



USER MANUAL

PURECOM v1.0 **Monitoring base unit**



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1 Introduction

1.1 About this Guide

This User Guide contains important information for **installers and users** of the PRF-PURECOM10 product and all of its series. PureCom is a monitoring base unit especially designed for electronic monitoring.

This guide introduces the PRF-PURECOM10 and provides instructions on how to install, configure, operate, and troubleshoot the device. Each section has both written and graphically explanations to provide the technical information necessary to be successful at using, installing, and configuring the PRF-PURECOM10 device.

1.2 Important Information

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1.3 Safety Precautions

!

The equipment contains communication devices. Any changes or modifications made to the equipment without the written consent of SuperCom Inc. or SuperCom Ltd., or Vuance Ltd., and its resellers or distributors, can nullify the user's authority to operate this equipment.

The user assumes all risks associated with the use and handling of the equipment, and specifically acknowledges that SuperCom Inc. & SuperCom Ltd. & Vuance Ltd., and its resellers or distributors, will not be liable for any damages of any kind, including personal injury or property damages resulting from use of the equipment.

!

Carefully read the safety information contained in this section, and throughout this user guide, before installing, operating, or performing any maintenance task on the equipment.

!

Operations not performed as per the instructions in this user guide are done at the user's own risk and liability.

!

Only trained, authorized personnel should install, maintain and repair the equipment.

!

Unit shall be powered by a certified Limited Power Source supply adapter only (marked "L.P.S")

!

Caution! Risk of explosion if the rechargeable battery is replaced by an incorrect type. Replace only with the same type and manufacturer. Disposal of used batteries in accordance with the manufacturer instructions

Once you have thoroughly reviewed this user guide, if you have any questions, please contact your reseller.

1.4 FCC Warnings

The FCC Wants You to Know

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:

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

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

To comply with FCC Section 1.310 for human exposure to radio frequency electromagnetic fields, implement the following instruction:

A distance of at least 20 cm between the equipment and all persons should be maintained during the operation of the equipment.

2 Technical Specifications

2.1 Interfaces and MMIs

2.1.1 RF

- 2 x RF 433MHz ASK\FSK Receiver module
- 1 x LF 125KHz OOK Transmitter module
- 1 x RF Wi-Fi / Bluetooth module
- 1 x RF Cellular module

2.1.2 Interfaces & Connectors

- Ethernet socket (RJ-45)
- Modem socket (RJ-11)
- Audio jacket (3.5")
- Power adapter socket (DC 2.5mm)

2.1.3 Tamperers & Sensors

- Multiple tamperers (electronic, mechanic and optic)

2.1.4 MMI

- 3 Push Buttons
- Indication LED
- Finger-Print Reader
- Touch Screen (LCD)
- Internal Speaker
- Internal Microphone

2.1.5 Operational temperature:

- 20°C to +60°C (battery discharge mode), -20°C to +40°C (battery charge mode)

2.2 Power Requirements

- 5VDC, 4A.

3 Unit Installation

The installation consists in a series of screens to navigate through till the screen displays the confirmation that the installation has finished successfully, meaning the monitoring has actually started.

The stand-alone installation is performed with the equipment in the location where the offender is monitored.

Intuitive 3-stage installer menu:

- PMD pairing & verification
- Biometric enrollment
- RF Range calibration

Before starting the installation the officer has to access the installation menu.

It can be done through a passcode or fingerprint if the officer is enrolled in the system.

