User's Manual

iSAPPOS 4/5 iPhone Jacket

iSAPPOS

Getting Ready with the Jacket

1

Package contents

System Overview
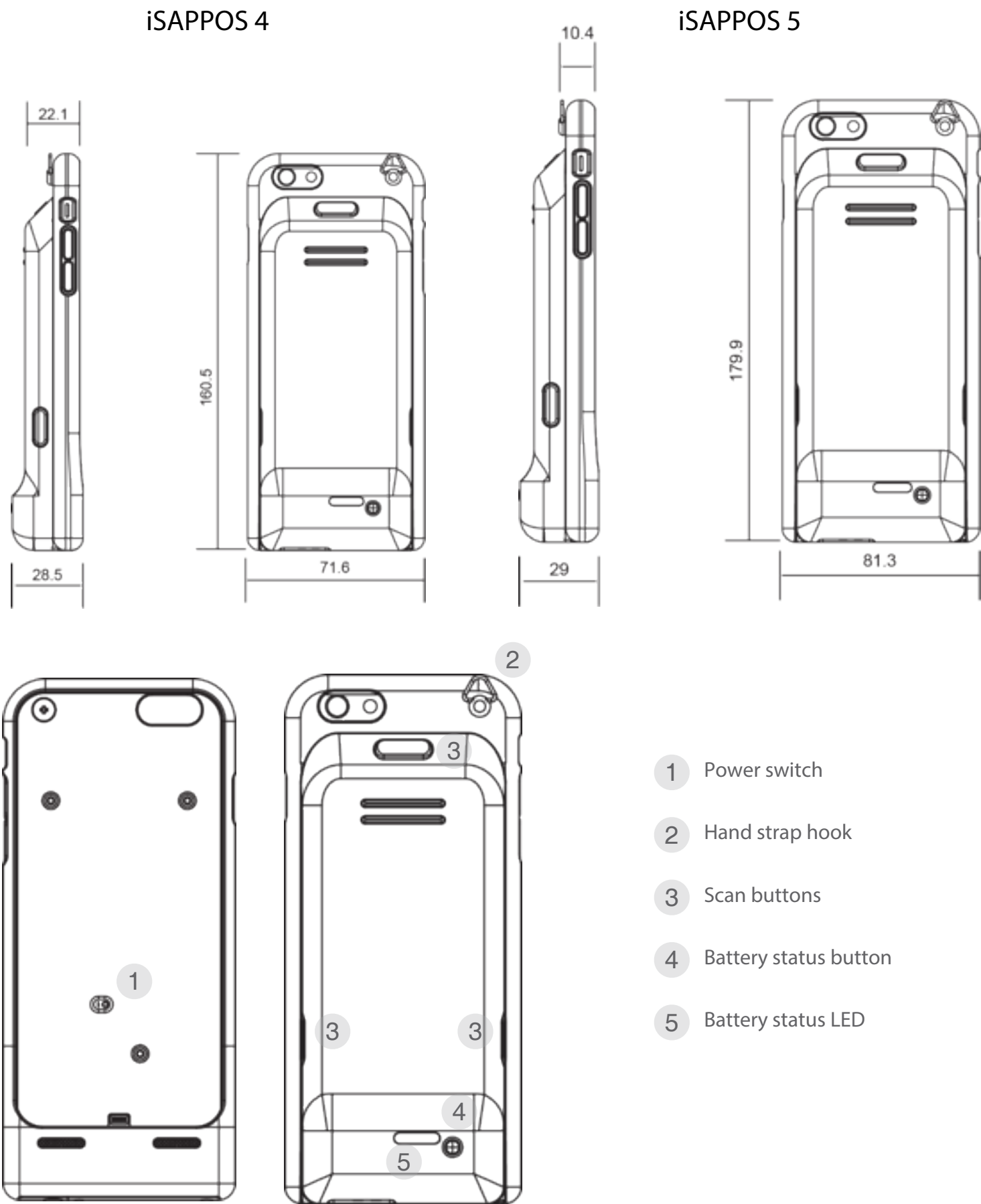
Getting started

Package Contents

- iPhone Scanner Jacket
- Micro-USB cable
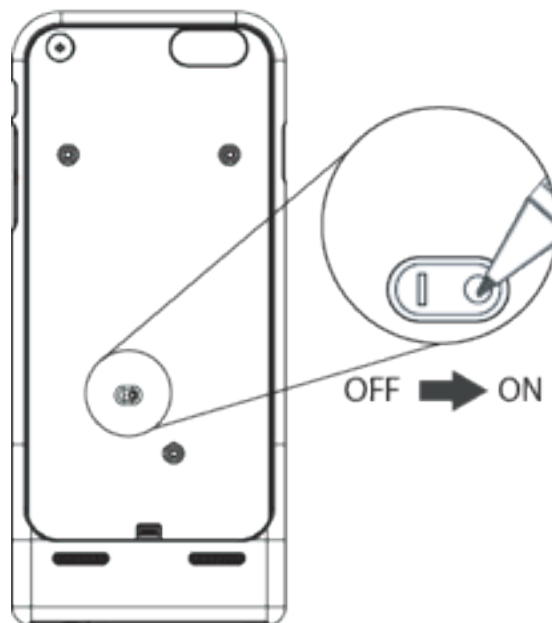- Quick user guide
- Hand strap

System Overview

Unit: mm

iSAPPOS 4

iSAPPOS 5

22.1

10.4

160.5

179.9

28.5

71.6

29

81.3

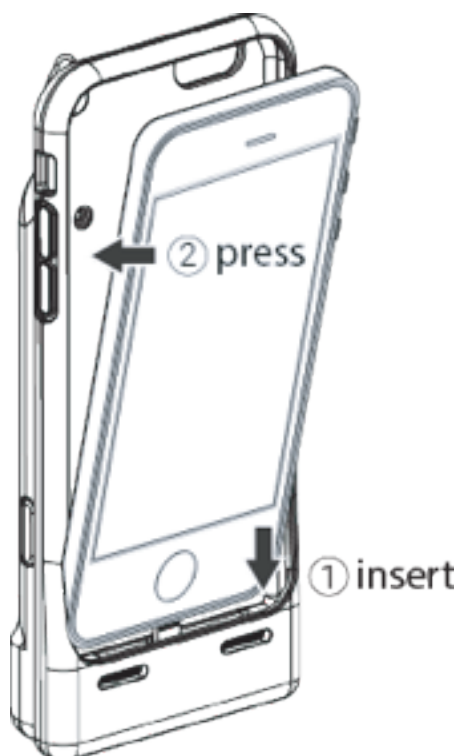|	
1	Power switch
2	Hand strap hook
3	Scan buttons
4	Battery status button
