

Professional 24-bit / 192 kHz Dual
USB-C Audio Interface

neva OTG

Quick Start Guide



Introduction

Congratulations on your purchase of **Neva OTG**, a professional Dual USB-C audio interface for Mac and PC to connect microphones, synthesizers or guitars and to monitor signals with headphones or studio monitors in high level 24-bit / 192 kHz audio quality - while simultaneously being able to stream and record via many portable devices such as iPad or iPhone (via optional adapters) using the secondary USB-C sub OTG port. This truly makes **Neva OTG** a special device perfect for livestreaming and podcasting.

Getting Started

To start using **Neva OTG**, connect it to your computer using the included USB cable from the main USB-C port. It is a good time then to either connect headphones to the headphone connector on the front or to use the TRS outputs on the back to connect the interface to active studio monitors. You will not be able to listen to any audio signals otherwise.

On the Mac, **Neva OTG** does not require any drivers to be used (plug-and-play), however you can download a control panel application on our website. For Windows users, we provide a driver optimized for professional audio applications (incl. ASIO support) that is available for download - <http://en.esi.ms/124>. This driver also provides **DirectWIRE**, virtual audio channels and loopback functionality. This makes it possible to mix and record internal audio signals from various audio applications. More details about **DirectWIRE** and loopback can be found on our website in the extensive Knowledge Base under [kb.esi-audio.com](http://en.esi.ms/124).

Mobile Phone OTG Connection

To connect a mobile phone (or tablet), **Neva OTG** provides a subsidiary OTG USB-C port. If your mobile device has a USB-C connector, in many cases you can connect it to this using a simple USB-C to USB-C cable (for instance later iPhone models). With some mobile phones (typically Android based models), a so-called OTG adapter cable is required and for devices with Lightning connector (older iPhone and some iPad models), a so-called camera connection adapter is required.

Alternatively you can also use the 1/8" TRRS port of **Neva OTG** to connect it to the headphone / microphone connector of a mobile phone using the included TRRS to TRRS cable. This is a lower audio quality and the signal will be mono only compared to OTG USB-C, but it works with basically any mobile phone.

Neva OTG works like a standard audio interface if the OTG sub USB-C port is not used, however when you connect a phone like this, you can send your PC / Mac audio signals to the phone and use it for live streaming or recording. This is great to mix and process audio on your powerful computer while the phone is connected online.

You can actually connect two phones simultaneously, one via the TRRS port and another one via the subsidiary OTG USB-C port. However, for best results and best audio quality, it is best to use only the OTG USB-C port.

Microphone Connection

To connect a microphone to **Neva OTG**, you need to know if it is a dynamic or a condenser microphone. Only in the later case, 48V phantom power is required and the corresponding switch on the hardware needs to be enabled. If you are unsure what type of microphone you have, check its manual. You can connect two microphones simultaneously using XLR cables and the corresponding input selection switch must be set to 'Line'.

Guitar Connection

To use **Neva OTG** with an electric guitar or bass, you need to connect it with a TS guitar cable. For the corresponding input, the selection switch must be set to 'Hi-Z'.

Line Input

When both input switches are set to 'Line', **Neva OTG** accepts a stereo line input, for instance from a CD- or DVD-Player or from a synthesizer. Make sure that both gain knobs are set to the same level and the 48V switch is turned off then.

Input Monitoring

If you want to listen to the incoming audio signals, you can enable the so-called direct monitoring function with the 'Direct' monitoring switch on **Neva OTG**. When enabled, you listen to incoming signals and playback simultaneously.

Recording and Playback

To check if **Neva OTG** is working with your computer, it is best to play music as a test signal while you slowly turn up the headphone level volume knob (when using headphones) or the master volume knob when using speakers. Make sure you are not making the playback signal too loud for your ears.

You can record audio in your favorite audio application (i.e. a DAW like Bitwig Studio 8-Track or an audio recorder like WaveLab LE) after selecting **Neva OTG** as recording and playback device in its settings dialog (refer to the manual of your software for details, also you can find more info in our Knowledge Base under [kb.esi-audio.com](http://en.esi.ms/124)).

