MD-08B

Programming Interface for Smartcard Readers
Installation and User Manual

1. Introduction

The Rosslare's MD-08B MIFARE® Reader Programmer is used to set the Wiegand output format of MIFARE read-only readers, while setting the input control of the reader to either buzzer or LED control.

Figure 1: MD-08B

2. Technical Specifications

Electrical Characteristics

Operating Voltage	12 VDC
Input Current	500 mA
Cable	RS-232 serial cable

Data Specifications

Reader	AY-M25, AY-W6350, AY-W6250, AY-K25, AY-H25, AY-Q6250, and AY-Q6350

Software Requirements

Programmer Application	MIFARE Reader v0.05.00

3. Connections

3.1 Connecting the MD-08B to the Computer

Connect the MD-08B to a COM port in the computer using the RS-232 cable.

3.2 Connecting the Reader to the MD-08B

Connect the reader to the MD-08B according to the following wiring:

- Red to +12V
- Black to (-)
- Green to D0
- White to D1

> **Note**
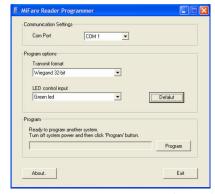> If the reader comes with a Molex connector, connect it to JP4.

4. Software Application

4.1 Starting the Software

1. Connect the reader to the MD-08B.
2. Run the MIFARE Reader Programmer application.

   The *Mifare Reader Programmer* window opens (Figure 2):

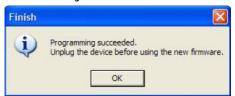   **Figure 2: The Mifare Reader Programmer**

3. In Communication Settings, set **Com Port** to the port that the MD-08B is connected to.

4.2 Setting Rosslare Mifare® Reader's Transmission Format and LED Control Input

1. In Program options, set the parameters that you want to change in the reader. For example, you can set **Transmit format** to Wiegand 32-bit, and **LED control input** to Green LED.
2. Disconnect the MD-08B from the power.
3. Click the **Program** button to set the reader.
4. Reconnect the MD-08B to the power by connecting the Power plug.

   If the programming was successful, the *Finish* window opens (Figure 3).

   Figure 3: Finish Window

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Limited Warranty

The full ROSSLARE Limited Warranty Statement is available in the Quick Links section on the ROSSLARE website at www.rosslaresecurity.com.

Rosslare considers any use of this product as agreement to the Warranty Terms even if you do not review them.

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