5	Battery status LED

Getting Started
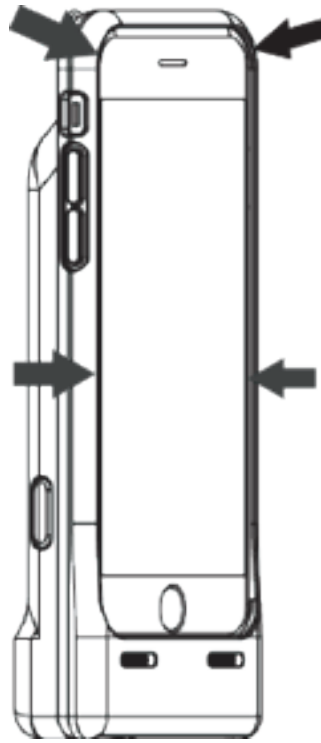
Using the jacket with an iPhone

1. Power on the device

2. Angle the iPhone as below and twist it to expand the soft edge of the jacket. Make sure to align the lightning port on the iPhone with the lightning connector on the jacket.

3. Take the unit and snap the top corners into the jacket. Double check the sides and corners to make sure everything is in place and secured.
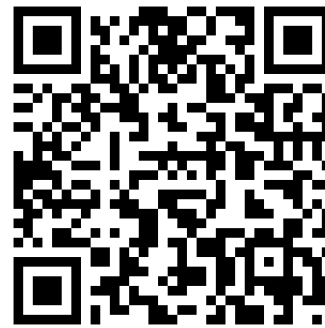

