

# Oasis User Manual

## Bluetooth Transmitter and Receiver 2-in-1

### Avantree TC500



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### 1. Features & AptX low latency

Avantree Oasis is a wireless long range audio transmitter & receiver incorporating the latest "AptX low-latency" technology for CD-like quality sound with virtually no delay. Multifunctional, supporting optical, bypass and voice prompts. Providing the best solution to enable your TV or home audio system to wirelessly stream hi-fi audio directly to any wireless headphones or speakers.

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### aptX® Low Latency

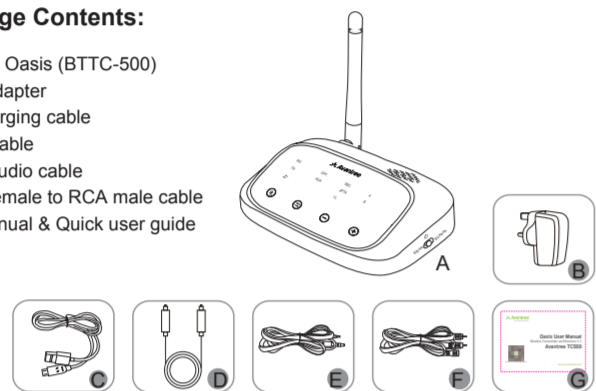
To take advantage of the better performance of the APTX Low Latency Codec, the other side device must support the same codec. If the other side device only supports the normal AptX codec, or the SBC one, those codecs will be used instead.

Headphones/receiver support -	The audio delay will be
aptX Low Latency codec	~ 40ms
aptX codec	~ 70ms
SBC codec (most standard Bluetooth audio)	~ 220ms

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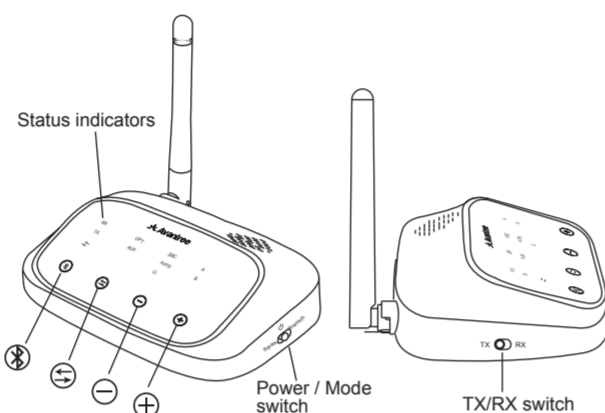
### 2. Package Contents:

- A. Avantree Oasis (BTTC-500)
- B. Power adapter
- C. USB charging cable
- D. Optical cable
- E. 3.5mm audio cable
- F. 3.5mm female to RCA male cable
- G. User manual & Quick user guide



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### 3. Product Overview & Control Functions



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Button	Function	Operation
	Bluetooth mode	Slide to "Bluetooth" to power on & enter Bluetooth mode.
	Bypass mode	Slide to "Bypass" to power on & enter Bypass mode.
	Power off	Slide to " " to turn off the device.
⊗	Enter pairing mode	Hold this button for about 3 seconds.
	Reconnect	Short press once.
⊕	AUX/ Optical switch	Short press once to switch between AUX (3.5mm) and Optical audio mode.
	Voice prompt on/off	Hold for 3 seconds to switch Voice on/off.
⊖	Volume down/ Previous song	In AUX audio mode, short press once (OPT mode doesn't support).
⊕	Volume up/ Next song	In AUX audio mode, short press once. (OPT mode doesn't support).
	Status indicators	Indicate status. Details see next page.
	TX/RX switch	Transmitter mode: Slide to TX to enter transmitting mode. Receiver mode: Slide to RX to enter receiving mode.

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### 4. LED indications



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Indicator	Status
RX	In receiving mode Flashes GREEN and WHITE alternately to indicate Oasis is in pairing mode
TX	In transmitting mode Flashes GREEN and WHITE alternately to indicate Oasis is in pairing mode
↔	Bypass mode
⊕	OPT Optical audio mode
AUX	AUX audio mode
SBC	Oasis is using SBC codec
APT	Oasis is using aptX codec
LL	Oasis is using aptX low latency codec
A	Oasis is using device A
B	Oasis is using device B

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### 5. Use as a transmitter (TX mode)

- Connect audio source (TV, DVD etc.) to Oasis "TX Input" port with the audio cables provided (optical or AUX/RCA).
- Connect Oasis to a power source (TV, PC USB socket or power adapter) with a USB cable.
- Slide TX/RX switch to the "TX" position.
- Slide Power/Mode switch to the "Bluetooth" position.
- Select the correct audio input mode (AUX/OPT) by short pressing the ⊕ button (Very Important)**
- Pairing - Pair Oasis with your Bluetooth-enabled headsets/speakers.
  - Set Oasis into pairing mode, TX LED flash GREEN / WHITE alternately fast.
    - First-time use: Oasis will auto enter pairing mode (with clear memory).
    - Afterward: press ⊗ button for 3 seconds.
  - Set your headsets/speakers to pairing mode refer to its user manual.
  - Wait until connected (For quick pairing, better keep them within 1 meter when pairing)

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### 6. Use as a Receiver (RX mode)

