



Audikast 4

Bluetooth & Auracast
TV Transmitter



Interactive User Guide

Version 2.5



Start Setup



Firmware & Settings

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1. Before You Start

2-in-1 **Auracast** & **Bluetooth**
transmitter, **one mode at a time**

- **Auracast:** Works with Auracast hearing aids / headphones / receivers;
Supports **multiple** listeners
- **Bluetooth:** Works with Bluetooth headphones;
One-to-one connection (no dual-link)



*The transmitter broadcast is **open by default** for easy hearing aid access.*

→ [Encrypt it via the DFU tool](#)

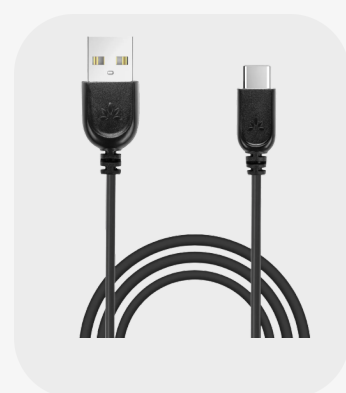
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2. Get Sound from TV

2.1 Power Up Transmitter

❶ Place the transmitter near your TV.

❷ Use the **included USB-C** cable to connect to power (5V, 1A~2.4A).



❸ Turn it **ON**.



2.2 Connect to TV

Find your TV port, then choose the matching cable (*You only need **ONE***)

a. Optical (Recommended)



→ Use the optical cable:



b. AUX (3.5mm)



→ Use the AUX cable:



c. Only HDMI port?



→ [Use HAX06](#)
([HDMI to Optical adapter](#)).



Not sure? → [Send us a photo of your TV ports](#)

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a. Connect Optical Cable

Plug in the **Optical** audio cable:

Transmitter (**Optical**) <-->
TV (Optical Out)



Unplug soundbar if it's using HDMI ARC to avoid interference.

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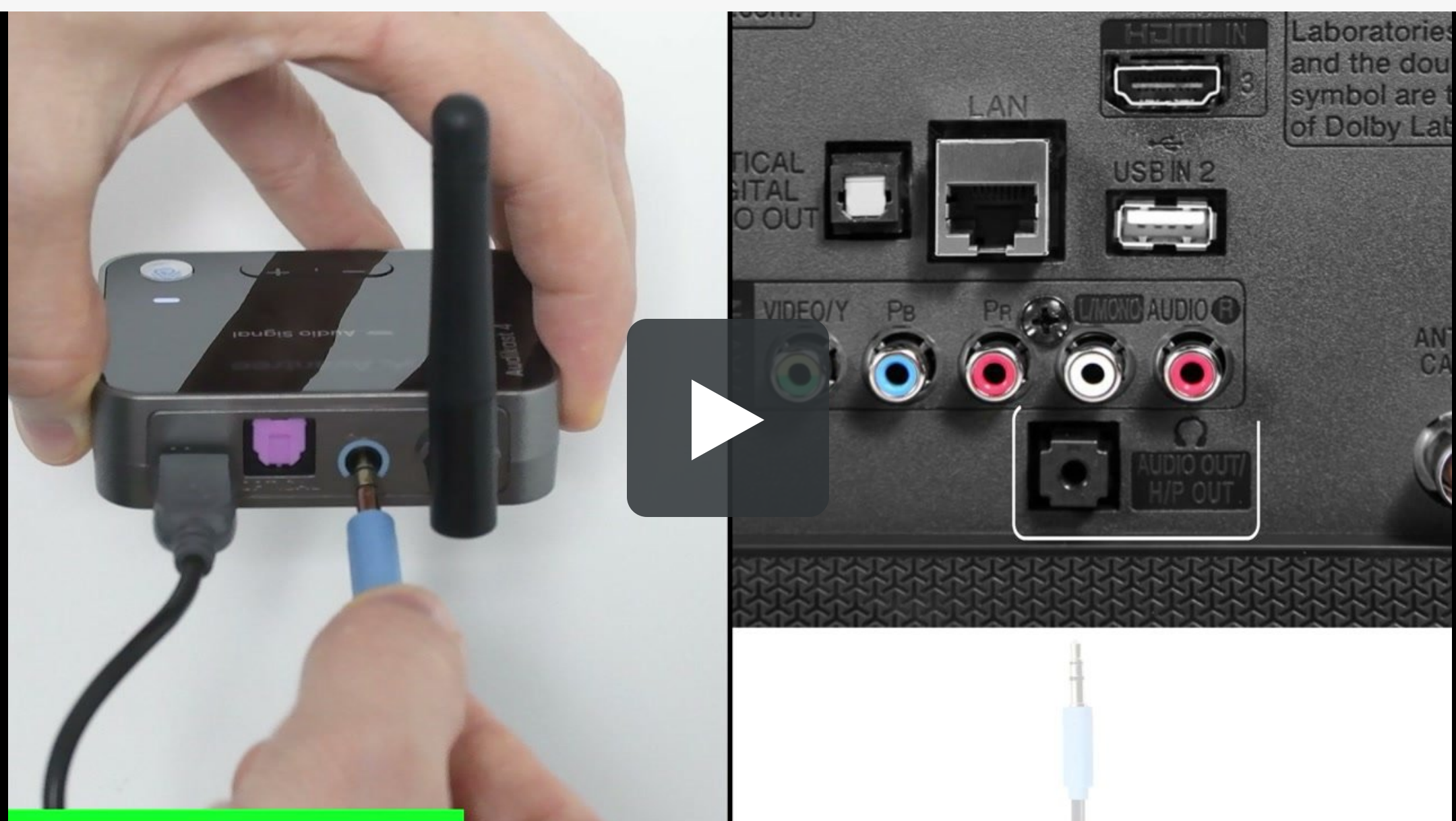
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b. Connect AUX Cable

