

ACTpro-USB Desktop Reader

Installation Guide



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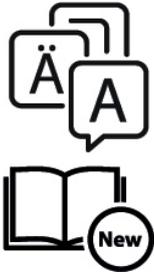
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- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

The full text of the EU declaration of conformity is available at: <http://van.fyi?Link=DoC>



http://van.fyi?Link=ACTpro-USB_Reader



Table of Contents

| | |
|--|----------|
| 1 System overview | 4 |
| 1.1 Ordering Information | 4 |
| 1.2 Technical Specification | 4 |
| 2 Installation | 5 |
| 3 Non ACT MIFARE cards | 6 |
| 3.1 Programming the ACTpro-USB Desktop Reader to read non-ACT MIFARE cards | 6 |
| 4 Capture cards | 7 |
| 4.1 Capturing a card in ACTManage | 7 |

1 System overview

The ACTpro USB reader is a plug and play desktop reader, with support for ACT RFID, HID, MIFARE Classic and DESFire EV1 technologies and is compatible with ACTenterprise versions 1.3.0.5 or later.

1.1 Ordering Information

| Product | Product Code | Description |
|---------------------------|------------------|--|
| ACTpro-USB Desktop Reader | V54504-F116-A100 | ACT-USB ACTpro MF/EM Enrollment Reader |

1.2 Technical Specification

| Features | Description |
|----------------------------|--|
| 13.56MHz technology | MIFARE Classic, MIFARE Plus, MIFARE DESFire EV1 |
| 125kHz technology | ACTRFID and HID |
| Dimensions | 116 x 67 x 14mm / 4½" x 2¾" x ½" |
| Power Supply | 5V DC- supplied from USB port |
| Current consumption | <100mA |
| Audio Indication | Buzzer when card presented |
| Visual Indication | Red LED on: Normal Green LED flashes when valid card presented Amber LED flashing: not connected to PC Green LED Flashing: capture mode |
| USB Cable | 1.5m / 4½ ft USB cable |



- Learned Cards and Site Coded cards are not supported by the USB reader.

2 Installation

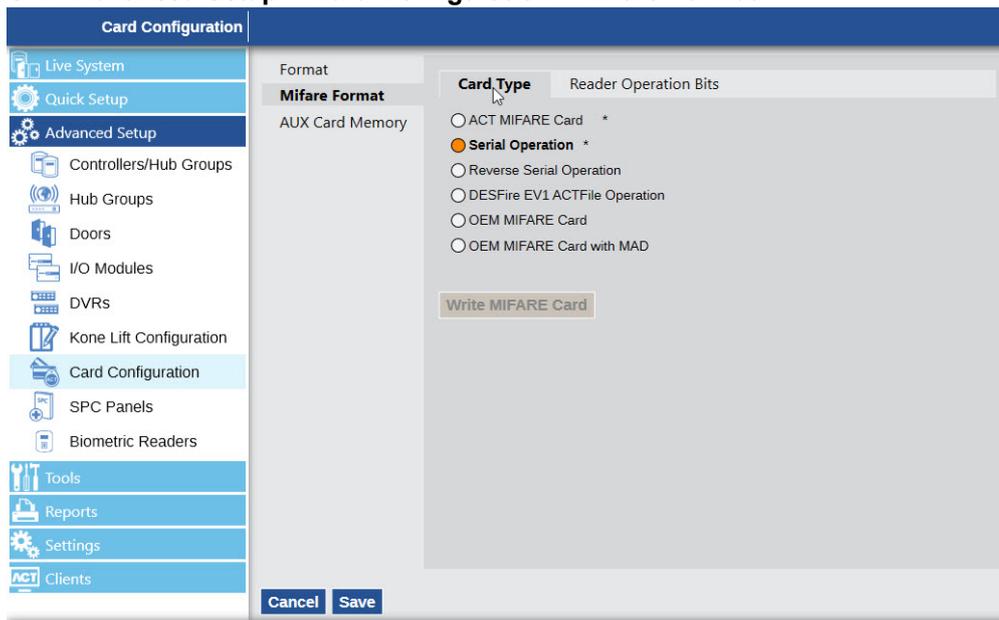
1. Install **ACTEnterprise** V1.3.0.5 or later.
2. Plug the ACTpro-USB Desktop Reader into an available USB port.
3. Wait for the installation of the driver to complete.
4. Run **ACTManage**.
5. Present card to reader.
If the card is already assigned to a user, the **User Details** page displays.
If the card is not assigned to a user, a new **User Details** page displays with the card number entered.

