Paradox 307-USB-modul

Paradox 307-USB Module User Manual

Your comprehensive guide to the Paradox 307-USB Module for direct PC-to-panel connection.

1. INTRODUCTION

The Paradox 307-USB Module is an essential interface designed for direct communication between your personal computer (PC) and Paradox security control panels. This module simplifies the process of programming, configuring, and managing your security system by providing a reliable USB connection.

It features a USB port and a serial port (DB-9), along with three LED indicators for PC, Central, and RX/TX status, offering clear visual feedback on the communication link.

Figure 1: The Paradox 307-USB Module, showing its compact design, USB and serial (DB-9) ports, and the integrated connection cable. This module facilitates direct data exchange between a computer and a Paradox security system panel.

2. SETUP AND INSTALLATION

Follow these steps to set up your Paradox 307-USB Module for the first time:

1. **Connect to PC:** Plug the USB end of the 307-USB Module into an available USB port on your computer. The module is generally plug-and-play and often does not require specific driver installation, especially on modern operating systems like Windows 10.

2. **Connect to Control Panel:** Connect the serial (DB-9) port of the 307-USB Module to the corresponding serial communication port on your Paradox security control panel. Ensure a secure connection.

3. **Software Installation:** Download and install the necessary Paradox programming software (e.g., WinLoad, BabyWare) from the official Paradox website. This software is crucial for configuring and managing your security system through the module.

4. **Verify Connection:** Once connected, observe the three LED indicators on the module:

- **PC LED:** Indicates connection and communication with the PC.
- **Central LED:** Indicates connection and communication with the control panel.
- **RX/TX LED:** Flashes during data transmission (Receive/Transmit) between the PC and the control panel.

5. **Initial Communication:** Open the Paradox programming software on your PC. Configure the software to use the correct communication port (usually a virtual COM port assigned to the USB module). Attempt to establish communication with the control panel.

The module supports communication speeds of up to 38.4 K with Digiplex EVO central units and 9.6 K with Magellan and Spectra SP central units.

3. OPERATING INSTRUCTIONS

The Paradox 307-USB Module acts as a bridge, facilitating data exchange. Its operation is primarily managed through the Paradox programming software on your PC.

- **Software Interface:** All programming, configuration, and diagnostic tasks are performed within the Paradox software. Refer to the software's user manual for detailed instructions on specific functions.
- **Monitoring LEDs:** Pay attention to the LED indicators on the module. A steady PC and Central LED, along with flashing RX/TX LEDs during data transfer, indicate proper communication.
- **Data Transfer:** When you initiate a command or request data from the control panel via the software, the module will transmit and receive information, indicated by the RX/TX LEDs.
- **Firmware Updates:** The module can be used to update the firmware of compatible Paradox control panels, as guided by the programming software. Ensure a stable power supply to both the PC and the control panel during firmware updates to prevent data corruption.

4. MAINTENANCE

The Paradox 307-USB Module is designed for low maintenance. To ensure its longevity and reliable performance, consider the following:

- **Cleaning:** Keep the module clean and free from dust. Use a soft, dry cloth for cleaning. Avoid liquid cleaners or abrasive materials.
- **Environment:** Store and operate the module in a dry environment, away from extreme temperatures, direct sunlight, and high humidity.
- **Connections:** Periodically check the USB and serial cable connections to ensure they are secure and free from damage.
- **Storage:** When not in use, store the module in a safe place to prevent physical damage.

5. TROUBLESHOOTING

If you encounter issues with your Paradox 307-USB Module, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
PC LED is off	Module not connected to PC, or PC USB port issue.	Ensure the USB cable is securely plugged into the PC. Try a different USB port. Restart the PC.
Central LED is off	Module not connected to control panel, or control panel is off.	Verify the DB-9 serial connection to the control panel. Ensure the control panel is powered on.

Problem	Possible Cause	Solution
RX/TX LEDs not flashing during communication attempt	No data transfer, incorrect software settings, or communication error.	- Check the communication port settings in your Paradox software (e.g., COM port number). - Ensure the correct control panel model is selected in the software. - Verify the control panel's communication settings. - Restart the Paradox software and try again.
Software cannot detect module/panel	Driver issue (rare), incorrect COM port, or software conflict.	- Check Device Manager on your PC to confirm the module is recognized and assigned a COM port. - Ensure no other software is using the same COM port. - Reinstall the Paradox programming software.

If problems persist, consult the Paradox programming software's help documentation or contact Paradox technical support.

6. SPECIFICATIONS

Key technical specifications for the Paradox 307-USB Module:

Manufacturer: PARADOX

Model: 307-USB Module

Interface: USB to Serial (DB-9)

LED Indicators: PC, Central, RX/TX

Communication Speed:
- 38.4 K baud with Digiplex EVO central units
- 9.6 K baud with Magellan and Spectra SP central units

Package Dimensions: Approximately 14.6 x 8.2 x 2.8 cm (5.75 x 3.23 x 1.1 inches)

Weight: Approximately 20 g (0.7 oz)

Batteries: Not included, not required

ASIN: B0743FNJ3P

First Available Date: 25 July 2017

7. WARRANTY INFORMATION

Specific warranty terms for the Paradox 307-USB Module are provided by the manufacturer, Paradox, and may vary based on region and point of purchase. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including coverage period and conditions, please refer to the documentation included with your product or visit the official Paradox website. Any repairs or modifications performed by unauthorized personnel will void the warranty.

8. TECHNICAL SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Paradox 307-USB Module, please contact Paradox technical support.

- **Official Website:** Visit the official Paradox Security Systems website for support resources, FAQs, software downloads, and contact information.

- **Distributor/Installer:** If you purchased the module through an authorized distributor or had it installed by a professional, they may be able to provide direct support.

- **Online Resources:** Check online forums or communities dedicated to Paradox products for peer-to-peer support and shared solutions.

When contacting support, please have your product model (307-USB Module) and any relevant error messages or observations ready to facilitate a quicker resolution.