

USB 2.0 | 4-Port Hub Plus

EXT-USB-144NP

User Manual

Release A1



Important Safety Instructions

GENERAL SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warranty Information

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications is subject to change without notice.

For the latest warranty coverage information, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at www.gefen.com.

PRODUCT REGISTRATION

Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.

Contacting Gefen Technical Support

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Technical Support Hours: 8:00 AM to 5:00 PM Monday - Friday, Pacific Time

USB 2.0 4-Port Hub is a trademark of Gefen, LLC.

Important Notice

Gefen, LLC reserves the right to make changes in the hardware, packaging, and any accompanying documentation without prior written notice.

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Operating Notes

- The USB 2.0 4-Port Hub can be powered by connecting the included USB cable to a computer or by connecting the included 5V DC power supply. *NEVER* connect the power supply to the USB hub when it is being powered by the computer. Doing so may damage all USB devices that are connected to the USB hub.

Features and Packing List

Features

- Connect up to four (4) USB devices
- Extends USB devices up to 30 feet (9 meters) from the Hub
- Supports Hi-Speed 480 Mbps data transfer rate
- Supports both USB 2.0 and USB 1.1 standards
- USB charging detection provides fast recharge (1.5A) function on any one port
- Compliant with USB-IF Battery Charging Specification 1.1
- Smart-charging adapter for charging high-powered USB devices
- Bus-Powered mode or externally powered
- External power supply included
- Hot-swap capability
- Blue LED power indicator

Packing List

The USB 2.0 4-Port Hub ships with the items listed below. If any of these items are not present in your box when you first open it, immediately contact your dealer or Gefen.

- 1 x USB 2.0 4-port Hub
- 1 x USB Type A to Mini-B cable
- 1 x Smart Charger Adapter
- 1 x Power Supply

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USB 2.0 | **4-Port Hub Plus**

01 Getting Started

Panel Layout

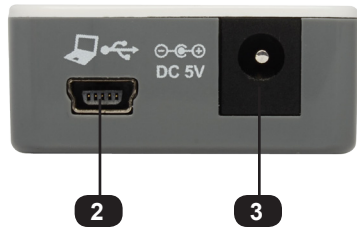
Side 1 and 2



Top



Back



ID	Name	Description
1	USB Port (Type-A)	Connect USB devices to these Type-A USB ports.
2	USB Port (Mini-B)	Connect the included USB cable from this Mini-B connector to the computer.
3	5V DC	Connect the included 5V DC power supply to this power receptacle. See Installation for important connection information.

Installation

Connecting the USB 2.0 4-Port Hub

- The USB 2.0 4-Port Hub Plus can be powered in one of two ways:
 - ▶ Connect the included Type-A to Mini-B USB cable from the USB hub to an available USB port on the computer.

OR

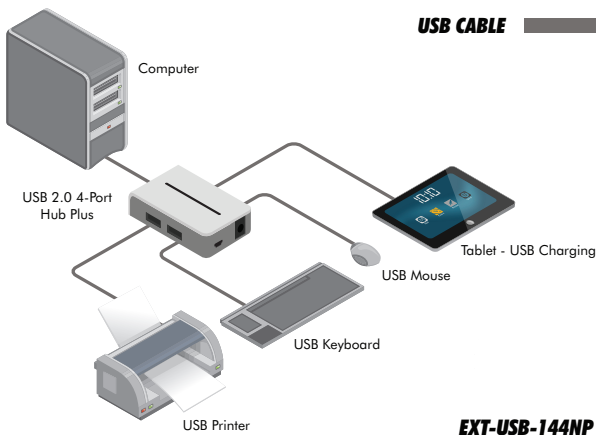
- ▶ Connect the included 5V DC power supply to the power receptacle on the USB hub. Connect the power supply to an available electrical outlet.



WARNING: *Never* connect both the included power supply and the Mini-B USB cable (from the computer) to the USB hub. This may damage USB devices which are connected to the USB hub.

- Connect up to four USB devices to the USB ports on the USB 2.0 4-Port Hub.

Sample Wiring Diagram



EXT-USB-144NP

USB 2.0 | **4-Port Hub Plus**

02 Appendix

Specifications

Supported Formats

USB	<ul style="list-style-type: none">• Hi-Speed 480 Mbps• USB 1.1 and USB 2.0
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Connectors

Ports	<ul style="list-style-type: none">• 1 x USB Mini-B, female, 4-pin• 4 x USB Type-A, female, 4-pin
Power	<ul style="list-style-type: none">• 5V DC

Operational

Power Output (bus-powered)	<ul style="list-style-type: none">• 500mA (max.)
Power Output (power supply)	<ul style="list-style-type: none">• 2.5A (max.)
Operating Temperature	<ul style="list-style-type: none">• +32 to 104 °F (0 to +40 °C)

Physical

Dimensions (W x H x D)	<ul style="list-style-type: none">• 2.57" x 1.58" x 0.71" (430mm x 42mm x 200mm)
Unit Weight	<ul style="list-style-type: none">• 0.2 lbs (0.09 kg)



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This product uses UL or CE listed power supplies.