



Overhub

MULTI TT USB 3.0 User Manual

Warranty

Elektron accessories are sold with a one year limited warranty, starting from the date of the original purchase. Being able to prove the date of the original purchase with an invoice or a receipt is necessary if you require warranty service. If the accessory should need a repair during the warranty period no charges will be added for parts or labor. This warranty is transferable to other owners if the Elektron accessory be resold during the warranty period. Items belonging to the Elektron Style range of products (t-shirts, stickers, posters etc.) are not covered by this warranty.

This warranty does not cover (a) damage, deterioration or malfunction resulting from accident, negligence, misuse, abuse, improper installation or operation or failure to follow the instructions for this product; any shipment of the product (claims must be presented to the carrier); repair or attempted repair by anyone other than Elektron or a certified Elektron repair center (b) any unit which has been altered or on which the serial number has been defaced, modified or removed; (c) normal wear and any periodic maintenance; (d) deterioration due to perspiration, corrosive atmosphere or other external causes such as extremes in temperature or humidity; (e) damages attributable to power line surge or related electrical abnormalities, lightning damage or acts of God; or (f) RFI/EMI (interference/noise) caused by improper grounding or the improper use of either certified or uncertified equipment, if applicable.

Warranty service procedure for accessories bought from a retailer

Please contact their support if you need warranty service. You will then be guided how to proceed with your errand. Note that the Elektron one year limited warranty is in addition to any warranty your retailer may offer.

Warranty service procedure for accessories bought from the Elektron Online Shop

Contact the Elektron Support at www.elektron.se if you need warranty service. You cannot send a unit to a certified Elektron repair center unless agreed to by Elektron. The customer is responsible for shipping charges if the accessory needs to be shipped to a certified Elektron repair center for warranty service. Elektron covers the shipping back to the customer during the warranty period. Should the unit be dead on arrival, or if the hardware malfunctions within 2 weeks of the original purchase date, Elektron will cover the shipping to a certified Elektron repair center.

FCC compliance statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

European Union regulation compliance statement

This product has been tested to comply with the Low Voltage Directive 2006/95/EC and the Electromagnetic Compatibility Directive 2004/108/EC.

Meets EU RoHS 2 Directive 2011/65/EU.



This symbol indicates that your product must be disposed of properly according to local laws and regulations.

Safety & maintenance

IMPORTANT SAFETY INSTRUCTIONS. Carefully read these instructions and save them for future reference.

Do not expose the unit to rain, moisture, dripping or splashing and also avoid placing objects filled with liquid, such as vases, on the unit.

Do not expose the unit to direct sunlight, nor use it in ambient temperatures exceeding 50°C.

Do not unmount the enclosure. There are no user repairable or adjustable parts inside. Leave service and repairs to trained service technicians only.

Never use any aggressive cleaners on the casing or the ports. Remove dust, dirt and fingerprints with a soft, dry and non-abrasive cloth. More persistent dirt can be removed with a slightly damp cloth using only water. Disconnect all cables while doing this. Only reconnect them once the unit is safely dry.

Install in accordance with the manufacturer's instructions.

If an external AC adapter is connected, connect to an easily accessible power outlet close to the unit.

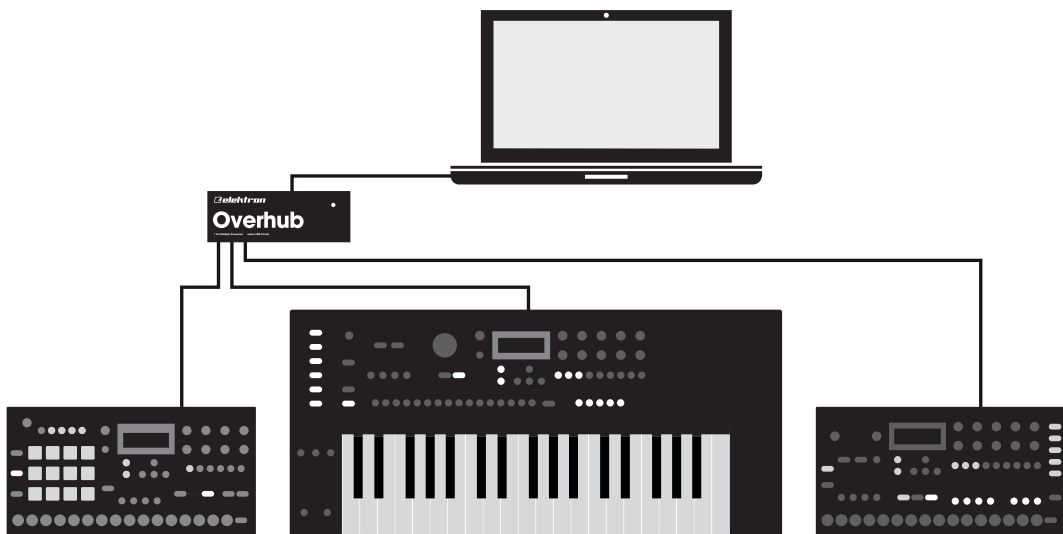
In the EU, only use CE approved power cords.