3 Non ACT MIFARE cards

The ACTpro-USB Desktop Reader may be programmed to read non ACT MIFARE cards.

3.1 Programming the ACTpro-USB Desktop Reader to read non-ACT MIFARE cards

1. Open **ACTInstall**.
2. Click **Advanced Setup > Card Configuration > Mifare Format**.



1. Select the appropriate **Card Type** from the list of options
2. Click **Save**.

The following Card Types are available:

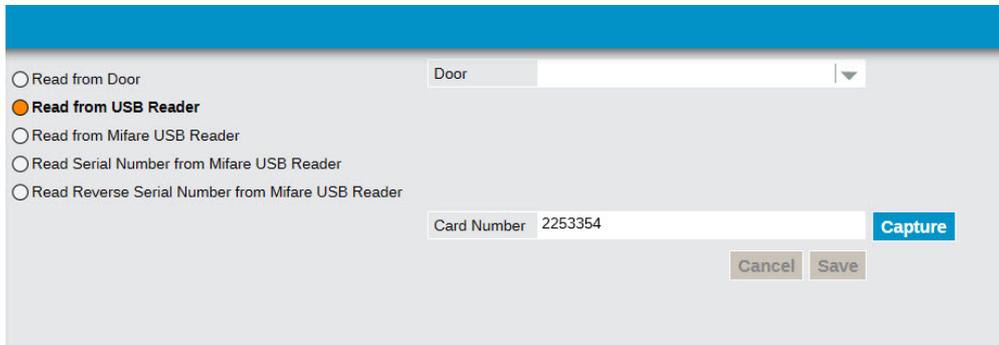
| | |
|--------------------------------------|--|
| ACT MIFARE Card | This is the default setting to read ACT MIFARE Cards |
| Serial Operation | Returns the MIFARE serial number |
| Reverse Serial Operation | Returns the MIFARE serial number in reverse |
| DESFire EV1 ACTFile Operation | Set when using ACT DESFire EV1 cards |
| OEM MIFARE card | Set when using non-ACT MIFARE cards |
| OEM MIFARE card with MAD | Set when using non-ACT MIFARE cards and reading the MIFARE Application Directory (MAD) data. |

4 Capture cards

Cards with both 125 kHz and MIFARE technology are enrolled using the capture card facility in **ACTManage**.

4.1 Capturing a card in ACTManage

1. Open **ACTManage**.
2. Click **Manage > Users**.
3. Click on the **Name** of the User to display the **User Details** page for that User.
4. Click on the **Capture Card** icon  beside the card number to display the **Card Number** page.



The screenshot shows a web interface for capturing a card number. It features a blue header bar. Below the header, there are several radio button options for reading the card: "Read from Door" (unselected), "Read from USB Reader" (selected), "Read from Mifare USB Reader" (unselected), "Read Serial Number from Mifare USB Reader" (unselected), and "Read Reverse Serial Number from Mifare USB Reader" (unselected). To the right of these options is a dropdown menu currently set to "Door". Below the radio buttons is a text input field labeled "Card Number" containing the value "2253354". To the right of this field is a blue "Capture" button. Below the "Capture" button are two smaller buttons: "Cancel" and "Save".

- To read the 125kHz number on the card, select **Read from USB Reader** and click **Capture**.
- To read the ACT MIFARE number on the card, select **Read from MIFARE USB Reader** and click **Capture**.



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