

RF IDEAS 558003037-01

RF IDEAS pcProx 82 Series USB RFID Reader User Manual

MODEL: 558003037-01 (RDR-7582AKU-C06)

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1. Introduction

This manual provides instructions for the RF IDEAS pcProx 82 Series USB RFID Reader, Model 558003037-01 (RDR-7582AKU-C06). This device is a contactless card reader designed for integration with third-party software applications, supporting various ID badge technologies. It offers plug-and-play USB connectivity for PC/LAN access control and other applications.

The RF IDEAS pcProx 82 Series reader is engineered for reliable performance and ease of use, making it suitable for environments requiring secure and efficient identification.

2. Setup

The RF IDEAS pcProx 82 Series USB RFID Reader is designed for simple plug-and-play installation. No complex driver installations are typically required for standard operation.

2.1 Connecting the Reader

1. Locate an available USB Type A port on your personal computer.
2. Insert the USB connector of the RFID reader into the USB port.
3. The operating system should automatically detect the device and install necessary generic drivers. A confirmation message may appear indicating the device is ready for use.

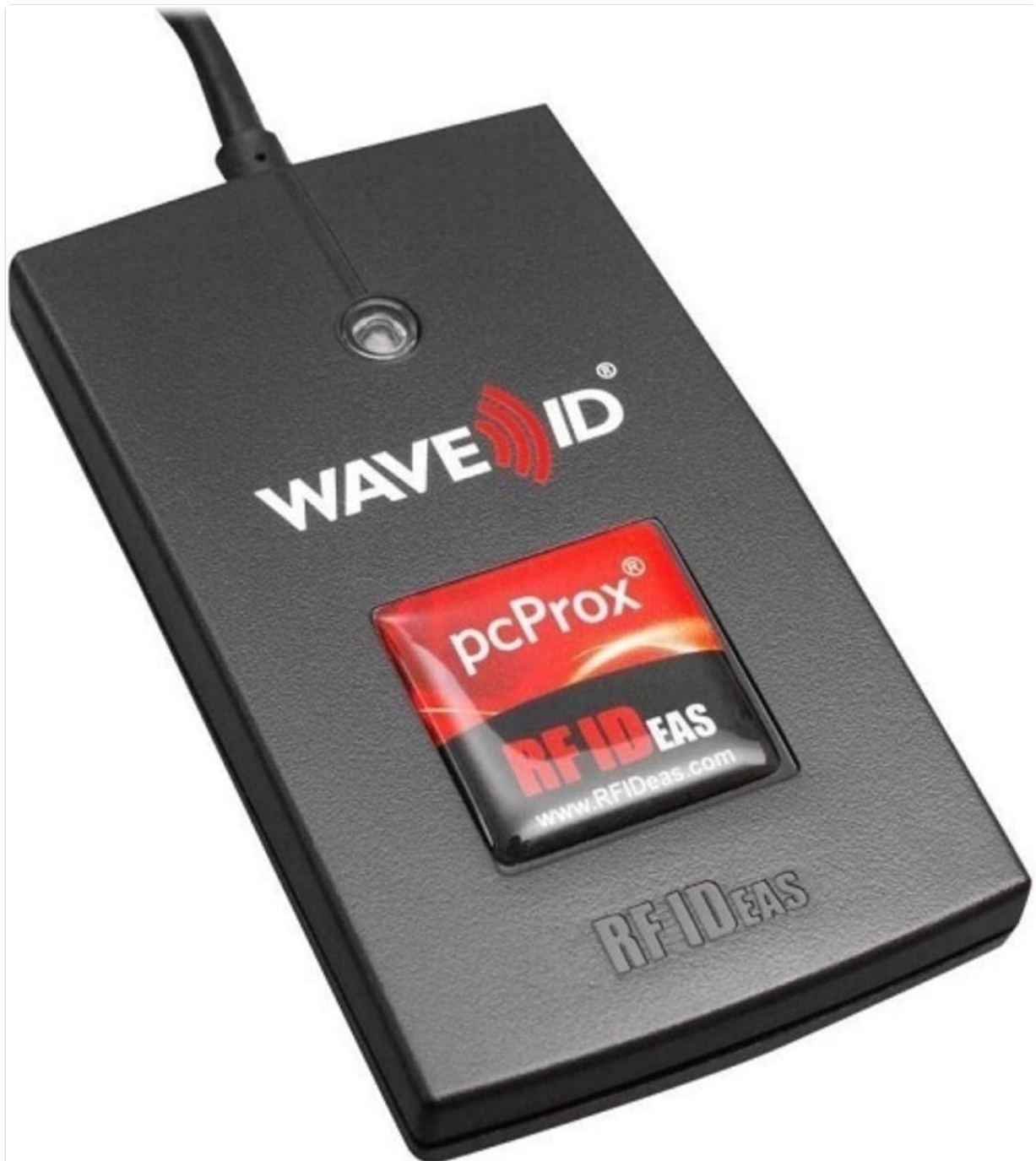


Figure 1: RF IDEAS pcProx 82 Series USB RFID Reader. This image shows the compact black RFID reader with its integrated USB cable, ready for connection.

2.2 Software Integration

This reader functions as an input device, typically emulating a keyboard to transmit card data. It is designed to work with third-party software applications for various purposes such as PC/LAN access control. Refer to your specific software application's documentation for configuration details regarding RFID reader input.

3. Operation

Once connected and recognized by your computer, the RF IDEAS pcProx 82 Series reader is ready to read compatible RFID cards.

3.1 Reading an RFID Card

1. Ensure the reader is connected to your computer and the relevant software application is running and awaiting input.

2. Hold a compatible RFID card or tag within close proximity (typically 1-3 inches) to the reader's sensing area. The sensing area is generally the top surface of the device.
3. The reader will emit a short beep or flash an indicator light (if present) to confirm a successful read.
4. The card's data will be transmitted to your computer, appearing as if typed via a keyboard, into the active field of your software application.