Once you start the recording process using either input 1 or 2, slowly turn up the corresponding gain knob clockwise until the input level meters in the software show a proper signal level. Additionally, the LED right next to the XLR input also indicates the

signal level. When the light is off, it is likely that the volume is too low or there is no signal. When it turns green, the signal level is usable. Orange usually indicates an optimal level and red means that the level is too high (i.e. the signal clips) and the gain has to be reduced.

Connectors and Functions

- 1 XLR / TRS Combo Input 1 to connect a microphone via XLR cable, a line signal via 1/4" TRS connector or an electric guitar with 1/4" TS connector.
- 2 XLR / TRS Combo Input 2 to connect a microphone via XLR cable, a line signal via 1/4" TRS connector or an electric guitar with 1/4" TS connector.
- 3 Gain Knob 1 to change the input gain / input level for input 1. The LED below and next to the XLR connector indicates the signal level (green: low / ok, orange: optimal, red: too loud).
- 4 Gain Knob 2 to change the input gain / input level for input 2. The LED below and next to the XLR connector indicates the signal level (green: low / ok, orange: optimal, red: too loud).
- 5 Line Hi-Z Switch 1 for input 1 to switch between Line / Microphone signals and Hi-Z guitar signals.
- 6 Line Hi-Z Switch 2 for input 2 to switch between Line / Microphone signals and Hi-Z guitar signals.
- 7 Direct Monitoring Switch to enable or disable direct input monitoring to listen to the input signals.
- 8 +48V Phantom Power Switch to provide power for condenser microphones.
- 9 Master Volume Knob to control the master output volume of the main line output signal.
- 10 Headphones Volume Knob to change the output volume for connected headphones.
- 11 Headphones Output to connect headphones.
- 12 Security Lock to use it for theft protection.
- 13 Line Output 1 / 2 to connect the stereo master line level output signal via 1/4" TRS cables for left and right channels.
- 14 Phone TRRS allows you to connect to the headset connector of a mobile phone or tablet via a special 1/8" TRRS cable (included).
- 15 Subsidiary OTG USB-C connector to connect directly to a mobile phone or tablet either via USB-C to USB-C cable, via a special USB OTG adapter cable or via a camera adapter for Lightning ports.
- 16 Main USB-C Connector to connect the audio interface to a PC or Mac.

Software Control Panel

- A Input to control the input volume. The change in level is shown in dB values, left and right channels can be controlled simultaneously (stereo) or separately (mono) based on the mouse pointer position.
- B Output to control the playback volume of output channels 1/2. The change in level is shown in dB values, left and right channels can be controlled simultaneously (stereo) or separately (mono) based on the mouse pointer position.
- C Input Mute to mute the input signal.
- D Output Mute to mute the playback signal for channel 1/2.
- E Enable OTG Recording to allow the recording of the return signal from the mobile phone connected to the OTG subsidiary port via input channels 3/4. If disabled, the signal cannot be recorded in your audio applications.
- F OTG Signal Volume to control the volume of the return signal from the mobile phone connected to the OTG subsidiary port.
- G OTG To Output to switch whether the return signal from the mobile phone connected to the OTG subsidiary port will be audible via the outputs of **Neva OTG**.

Transfer Audio Signals from / to Mobile Phone

Neva OTG presents itself as a 4 channel audio interface inside all your audio applications on PC or Mac:

Output channel 1/2 is the direct audio signal sent through the headphone output or the main line output of the audio interface. Output channel 3/4 however, is used to transfer audio signals to the connected mobile phone. This means that any signal being played via channel 3/4 from any audio software on your PC/Mac can be recorded by your phone (for instance for a livestream).

Any audio signal the phone plays is being sent to input channel 3/4, so you can record the phone signal in your audio software if needed (if the 'Enable Rec' button is activated), also (if the 'To Output' button is on), you can listen to the signal via the outputs of **Neva OTG**.

Input channel 1/2 provides the physical hardware inputs (microphone, Hi-Z guitar, line) for recording inside your audio software.

General Information

If something is not working as expected, please don't return the product and use our technical support options via www.esi-audio.com or contact your local distributor.

Front Panel



Back Panel



Legal Information

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Disclaimer:

All features and specifications subject to change without notice. Parts of this document are continually being updated. Please check our web site www.esi-audio.com occasionally for the most recent update information.

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Control Panel

