5. ON/OFF and Analogue Volume Control

The analogue volume control in iDSD Diablo-X is considerably superior to any digital volume control. Warning: Due to the high power of iDSD Diablo-X, always start off at a low volume before you turn it on to avoid any hearing or equipment damage from misuse.

Power ON
Step 1 ON

Power OFF
Step 2 OFF

6. 3.5/PDIF 3.5mm Coaxial/Optical input

When USB is used, connect to a Coaxial/Optical cable through a Todoke-Mir Plug or the headset jack to avoid damaging your device.

7. Balanced 4.4mm fixed level analogue output

This is an analog output on 4.4 mm XLR or a balanced interconnect. The cable selection for an active speaker or an amplifier.

8. USB-C (5V) battery charge input

For charging only. Due the very high-power nature of iDSD Diablo-X, it will take ~12 hours and ~6 hours for a standard and high-powered charger respectively to fully recharge the iDSD Diablo-X.

9. LED for Battery Status

LED Status

- Off: No power input.
- Green*: > 25%
- Amber*: > 10%
- Red*: < 10%
- Flashing: Battery is charging.

Tip: The PF4 power management IC is managed by the iFi audio firmware.

10. USB3.0 Type A input port

For data transfer only. Connect your phone to the iDSD Diablo-X with a Lightning to USB-C cable (Apple) or a USB-C to USB Camera Adapter (Android). When using other audio sources, please connect with a USB cable.

Warning: Do not connect high-powered headphones directly to this output only.

Specifications

- USB 3.0 Type A: USB 3.0 compatible
- S/PDIF (3.5mm coaxial/optical)
- USB 3.0 type ‘A’ (USB2.0 compatible)

DSD:
- By Perseus DSD128/256 DSD by Burr-Brown

USB3.0 'Type A' input port

Specifications

- Ultra-low noise power supply
- Ultra-low impedance OS-CON polymer capacitors and Panasonic audio-grade electrolytic capacitors
- Analogue section upgraded with iFi custom ultra-low noise Op-Amp Ov2028
- Digital engine upgraded with iFi custom ultra-low noise Op-Amp Ov258
- Performance boosting Direct Drive® and Headamp Turbo®, Zero Jitter/Femto clock system upgraded for lower phase-noise/jitter
- Native DSD/PCM Burr-Brown® chipset
- Octa-DSD512/PCM768 and 2X DXD
- Performance boosting Direct Drive® and Headamp Turbo®, Zero Jitter/Femto clock system upgraded for lower phase-noise/jitter
- Octa-DSD512/PCM768 and 2X DXD

Technologies

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