3.2 Supported Technologies

The pcProx 82 Series reader supports most common 13.56 MHz ID badge technologies. For a comprehensive list of supported card types, please refer to the official RF IDEAS product documentation or website.

4. Maintenance

The RF IDEAS pcProx 82 Series USB RFID Reader requires minimal maintenance to ensure optimal performance and longevity.

4.1 Cleaning

- Disconnect the reader from the USB port before cleaning.
- Wipe the exterior surface with a soft, dry, lint-free cloth.
- For stubborn dirt, lightly dampen the cloth with water or a mild, non-abrasive cleaner. Avoid harsh chemicals, solvents, or abrasive materials, as these can damage the device's finish.
- Ensure the device is completely dry before reconnecting it to your computer.

4.2 Storage and Handling

- Store the reader in a cool, dry environment, away from direct sunlight and extreme temperatures.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble the reader, as this will void the warranty and may cause damage.

5. Troubleshooting

If you encounter issues with your RF IDEAS pcProx 82 Series USB RFID Reader, refer to the following common troubleshooting steps:

5.1 Device Not Recognized

- **Check USB Connection:** Ensure the reader is securely plugged into a functional USB port. Try a different USB port or a different computer to rule out port issues.
- **Restart Computer:** Sometimes a simple system restart can resolve device recognition issues.
- **Check Device Manager (Windows):** Open Device Manager and look for the RFID reader under "Human Interface Devices" or "Smart card readers." If there's a yellow exclamation mark, try updating or reinstalling the driver.

5.2 Cards Not Reading

- **Card Compatibility:** Verify that the RFID cards you are attempting to read are compatible with the 13.56 MHz frequency and supported by the pcProx 82 Series reader.
- **Card Placement:** Ensure the card is held directly over the reader's sensing area and within the optimal reading distance.
- **Interference:** Keep the reader away from large metal objects or other electronic devices that might cause electromagnetic interference.

- **Software Application:** Confirm that your third-party software application is correctly configured to receive input from the RFID reader and is in an active state.

5.3 Incorrect Data Output

- **Software Configuration:** The reader's output format is often configurable via utility software provided by RF IDEAS. Ensure the reader's configuration matches the expected input format of your application.
- **Regional Settings:** Keyboard emulation can sometimes be affected by regional keyboard layouts. Check your operating system's keyboard settings.

If these steps do not resolve your issue, please contact RF IDEAS technical support for further assistance.

6. Specifications

Key technical specifications for the RF IDEAS pcProx 82 Series USB RFID Reader (Model 558003037-01):

Feature	Detail
Model Number	558003037-01 (RDR-7582AKU-C06)
Brand	RF IDEAS
Connectivity Technology	USB Type A
Special Feature	Plug & Play
Compatible Devices	Personal Computer
Data Transfer Rate	13.56 Megabits Per Second (Operating Frequency)
Package Dimensions	7.8 x 3.98 x 1.22 inches
Item Weight	3.84 ounces
Manufacturer	RF IDEas, Inc

7. Warranty & Support

7.1 Product Warranty

RF IDEAS products typically come with a limited manufacturer's warranty covering defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please refer to the warranty card included with your product or visit the official RF IDEAS website for detailed warranty information.

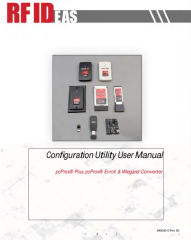


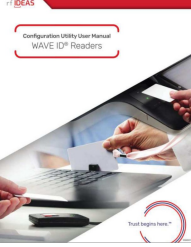

Keep your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or inquiries regarding product functionality, please contact RF IDEAS customer support.

- **Website:** Visit the official RF IDEAS website for support resources, FAQs, driver downloads, and contact information.
- **Contact Information:** Refer to the packaging or the RF IDEAS website for the most current phone numbers and email addresses for technical support.

Related Documents - 558003037-01

	<p>RF IDEAS pcProx Configuration Utility User Manual for Plus, Enroll & Wiegand Converters</p> <p>User manual for the RF IDEAS Configuration Utility, detailing how to configure pcProx Plus, pcProx Enroll, and Wiegand Converter RFID readers. Covers hardware, software setup, output formats, and troubleshooting.</p>
	<p>WAVE ID® Plus Reader Quick Start Guide</p> <p>Quick start guide for the rf IDEAS WAVE ID® Plus Reader (RDR-30MH1DKU-WL-HP), covering connector options, software installation, setup, configuration, and troubleshooting. Includes license agreement and compliance information.</p>
	<p>rf IDEAS Wave ID® Plus Badge Readers Quick Start Guide</p> <p>Quick start guide for rf IDEAS Wave ID® Plus Badge Readers (RDR-80081AKU-V2). Covers connector options, software installation, reader setup, configuration, troubleshooting, and compliance information for secure badge reading solutions.</p>
	<p>rf IDEAS WAVE ID® Readers Configuration Utility User Manual</p> <p>User manual for the rf IDEAS Configuration Utility, enabling users to configure WAVE ID® Solo and WAVE ID® Plus card readers. This guide covers software features, connection types, data formatting, advanced settings, cloning, card analysis, troubleshooting, and platform-specific setup for Windows, Linux, and macOS. It details support for various models including LEGIC 6300 readers.</p>
	<p>RF IDEAS WAVE ID® Plus Reader: Quick Start Guide and License Information</p> <p>Comprehensive guide for the RF IDEAS WAVE ID® Plus Reader, covering connector options, software installation, reader setup, configuration, troubleshooting, and the end-user license agreement. Includes system requirements, contact details, and compliance information.</p>