Plug in the **AUX** audio cable:

Transmitter (**AUX**) <-->

TV (Headphone/Audio Out)



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2.3 Set TV Audio to PCM

(OPT only)



Use your **TV remote**



On your TV:

- 1  Press Settings
- 2  Go to Sound / Audio
- 3 Select:

✓ Audio Output: **Optical**

✓ Digital Format: **PCM (Must Use)**



- Not set to PCM? → NO SOUND
- Need help setting PCM?
→ [Choose your TV brand](#)

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Select your TV to see exact steps

Samsung



LG



Sony



TCL



Hisense



VIZIO



Panasonic



Philips



Roku



Sharp



Not seeing your TV brand?

Search or ask AI: TV brand+ model set PCM

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Choose Your Listening Device

Choose one option below:

A



Hearing Aids

→ Broadcast to **multiple**
hearing aids,
or Auracast headphones

B



Bluetooth Headphones

→ Connect to **one headphone** only

3. Listen with Hearing Aids

3.1 Start Broadcasting

❶ After power-up, the transmitter **auto-enters Auracast mode**.

→ Auracast LED = **Solid white**.

*If not, **hold** the Auracast button.*

❷ **Select your hearing aid** type to join broadcast.



[Auracast Hearing Aids](#)

(Most 2025+ models)



[Bluetooth Hearing Aids](#)

(Most 2018+ models)



[T-coil Hearing Aids](#)

(Use AuraClip with a neck loop)



Using Auracast headphones or earbuds? → [See how to join](#)



3a. Auracast Hearing Aids

Select your brand to see how to join.

ReSound GN

danalogic GN

oticon

Jabra GN



NUEAR

WIDEX



Beltone™

Bernafon
THE SOUND EXPERIENCE

PHILIPS



- *You'll open a new guide.
Come back here when finished.*
- *Don't see your brand?
[Try another listening option.](#) ↗*

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3b. Bluetooth Hearing Aids

Use **Aura C** with your phone to receive broadcasts on your existing Bluetooth hearing aids.

No new hearing aids needed. Use the Aura C companion app to join broadcasts.

→ [Pre-order Aura C](#)



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3c. T-coil Hearing Aids

Use AuraClip with your own T-coil loop to join the broadcast through your T-coil hearing aids.



