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uxcell a16041400ux0909

Instruction Manual

uxcell 2.5FT USB 2.0 to Serial RS232 DB9 9Pin Adapter Cable PDA Cord GPS Converter Blue

1. INTRODUCTION

This instruction manual provides detailed information on the installation, operation, and maintenance of your uxcell USB 2.0 to Serial RS232 DB9 9Pin Adapter Cable. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PRODUCT OVERVIEW

The uxcell USB 2.0 to Serial RS232 DB9 9Pin Adapter Cable is designed to facilitate communication between modern computers with USB ports and legacy serial devices. It acts as a bridge, converting USB signals to RS232 serial signals, enabling connectivity for various applications such as LED displays, mini telephones, digital cameras, modems, and terminal adapter communication.



Figure 2.1: Overall view of the uxcell USB to Serial RS232 DB9 Adapter Cable.

This image displays the complete cable, highlighting its translucent blue color and the distinct USB Type-A and DB9 male connectors at each end. The cable itself is approximately 2.5 feet (75 cm) long.

2.1 Key Components

- **USB 2.0 Type A Male Connector:** Connects to your computer's USB port.
- **DB9 Male Connector:** Connects to the serial port of your peripheral device.
- **Cable:** 75cm (2.5ft) in length, designed for stable data transmission.



Figure 2.2: USB 2.0 Type A Male Connector.

This image provides a detailed view of the USB Type-A connector, which plugs into a standard USB port on a computer or hub. The connector features a blue plastic housing.



Figure 2.3: DB9 Male Connector.

This image shows a close-up of the DB9 male connector, which features nine pins arranged in two rows, along with two thumbscrews for secure attachment to a serial port.

3. FEATURES

- **High-Quality Chipset:** Utilizes a stable chipset (Ironclad Crystal Oscillator) for reliable performance, adhering to RS232 serial adapter standards.
- **Optimized Power Supply:** Incorporates an LC power filter circuit to ensure optimal power supply to the chip, enhancing stability and performance.
- **Stable Data Transmission:** Cable features 96PCS aluminum foil double shielding, four transmission conductors, and a ground wire, complying with USB 2.0 standards for fast and secure data transfer.
- **Broad Compatibility:** Suitable for connecting various serial port equipment, including LED displays, mini telephones, digital cameras, modems, and terminal adapter communication devices.
- **Plug-and-Play (with drivers):** Generally recognized by operating systems, though specific drivers may be required for full functionality.

4. SPECIFICATIONS

Attribute	Value
Product Name	USB to RS232 Converter

Attribute	Value
Connector Type	USB 2.0 Type A Male to DB9 Male
Cable Length	75 cm (2.5 ft)
Material (External)	Plastic
Color	Blue, Silver Tone
Net Weight	43g (1.52 ounces)
Model Number	a16041400ux0909
Compatible Devices	LED, mini telephone, digital camera, modems, terminal adapter communication, GPS Navigation System

5. SETUP

Follow these steps to set up your USB to Serial RS232 DB9 Adapter Cable:

- Driver Installation:** Before connecting the cable, it is highly recommended to install the necessary drivers for the USB to serial converter chipset. These drivers are typically provided on a mini-CD with the product or can be downloaded from the manufacturer's website. Without the correct drivers, the cable may not function properly.
- Connect to Computer:** Insert the USB 2.0 Type A male connector of the adapter cable into an available USB port on your computer.
- Connect to Device:** Connect the DB9 male connector of the adapter cable to the serial (RS232) port of your peripheral device (e.g., modem, GPS device, industrial equipment). Ensure the connection is secure, using the thumbscrews on the DB9 connector if available on your device.
- Verify Installation:** After connecting, your operating system should recognize the new hardware. You can verify the successful installation by checking your computer's Device Manager (Windows) or System Information (macOS/Linux) for the newly installed COM port.

Note: Driver installation is crucial for the proper functioning of the adapter. If you encounter issues, refer to the troubleshooting section or the manufacturer's support resources.

6. OPERATING INSTRUCTIONS

Once the adapter cable is successfully installed and recognized by your computer, you can use it to communicate with your serial device.

- Identify COM Port:** Determine the assigned COM port number for the USB to serial adapter. This can be found in your operating system's Device Manager under "Ports (COM & LPT)".
- Configure Software:** Open the serial communication software or application you intend to use (e.g., HyperTerminal, PuTTY, custom application). Configure the software to use the identified COM port and set the appropriate serial communication parameters (baud rate, data bits, parity, stop bits, flow control) to match those of your connected serial device.
- Initiate Communication:** Once configured, you can initiate communication through your software. Data sent from your computer via the USB port will be converted and transmitted through the DB9 serial port to your device, and vice-versa.

Ensure that both the computer and the serial device are powered on and correctly configured for communication.

7. MAINTENANCE

To ensure the longevity and optimal performance of your uxcell USB to Serial RS232 DB9 Adapter Cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable, especially near the connectors, to prevent internal wire damage.
- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Do not use liquid cleaners or solvents, as they may damage the plastic or internal components.
- **Handling:** Always grasp the connector ends when plugging or unplugging the cable. Avoid pulling on the cable itself, as this can strain the internal connections and lead to damage.
- **Protection:** Protect the connectors from dust and debris when not in use. Consider using dust caps if available.

8. TROUBLESHOOTING

If you encounter issues with your USB to Serial RS232 DB9 Adapter Cable, refer to the following common problems and solutions:

- **Problem:** The cable is not recognized by the computer, or an "Unknown Device" error appears.
Solution: Ensure that the correct drivers for the USB to serial chipset are installed. Check the manufacturer's website for the latest drivers. Try connecting the cable to a different USB port on your computer.
- **Problem:** Communication with the serial device fails.
Solution:
 - Verify that the COM port number in your communication software matches the one assigned to the adapter in Device Manager.
 - Check that all serial communication parameters (baud rate, data bits, parity, stop bits, flow control) in your software match those of your serial device.
 - Ensure the serial device is powered on and functioning correctly.
 - Try restarting your computer and the serial device.
- **Problem:** Intermittent connection or data corruption.
Solution: This could indicate a faulty cable or interference. Ensure the cable is securely connected at both ends. Avoid placing the cable near sources of strong electromagnetic interference. Try using a different USB port or a powered USB hub.
- **Problem:** The cable feels loose or the connectors are damaged.
Solution: If physical damage is apparent, the cable may need to be replaced. Avoid excessive force when connecting or disconnecting.

If these steps do not resolve the issue, please contact uxcell customer support for further assistance.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your uxcell USB 2.0 to Serial RS232 DB9 9Pin Adapter Cable, please refer to the official uxcell website or contact their customer service directly.

Manufacturer: uxcell

Website: [Visit the uxcell Store on Amazon](#) (for general product information and contact details)

Please have your product model number (a16041400ux0909) and purchase details ready when contacting support.

