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Avantree ATDG-C82

Avantree C82 Aura Auracast Transmitter User Manual

Model: ATDG-C82

1. INTRODUCTION

The Avantree C82 Aura is an advanced Auracast transmitter designed to broadcast audio to multiple Auracast-enabled hearing aids. Utilizing Qualcomm Bluetooth 5.4 technology, it provides stable, low-latency audio transmission for an enhanced listening experience. This manual provides detailed instructions for setting up, operating, and maintaining your C82 Aura transmitter.



Image: The Avantree C82 Aura Auracast Transmitter, a compact USB-C device with an orange indicator light.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- C82 Aura USB-C Adapter
- USB-A to USB-C Converter

3. PRODUCT OVERVIEW

The C82 Aura is a plug-and-play device designed for simplicity. It features a USB-C connector for direct connection to compatible devices and an indicator light for status updates.

POWERED BY QUALCOMM

Ensures stable, clear, and low-latency streaming with Auracast support.

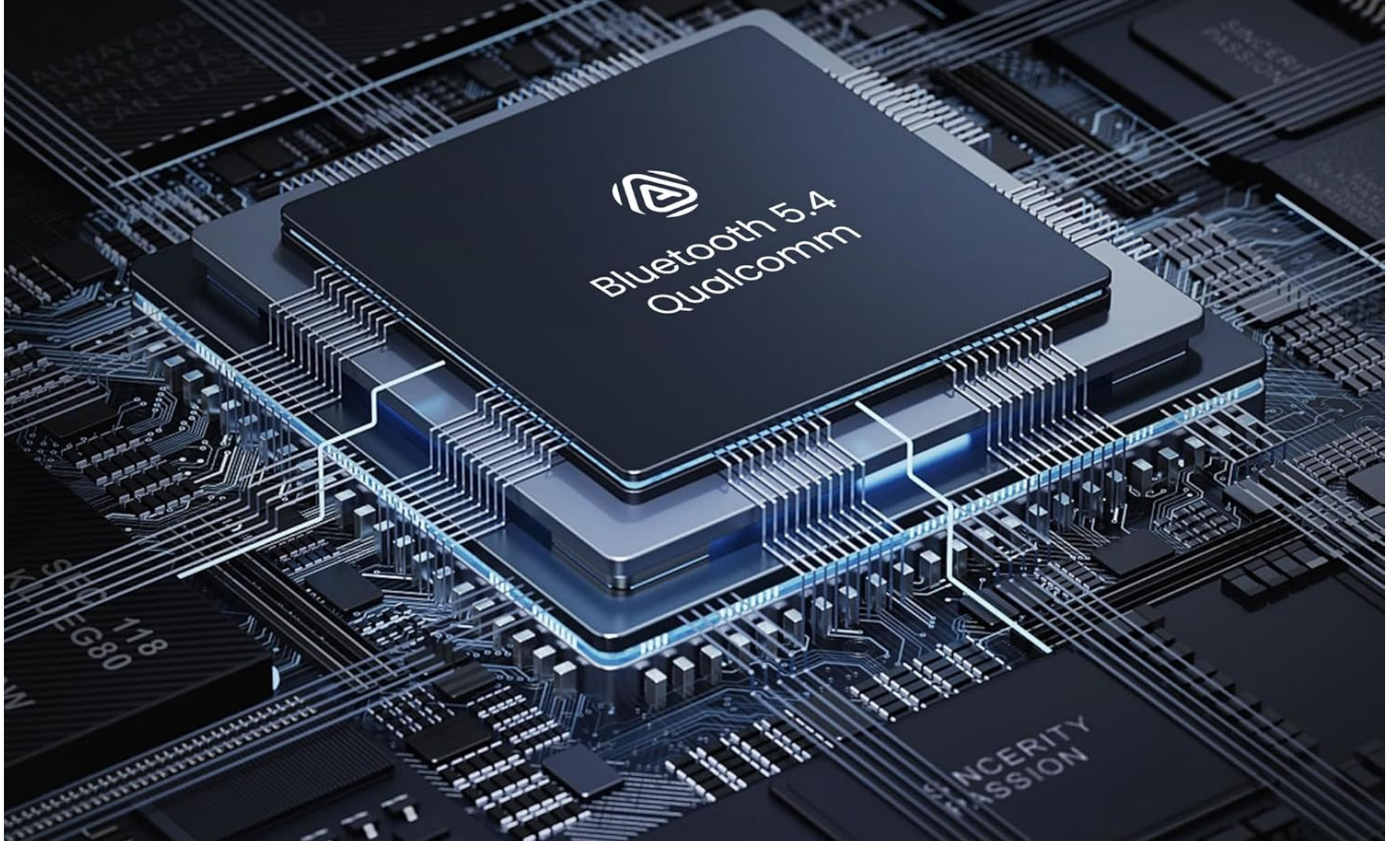


Image: A close-up of the Qualcomm Bluetooth 5.4 chipset, highlighting the core technology of the C82 Aura for stable and clear audio.

