

PINKEY® TOUCH USER MANUAL



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Introduction

PinKey® Touch is a compact light-weight handheld device built for security, access control and micropayment purposes. It features a fingerprint sensor for fingerprint reading, NFC hardware with read/write capabilities and a 2.8" touch screen for intuitive interaction and ease of use.



PinKey® Touch overview

To turn on or off the **pinKey® Touch** press and hold the power button at the top of the device until you hear a confirmation beep (see Fig.1). When an application prompts you to authenticate yourself by means of your fingerprint, swipe your finger (from the last joint to the tip) in a straight motion on the fingerprint sensor located below the **pinKey® Touch** screen (see Fig.1).



Fig. 1 The pinKey® Touch device.

Fundamental application interaction





To launch an application, click the corresponding icon on the **pinKey® Touch** desktop. To close the application, select the close button  always visible on the right of the title bar. The application interaction experience may vary depending on the user interface implemented by the developers, although the user should always be allowed to return to the previous screen by pressing the back button  on the left side of the title bar (see Fig.2).



Fig. 2 An example of a pinKey® Touch application user interface.

First boot wizard

The first time you turn on your **pinKey® Touch**, you will be prompted to register at least one fingerprint. Follow the steps of the wizard to successfully complete the registration. Please refer from Fig.3 to Fig.8. During the wizard you will be asked to set the time and date of the device; for later adjustments, use the *Date Time* application  in the *System* category .

WARNING: please notice that this **Tech Preview** of **ODIN OS™** does not implement the *plausible deniability* feature yet, thus, when asked for its activation, select *Skip*. Pressing *Continue* will ask for a new fingerprint enrollment, but will not result in any actual activation of the *plausible deniability* option.

During the regular use of the device, when asked by an application, swipe the previously registered finger.

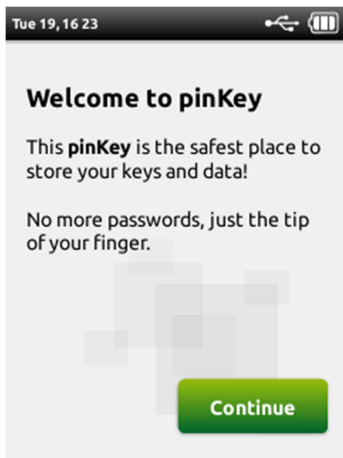


Fig. 3 At the first boot a wizard introduces you to the fingerprint registration progress.

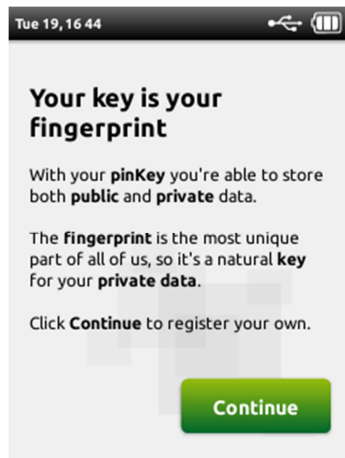


Fig. 4 After a brief introduction, you will be prompted to swipe a finger of your choice on the fingerprint sensor.

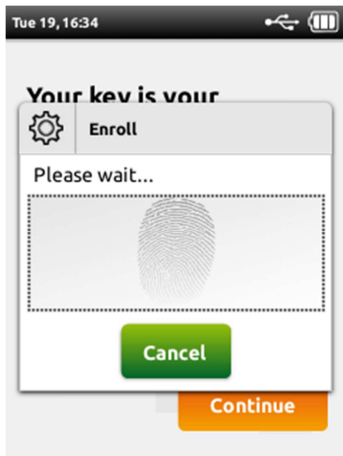


Fig. 5 You have to swipe your finger on the reader several times as prompt, after which the device accounts you into the system.



Fig. 6 Once the fingerprint has been registered on the system, the date must be set.

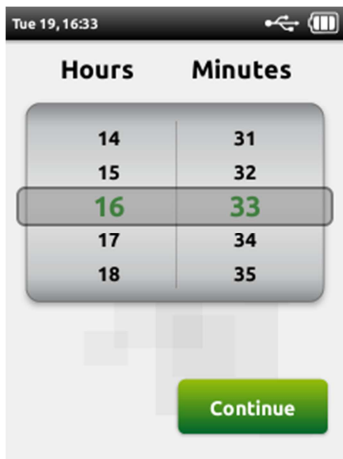


Fig. 7 After setting the date, the assistant allows you to set the time.

