# Front

255.0

76.0

ingenico
Mobile
solutions

## RP457 Mobile Card Reader

This card reader supports magnetic stripe, chip as well as contactless transactions. The reader works with select ROAM supported mobile devices. The reader also works when connected to a PC via USB cable (PC communication application under development). An additional layer of encryption is added to the reader to guarantee the card data is protected as it travels from the reader to the mobile device/PC. Therefore, the readers cannot be used for any other merchant service and must be purchased from ROAM.

**ROAM Data is not liable for any harm caused by the reader to your mobile device.**

You agree that neither ROAM nor our vendors, suppliers or licensors are responsible for any damages resulting from: (a) anything done or not done by someone else; (b) providing or failing to provide Services, including, but not limited to, deficiencies or problems with a Device or network coverage (for example, dropped, blocked, interrupted calls/messages, etc.); (c) traffic or other accidents, or any health-related claims relating to our Device or Services; (d) Data Content or information accessed while using our Device or Services; (e) an interruption or failure in accessing or attempting to access emergency services from a Device, including through 911, Enhanced 911 or otherwise; (f) interrupted, failed, or inaccurate location information services, (g) information or communication that is blocked by a spam filter, or (h) things beyond our control, including acts of God (for example, weather-related phenomena, fire, earthquake, hurricane, etc.), riot, strike, war, terrorism or government orders or acts.



## Usage

***(a) Battery Status***

A Red LED is present next to the USB connector for battery status.

-Battery full: Red LED is on all the time

-Battery low: Red LED On and Off for 1s every 3s alternatively

-Battery very low: Red LED On and Off for 1s every 6s alternatively

-Battery out of capacity: Red LED Off (and Green LED Off)

-Battery charging: Red LED On and Off every 1sec alternatively

***(b) Reader during Swipe/Tap/Dip***

There are 4 LEDs on the top of the reader to indicate progress of a contactless transaction. In addition, there is a buzzer inside the reader to prompt Swipe/Tap/Dip.

-Reader ready: The Red LED on the side of the reader will be On.

-Reader waiting for card: The reader will generate a beep prompting user to Swipe/Tap/Dip. One LED light on top of the reader will turn on (Only for Contactless).

-Reader reading the card: 2 LED lights turn On.

-Card read successful: 3 LED lights turn On.

-Card Processing Error/Multiple Contactless Cards detected: All lights are turned off to indicate that the contactless interface is not acceptable for this transaction.

-Card Processing Error: Only fourth LED light turns On indicating conditions for use of the contactless interface have not been satisfied (ex: As an added security measure, transaction amounts over a pre-set threshold may require a card swipe or insert.).

# Back

## Pairing

a) Insert the reader into the audio jack of the phone.
b) Start the mobile application and open the pairing feature.
c) The phone screen will display the PIN received from the reader via audio jack.
In addition, the phone will display PIN received from Bluetooth module.
d) Confirm that the two Pins match. Once confirmed, the reader is paired to the phone.
e) At this point, the reader can be unplugged from the phone and used via Bluetooth.
The RP45X can only be used with a mobile application. Once a reader is connected to a phone, the pairing list is retained and can be used for connecting in the future.

## Troubleshooting

f) No light is seen when the reader is inserted in the audio jack:
• Make sure the application is running on the phone.
• Make sure that the reader is charged before using.
• Make sure the correct mobile application is running.
• Make sure the reader is securely inserted in the audio jack.
g) Make sure your speaker phone is turned off before using the reader.
h) Make sure the magstripe/contactless card/device is facing the right direction when using.
i) Make sure the correct version of the mobile application is running.
j) You can reset the reader by pressing the reset button below the USB jack.
k) If the device is tampered, the red light will blink when connected to the phone. The device will fail to open from the application. The reader will return “Open Device Failed” error.

## Repair

RP457 series cannot be repaired. Since these readers have custom keys and branding, they cannot be repaired. If the reader fails either due to battery failure, tamper, thereader will be unusable. At this point, it can be returned back to ROAM for safe disposal.

## Identification of your reader

RP457c reader has a unique serial number printed on the reader. This helps in identifying the reader. With this serial number, ROAM can identify the customer, the keys and the branding information. This is used to troubleshoot a reader. The same information, along with additional information is also printed on the unit box.

15350RP10000016
RP457c-0XT8802A
Model: RP457 (A)
Made in China
FCC ID:2ABY6-RP457

The first line indicates the device unique serial number. The second line indicates the reader model and the customer specific part number with information on revision. The third line indicates the FCC ID and the last line indicates the model number. The same information is also represented, along with software version in the QR bar code.

## Configuring the reader

The reader is configured at startup. As part of startup, the reader is configured with the right set of Application IDs and Public keys specific to the card brands and specific to a geographic region. This only happens once for each reader.
The information on the reader’s settings, firmware version are also available through software API.

Need help?
http://www.roamdata.com
Customer Care: 1.888.589.5885 + Option 2
support@roamdata.com

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device 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.

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.