



# IMPROX MDE

## ImproX (MDE) Multi-discipline Enrollment Reader INSTALLATION MANUAL

### SPECIFICATIONS

<b>Working Environment</b> .....	The Registration Reader is designed to work in an indoor environment similar to IP40. The Registration Reader is, therefore, NOT sealed against water.	
<b>Scanner Operation</b> .....	125 kHz and 13.56 MHz.	
<b>Input Voltage</b> .....	5 V DC Supplied from the USB Port.	
<b>Power Requirements</b>	<b>Current (mA)</b>	<b>Power (W)</b>
Maximum Current Drawn from the USB Port .....	200	1.0
<b>Buzzer</b>		
Volume and Tone.....	Four volume, single tone (Software dependent).	
<b>Status Indicators</b>		
Status LED.....	Single, bi-coloured Red or Green.	

### INSTALLATION INFORMATION

#### Accessories

Find the following when unpacking the Registration Reader:

- An ImproX (MDE) Multi-discipline Enrollment Reader housed in a Natural, Anodised, Aluminium extruded Cabinet. The ImproX MDE consists of a Front Cover, a Base Frame and two Side Plates. This Registration Reader is terminated with a 1.8 m (5.90 ft) standard USB Cable with a Type A Connector at one end.
- An extra Fixed Address Label.

#### General

Remember the following when installing the Enrollment Reader:

#### Communications Distance

- DO NOT extend the supplied USB Cable.

- The USB communications distance between the Host PC and the Enrollment Reader MUST NOT exceed 1.8 m (5.90 ft).

## Distance between Enrollment Readers from the SAME Host PC

To avoid mutual interference place the Enrollment Readers no closer than 500 mm (20 in) apart.

## CONNECTING THE ENROLLMENT READER

**NOTE:** *It is not necessary to attach the ImproX MDE to a building; therefore no mounting information appears in this Installation Manual.*

1. Using the USB Cable (Type A Connector) supplied, connect the Enrollment Reader to one of the Host PC's unused USB Ports.
2. On first time connection of the ImproX MDE, the PC prompts for installation of the necessary Drivers (stored on the IXP220 or ImproNet Software CD).

**NOTE:** *Further connections on the same PC will not call for reloading the Drivers.*

3. Place the Enrollment Reader in a convenient location near the Host PC.



**Figure 1: ImproX MDE (with USB Cable and Type A Connector)**

## Power-on Self-test

The Power-on Self-test tests the RAM, Flash Checksums and the Read/Write Circuitry. If any parameter in the Self-test fails, the Enrollment Reader emits a continuous beep for 2 seconds.

When the Enrollment Reader passes the Self-test, it emits two short beeps, each 200 ms in duration, separated by a 200 ms inter-beep pause.

## Fixed Address Label

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Keep the Fixed Address Label in a safe place, as you may need the Label at a later date if you wish to upgrade your Software.

## GUARANTEE OR WARRANTY

This product conforms to our Guarantee or Warranty details placed on our Web Site, to read further please go to [www.impro.net](http://www.impro.net).

## USER NOTES

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This manual is applicable to the ImproX (MDE) Multi-discipline Enrollment Reader,  
MDE900-5-0-GB-04.  
(The last two digits of the Impro stock code indicate the issue status of the product).

MDE300-0-0-GB-02

Issue 03

Jul 2011

ImproX MDE\English Manuals\LATEST  
ISSUE\ImprXMDE-in-sm-en-03.docx