User Manual

Please read the following warnings before using the product.
Shapes and colors of the images shown in this manual may differ from the actual products.

User's guidance

- This product is certified by FCC, TELEC, PCI-PTS(V3.1), EMV L1, L2(V4.3).

- This user guide is protected by copyright.

- This user guide has been created by FLIGHT SYSTEM CONSULTING Inc.We have done our best not to create typos, editing errors, and leaving out any information.

- This product's program is legally protected. Illegal copying, transmitting, or erasing of the program is prohibited.

- This product's partial functions might have problems from the environment, user program, and other machines.

- The radio equipment can't be used for life saving services because there is possibility to have radio interference and failure.

Contents

Warnings Before Using Product

Do not press power button on the device or touch the charging cable with wet hands.

Risk of electric shock

Please avoid vibration or impact on the device. When the device is not in use, unplug the USB cable and put it in a safe place where it won't drop.

Do not disassemble the product arbitrarily and remove the battery

It may cause battery explosion in case battery is disassembled from the product and stored.

Do not use your device at an explosive danger zone.

It may cause ignition, explosion

In case your device is wet, do not put your device in heaters, microwaves or etc to dry out your device.

There is a risk of explosion or it can be the cause of malfunction.

Do not use in places of high temperature and high humidity.

The following can be the causes of malfunction: getting wet from the rain, spilling drinks, and taking it in with you at the sauna (high temp). In these cases, you cannot receive your free repair service.

Do not remodel, take apart, or repair the device. Please take your device to an authorized service center.

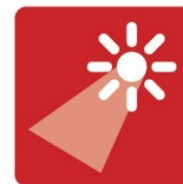If not the case, you will not be able to get your free repairs.

Please follow instructions when using the battery.

Use caution when around other electronic devices with possible high frequency or electro-magnetic effects e.g. Audio, etc.

Doing so will lead to the risk of product malfunctioning or a system error occurring.

Avoid exposing product to direct sunlight.

Do not use product in areas of high humidity. Doing so may cause low reliability and/or operational malfunction.

⚠ **WARNING**   This information is for your own safety. Please observe the following precautions.

Tips for Using Product

Quality assurance

Guarantees for our mobile payment product and its parts against defects, under proper use, for a standard period of 1 year from the original date of purchasing.
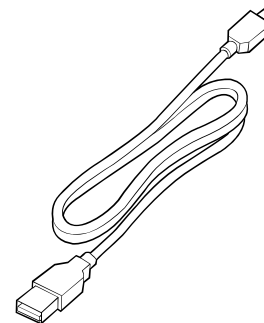
Package contents

Please make sure you have the right contents when open the package.

