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> [Avantree C81 USB-C Bluetooth Adapter: Instruction Manual for PS5, Switch, and PC](#)

Avantree BTDG-C81

Avantree C81 USB-C Bluetooth Adapter: Instruction Manual

Model: BTDG-C81

INTRODUCTION

The Avantree C81 is a versatile USB-C Bluetooth audio adapter designed to provide wireless audio streaming and voice chat capabilities for various devices. It allows you to connect your Bluetooth headphones or speakers to devices like the PlayStation 5, Nintendo Switch, and PC/Laptops, enhancing your audio experience with minimal latency.

BOX CONTENTS

ONLINE MEETINGS

Supports microphone when used on computer & laptops



Image: The Avantree C81 package includes the C81 USB-C dongle, a small analog microphone, and a USB-A to USB-C adapter cable.

- C81 USB-C Bluetooth Dongle
- Analog Microphone (3.5mm jack)
- USB-A to USB-C Adapter Cable

SETUP GUIDE

1. Initial Setup & Pairing

The C81 is designed for hassle-free setup with no driver installation required. Simply plug it into your device's USB-C port, and it will automatically enter pairing mode for first-time use.

NO DRIVER NEEDED

Simply plug, power on, and go.
No driver installation needed.



**Bluetooth connection happens externally,
no "Bluetooth icon" will appear in tool bar.*

Image: The Avantree C81 dongle connected to a laptop, illustrating its plug-and-play functionality without requiring driver installation.

1. **Plug in the C81:** Insert the C81 dongle into an available USB-C port on your device (PS5, Switch, PC/Laptop). If your device only has USB-A ports, use the included USB-A to USB-C adapter cable.
2. **Pairing Mode:** For first-time use, the C81 will automatically enter pairing mode (LED will flash blue and white). For subsequent uses, press and hold the Multi-Function Button (MFB) on the C81 until the LED flashes blue and white to manually enter pairing mode.
3. **Headphone Pairing:** Put your Bluetooth headphones or speakers into pairing mode. Refer to your audio device's user manual for specific instructions.
4. **Connect:** Keep the C81 and your audio device close to each other. They should automatically connect within a few seconds. The C81's LED will turn solid blue once connected.

2. Device-Specific Configuration

For PlayStation 5 (PS5)

After connecting the C81 and pairing your headphones, you need to adjust the audio settings on your PS5.

Your browser does not support the video tag.

Video: A step-by-step guide from AvantreeDirect USA on how to set up the C81 with a PS5, including connecting the dongle and configuring audio settings.

- Go to **Settings > Sound**.
- Under **Audio Output**, set **Output Device** to "USB Headset (Avantree C81)".
- It is recommended to turn off "Switch Output Device Automatically" to prevent the PS5 from switching audio output to other devices.
- For voice chat, ensure the **Input Device** under **Microphone** is set to "Controller Headset" if using the included analog mic with your controller.

For PC/Laptop (Windows/Mac)

After connecting the C81 and pairing your headphones, you need to adjust the audio settings on your computer.

Your browser does not support the video tag.

Video: An instructional video from AvantreeDirect USA demonstrating how to use the C81 with a PC, including plugging in and adjusting sound settings.

- Go to your PC's **Sound Settings Menu**.
- Change the **Audio Input & Output Device** to "Avantree C81".
- If using meeting software (e.g., Skype), ensure you select "Avantree C81" as the default input and output device within the software's settings.

OPERATING INSTRUCTIONS

1. Audio Streaming

Once connected, the C81 will stream audio wirelessly from your device to your paired Bluetooth headphones or speakers. Enjoy high-quality audio for gaming, movies, or music.

AUDIO STREAMING

Listen to your PS5 gaming audio & talk using the included analog mic



Image: A gamer enjoying PS5 audio streaming and voice chat using the Avantree C81 and its included analog mic.

2. Voice Chat with Mini Mic

For seamless wireless voice chat, plug the included analog microphone into your controller's 3.5mm jack. This allows you to communicate with teammates while simultaneously listening to game audio in stereo sound.



Image: A detailed view of the compact analog microphone that plugs into a controller for voice chat.

3. Dual Linking (Two Headphones)

The C81 supports connecting two Bluetooth headphones simultaneously, allowing you to share the audio experience with another person.



Image: Two individuals enjoying shared audio from a laptop using two Bluetooth headphones connected via the C81.

MAINTENANCE

- Keep the C81 dongle and accessories clean and dry.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Store the device in a safe place when not in use to prevent physical damage.

TROUBLESHOOTING

1. Audio Delays (Lag)

The C81 is aptX Low Latency certified, reducing lag to less than 40ms, which is virtually unnoticeable. Ensure your paired headphones also support aptX Low Latency for the best experience.

2. Poor Sound Quality in Talk Mode (PS5)

When chatting in-game, the dongle may switch to a mono, 16kHz bit rate signal due to Bluetooth technology limitations. To improve chat quality, use the included mini mic plugged into your controller and ensure your PS5's microphone input is set to "Controller Headset".

Your browser does not support the video tag.

Video: This AvantreeDirect USA video explains how to achieve good sound quality during chat on PS5 by correctly configuring microphone settings.

3. Connection Issues / Re-pairing

- Ensure both the C81 and your Bluetooth headphones are in pairing mode.
- Keep the devices within close proximity during pairing.
- If connection is lost, try unplugging and re-plugging the C81, then re-enter pairing mode on both devices.
- Physical obstructions can affect Bluetooth range. Try to minimize barriers between the C81 and your headphones.

COMPATIBILITY

The C81 adapter is designed for wide compatibility, enabling Bluetooth audio for previously unsupported devices.

COMPATIBLE DEVICES



CAN PLUG INTO

- PS5 & PS4
- Nintendo Switch
- PC, Mac, Linux



CAN PAIR WITH

- Bluetooth headphones
- Bluetooth earbuds
- Bluetooth speakers



CAN'T PLUG INTO

- Xbox
- PlayStation Portal
- Printers
- Projectors
- TVs



CAN'T PAIR WITH

- Sony PULSE 3D
- Turtle Beach Stealth headset
- Other 2.4G gaming headsets
- Keyboards & mice
- Game controllers

Image: A comprehensive chart detailing the Avantree C81's compatibility with various devices and audio peripherals.

Can Plug Into:

- PS5 & PS4
- Nintendo Switch
- PC, Mac, Linux

Can Pair With:

- Bluetooth headphones
- Bluetooth earbuds
- Bluetooth speakers

Cannot Plug Into:

- Xbox
- PlayStation Portal

- Printers
- Projectors
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Cannot Pair With:

- Sony PULSE 3D
- Turtle Beach Stealth headset
- Other 2.4G gaming headsets
- Keyboards & mice
- Game controllers

SPECIFICATIONS

Feature	Detail
Product Dimensions	0.55 x 1.02 x 0.28 inches
Item Weight	0.353 ounces
Item Model Number	BTDG-C81
Compatible Devices	Headphone, PS5, Nintendo Switch, PC, Mac, Linux
Specific Uses For Product	Headphones
Connector Type	USB Type A, USB Type C
Color	Black

WARRANTY & SUPPORT

Avantree offers a warranty for its products. To extend your warranty, please register your product within 30 days of purchase. For detailed warranty information and support, please visit the official Avantree website or contact their customer service.

For further assistance or questions, you can reach Avantree support at support@avantree.com. They aim to respond within 24 hours.