



QUICK START GUIDE

PRTXXEM/MF (firmware version x.34.xx or newer)

Configuration of PRTxxEM/MF series reader for autonomous operation

In case of reader without keypad:

Prepare two **EM 125 kHz** standard cards with any number for **PRTxxEM** reader and two **Mifare** standard cards with any number for **PRTxxMF** reader to be used in further programming.

The first step in configuration of reader is selection of operating mode.

1. Procedure for programming operating mode (code 030) as well as Master and Installer users

- 1.1. Remove all connections from CLK, IN1 and RTS lines.
- 1.2. Connect CLK (green wire) with IN1 (yellow wire).
- 1.3. Restart the reader (switch power supply off and on).
- 1.4. When LED OPEN (green) blinks, disconnect CLK and IN1 lines.
- 1.5. When LED SYSTEM (orange) blinks enter three digits corresponding to the code of required operating mode. Each digit corresponds to the number of card readings:
 - read the card 10 times and wait for double beep or press **0** (the first digit) ,
 - read the card 3 times and wait for double beep or press **3** (the second digit) ,
 - read the card 10 times and wait for double beep or press **0** (the third digit).
- 1.6. Enter PIN and then press **#** in order to assign PIN to Master user. In case of readers without keypad this step is omitted.
- 1.7. Read the same card once again in order to assign the card to Master user or skip by pressing **#**.
- 1.8. Enter PIN and then press **#** in order to assign PIN to Installer user. In case of readers without keypad this step is omitted.
- 1.9. Read the second card in order to assign the card to Installer user or skip by pressing **#**.
- 1.10. Procedure is finished and the reader restarts automatically with new settings.

2. Programming of users

User programming mode can be started by means of Master user card or PIN and such mode is dedicated to management of reader users.

- 2.1. Enter Master user PIN and press **#** or read Master user card*.
- 2.2.1. In order to add Normal user with PIN:
 - Press **1** and **1** again, then enter PIN and press **#** in order to use command [11] Add Normal user with PIN.
- 2.2.2. In order to add Normal user(s) with card(s):
 - Press **1** and **2**, then read card(s) and press **#** in order to use command [12] Add Normal users with cards.

In case of reader without keypad, read Master user card once, wait for double beep and read Master user card twice and again wait for double beep (this way, command [12] Add Normal users with cards is activated). Read cards for all users and then wait approx. 20 sec., then the reader returns to programming mode with no command selected. In order to cancel programming mode, press **#** or read Master user card 12 times. Otherwise the reader shall automatically cancel programming mode after 120 sec. timeout.

* When programming mode is activated then LED OPEN (green) and LED STATUS (red) are on.

Technical support is available in weekdays:

- from **8:00** am to **4:00** pm at PSTN number **+48 55 267 01 26**
- from **4:00** pm to **8:00** pm at GSM number **+48 664 294 087**













Configuration of PRTxxEM/MF series reader as Wiegand 26 bit terminal*

In case of reader without keypad prepare **EM 125 kHz** standard card with any number for **PRTxxEM** reader and **Mifare** standard card with any number for **PRTxxMF** reader to be used in further programming.

- 1.1. Remove all connections from CLK, IN1 and RTS lines.
- 1.2. Connect CLK (green wire) with IN1 (yellow wire).
- 1.3. Restart the reader (switch power supply off and on).
- 1.4. When LED OPEN (green) blinks, disconnect CLK and IN1 lines.
- 1.5. When LED SYSTEM (orange) blinks enter three digits corresponding to the code of required operating mode. Each digit corresponds to the number of card readings:
 - read the card 1 time and wait for double beep or press **1** (the first digit),
 - read the card 10 times and wait for double beep or press **0** (the second digit),
 - read the card 10 times and wait for double beep or press **0** (the third digit).

If no actions are performed within 9 sec. then the reader shall automatically finish configuration procedure with following settings for input lines: IN1 enables control of LED SYSTEM and IN1 enables control of LED OPEN. Detailed description of possible input functions is available in the reader manual.

- 1.6. Procedure is finished and the reader restarts automatically with new settings.

PRXXEM/MF SERIES READER WIRES:		
Green		CLK
Brown		DTA
Yellow		IN1
Blue		IN2
Gray and pink		Relay NC
Red and blue		Relay COM
Pink		Relay NO
Violet		RTS
Red		+12V
Black		GND
Gray		TAMPER
White		TAMPER

* PIN codes from 1 to 10 digit transmitted as BCD code.