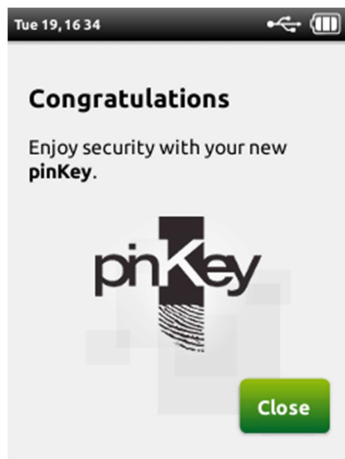




Fig. 8 Once the wizard is completed, the device is ready to use.

Add a new fingerprint

yourself, then you will be able to register a new fingerprint (see Fig.10).

To add a new fingerprint to the **pinKey®** **Touch**, go to the *System* category by selecting the  icon in the categories bar at the bottom of the desktop and launch the *Security* application  (see Fig.9). Select *Add fingerprint* from the main menu and follow the popup guide for the enrollment procedure. When asked to log in, swipe your finger on the fingerprint sensor to authenticate

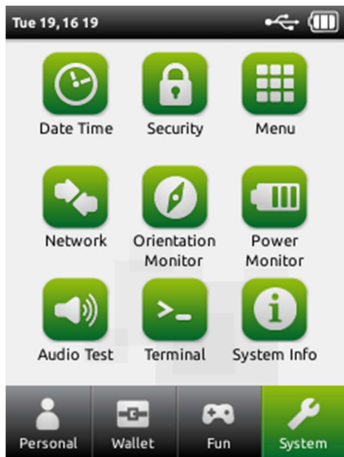


Fig. 9 The *System* category of the pinKey® Touch.

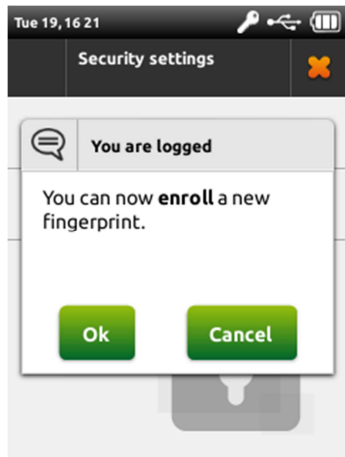





Fig. 10 The *Security* application allows you to register new fingerprints.

Read an NFC/RFID tag

In the *Wallet* category  launch the *Cards* application . Select *Read tag*: a sights image will start to blink on the screen, inviting you to *aim* at the RFID card to read (see Fig.11).

Please notice the  symbol at the top right of the status bar, indicating that the NFC hardware of the **pinKey® Touch** is on.

After an RFID target has been acquired, its UID will be read and displayed on the screen (see Fig.12).

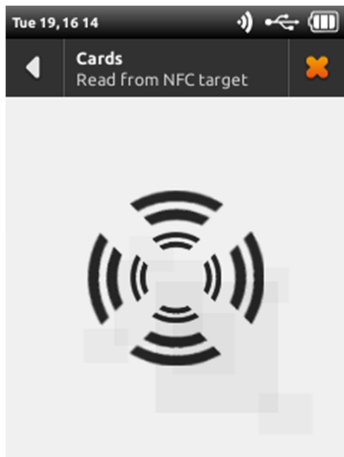





Fig. 11 The animation prompts you to touch an RFID tag.




Fig. 12 After the tag has been read, its UID will be displayed.

PC connection

To connect the **pinKey® Touch** to the PC, use the micro USB cable included in the package. To test the USB functionality of the device, launch the *Documents* application  in the *Personal* category .

Notice the USB symbol  at the top right of the status bar that indicates the actual connection with the PC (see Fig.13). Both *Public* and *Private* partitions can be accessed from inside the device,

the *Private* section of the disk requires fingerprint authentication (see Fig.14).

Selecting the USB button  on the bottom bar switches the **pinKey® Touch** to USB mass storage mode, from which the public and private partitions can be mounted on the PC (see Fig.15).

