# Pro Editor Converter Cable Datasheet

## Product Overview

*For use with Banner Pro Editor software and Banner Pro Series-enabled devices*

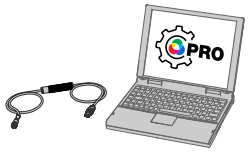


- Connects Pro Series-enabled devices to the PC-based Pro Editor software
- Can be used with mating accessory ACC-PRO-CABLE5 for connection to devices with an integral cable or terminal connection
- Banner's Pro Editor software is free to download and available from the product page of any Pro Series-enabled device or at www.bannerengineering.com/proeditor
- Full preview capabilities are available with the use of power supply PSW-24-1 and splitter CSB-M1251FM1251M

**NOTE:** When connected to a Microsoft Windows 10 device for the first time, the Pro Converter Cable automatically installs the correct Microsoft driver.[1] When connected to a Microsoft Windows 7 device for the first time, the Pro Converter Cable drivers must be installed manually. For more information, see www.bannerengineering.com/proeditor and search p/n 206058 to view the Pro Editor software instruction manual.

| Model | Adapter | Length | Connections |
|---|---|---|---|
| **MQDC-506-USB** | Pro Editor Software | 1.83 m (6 ft) | USB and 5-pin M12 male quick-disconnect connector |

## Pro Editor Software



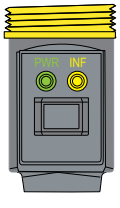

Banner's Pro Editor software offers an easy way to configure Pro Series-enabled indication, touch, and illumination devices, allowing users full control of device states and device logic modes.

Use the Pro Converter Cable to connect Pro Series-enabled devices to read, write, and preview device states.

For more information, see www.bannerengineering.com/proeditor and search p/n 206058 to view the Pro Editor software instruction manual.

## Features

*Pro Converter Cable LED Indicators*




**PWR (Cable Power Indicator)**

**Off:** No power
**Slow flashing green (0.5 Hz):** Normal Mode

**INF (Device Information Indicator)**

**Off:** Device power off
**Solid amber:** Device power on
**Fast flashing red (10 Hz):** Device power fault

[1] Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries.

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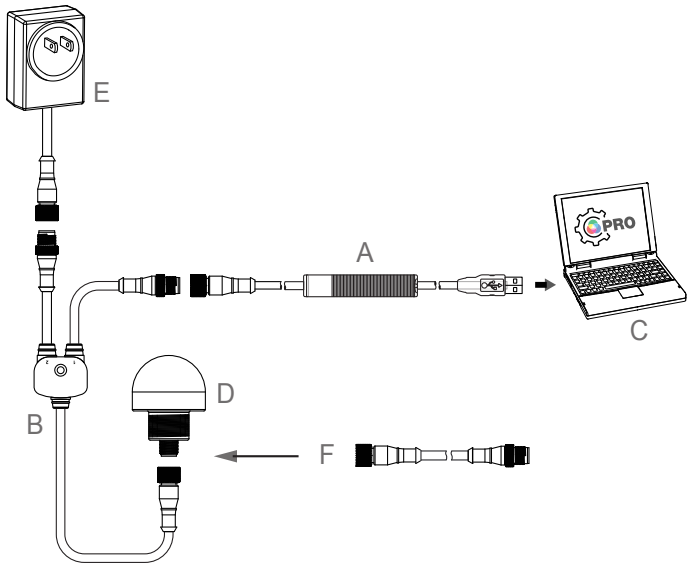
206059
p/n: 206059 Rev. C

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

## Full Preview Capabilities Setup (Recommended)




**Key**

A = Pro Converter Cable (MQDC-506-USB)
B = Splitter (CSB-M1251FM1251M)
C = PC running Pro Editor software
D = Any Banner Pro Series-enabled device (K50 shown)
E = Power Supply (PSW-24-1, PSW-24-2, or PSD-24-4)
F = 8-Pin to 5-Pin Double-Ended Cordset (MQDC-801-5M-PRO), required for 8-Pin models

## Install the Pro Converter Cable Driver (Windows 7)

When connected to a PC running Microsoft Windows 7 for the first time, the Pro Converter Cable drivers must be installed manually. To manually install the Pro Converter Cable driver on a Windows 7 device, follow these steps.

> **NOTE:** After connecting the Pro Converter Cable to a PC running Microsoft Windows 7 the following message may appear: "Device driver software not successfully installed".