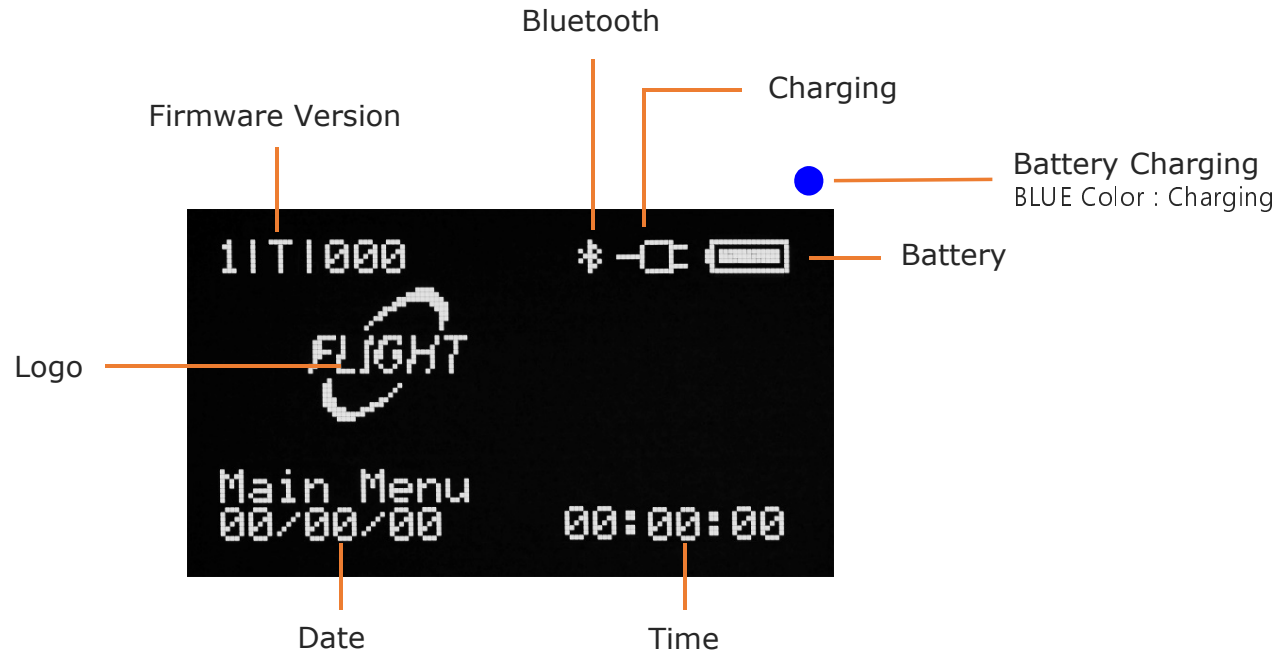| Brain	Charging CRADLE	Charging Cable

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🔋 알아두기

- The illustrations may differ from your actual items.
- If any items are missing or damaged, please contact us or your dealer for assistance.
- User manuals are available for download at http://www.incredist.com

Tips for Using Product

Overview

MSR

Contactless

Power Button

LED

IC Card

Barcode SCAN Button

LCD

RESET BUTTON

Micro USB

Power Terminal

PIN PAD

Tips for Using Product

LCD Display

Bluetooth

Charging

Firmware Version

Battery Charging
BLUE Color : Charging

1|T|000   ⁂ ⊏⊏ ▭

Battery

FLIGHT

Logo

Main Menu
00/00/00   00:00:00

Date

Time

LED
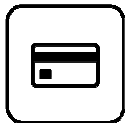
● **RED**
MSR Read Mode

● **BLUE**
EMV Read Mode

● **ORANGE**
Barcode Read mode

● **GREEN**
Contactless Mode

Using cards

Magnetic Card

Front

IC Card

RFIC or NFC Card

알아두기   •   Please make sure whether foreign substance exist before MSR & IC Card insert. It may cause product failure.
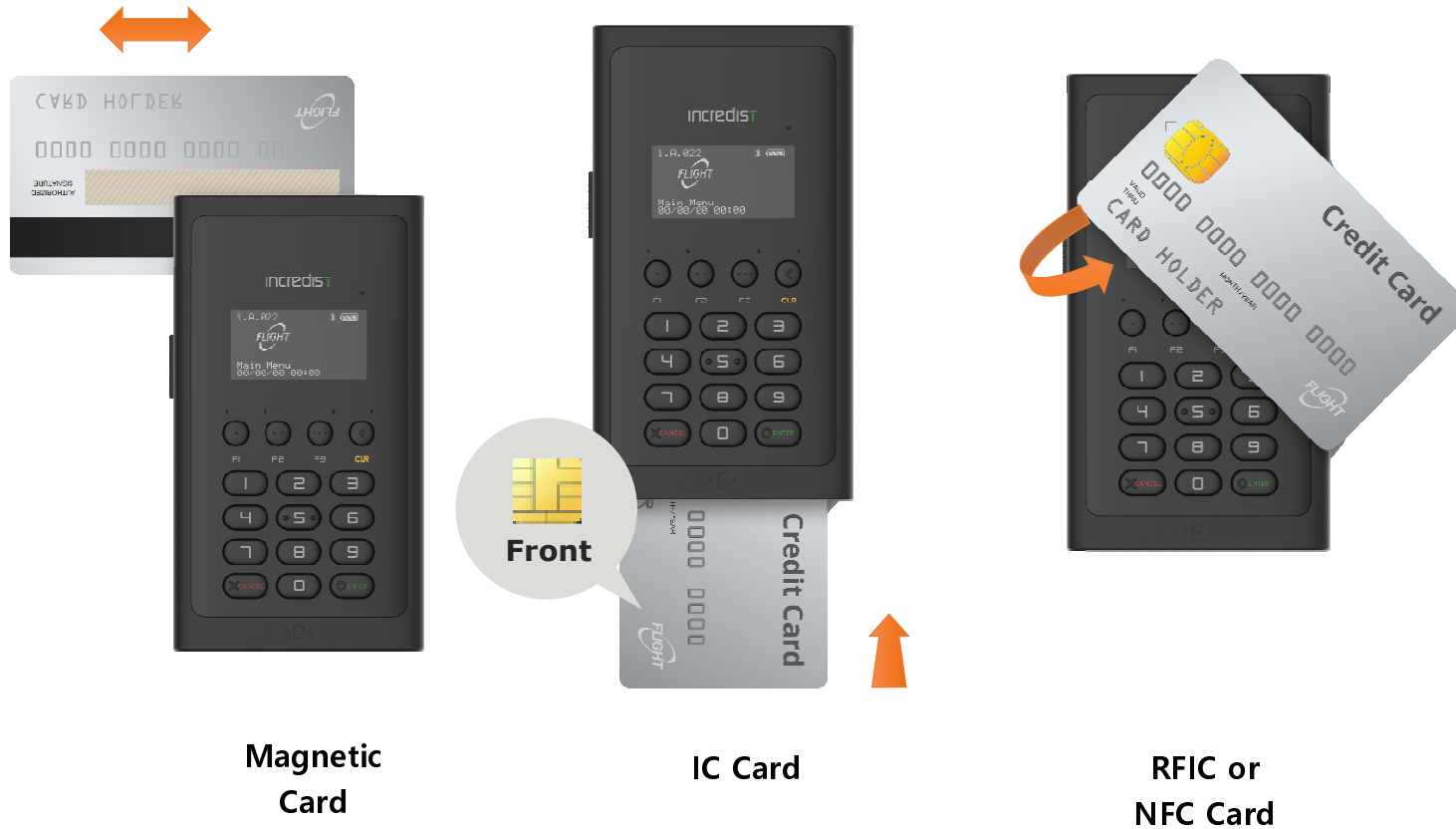
Using the barcode scanner