When a partition is mounted on the PC, the corresponding status indicator turns green (see Fig.16)

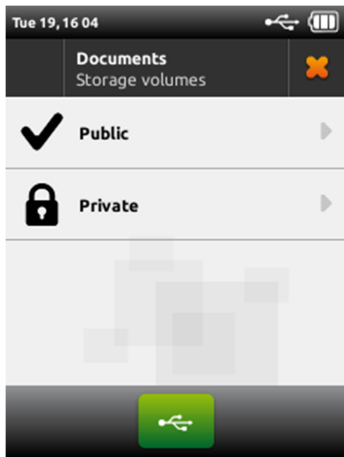


Fig. 13 The *Documents* applications lets you select between the public and the private partitions of the disk.

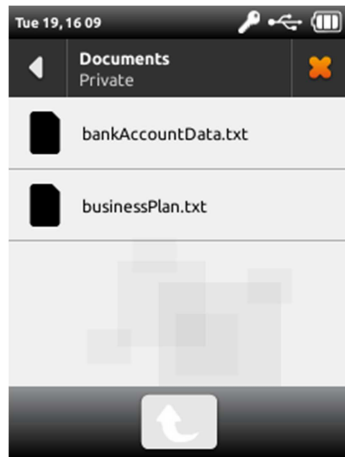


Fig. 14 The private partition allows you to store important and sensitive files.

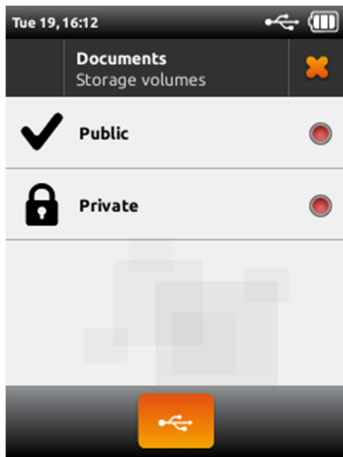


Fig. 15 Selecting the *USB* button of the bottom bar switches the pinKey® Touch to USB mass storage device.

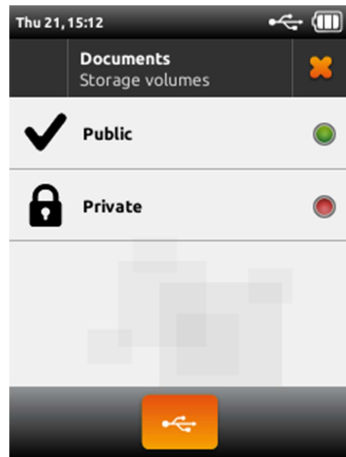




Fig. 16 When a partition is mounted as mass storage, its indicator turns green.

Network settings

Launch the *Network* application  in the *System* category  to configure the IP settings of the **pinKey® Touch**, a login is required. From the main screen of the application (see Fig.17) you can modify the default network parameters by selecting the one you want to edit, and then input a new valid value with the popup keyboard.

Pushing the *Test* button  will trigger a connectivity test toward the internet (see Fig.18).

WARNING: The connectivity test may take a while to perform completely depending on the network availability. It is recommended not to close the application while the connectivity test is in progress.





Fig. 17 The *Network* application allows you to edit the network interface parameters.



Fig. 18 By pushing the *Test* button the device will perform a test of connectivity toward the internet.

Menu settings

The *Menu* application  in the *System* category  allows you to personalize the **pinKey® Touch** categories and application launchers appearance.

After the authentication, the main screen will show the categories currently set; you may decide to add a new category or remove any of the existing ones by selecting the *Add* button  on the bottom bar or the *Remove* button  at

the left of the category name respectively (see Fig.19).

Select an item to edit the corresponding category, you will be able to change its name, icon and the contained application launchers with the same *Add/Remove* mechanism (see Fig.20).

Application launchers appearance can be also edited (see Fig.21).

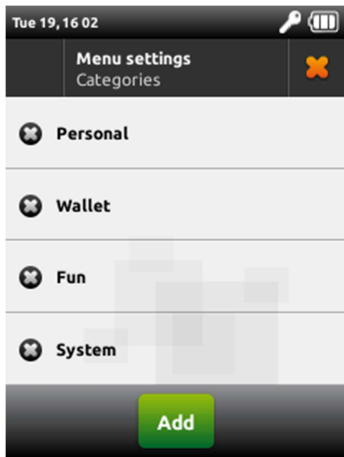


Fig. 19 The main screen of the *Menu Settings* application, allowing to add or remove a category.