Only use attachments/accessories specified by the manufacturer.

Do not install near any heat sources such as radiators, heat registers, stoves, or any other unit that produces heat. Protect the cords and connectors from being walked on or pinched.

Elektron Overhub

The agile companion for your Overbridge Suite setup.



Connect up to 7 Overbridge Devices - Analog Keys, Analog Four and Analog Rytm - to a single computer host. Using a Multiple Transaction Translator hub like Overhub will, unlike most standard USB hubs, provide maximum speed data streaming without transfer speed reduction with each additional device connected.

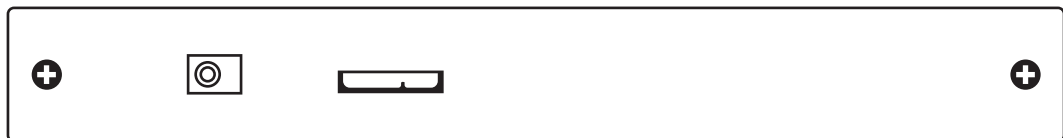
Overview

Front

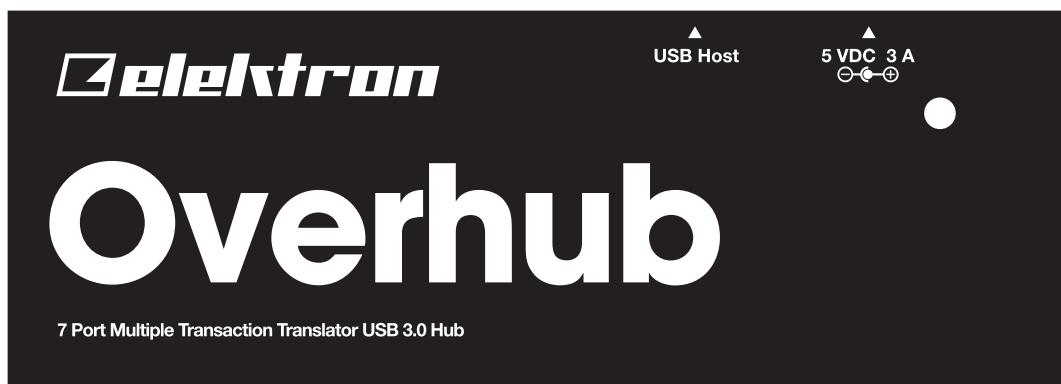


7 x USB 3.0 Type A Ports, connects to devices.

Back



- 5V DC 3A Power In (AC Adapter Not Included)
- 1 x USB 3.0 Micro B port, connects to host.



1 x Green LED light. Lights up when the unit receives operating voltage via the USB connection (from the computer) or the Power in connection (via an external AC adapter). It does not indicate communications through the hub.

The 7 device connector ports are backwards compatible with all previous versions of USB. The host connector port is of the USB 3.0 standard, which is up to ten times faster than USB 2.0.

Overhub is a high-performance Multiple Transaction Translator Hub. With it, you can connect up to 7 USB devices to a single host computer. A Multiple Transaction Translator hub merges multiple Full speed (12 Mbit/s) devices together in a high speed (480 Mbit/s) stream.

Use of a standard Single Transaction Translator hub (the most common type readily available), conversely, only lets one stream through at a time, making the hub itself a bottleneck for full speed USB devices.



Should you experience a limited channel count in the Overbridge control panel or connection issues when using several Overbridge devices, please use the bundled USB 2.0 cable. The problem is related to certain USB chipsets and drivers incorrectly handling the USB 3.0 protocol.

The following items are included:

- Overhub Multiple Transaction Translator Hub with 7 device ports and 1 host port (USB 3.0)
- USB 2.0 A to Micro-B Connector Cable
- USB 3.0 A to Micro-B Connector Cable
- Four rubber feet
- This manual

Power Supply not included. Bus power from the computer host is sufficient to power 7 Overbridge devices. Should you need to power a USB drive or charge an MP3 player you need an AC adapter (not included). Compatible power supply: 5 VDC 3A Connector 3,5 x 1,35 mm, center pin positive.

Elektron Contact Info

Elektron HQ

Elektron Music Machines MAV AB
Sockerbruket 9
414 51 Göteborg
Sweden

Elektron USA

Elektron Music Machines Inc
1340 E 6th St #632
Los Angeles
CA 90021
USA

Elektron Japan

Elektron Music Machines Japan K.K.
Murata Mansion 311
4-28-8 Yoyogi, Shibuya
Tokyo 151-0053
Japan