

[Manuals.plus](#) /

> [iFi](#) /

> iFi SilentPower Omni USB Audiophile Hub User Manual

## iFi Omni USB

# iFi SilentPower Omni USB

## AUDIOPHILE USB HUB

Model: Omni USB | Brand: iFi

### INTRODUCTION

The iFi SilentPower Omni USB is an advanced audiophile USB hub designed to deliver pristine audio quality by eliminating noise and optimizing power delivery. It features dedicated dual-fibre optical isolation, Active Noise Cancellation (ANC) for its USB Pure Ports, and a high-capacity internal battery for isolated power. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Omni USB device.



Front view of the iFi SilentPower Omni USB, showcasing its sleek design and central control knob.

### SETUP GUIDE

#### Package Contents

Before proceeding, ensure all components are present:

- iFi SilentPower Omni USB unit
- Power Adapter
- Dual-head USB cable
- Optical (SFP) modules (pre-installed or included)
- User Manual (this document)

## Connecting Your Omni USB

Follow these steps to connect the Omni USB to your audio system:

1. **Power Connection:** Connect the provided power adapter to the DC 9V/1.8A input on the rear of the Omni USB. Plug the adapter into a wall outlet.
2. **Source Connection:** Use the dual-head USB cable to connect your audio source (e.g., PC, streamer) to the USB input ports on the Omni USB. Ensure both data and power connections are made for optimal performance.
3. **DAC Connection:**
  - **USB Output:** Connect your Digital-to-Analog Converter (DAC) to one of the three ANC-enabled USB Pure Ports (blue ports) on the rear of the Omni USB.
  - **Coaxial/Optical S/PDIF Output:** If your DAC uses Coaxial or Optical inputs, connect the appropriate cable from the Omni USB's digital outputs to your DAC. The Omni USB offers both Standard and Enhanced Coaxial outputs.
4. **Optional Clock Input:** For systems requiring precise timing, connect an external 10MHz synchronous clock to the BNC clock input on the rear panel.



Rear panel of the Omni USB, showing DC input, clock input, optical, coaxial, and USB output ports.



A closer look at the various input and output ports on the Omni USB, including the Pure Ports for audio.

## OPERATING INSTRUCTIONS

### Powering On/Off

Press the power button located on the front panel to turn the unit on or off. The display will illuminate upon power-on.

### Understanding the Real-Time Display

The front display provides real-time diagnostics for each USB port, including voltage, current, power consumption, and noise levels. This allows you to monitor the performance and effectiveness of the Pure Ports.



The Omni USB's front panel, highlighting the real-time display for monitoring port performance.

## Battery-Only Mode

The Omni USB features an 8,000mAh battery that can be used to completely isolate power from both the source and mains. To activate battery-only mode, ensure the unit is fully charged and then disconnect the external power adapter. The unit will automatically switch to battery power. This mode is ideal for critical listening sessions where absolute power purity is desired.

The Battery Management System (BMS) optimizes charging to extend battery lifespan. The display will show battery status.

## Fast Charging (PD3.0)

The Omni USB supports PD3.0 fast charging passthrough for connected source devices, allowing for quick charging while maintaining audio integrity.

## Digital-to-Digital Conversion (DDC)

The Omni USB can convert incoming USB signals to Hi-Res 24/192kHz Coaxial and Optical S/PDIF outputs. Select the appropriate output (Standard or Enhanced Coaxial) based on your DAC's requirements for optimal sound.

## MAINTENANCE

To ensure the longevity and optimal performance of your iFi SilentPower Omni USB, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If using the battery-only mode frequently, allow the battery to fully discharge and recharge periodically to maintain its health. Avoid leaving the battery completely depleted for long durations.

## TROUBLESHOOTING

If you encounter issues with your iFi SilentPower Omni USB, refer to the following common problems and solutions:

### No Power / Unit Not Turning On

- **Check Power Connection:** Ensure the power adapter is securely connected to both the Omni USB and a working wall outlet.
- **Verify Outlet:** Test the wall outlet with another device to confirm it is supplying power.
- **Power Button:** Ensure the power button on the front panel is pressed firmly.
- **Battery Level:** If operating in battery-only mode, check the display for battery level. Recharge if necessary.

### No Audio Output

- **Cable Connections:** Verify all USB, Coaxial, or Optical cables are securely connected between the Omni USB, your source, and your DAC.
- **Source Output:** Ensure your audio source (PC, streamer) is configured to output audio to the Omni USB.
- **DAC Input:** Confirm your DAC is set to the correct input source (USB, Coaxial, or Optical) corresponding to the Omni USB's output.
- **Omni USB Display:** Check the real-time display for any error messages or unusual readings on the connected USB ports.
- **Restart Devices:** Power cycle the Omni USB, your source, and your DAC.

### Intermittent Audio / Noise Present

- **Cable Quality:** Ensure you are using high-quality, shielded cables.
- **Optical Isolation:** Verify the optical (SFP) modules are properly seated.
- **ANC Functionality:** The Active Noise Cancellation should be active on the Pure Ports. Check the display for noise readings.
- **Battery Mode:** Try operating in battery-only mode to rule out mains power noise.
- **External Interference:** Move the unit away from other electronic devices that might be causing interference.

## SPECIFICATIONS

Feature	Detail
Brand	iFi
Model	Omni USB
Hardware Interface	USB 3.0 (supports up to 10Gbps)
Total USB Ports	5 (3 ANC-enabled Pure Ports, 2 dedicated power supply ports)

Feature	Detail
Optical Isolation	Dual-fibre 10G/1.25G
Battery Capacity	8,000mAh
Digital Outputs	Hi-Res 24/192kHz Coaxial (Standard/Enhanced) and Optical S/PDIF
Clock Input	10MHz Synchronous
Dimensions	19 x 17 x 15 inches (Package Dimensions)
Item Weight	7.24 pounds
Color	Black
Manufacturer	Abbingdon Music Research



Dimensional overview of the Omni USB unit.

## WARRANTY INFORMATION

The iFi SilentPower Omni USB comes with a manufacturer's limited warranty. Please refer to the warranty card included in your product packaging or visit the official iFi website for detailed terms and conditions, including warranty period and coverage.

Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please contact iFi Audio customer support through their official channels:

- **Website:** Visit the official iFi Audio website for FAQs, support articles, and contact forms [www.ifi-audio.com/support/](http://www.ifi-audio.com/support/)
- **Email:** Refer to the iFi Audio website for specific support email addresses.

- **Phone:** Contact numbers may be available on the official website for your region.

Please have your product model (Omni USB) and serial number ready when contacting support.