→ [Learn more about AuraClip](#)

T-coil may not be enabled by default.

i *If you're unsure, contact your audiologist to check or enable it.*

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3d. Auracast Headphones

Listen directly with **Auracast headphones / earbuds.**

Supported by major brands, including:

- Sony
- JBL
- Venucast / Avantree
(examples below)



[Aria Aura](#)



[Infinity Series](#)



[Pebble Aura](#)

How to join:

- ✓ • **Avantree devices**
Just turn on and listen.
- ✓ • **Other brands** (JBL, Samsung, etc.)
use their companion app.

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4. Listen with Bluetooth Headphones

1 On power-up, **hold** the Bluetooth button. → LED blinks **red** & **blue** (Ready to pair).

*If not, **hold** the Bluetooth button again.*

2 Put your headphones into pairing mode. → [Headphones Pairing Guide](#)

✓ **Connected:** Transmitter LED = **Solid**



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5. Firmware & Settings

5.1 Firmware Update



Latest Firmware

V20.3.8



Customized **Password** and **Broadcast** name

Takes about 1 minute



Update

→ [View full version history](#)



Get Future Update Alerts

- Compatibility improvements
- New features
- No promotions. Ever.

Notify Me

Download & Update (1/2)

What you need

- A Windows / Mac PC
- Your transmitter
- The included USB data cable

How to update:

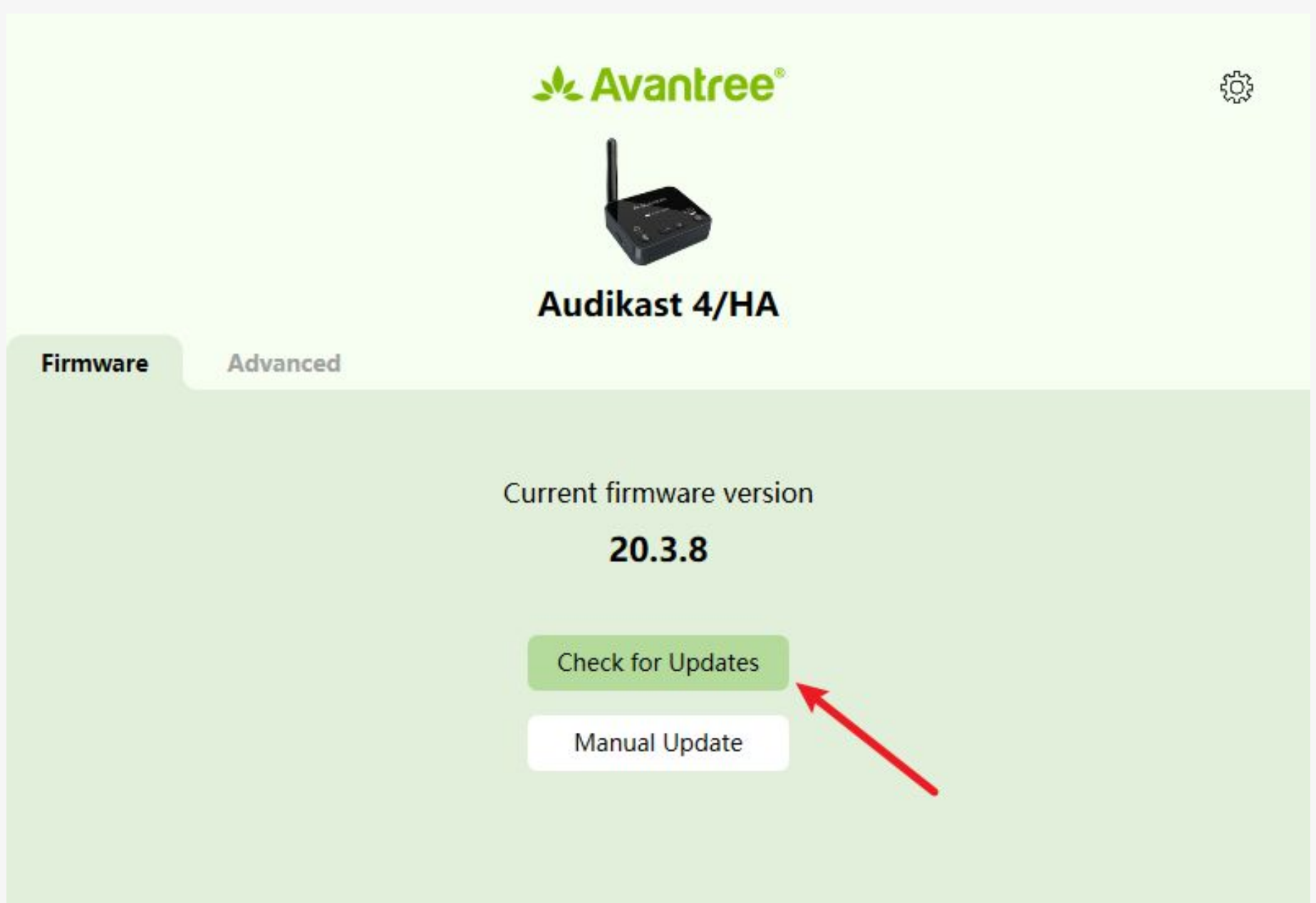
1 → [Download Avantree Updater on your computer.](#)

