



Metal 7-Port USB 2.0 Powered Slim Hub for PC- MAC with Power Adapter

Product Manual



Coolgear, Inc.

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Model Number: USBG-7U2ML

Revision History

Revision	Date	Author	Comments
1.0	07/14/2015	Coolgear	Original format
1.1	09/28/2017	Coolgear	New Manual Format

About this document

This product manual outlines installation and features of the USBG-7U2ML Metal 7-Port USB 2.0 Powered Slim Hub for PC-MAC with Power Adapter.

Scope

The scope of this manual is to give the user of the product an understanding of its use with detailed diagrams and verbiage. The manual allows the users to apply the product to their application.

Intended Audience

This product is intended for use in numerous industries including but not limited to applications such as; Data Centers, Machine Equipment, Kiosk, Office, and others.

Product Support

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1. Introduction

The High-Speed 7-port USB 2.0 hub provides an ideal solution to expand 7 USB 2.0 ports from one single USB 2.0 host port. It provides 2 optional self power sources (from DC jack or small 4-pin power connector) to provide enough power on USB 2.0 buses.

WEIGHT	1.8 lbs
DIMENSIONS	6.013in(L) (7.013 w/flange) x 2.350in(W) x .908(H)
UPC	729440625139
WARRANTY	1 year from date of purchase
COLOR	Black
DOWNSTREAM PORTS	7 USB Type-A Ports
UPSTREAM PORTS	1 USB Type-B Port

1.1 Features

- Compliant with USB Specification Revision 2.0
- Rigid and Wall-mountable Metal Case
- Supports High-speed and or Full-speed Packet
- Protocol Sequencer for Endpoint 0/1
- Provides 7 Downstream Facing Ports
- Supports 480Mbps, 12Mbps, and 1.5Mbps Speed
- Supports Self-powered and Bus-powered Mode

1.2 Connector Layout

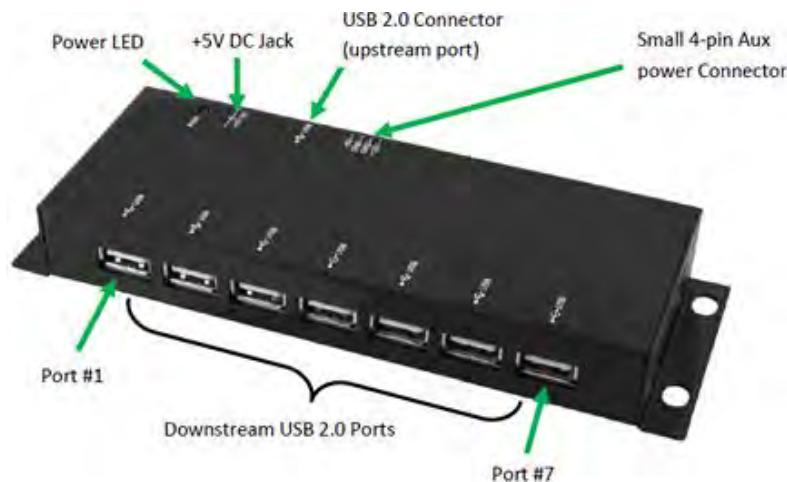


Figure 1

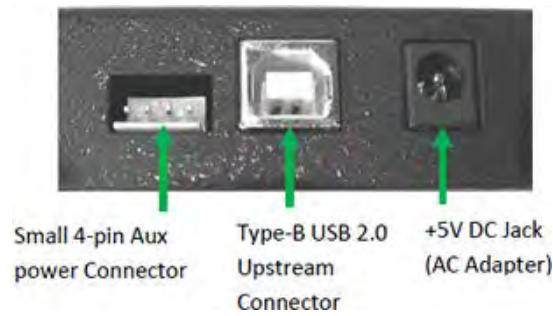


Figure 2

+5V DC Jack Power	USB 2.0 Upstream Port	Small 4-Pin Aux Power
<p>A DC 5V AC adapter is supplied with this product. The AC adapter’s output has to be connected to here.</p>	<p>Type-B connector from upstream USB 2.0 port. It is connected from host or another USB 2.0 hub.</p>	<p>This connector (only +5VDC is required) is used to supply the power from the standard PC power connector. If you supply the power from DC jack, then you don’t have to connect the power to this connector.</p>

1.3 Hardware Installation

1. **Use static electricity discharge precautions.** Remove possible static discharge potential from any objects that the hub may come in contact with before installation. This can be accomplished by touching a bare metal chassis rail after you have turned off the power.
2. **Attach the AC power adapter.**
3. **Connecting USB Host cable:** The host cable is a standard A-to-B USB 2.0 cable. Please connect the type-A end connector of the cable to your upstream USB port, then connect the type-B end connector to this hub. Since the USB hub is plug-and-play, you don’t have to turn off your host computer when installing the hub.
4. Connect the USB Devices to the downstream ports of this hub.
5. Mount your hub on the wall or DIN RAIL if required.

1.4 Checking the Hub Installation

To check the USB hub installation in Windows device manager, please follow the following steps:

1. Click **Start**
2. Click Control Panel
3. Click **System**
4. Click Device Manager button
5. Double Click Universal Serial Bus Controller
6. Double click **Generic USB Hub**, the message will show that this device is working properly

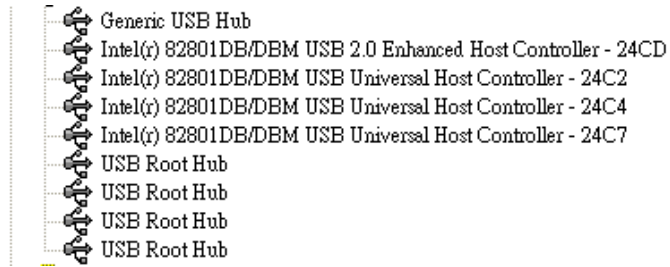


Figure 3

1.5 Environmental Specifications

Specification	Data
Operating Temperature:	0-55°C (32 to 131°F)
Operating Humidity:	5 to 95% RH

2. Notes, Tips, and Warnings

Note

In some cases, you will see an error message said that the USB Hub caused the USB bus power over the current limit, please ignore this message since the hub is hot plug and its power capacitor will cause a very short period of current. It will NOT affect your USB function.

Reference Section 1.3 Hardware Installation.

Tip

N/A

Warning

N/A

Safety

- Read the entire Product Manual before implementing this product for your application. This manual contains important information about electrical connections that must be followed for safe and proper operation.
- Inspect the product closely for visual defects before putting it to use.
- Keep away from areas where moisture builds, this product contains electrical components that can be damaged by moisture build up, this can adversely affect your equipment connected to it.
- Do not disassemble the product. Handling the product's internal components can expose it to ESD (Electro-Static Discharge) hazards that can affect the function of the device.
- If this product is not functioning properly, email our support team at support@coolgear.com.

3. Supporting References

Document	Link
Website Product Page	https://www.coolgear.com/product/metal-7-port-usb-2-0-powered-slim-hub-for-pc-mac-with-power-adapter

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