Key Features:

- **Auracast Support:** Specifically designed for Auracast-enabled hearing aids.
- **Bluetooth 5.4:** Equipped with Qualcomm's latest chipset for stable, low-latency audio.
- **Private & Public Modes:** Offers secure audio streams with a password or open sharing.
- **USB-C Compatibility:** Connects to a wide range of devices with USB-C audio output.
- **Firmware Upgradable:** Allows for future feature enhancements and compatibility updates.

4. SETUP AND INITIAL USE

1. Connect the C82 Aura:

Insert the C82 Aura USB-C adapter into a compatible USB-C port on your device (e.g., PC, Mac, tablet, phone). If your device only has USB-A ports, use the included USB-A to USB-C converter.

WIDE COMPATIBILITY

Works with USB-C & USB-A Devices, such as smartphone, tablet, pc, mac & desktop.

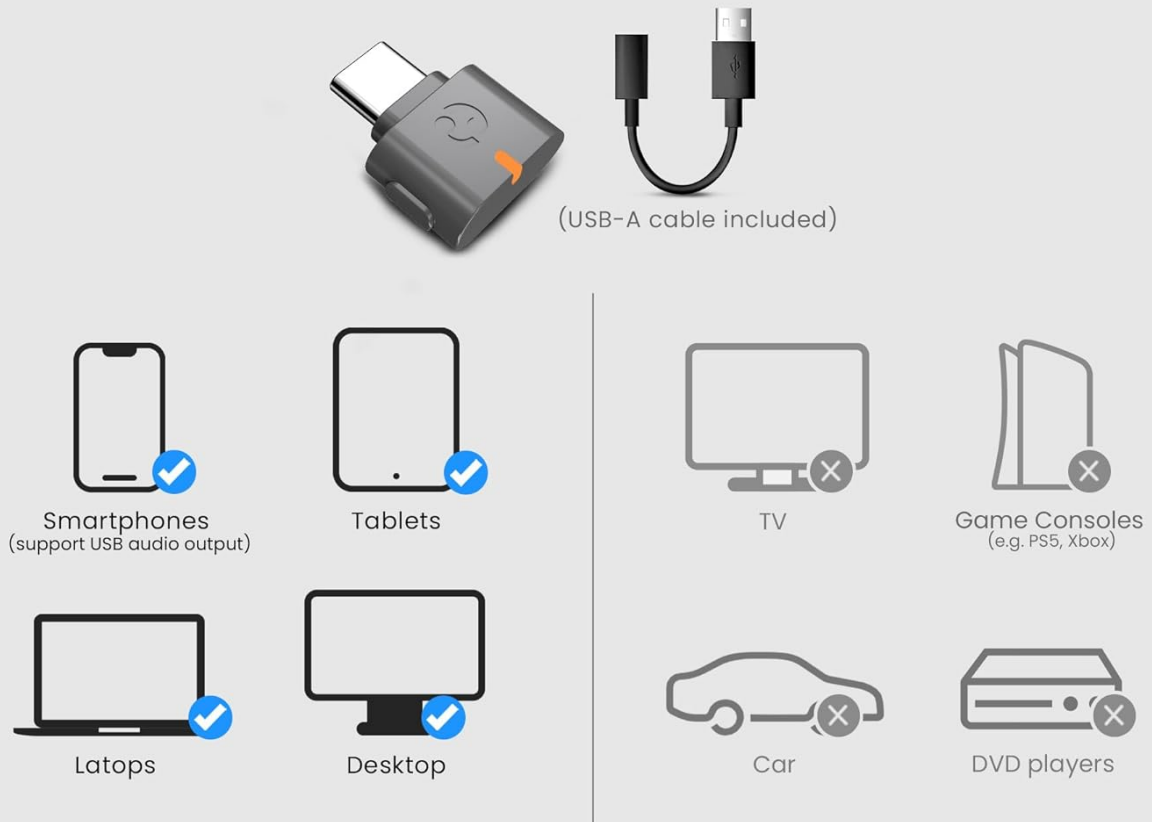


Image: Diagram illustrating the wide compatibility of the C82 Aura with USB-C and USB-A devices, including the use of the USB-A converter.

2. Power On:

Once connected, the C82 Aura will power on automatically. The indicator light will flash, indicating it is ready for pairing.

3. Pair with Auracast Hearing Aids:

Ensure your Auracast-enabled hearing aids are in pairing mode. Refer to your hearing aid's manual for specific instructions on enabling Auracast pairing.

On your compatible device (e.g., Samsung Galaxy S20+ or newer, or through your hearing aid's official app), search for available Auracast broadcasts. Select the "Avantree C82 Aura" broadcast.

