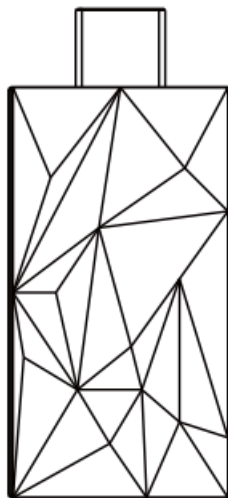


SilentPower iDefender Max a USB C Ground Loop Breaker and USB Power Injector User Manual

SilentPower

iDEFENDER MAX



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User Manual

OUTLINED

Thank you for purchasing the iDefender Max from SilentPower.

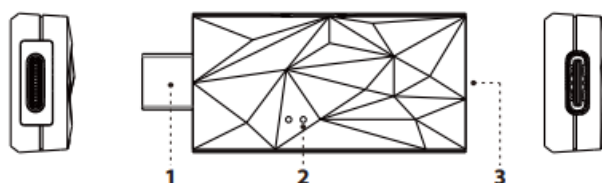
The iDefender Max is a USB-C Ground Loop Breaker and USB Power Injector.

The **iDefender Max** eliminates all distracting hum and noise in your Computer Audio System, allowing you to experience your Hi-Fi as silently and clearly as intended, with enhanced resolution and dynamics. Hum and noise often result from Earth/Ground loops from multiple devices in your system. The **iDefender Max** intelligently detects and disrupts noisy ground loops by disconnecting the PC's earth, eliminating audible ground-loop hum, and lowering the system's noise floor for enhanced audio.

iDefender Max features an additional USB-C port on the side for an external power supply, which, when used, replaces the PC's power with 'clean' external power. For optimal performance, consider using a high-quality, low-noise power adapter like SilentPower's iPower X. Recommended for audiophiles and home studio professionals, the **iDefender Max** is an essential upgrade for all USB DACs.

FEATURES

- IsoGround features intelligent auto ground loop detection and disconnection
- USB Noise Termination effectively cuts noisy USB power at the input
- Dedicated USB-C port ensures clean external power input
- Compatible with USB 3.0 for high-speed data transfer and includes USB-C connectivity to streamline cable management
- Supports up to 20V/5A power for maximum compatibility
- Encased in an aluminium alloy housing, which enhances cooling and durability



1. USB-C male

Insert into computer/laptop port.

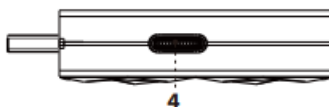
2. Operational LED colours

ORANGE Connection made between peripheral and device.

WHITE External 5V power supply active.

3. USB-C female

This is for connecting to the peripheral (e.g. USB DAC).



4. External USB-C power supply port

For USB-powered DACs, we recommend using our iPower supply connected to the USB-C power supply port to replace the PC's power with 'clean' external power. For optimal performance, consider using a high-quality, low-noise 5V power adapter like SilentPower's iPower X or iPower Elite.

If in doubt, consult your device manufacturer or open an enquiry with the SilentPower Support Ticket System via the website.

Specifications

- Input/Output: USB-C
- Compatibility: USB 3.0
- ^Max. Power Support: Up to 100W (20V/5A)
- External input rating: Up to 25W (5V/5A)

- Dimensions: 51.3 x 20 x 12 mm (2.0" x 0.8" x 0.5")
- Net weight: 23g (0.81oz)
- Limited Warranty: 12 months*

*12 months typical or as permitted/required by local reseller laws.
See FAQ at silentpower.tech for more information.
Specifications are subject to change without notice.

Cautions

1. Avoid extreme heat, cold and humidity.
2. Avoid dropping or crushing the **iDefender Max**.


Prolonged Heat Exposure

During normal use, your **iDefender Max** may become quite warm. This is normal and not a cause for concern. However, it is crucial to ensure good ventilation while using this device.

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Ver1.1

Documents / Resources

	SilentPower iDefender Max a USB C Ground Loop Breaker and USB Power Injector [pdf] User Manual iDefender Max a USB C Ground Loop Breaker and USB Power Injector, iDefender, Max a USB C Ground Loop Breaker and USB Power Injector, a USB C Ground Loop Breaker and USB Power Injector, C Ground Loop Breaker and USB Power Injector, Loop Breaker and USB Power Injector, Breaker and USB Power Injector, USB Power Injector, Power Injector, Injector
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References

- [User Manual](#)

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