

Manuals.plus /

› INSIGNIA /

› Insignia USB-to-RS-232 (DB9) Serial Adapter Cable User Manual

INSIGNIA NS-PU99501

Insignia USB-to-RS-232 (DB9) Serial Adapter Cable User Manual

MODEL: NS-PU99501

Introduction

This manual provides comprehensive instructions for the Insignia NS-PU99501 USB-to-RS-232 (DB9) PDA/Serial Adapter Cable. This cable allows you to connect devices with an RS-232 (DB9) serial port to a USB hub or a USB-equipped PC or Mac computer. It is designed for reliable data transfer and broad compatibility.



Image: The Insignia USB-to-RS-232 (DB9) Serial Adapter Cable, showing the USB-A connector on one end and the DB9

male serial connector on the other, with the cable coiled.

Features

- **Versatile Connectivity:** Connects devices with an RS-232 (DB9) serial port to a USB port, enabling modern computers to interface with legacy serial devices.
- **High Data Transfer Rate:** Supports data transfer rates of more than 115 Kbps for efficient and rapid performance.
- **Broad Compatibility:** Compatible with both PC and Mac operating systems.
- **Plug-and-Play (with drivers):** Designed for ease of use, though specific drivers may be required for certain operating systems or applications.

Package Contents

- Insignia USB-to-RS-232 (DB9) Serial Adapter Cable (Model: NS-PU99501)
- Quick Setup Guide (may vary by region)



Image: The Insignia USB-to-RS-232 (DB9) Serial Adapter Cable displayed within its retail packaging, showing the product name and brand.

System Requirements

- Computer with an available USB port (USB 1.1, 2.0, or 3.0 compatible)
- Operating System: Windows (XP/Vista/7/8/10/11) or macOS (specific versions may require driver updates)
- Internet connection for driver download (if required)

Setup and Installation

1. Driver Installation:

Before connecting the adapter, it is recommended to install the necessary drivers. While many modern operating systems may have built-in support, for optimal performance or if the device is not recognized, visit the official Insignia support website or the driver manufacturer's website (e.g., Prolific for PL2303 chipsets, if applicable) to download and install the latest drivers for your operating system.

2. Connect the Adapter to Your Computer:

Plug the USB-A connector of the Insignia adapter cable into an available USB port on your computer or a powered USB hub.

3. Connect to Your Serial Device:

Connect the DB9 (RS-232) connector of the adapter cable to the serial port of your peripheral device (e.g., modem, router, GPS, barcode scanner, industrial equipment).

4. Verify Installation:

After connecting, your operating system should detect the new hardware. You can verify the installation and identify the assigned COM port number through your computer's Device Manager (Windows) or System Information (macOS).

- **Windows:** Go to *Control Panel > Device Manager*. Look under "Ports (COM & LPT)" for an entry like "USB-to-Serial Comm Port (COMx)".
- **macOS:** Go to *About This Mac > System Report > USB*. Look for the adapter and its details.

Operating Instructions

Once the Insignia USB-to-RS-232 adapter is successfully installed and recognized by your system, it functions as a standard serial port. You can now use it with any software application that requires a serial (COM) port for communication.

- **Software Configuration:** Open your serial communication software (e.g., HyperTerminal, PuTTY, Tera Term, or a custom application).
- **Select COM Port:** Within your software, select the COM port number that was assigned to the Insignia adapter (e.g., COM3, COM4).
- **Configure Serial Settings:** Set the serial port parameters (baud rate, data bits, parity, stop bits, flow control) to match those of your connected serial device. Refer to your device's manual for these settings.
- **Initiate Communication:** Once configured, you can begin sending and receiving data through the adapter.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Avoid using liquid cleaners or solvents.
- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable excessively to prevent internal damage.
- **Handling:** Always grasp the connectors when plugging or unplugging the cable. Do not pull on the cable itself, as this can damage the internal wiring.

Troubleshooting

- **Device Not Recognized:**

Ensure the cable is securely plugged into both the computer's USB port and the serial device. Try a different USB port. Reinstall or update the drivers from the Insignia support website.

- **No Communication with Serial Device:**

Verify that the correct COM port is selected in your serial communication software. Double-check that the baud rate, data bits, parity, stop bits, and flow control settings in your software match those of your serial device. Ensure the serial device is powered on and functioning correctly.

- **Slow Data Transfer:**

Ensure you are using a high-speed USB port (USB 2.0 or 3.0) if available. Verify that the drivers are up-to-date. Check for any background processes that might be consuming system resources.

- **Intermittent Connection:**

Check for loose connections. Test the cable with another serial device or computer if possible to rule out a faulty cable or port.

If you continue to experience issues, please refer to the support section or contact Insignia customer service.

Specifications

Feature	Detail
Brand	INSIGNIA
Model Number	NS-PU99501 (LYSB01N062F8S-CMPTRACCS)
Connector Type	USB (Type-A Male) to RS-232 (DB9 Male)
Cable Type	USB to Serial Adapter Cable
Compatible Devices	PC, Mac, and various serial devices
Data Transfer Rate	More than 115 Kbps (up to 115 Megabits Per Second as per some specs)
Color	Black
Cable Length	Approximately 1.3 feet (0.4 meters)
Item Weight	2.88 ounces (approx. 81.6 grams)
Product Dimensions	6.2 x 4.1 x 1.5 inches (packaging dimensions)
UPC	600603166938

Warranty and Support

For information regarding product warranty, technical support, or to download the latest drivers and software, please visit the official Insignia website or contact their customer support directly.

Insignia Official Website: www.insigniaproducts.com

Please have your product model number (NS-PU99501) and purchase information ready when contacting support.