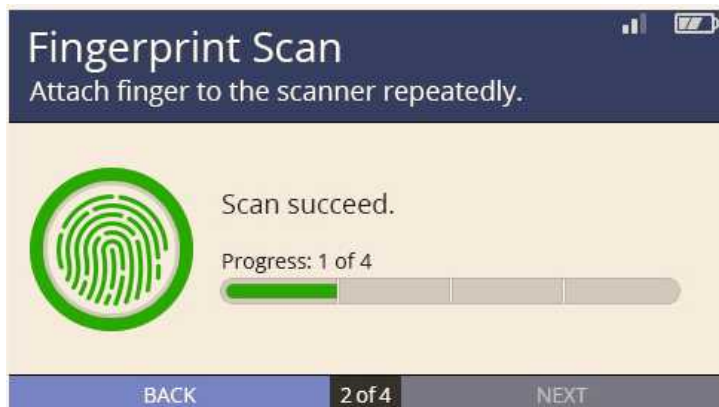
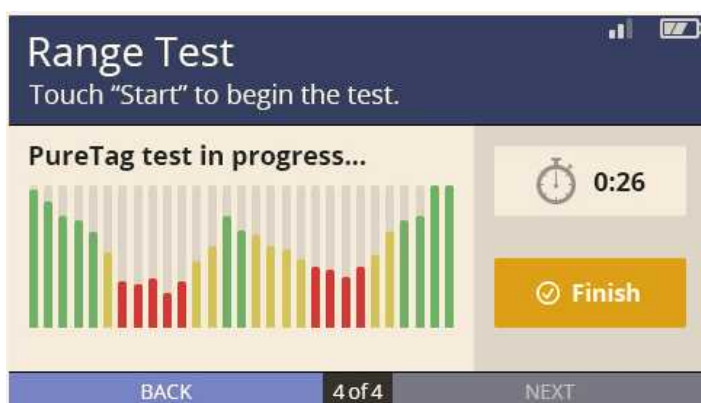


Step 1: Offender Details – displays the offender's details already downloaded from the server (Monitoring application) to confirm everything is accurate

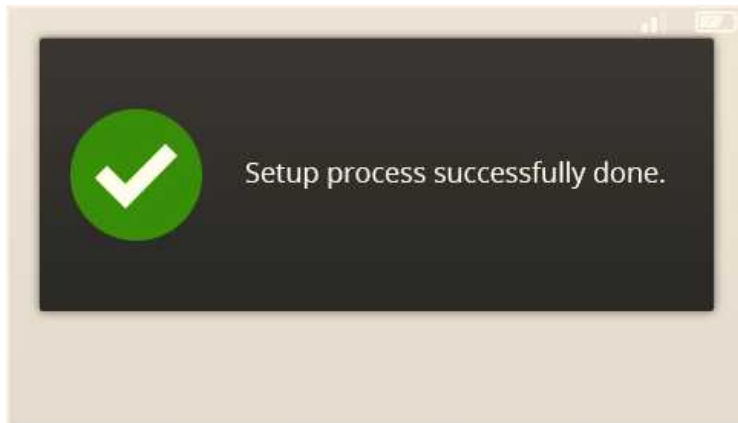


Step 2: Fingerprint Enrollment – enrolls the offender's fingerprint

Whenever fingerprint verification is part of the surveillance program the offender has to enroll. If it is not part of the surveillance program this step is skipped.

**Step 3: Tag Status** – Verifies the tag is locked on the offender's leg and no tampers are open (battery, case, etc.)**Step 4: Range Test** – The range can be set from the monitoring software to existing default values (short, medium, long) or performed from the stationary unit by asking the offender to walk around the perimeter of the house and verifying the unit receive the signal correctly from every corner of the offender house.

Each step of the installation must be completed successfully before continuing to the next step. When all the installation is successful the screen displays a message confirming the installation process is finished and the monitoring can now start.



NOTE:

Unit shall be powered by a certified Limited Power Source supply adapter only (marked "L.P.S").

4 Configuration

The unit configuration is done remotely by the monitoring application (control center) via secured internet connection.

5 Appendix A: Model Name and Variants

Model Name: **PRF-PURECOM10**

PureCom v1.0 variants:

The list below describe the combination that can be for any PRF-PURECOM10,
For PRF-PURECOM10XX series

- **PRF-PURECOM10A** - PureCom v1.0 without analog modem and without fingerprint reader.
- **PRF-PURECOM10F** - PureCom v1.0 with fingerprint reader.
- **PRF-PURECOM10M** - PureCom v1.0 with analog modem.
- **PRF-PURECOM10MF** - PureCom v1.0 with analog modem and fingerprint reader.