Industrial Grade 7-Port USB Hub

Table 1. LED indicators.

LED Type	State	Description
External Power	ON	External power is applied, and an active host connection exists. The hub will provide 500 mA per downstream port.
	OFF	No power is present.
Port LEDs 1–7	ON	Port is active and ready for use.
	OFF	Port has a fault. Power may need to be cycled.

Troubleshooting

Problem: Do I need drivers for the hub?

Solution: No, the operating system will detect it and install it automatically.

Problem: How can I be sure it has been installed?

Solution: The new hub will be listed in the Device Manager.

Problem: Can I use USB 1.1 and USB 2.0 devices together?

Solution: Yes. USB 2.0 is backwards-compatible with USB 1.0 and 1.1.

Black Box Tech Support: FREE! Live. 24/7. Tech support the way it should be.

Great tech support is just 60 seconds away at 877-877-2269 or BlackBox.com.

Contact Information — Order toll-free in the U.S. or for FREE 24/7 technical support: Call 877-877-BBOX (outside U.S. call 1-724-746-5500)

www.blackbox.com

info@blackbox.com

ICI207A
ICI208A

Industrial Grade 7-Port USB Hubs

Quick Start Guide

Isolated and non-isolated models available.

SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D HAZARDOUS LOCATIONS, OR NONHAZARDOUS LOCATIONS ONLY.

WARNING - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENT MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS KNOW TO BE FREE OF IGNITABLE CONCENTRATIONS.

INSTALL IN ACCORDANCE WITH CONTROL DRAWING NUMBER 260-10135-00

What's Included

Your package should include the following items. If anything is missing or damaged, contact Black Box Technical Support at 877-877-2269 or info@blackbox.com.

• (1) Industrial Grade 7-Port USB Hub

• (1) USB cable

• (2) panel-mount adapters and (4) mounting screws

• (1) DIN rail adapter and (3) mounting screws

• This quick start guide

NOTE: A power supply is not included.

Overview

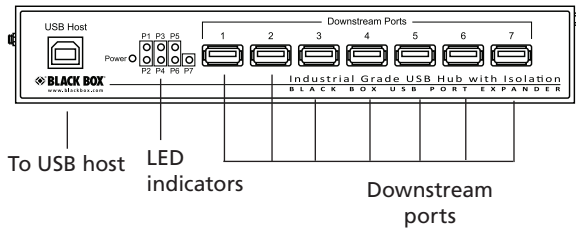Figure 1 shows the front view of the hub. Figure 2 shows the side view.
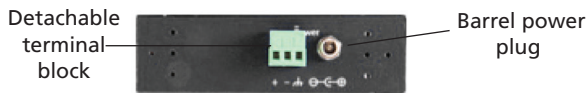

Figure 1. Front view.

Figure 2. Side view

Installation Steps

Step 1: Mounting

DIN rail mounting: Attach the DIN rail bracket with the flat surface of the bracket facing the back of the hub, as shown in Figure 3.

Figure 3. DIN rail bracket attached to hub.

Panel mounting: Attach the panel-mount brackets to either side of the hub. They can be attached in (4) positions: up, down, forward, and backward.

Figure 4. Panel-mount bracket positions.

Step 2: Connect the Power Supply

The isolated Industrial Grade 7-Port USB Hub (ICI207A or ICI208A) will not operate without an external power supply. You can use the detachable terminal block input or the locking barrel jack. The terminal block is polarity protected.

When powered, the ICI207A and ICI208A will provide 500 mA to each downstream port. They require 10 to 30 VDC of external power and will consume a maximum of 16 W.

NOTE: The ICI208A adds 4-kV isolation.

Step 3: Grounding

We recommend that you ground the chassis. Connect a grounding wire from the green ground lug to a good source of earth ground.
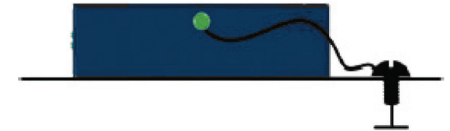

Figure 5. Grounding the chassis.

Step 4: LED Status

Figure 6 shows the LEDs on the ICI207A and ICI208A. Table 1 describes their functions.
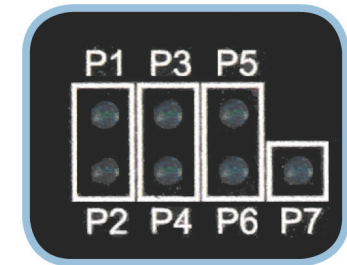

Figure 6. ICI207A.