AURACAST-ENABLED HEARING AIDS ONLY



Image: An elderly woman pointing towards three Auracast-enabled hearing aids and the C82 Aura, emphasizing that the device is exclusively for Auracast hearing aids.

4. Audio Output Selection:

On your computer or mobile device, ensure that the C82 Aura is selected as the audio output device.

5. OPERATION MODES

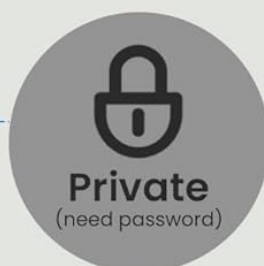
The C82 Aura supports both Private and Public Auracast modes.

PRIVATE OR PUBLIC MODE

Set a password for secure listening
or keep it open for easy sharing.



C82 Aura



Private
(need password)



Auracast
Hearing Aids



C82 Aura



Personal listening
devices



Public
(no password)



Infinity NC



Headphones

Image: A diagram illustrating the Private and Public modes of the C82 Aura. Private mode requires a password for secure listening, while Public mode allows open sharing without a password.

5.1. Private Mode (Password Protected)

In Private Mode, a password is required for hearing aids to connect to the C82 Aura's broadcast. This ensures that only authorized users can access your audio stream, ideal for personal use or sensitive content.

- When connecting for the first time, your hearing aid app or device will prompt you to enter the password. This

password is typically printed on the C82 Aura device itself.

- After successful connection, the device may remember the password for future use, but some systems might require re-entry upon reconnection or device reboot.

5.2. Public Mode (No Password)

Public Mode allows any Auracast-enabled hearing aid or compatible listening device within range to connect to the audio broadcast without a password. This is suitable for shared listening environments where security is not a primary concern.

- By default, the C82 Aura may operate in Public Mode, or it can be configured via firmware updates to remove password requirements.
- In Public Mode, the broadcast will appear as an open network for Auracast receivers.

6. COMPATIBILITY

The Avantree C82 Aura is specifically designed for Auracast-enabled hearing aids. It is not compatible with classic Bluetooth headphones or LE Audio CIS earbuds (e.g., for gaming).

6.1. Compatible Hearing Aids

The following hearing aids are supported:

- GN Danalogic Extend
- Jabra Enhance Pro 20 / 30, Enhance Select 500
- ReSound Nexia / Vivia / Savi / Enzo IA
- Beltone Envision / Serene / Commence
- Starkey Edge AI (requires Samsung S20+ / Pixel 7 or newer for pairing)

Important: Devices not listed above are not compatible.

HEARING AIDS SUPPORT

Designed for the latest
Auracast hearing aids.



- ✓ GN Danalogic Extend
- ✓ Jabra Enhance Pro 20/ 30, Enhance Select 500
- ✓ ReSound Nexia / Viviva / Savi / Enzo IA
- ✓ Beltone Envision / Serene / Commence
- ✓ Starkey Edge AI
(requires Samsung S20+ / Pixel 7 or newer)



Devices not listed are not compatible.

Image: A graphic detailing the specific models of Auracast hearing aids supported by the C82 Aura, with a warning about incompatible devices.

6.2. Compatible Source Devices

The C82 Aura connects to devices with USB-C audio output. This includes:

- Smartphones (e.g., iPhone 15/16, Samsung Galaxy)
- Tablets (e.g., iPad, Android tablets)

- Laptops (PC, Mac)
- Desktop Computers

The included USB-A to USB-C converter ensures compatibility with older laptops, desktops, and PCs that only have USB-A ports.

7. FIRMWARE UPDATE

The C82 Aura's firmware is upgradable, allowing you to benefit from new features, wider compatibility, and performance improvements. Regularly check the official Avantree website for the latest firmware versions.



Image: A laptop screen showing a "Firmware update successful" message, with icons indicating new features, wider compatibility, and easy upgrades for Windows and macOS.

7.1. How to Update Firmware

1. Visit the official Avantree support page for the C82 Aura.

2. Download the latest firmware update tool and firmware file for your operating system (Windows or macOS).
3. Follow the instructions provided with the download to perform the firmware update. This typically involves connecting the C82 Aura to your computer and running the update tool.

Note: Firmware updates can sometimes resolve connectivity issues or introduce new functionalities, such as removing password requirements for public broadcasts.