1. Download the latest driver file from www.bannerengineering.com/proeditor.
2. Unzip (extract) the file labeled ProConverterCable_driver to a new location.
3. Open **Control Panel**.
4. Open **Device Manager** (in the System and Security category). The Pro Converter Cable is listed as **Communications Translator** under **Other Devices** with an exclamation mark icon next to it indicating that the device driver has not been successfully installed.
5. Right-click on **Communications Translator** and select **Update Driver Software...**.
6. Click **Browse my computer for driver software**.
7. Click on **Com ports**.
8. Click **Let me pick from a list of device drivers on my computer**.
9. Make sure that **Show All Devices** is selected and click **Next**.
10. Click **Have Disk...**.
11. Click **Browse...** and select the driver file. For example, banner0x00D2_cdc.inf.
12. Click **OK**.
13. A message displays that the driver has an Authenticode signature. Click **Next**.
14. An update driver warning displays. Click **Yes**.
15. An installation message displays. Click **install**.

The Pro Converter Cable is listed as a COM Port under Ports in **Device Manager**.

# Specifications and Requirements

**Pro Converter Cable Specifications**

**Input Voltage**
5 V DC from USB Type A connector

**Output Voltage**
20 V DC

**Banner Compatible Devices**
View compatible devices at www.bannerengineering.com/proeditor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**Certifications**

Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

**Indicators**

2 LED indicators:
Green Flashing: Power on
Amber Solid: Device on
Red Flashing: Device power fault

**Communications**

5-pin M12 male quick-disconnect connector compatible with Banner Pro Series-enabled devices

**Pro Editor Software PC Requirements**

**Operating System**

Microsoft ® Windows ® operating system versions 7 or 10

**Hard Drive Space**

20 MB

**USB**

Available USB port

**Screen Resolution**

1366 × 768 full color minimum

**Third-Party Software**

.NET version 4.5.2 or higher

**IMPORTANT:** Administrative rights are required to install the Pro Editor software.

## FCC Part 15 Class B for Unintentional Radiators

(Part 15.105(b)) 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.

(Part 15.21) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Industry Canada ICES-003(B)

This device complies with CAN ICES-3 (B)/NMB-3(B). 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.

Cet appareil est conforme à la norme NMB-3(B). Le fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas occasionner d'interférences, et (2) il doit tolérer toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité du dispositif.

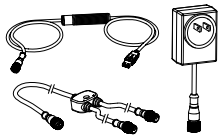
# Accessories

## Pro Editor Hardware

**PRO-KIT**

Includes:

- Pro Converter Cable (MQDC-506-USB)
- Splitter (CSB-M1251FM1251M)
- Power Supply (PSW-24-1)



**PRO-KIT-K50**

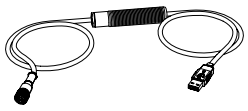
Includes:

- Pro Series-enabled K50 (K50L2RGB7Q)
- Pro Converter Cable (MQDC-506-USB)
- Splitter (CSB-M1251FM1251M)
- Power Supply (PSW-24-1)



**MQDC-506-USB**

- Pro Converter Cable
- 1.83 m (6 ft) length 5-pin M12 quick disconnect to Device and USB to PC
- Required for connection to the configuration software

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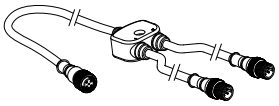
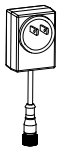
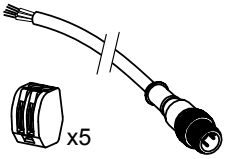
**CSB-M1251FM1251M**
- 5-pin parallel Y splitter (Male-Male-Female)
- For full Pro Editor preview capability
- Requires external power supply, sold separately



**PSW-24-1**
- 24 V DC, 1 A power supply
- 2 m (6.5 ft) PVC cable with M12 quick disconnect
- Provides external power with splitter cable, sold separately



**ACC-PRO-CABLE5**
- Mating accessory for cabled and terminal models
- 150 mm (6 inch) PVC cable with M12 quick disconnect
- Lever wire nuts included (qty 5)
- Required to connect cabled models and screw terminal models to Pro Converter Cable, sold separately




**MQDC-801-5M-PRO**
- 8-pin to 5-pin double-ended cordset
- 0.31 m (1 ft) PVC cable with M12 quick disconnects
- Required to connect 8-pin Pro Series-enabled devices to Pro Converter Cable (MQDC-506-USB), sold separately



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