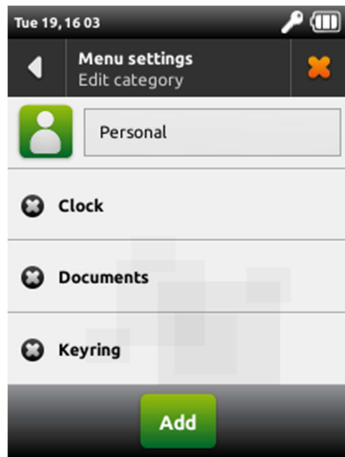


Fig. 20 The menu settings of the *Personal* category that allows basic modification of the layout of the application launchers.

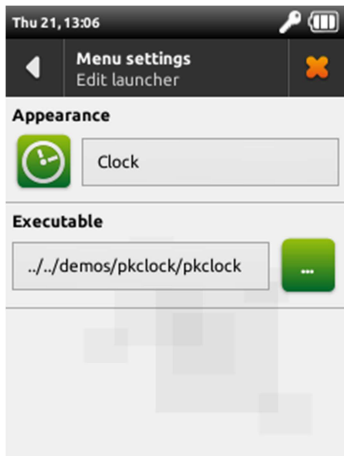


Fig. 21 From the *Menu Settings* application you can edit the application launchers.

Complete system reset

From the *Security* application  you can also remove all the fingerprints registered on the **pinKey® Touch**.

WARNING: clearing the fingerprints memory will automatically **delete all the data** saved on the device, in both public and private partitions (see Fig.22).

Once the device has been successfully reset, the setup wizard will start automatically, allowing for a new

initialization of the system (see Fig.23). See chapter *First boot wizard* for further details.

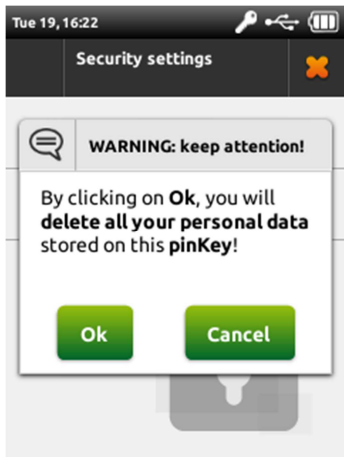


Fig. 22 The removal of all the fingerprints will force the deletion of all the data on the pinKey® Touch.

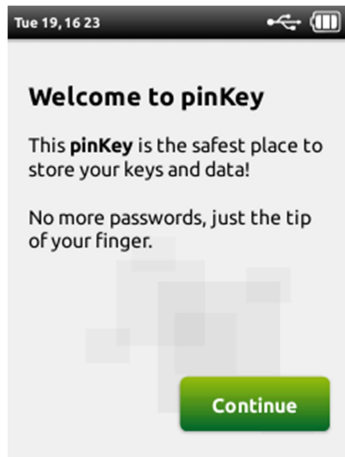


Fig. 23 After all the fingerprints have been deleted, the setup wizard will automatically start, allowing for a new initialization.

Warranty certificate

This Warranty Certificate details the terms and conditions of the Standard Warranty granted to the Consumer; such terms and conditions do not compromise – and they abide in full to – the rights granted to Consumers by Legislative Decree No. 24 dated February 02/2002, issued as the implementation of the European Parliament Directive 1999/44/CE and Legislative Decree No. 206 dated September 2005.

Terms and Conditions of Validity

In case of lack of conformity at the time of equipment delivery attributable to faults or omissions of the manufacturer, Card Tech warrants its products, under the terms and conditions of this warranty, and according to the aforementioned regulations, for a period of 24 months (12 months for entities with a VAT number and that have purchased the goods for professional purposes)

starting from the delivery date of the goods and certified by an official and fiscally valid document. Consumers lose their rights under this warranty if the lack of conformity is not notified to the seller within two months from the date on which the defect was discovered.

In order to activate the warranty, it is necessary to keep the warranty certificate along with a fiscally valid delivery document (transportation document, invoice, receipt, other) stating the name of the seller, delivery date, product identification and sale price; in case of a claim, both documents must be submitted.