8. TROUBLESHOOTING

| Problem | Solution |
|--|---|
| No Audio / Cannot Connect | <ul style="list-style-type: none">• Ensure your hearing aids are Auracast-enabled and in pairing mode.• Verify the C82 Aura is properly inserted into a functioning USB-C or USB-A port.• Check your device's audio output settings to confirm C82 Aura is selected.• Restart your source device (PC, phone, etc.) and your hearing aids.• Confirm your hearing aids are on the list of compatible devices (Section 6.1). |
| Password Prompt Repeatedly | <ul style="list-style-type: none">• Ensure you are entering the correct password (usually printed on the device).• Consider updating the firmware, as some updates offer options to remove password requirements for public broadcasts.• Some devices may require re-entering the password after a reboot or disconnection. |
| Intermittent Audio / Poor Quality | <ul style="list-style-type: none">• Ensure the C82 Aura is not obstructed and is within close proximity to your hearing aids.• Minimize interference from other wireless devices.• Update the C82 Aura firmware to the latest version. |
| Not Working with Classic Bluetooth Headphones | The C82 Aura is designed exclusively for Auracast-enabled hearing aids and is not compatible with standard Bluetooth headphones or LE Audio CIS earbuds. |

9. SPECIFICATIONS

| Feature | Detail |
|---------------------------|--|
| Model Number | ATDG-C82 |
| Brand | Avantree |
| Bluetooth Version | 5.4 (Qualcomm Chipset) |
| Audio Codec | LC3 |
| Connector Type | USB Type-C (with USB Type-A converter) |
| Compatible Devices | Auracast Hearing Aids (GN Danalogic Extend, Jabra Enhance Pro 20/30, ReSound Nexia/Vivia/Savi/Enzo IA, Beltone Envision/Serene, Starkey Edge AI) |

| Feature | Detail |
|----------------------------|--|
| Input Source Compatibility | PC, Mac, Tablets, Phones with USB-C audio output |
| Dimensions | 4.92 x 3.43 x 0.67 inches (Package) |
| Item Weight | 0.071 ounces |
| Color | Black |

10. WARRANTY AND SUPPORT

Avantree products typically come with a manufacturer's warranty. For specific warranty details, product registration, or technical support, please visit the official Avantree support website.





Online Support: www.avantree.com/support

You can also find FAQs, troubleshooting guides, and contact information for customer service on their website.



Related Documents - ATDG-C82

| | |
|---|---|
| <div><p>HomeBuddy</p><p>Interactivo Configuración & Guía de soporte</p><p>Version 1.8</p><p>Iniciar configuración</p></div> | <p>HomeBuddy: Guía Interactiva de Configuración y Soporte Bluetooth y Auracast</p> <p>Guía interactiva para configurar y usar tu altavoz Bluetooth HomeBuddy de Avantree. Aprende sobre Bluetooth, LE Audio, Auracast, carga, botones, y obtén soporte.</p> |
| <div><p>C82 LEA</p><p>Configurazione interattiva & Guida al supporto</p><p>Versione 1.2.1</p><p>Avvia configurazione</p></div> | <p>Avantree C82 LEA: Guida interattiva alla configurazione e al supporto</p> <p>Scopri come configurare e utilizzare il tuo Avantree C82 LEA con questa guida interattiva. Include istruzioni per Bluetooth classico, LE Audio, PS5, PC e risoluzione dei problemi.</p> |

| | |
|--|--|
| <div><p>C82 LEA</p><p>Configuration interactive & Guide de support Version 1.2.1</p><p>Démarrer la configuration</p></div> | <p>Avantree C82 LEA: Guide de Configuration Interactive et de Support</p> <p>Guide complet pour la configuration interactive et le support du dispositif Avantree C82 LEA. Apprenez à connecter, utiliser et dépanner votre appareil pour une expérience audio optimale sur PS5 et PC.</p> |
| <div><p>C82 LEA</p><p>Interactive Setup & Support Guide Version 1.2.1</p><p>Start Setup</p></div> | <p>Avantree C82 LEA: Interactive Setup and Support Guide</p> <p>Comprehensive interactive setup and support guide for the Avantree C82 LEA, covering Bluetooth and LE Audio connection, troubleshooting, and product registration for PS5 and PC users.</p> |
| <div><p>Avantree</p><p>Voyager Utilisateur interactif Guide Version 1.8</p><p>Démarrer la configuration</p></div> | <p>Avantree Voyager Interactive User Guide: Bluetooth & Auracast Audio Transmitter</p> <p>Comprehensive interactive user guide for the Avantree Voyager, detailing setup, Bluetooth and Auracast connectivity, charging, firmware updates, and troubleshooting for seamless audio streaming.</p> |
| <div><p>Avantree</p><p>Audikast 4 Bluetooth TV Transmitter</p><p>Interactive User Guide Version 1.9.1</p><p>Start Setup</p></div> | <p>Avantree Audikast 4 Bluetooth TV Transmitter Interactive User Guide</p> <p>An interactive guide for the Avantree Audikast 4, a Bluetooth TV transmitter. Learn how to set up, connect, use Bluetooth and Auracast modes, pair devices, and find troubleshooting tips.</p> |