Laser aimer appears from the embedded barcode scanner right of top on the brain when barcode command is sent. Barcode usage procedure is as follows.

1. Beep the [SCAN] button pushed rear side of brain.

2. Move the aiming position to the center of the barcode.

3. Adjust the distance between the brain and the barcode

   For normal barcodes, position the aimer at a distance is 10~12cm.

4. Keep aiming position to the center of the barcode until you hear a beep.

※ If the barcode scanner reads the barcode, you will hear a beep.

알아두기   • **If laser aimer disappear, press barcode button on the brain. Then laser aimer will appear again.**

(it is applied Barcode mode is operating only)

How to Charge

Using Micro USB charing adaptor

Using charging CRADLE)

알아두기
- Please use 5V/500mA charger.
- Please make sure that turn off brain's power during charging

Tips for Using Product

Specification

Feature		Parameters	
MCU		Secure MCU	
Memory	Flash	1 Mbyte	
	SDRAM	256 Kbyte	
LCD Screen	Screen Size	2.3"	
	Pixel	128 X 64 DOT	
	Characters	8 Line, 16 Characters (each line)	
Card readers	Mag stripe Reader	ISO7810/7811, RAW Mode support, 3 Track encrypted Head	Bi-directional swipe
	Smart Card Reader	ISO7816, 1 Slot, on/off line support	EMV Compliant, JIS I/II
	Contactless Reader	13.56MHz, ISO/IEC 14443 A/B Type, Felica	
Socket	SAM	None	
Pin Pad	KEYS	13 Keys & 3 functional keys	
	Method	Physical	
Encryption		RSA1024, RSA2048, DES, T-DES, AES128, AES256	
Key Management		DUKPT, Fixed	
Buzzer		Yes	
LED		5ea	2xBlue, Red, Green, Orange
Barcode Reader		Zebra SE4710 2D barcode	PDF-417, microPDF-417, QR, etc.
Connectivity	Wireless communication	Bluetooth 4.0 (BLE)	
	Terminal connectivity	micro USB	USB full speed
Battery		Li-ion Battery, 3.7V, 920mAh	
Dimensions		Appox. 120(L) x 28(H) x 66(W)mm	
Weight		170g	
Power Charge		2 hour	5V/500mA
Environment		0°C / 10% ~ 50°C / 90%	
Certification		FCC, CE, PCI-PTS(V4.0), EMV L1, L2(V4.3)	

FCC Information to User

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 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

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

European Union Regulatory Notice

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the
EU Declaration of Conformity issued by Inkel corporation for this product or product family. This compliance is indicated by the following
conformity marking placed on the product.

CE 1177

The wireless telecommunications functionality of this product may be used in the following EU and EFTA countries:
Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy,
Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden,
Switzerland, and United Kingdom.