2 Use the included USB data cable to connect the transmitter to your PC.

[Next](#)

Download & Update (2/2)

③ Open the Avantree Updater app and click "**Check for Updates**" > "**Install**" next to the latest version.



④ Once the update completes, disconnect the transmitter from your computer.

⑤ → [Reset the transmitter.](#)

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Get Future Update Alerts

- Compatibility improvements
- New features
- No promotions. Ever.

Notify Me

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5.2 Rename Broadcast

Change your broadcast name for easier identification.

❶ Connect your transmitter to PC using a USB data cable.

❷ Open [DFU tool](#) and verify the firmware is up to date.

❸ Go to **Advanced** to set a preferred name.



The screenshot shows the 'Advanced' settings tab in the DFU tool. The 'Broadcast Name' field is highlighted with a red box and contains the text 'Living Room TV'. Other settings include Mode (Auracast), BID | Status (B9D121 | Broadcasting), Volume Boost (off), Volume Setting (166), Audio Mode (Hearing Aid Compatible), Encryption (Public), and Passcode (empty). A green button at the bottom says 'Click to apply settings'.

Firmware	Advanced
Mode:	☒ Auracast
BID Status:	B9D121 Broadcasting
Volume Boost:	☐
Volume Setting:	 166
Audio Mode:	Hearing Aid Compatible 
Broadcast Name:	Living Room TV
Encryption:	Public 
Passcode:	
<button>Click to apply settings</button>	

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5.3 Encrypt Broadcast

Set or update your broadcast passcode to control access and improve privacy.

- ➊ Connect your transmitter to PC using a USB data cable.
- ➋ Open [DFU tool](#) and verify the firmware is up to date.
- ➌ Go to **Advanced** to set a passcode.

Firmware

Advanced

Mode:	☒ Auracast
BID Status:	B9D121 Broadcasting
Volume Boost:	☐
Volume Setting:	 166
Audio Mode:	Hearing Aid Compatible 
Broadcast Name:	Living Room TV
Encryption:	Encrypted (User-defined) 
Passcode:	HappyTVListening

Click to apply settings

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6. Troubleshooting

Common Issues

- [Can't connect to hearing aids ↗](#)
- [No sound ↗](#)
- [Compatibility quick check ↗](#)

 [More FAQ & Help ↗](#)

 *Still need help?* [Contact support ↗](#)

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7. Register & Support

Register Your Product

Extended warranty & get updates.

Get 24M Warranty

Need help? Contact Us



Email

support@avantree.com



Call



USA (Toll Free)

+1 800 232 2078



Other Regions



Chat



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Buttons & Indicators



A Audio Signal LED
Solid → Valid signal

B Bluetooth LED
Solid → Connected
Blinking red & blue → Pairing mode

C Auracast LED
Solid → Broadcasting

→ [Full Buttons & Indicators Guide](#)

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Did this guide **help you?**

Your feedback goes directly to our team.

It helps us improve future guides and products.

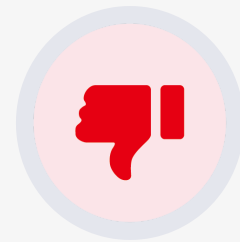
Takes **less than 10 seconds.**



Helpful



It's OK



Need Help



Thank you for helping us improve.