- Connect your speaker to Oasis "RX Output" port with the audio cable provided (optical or AUX/RCA).
- Connect Oasis to a power source with USB cable and adapter.
- Slide TX/RX switch to the "RX" position.
- Slide Power/Mode switch to the "Bluetooth" position.
- Select the correct audio input mode (AUX/OPT) by short pressing the ⊕ button (Very Important)**
- Pairing - Pair Oasis with your Bluetooth-enabled phone/PC/tablet.
  - Set Oasis into pairing mode, RX LED flash GREEN / WHITE alternately fast.
    - First-time use: Oasis will auto enter pairing mode (with clear memory).
    - Afterward: press ⊗ button for 3 seconds to enter.
  - Active Bluetooth on your phone or another device to find "Avantree Oasis" to connect.
  - Wait and connected (For quick pairing, better keep them within 1 meter when pairing).

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### 7. Bypass mode (Non-Bluetooth)

Bypassing means using Oasis as a non-Bluetooth device which connects the TV and speaker via wires directly. This design enables you to switch between wired (Bypass mode) and wireless (Bluetooth mode) with just one switch without the need to disconnect any cables.

- Connect audio source (TV, DVD etc.) to Oasis "TX Input" port with the audio cables provided (optical or AUX/RCA).
- Connect your speaker to Oasis "RX Output" port with your own audio cable (optical or AUX/RCA).
- Connect Oasis to a power source with USB cable and adapter.
- Slide the Power/Mode switch to the "Bypass" position.
- Select the correct audio input/output mode (AUX/OPT) by short pressing the ⊕ button. (Important Note: Bypass for AUX to AUX & OPT to OPT only).**
- Ready for use.

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### 8. Pair and Connect two Devices Simultaneously

#### In TX mode

- Pair with the first device by following the previous instructions in the "Use as a Transmitter (TX mode)" section.
- Pair with the second device
  - Set second headphones/speaker to pairing mode.
  - Set Oasis to pairing mode again, press the ⊗ button for 3s until the TX LED flashes GREEN and WHITE.
  - Wait until connected. Once Oasis connected to two devices, you will see LEDs A and B both illuminated.

#### Notes:

- For improved compatibility and sound quality, we suggest that you use Bluetooth devices with CSR chipset, e.g. Avantree Audition Pro, Plantronics backbeat pro, etc.
- When using dual-link, Oasis doesn't support aptX low latency.

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#### In RX mode

- Pair with the first device by following the previous instructions in the "Use as a Receiver (RX mode)" section.
- Pair with the second device
  - Set Oasis to pairing mode again, press the ⊗ button for 3s until the RX LED flashes GREEN and WHITE.
  - Active Bluetooth on the second device to find "Avantree Oasis" to connect.
  - Wait until connected. Once Oasis connected the two devices, you will see LEDs A and B both illuminated.

**Note:** Only one device can play music at any time. You must stop the music on one device to play on the other.

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### 9. Restore Factory Default Settings

You may need to reset Oasis if it is not working as expected. When Oasis is reset to factory default settings, all the paired device information will be cleared.

- Slide Power/Mode switch to the "Bluetooth" position".
- Make sure Oasis is not connected to any Bluetooth devices – LEDs A and B should both be off.
- Press and hold the ⊕ and ⊖ buttons together until you hear voice prompt "pairing history cleared".

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### 10. Product Specifications

- BT version: 4.1
- Supports profiles: A2DP, AVRCP
- Audio codec: AptX, AptX-LL, SBC
- Operational range: Class I, up to 50 meters
- Input voltage/ current: Micro USB DC5.0V===500mA
- Operating temperature:-10°C ~ 45°C
- Storage temperature: -20°C ~ 60°C
- Support sampling rate in optical mode: ≤48KHz
- Product size: 114×75×30mm
- Product weight: 90g

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### 11. Troubleshooting

- I am having trouble pairing and connecting to my Bluetooth device. Please check the following:
  - Your wireless device supports the wireless profiles listed in the specifications.
  - Oasis and your device are next to each other or within 3 feet / 1 meter.
  - Make sure both Oasis and the wireless device are in pairing mode.
- After connecting and pairing with my wireless device, I cannot hear any music from my sound system.
  - Make sure you select the correct audio input mode (AUX/OPT) by short pressing the ⊕ button.
  - Make sure to remove the protective head on optical cable.
  - In Optical mode, Oasis support device with sampling rate under 48kHz.

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### 12. Warnings

**Avantree Technology CO.,Ltd.**  
The 4th Floor, Yurpeng Building, NO.1019 Jiabin Rd, Luohu District, Shenzhen, Guangdong, China.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions,

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may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
-- Reorient or relocate the receiving antenna.  
-- Increase the separation between the equipment and receiver.  
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Dispose of the packaging and this product in accordance with the latest provisions.



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#### Need help?

- FAQ: [support.avantree.com](http://support.avantree.com)
- Live chat: [www.avantree.com](http://www.avantree.com) (9:00 pm-1:00 am PST)
- Email: [support@avantree.com](mailto:support@avantree.com)
- Video user guide for Oasis on Youtube.com
- Telephone support: +1 408 600 0579 (CET 8am-3pm)  
+1 800 232 2078 (PST 9am-5pm)  
+86 755 82285022 (CST 9am-6pm)