



Precise Sense™ reader series

# User Reference Guide



## INDEX

### 1. Introduction

### 2. Installation

- 2.1 Installation information
- 2.2 System requirements
- 2.3 How to install

### 3. Maintenance

### 4. Using Precise Sense™

- 4.1 Enhancing image quality
- 4.2 Correct finger placement

### 5. Product warranty

### 6. Electromagnetic compatibility

### 7. General information

## 1. Introduction

The Precise Sense™ series readers:

- Precise Sense™ MC
- Precise Sense™ MC-S
- Precise Sense™ CL
- Precise Sense™ CL-S
- Precise Sense™ X
- Precise Sense™ X-S

These readers require the correct drivers to be installed on the computer to work.

See the “How to install” section for more information.

## 2.1 Installation information

The Precise Sense™ series readers requires drivers to be installed on the computer to work.

The Precise Sense™ series driver packages are available for free download from Precise Biometrics’ Web site.

The Precise Sense™ series drivers are also downloadable from Windows Update services and may also be bundled with an application that uses the Precise Sense™ series reader.

## 2.2 System requirements

- Windows XP, Windows Vista 32/64, Windows 7 32/64, MAC OS X 10.6, Linux (Ubuntu 10.10 32)
  - Minimum 300 MHz Pentium processor
  - USB port
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## 2.3 How to install

### 1. Install the Precise Sense™ series drivers.

Run the setup file in the Precise Sense™ series drivers package or follow installation instructions in the application that bundles the Precise Sense™ series drivers.

### 2. Connect the reader

Connect the Precise Sense™ reader to the USB port on the computer and the reader is ready to be used.

## 3. Maintenance

- Protect the Precise Sense™ series reader from any kind of physical damage.
  - Ensure that you are electrostatically discharged before putting the finger on the sensor. High electrostatic discharges might damage the fingerprint sensor.
  - Keep the sensor surface clean or there is an increased risk that the fingerprint can't be successfully matched.
  - If necessary, clean the sensor surface with a clean cotton cloth. You can dampen the cloth slightly with a cleaner.
  - Do not use paper tissues for cleaning purposes as they may scratch the surface.
  - Do not spray cleaner directly onto the fingerprint reader.
  - Do NOT use chlorine-based cleaners, non-chlorine bleach, or chlorine-based bathroom or mildew cleaners.
  - Do NOT use any solvents, such as acetone, paint thinners, turpentine etc.
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## 4.1 Enhancing image quality

### If your finger is very dry:

- Try to press more firmly
- Breathe on your finger

### If your finger is very damp:

- Try to press less firmly
- Wipe your finger dry

### More tips

- If you have enrolled already - try placing your finger the way you did during enrollment.
- See the "Maintenance" section to learn how to keep the sensor surface clean
- If your fingerprint is still not recognized, please consider re-enrollment to get a better reference image.

## 4.2 Correct finger placement

Correct and consistent finger placement is crucial for good biometric performance.



Make sure that the depicted area is captured



Make sure that the center of your fingerprint is captured

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## Finger placement for swipe sensors

*Precise Sense™ MC-S, Precise Sense™ CL-S, Precise Sense™ X-S*



Swipe your finger flat on the sensor with constant speed. Follow the guiding rail.



Do not use your fingertip or lift your finger while swiping



Do not rotate your finger when swiping

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## Finger placement for touch sensors

*Precise Sense™ MC, Precise Sense™ CL, Precise Sense™ X*



Place finger flat on sensor. Make sure that your cuticle is in level with the centre of the sensor



Avoid skewed or misaligned finger placement



Make sure your finger is placed straight, not rotated

## 5. Product warranty

Please be informed that this Precise Sense™ series reader is covered by a limited product warranty pursuant to which this Precise Sense™ series reader will be free from defects in design, materials and workmanship for a period of twelve (12) months from the time of delivery from Precise Biometrics to the Precise Biometrics partner from which you purchased this Precise Sense™ series reader (the "Partner"). In case of a defect covered by the warranty, the defective unit shall be returned to the Partner, who will procure that the defective unit is repaired or replaced.

THE ABOVE PARAGRAPH IS AN EXTRACT OF THE STANDARD PRECISE BIOMETRICS LIMITED PRODUCT WARRANTY, AND SHALL NOT BE CONSIDERED OR CONSTRUED AS AN INDEPENDENT WARRANTY STATEMENT. FOR THE COMPLETE WARRANTY CONDITIONS, WARRANTY LIMITATIONS, CUSTOMER RESPONSIBILITIES AND OTHER TERMS AND CONDITIONS, PLEASE CONTACT THE PARTNER.

## 6. Electromagnetic compatibility

Electromagnetic compatibility (EMC) is the ability of electronic equipment to function properly together in the electronic environment.

### **CE Notice (Europe)**

The Precise Sense™ series readers; Precise Sense™ MC, Precise Sense™ MC-S, Precise Sense™ X and Precise Sense™ X-S, meet the following technical standards:

- EN 55022:2006 - A1
- EN 55024:1998 - A1+A2

### **FCC Information (USA)**

The Precise Sense™ series readers have been certified to the Class B digital device requirements as specified in the FCC rules and regulations (CFR47 Part 15 Subpart B).

The Precise Sense™ series readers complies with Part 15 of the FCC Rules. Operation is subject to the following two

conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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## 7. General information

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