **Connect Audio Output:** Insert the 3.5mm audio cable into the RX audio port of the Ankilo device. Connect the other end of the cable to the AUX input of your wired speaker, car stereo, or home audio system.
2. **Power On:** Long-press the power button on the Ankilo device for 3 seconds to turn it on. The device will automatically enter pairing mode (indicator lights will flash).
3. **Enable Bluetooth on Your Device:** On your smartphone, tablet, or laptop, go to Bluetooth settings and enable Bluetooth.
4. **Search and Connect:** Look for "TX20" in the list of available Bluetooth devices and select it to connect.
5. **Connection Confirmation:** Once connected, the indicator light on the Ankilo device will become steady. You can now play audio from your Bluetooth device through your wired audio system.
6. **Multipoint Connection (Optional):** To connect a second Bluetooth device (e.g., another smartphone or tablet), ensure the first device is connected. Then, double-click any button on the Ankilo device. On your second Bluetooth device, search for "TX20" and connect. The device will seamlessly switch between the two connected sources.
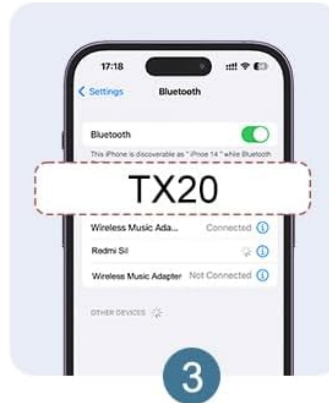
Convenient Operation

RX Mode

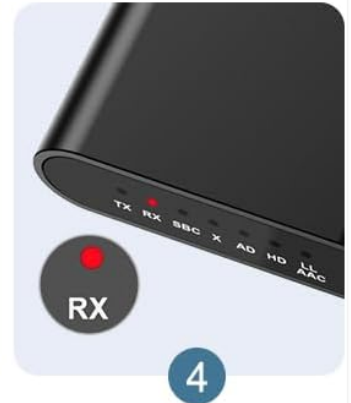**Notice: Double click any button to pair the second device**

1	2	3	4
Insert the audio cable into the RX audio port	Press and hold the power button for 3s to turn it on	Search for "**TX20**" and connect	After the connection is successful, the indicator is steady on

TX Mode

Notice: Turn off other Bluetooth devices to avoid interference

1	2	3	4
Insert the audio cable into the TX audio port	Press and hold the power button for 3s to turn it on	Turn on your Bluetooth headset and put it in pairing mode	After the connection is successful, the indicator is steady on

Image: A visual guide detailing the step-by-step process for convenient operation in both RX (Receiver) and TX (Transmitter) modes, including pairing instructions.

Maintenance

To ensure the longevity and optimal performance of your Ankilo Bluetooth Transmitter Receiver, follow these maintenance tips:

- **Cleaning:** Wipe the device with a soft, dry, lint-free cloth. Do not use liquid cleaners, aerosols, or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

- **Avoid Drops and Impacts:** Handle the device with care to prevent physical damage.
- **Protect Ports:** Keep the audio and charging ports free from dust and debris.
- **Battery Care:** For extended storage, charge the device to about 50% every few months to preserve battery health.

Troubleshooting

If you encounter issues with your Ankilo Bluetooth Transmitter Receiver, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Device does not power on.	- Battery is depleted. Charge the device fully using the provided USB-C cable. - Power button not pressed long enough. Press and hold the power button for at least 3 seconds.
Cannot pair with a Bluetooth device.	- Ensure the Ankilo device is in the correct mode (TX for transmitting, RX for receiving). - Ensure your target Bluetooth device (headphones/speakers/phone) is in pairing mode. - Move the devices closer to each other (within 10 meters/33 feet). - Turn off other Bluetooth devices nearby to reduce interference. - Clear previous pairing records on both the Ankilo device and your target device, then try pairing again. - Restart both the Ankilo device and your target Bluetooth device.
Sound quality is poor or intermittent.	- Ensure the audio cable is fully inserted into the correct port (TX or RX) on the Ankilo device and the audio source/output device. - Check for physical obstructions or excessive distance between the Ankilo device and the paired Bluetooth device. - Ensure there are no strong Wi-Fi signals or other 2.4GHz wireless devices causing interference. - Verify the audio source is providing a clean signal. - If using aptX codecs, ensure both the Ankilo device and your paired device support the same codec.
Device does not stay paired after power cycle.	- Some devices may require re-pairing after being powered off. This is normal for certain Bluetooth profiles. - Ensure the device is fully charged, as low battery can affect connection stability. - Try clearing pairing history and re-pairing.
No audio output/input.	- Check volume levels on both the Ankilo device (if applicable) and the connected audio source/output device. - Ensure the correct audio input/output is selected on your external audio system. - Verify the audio cable is not damaged.

Specifications

Feature	Detail
Model Number	CP327-MA06US
Bluetooth Version	5.2
Bluetooth Profiles	A2DP, AVRCP
Audio Codecs (TX)	SBC, aptX, aptX-HD, aptX-LL, aptX-AD
Audio Codecs (RX)	SBC, AAC, aptX, aptX-HD, aptX-AD
Operating Range	Up to 10 meters (33 feet)
Battery Capacity	450 mAh
Playtime	Up to 25 hours
Charging Time	Approx. 3 hours (via USB-C)
Input/Output	3.5mm AUX audio jack (TX and RX ports), USB-C charging port
Dimensions	5.47 x 3.86 x 0.71 inches (Package Dimensions)
Weight	2.39 ounces

Warranty and Support

Ankilo is committed to providing high-quality products and excellent customer service. Your Ankilo Bluetooth Transmitter Receiver comes with:

- **12-Month Quality Protection:** Enjoy peace of mind with our 12-month warranty covering manufacturing defects.
- **60-Day Free Replacement:** If you encounter any issues within 60 days of purchase, we offer a free replacement.
- **7*24h Customer Service:** Our dedicated customer support team is available 24/7 to assist you with any questions or concerns.

For support, please refer to the contact information provided on the product packaging or the official Ankilo website. Please have your model number (CP327-MA06US) and purchase details ready when contacting support.