

# OpenIDN adapter for the Helios DAC

ILDA Digital Network to USB adapter

## GETTING STARTED

Power up the device by plugging the included USB-C cable into the included wall charger, and then into the USB-C port on the backside of the OpenIDN adapter device. After around 20 seconds, the blue light should stop flashing, the device has now booted up.

Connect the device to your Helios Laser DAC using its USB-B cable, and then connect the device to a network either using the Ethernet port, or Wi-Fi (Wi-Fi requires configuration, see next paragraph). If you have the choice, it is highly recommended to use Ethernet as it is generally a more reliable connection with less latency and jitter.

If you use Ethernet with a DHCP-enabled network (normal home network with a router), the adapter should work out of the box, and the DAC should now be detectable in compatible software. If you connect it to a switch or computer directly without having changed any settings, the device will also attempt to automatically configure itself, but this can take around a minute. However, if you have a different network configuration, such as custom static IP addresses, or wish to use Wi-Fi, you must manually configure the device. You can do this using the "Helios OpenIDN Manager Tool" software. This tool also lets you customize the displayed name of the adapter. Download the software here:

<https://bitlasers.com/openidn-network-adapter-for-the-helios-dac#manager-tool>

Instructions on using the Manager Tool software can also be found on this website.

When using lasers, it is important to practice safety and familiarize yourself with local regulations.

## COMPATIBLE SOFTWARE

IDN (the protocol used by this device) works with many apps, *however not every app that works with the Helios USB connection works with IDN yet.*

Try **LaserShowGen**, a freemium laser show suite for both pre-programmed and live performances. It is available for Windows, Mac and Linux.

You can download LaserShowGen for free on:

[bitlasers.com/lasershowgen-sw](https://bitlasers.com/lasershowgen-sw)

Other options include:

- [MadMapper / MadLaser](#) (Windows, Mac)
- [HE-Laserscan](#) (Windows, **freemium**)
- [Derivative TouchDesigner](#) (Windows, Mac, freemium)
- [Millumin](#) (Mac)
- [Spaghetti Laser Show](#) (Windows)
- [ILD Render](#) (Windows)
- [Excalibur Paint Alchemy](#) (Windows, Mac, Linux)
- [LFI Player](#) (Windows, **free**)

## SUPPORT

The OpenIDN adapter is continuously being improved, please regularly use the Manager Tool to check for software updates.

If you experience problems with the device, try visiting the following website:

<https://bitlasers.com/openidn-network-adapter-for-the-helios-dac>

It contains more detailed information, and a contact form for emailing us. The OpenIDN adapter has a warranty of two years against defects. On the website above you can also find information about the developer tools for interfacing the DAC with your own programs by implementing the IDN protocol, or for modifying this device itself. The OpenIDN adapter software is fully open source. Electronics such as the OpenIDN adapter should be disposed of through an e-waste recycling center.