In order to make this Standard Warranty valid in full, it is necessary that:

- the equipment is used in careful compliance with the instructions detailed in the Instruction Manual supplied with the equipment;
- any repair is performed by the Manufacturer and spare parts used are exclusively original spare

parts, the same goes for any accessory which use may affect the performance of the product.

Warranty Purpose

If, during the warranty period, it is established and acknowledged that there is a lack of conformity on the goods caused by faults or omissions of the manufacturer, Consumers shall be entitled to the recovery of conformity of the goods, at no charge if suitable conditions apply, by repair or replacement, unless the remedy requested is impossible or unreasonably expensive and without prejudice to other provisions in favor of Consumers, established by the aforementioned regulations. It is understood that, unless proven otherwise, lack of conformity that occurs within six months from delivery of the goods is assumed to be already existing on such date, unless this assumption is incompatible with the nature of the goods or the nature of the lack of conformity. For the subsequent period of validity of

the warranty, it is the obligation of the consumer wishing to take advantage of the remedies granted by the warranty, to prove the lack of conformity of the goods from the date of delivery; thus, if the consumer is unable to provide such evidence, the expected warranty conditions would not apply. Any repair or replacement will not extend beyond the original warranty period, which always starts from the delivery date.

Territorial Extension

This warranty certificate is valid only if the defect is found on a product purchased within Italy, including the Republic of San Marino, Vatican City and in all the states of the EU.

Consumers can contact Card Tech directly by dialing +390240047473 or visit the website www.card-tech.it. For buyers of Card Tech products residing in other countries, the warranty will be

regulated according to conditions in force in the individual countries.

Exclusion clauses

This warranty does not apply to all the components showing lack of conformity caused by wear and tear, negligence, carelessness of use and poor maintenance by the consumer due to failure to respect the instructions and recommendations included in the product Instruction Manual, and in any case it does not apply in all the circumstances that are not attributable to faults or omissions of the manufacturer.

All the accessories are covered by warranty only if manufacturing defects are proven.

If at the request of the Consumer, Card Tech performs a technical assistance in relation to the above, all costs of the technical intervention as well as any spare parts will be paid by the Consumer.

Limitation of Manufacturer's Liability

Card Tech is not responsible for any damages that may be caused directly or indirectly to people or properties for failure to comply with all the requirements specified in the Instruction Manual. Once the warranty is expired, the cost of any repairs will be paid by the Consumer.

Court of Jurisdiction

The Court of Udine (UD), Italy, shall have jurisdiction in case of any dispute.

Notes

This manual refers to the *0.9.8 Tech Preview* version of **ODIN OS™**. Any subsequent release of the operative system may vary in contents and functionality.

Check the version of the operative system of your **pinKey® Touch** by running the *System Info* application in the *System* category.

REPAIR REQUEST FORM

Fill in this document in all of its parts and attach it to the product in need of assistance.
Always include a copy of a valid proof of purchase.

Defect report:

Model:

Serial number:

The repaired/replaced product will be shipped to the following address:

Surname:

Name:

Street:

N°:

Tel:

ZIP:

City:

Country:

VAT number/SSN:

Date:

Sign:

Dear Customer, Please note that Card Tech srl, pursuant to Legislative Decree No. 196/2003, will process the data you provide in accordance with the regulations related to the treatment of personal data. Data contribution is optional, although any omission may result into the inability to fulfill the obligations related to the repair service (article 13, paragraph 1, letter C, Legislative Decree No. 196 dated 2003). All personal data you provide will be collected and processed with the help of electronic instruments also, directly and/or through appointed third parties (repair and delivery companies).

In any case, your data will not be disclosed (with the exception of repair and delivery companies), or sold to third parties. Within Card Tech srl all data can be acquired solely by those people specifically appointed for that purpose and operating at the Information Systems, Administration, Accounting, and Customer Service Departments.

Under the Article 7 of the Legislative Decree No. 196/2003 you have the right, at any time, to obtain from the person in charge of the processing of the information related to your personal data, its methods of collection, purpose of collection and logic applied to it. The manager of the process is the legal representative of Card Tech srl, located in via Croazia 14, 33100 Udine (UD), Italy, www.card-tech.it.





card tech s.r.l. via croazia 14_33100_udine_italy www.card-tech.it info@card-tech.it