4. To remove the iPhone, bend the top corners of the jacket. Place your finger in between the jacket and the iPhone, and pull the iPhone up and out of the jacket. Be careful not to damage the lighting connector at the bottom of the jacket.
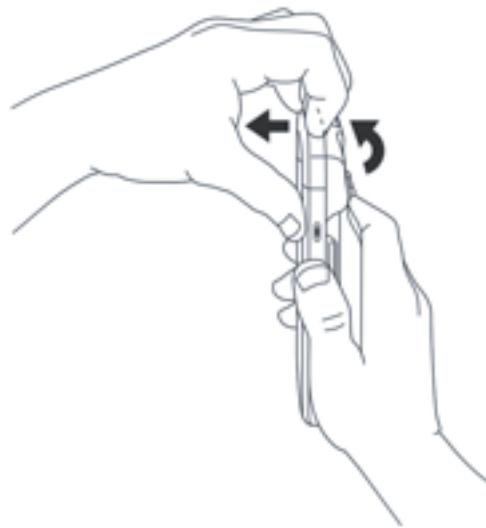
Other information

Install app

iSAPPOS SteakHouse Mobile POS

* The SteakPhone app is only an app to demonstrate the functions of the jacket. It is not suitable to be used in an actual business environment.

Documentations & Support

To obtain more information about the product, please visit pos-x.com
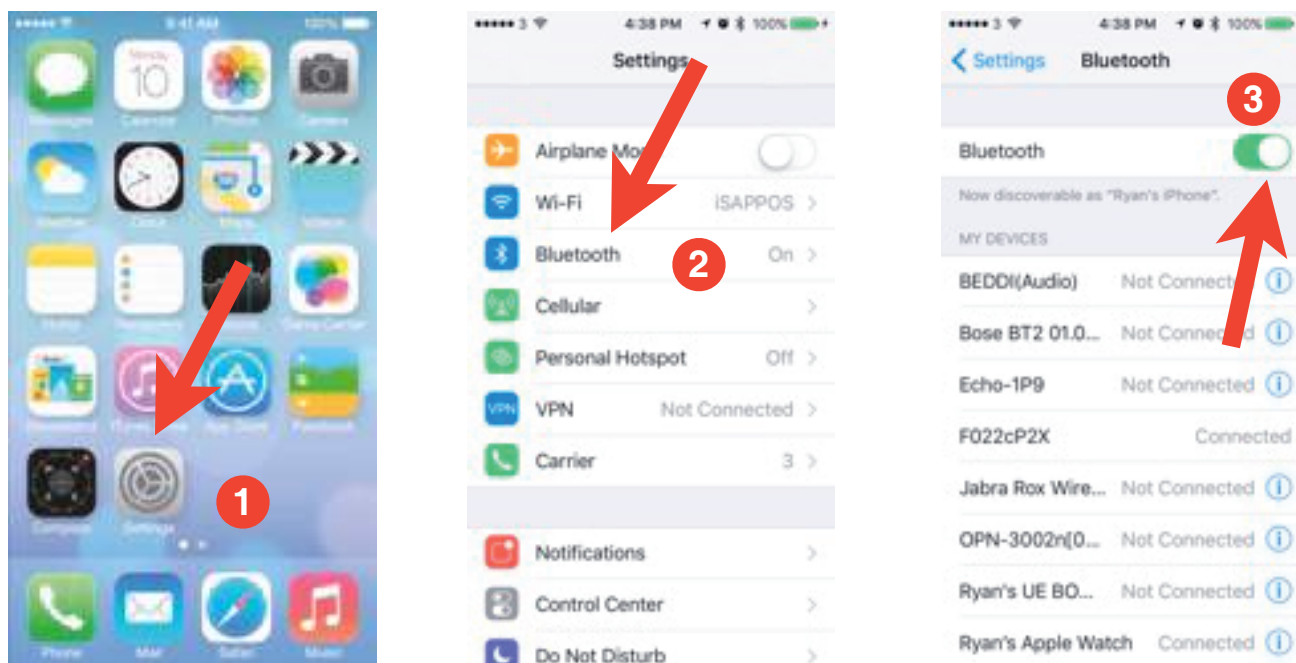
Running and using the App

2

Turn on Bluetooth

SteakPhone (Demo) App

Turn on Bluetooth

Pairing with the jacket

The app will help you set up the jacket with your iPhone. As the jacket communicates with your iPhone through Bluetooth, please make sure Bluetooth is enabled on your iPhone before launching the app. You can enable Bluetooth by going to *Settings —> Bluetooth*.

SteakPhone (Demo) App

About the app

The app presents a simple demonstration of the functions in the iSAPPOS iPhone jacket. The app allows the jacket to be paired with the iPhone through Bluetooth and is the only way they can be paired together.

Pairing the jacket with the iPhone

Make sure the jacket has been powered on before launching the app.
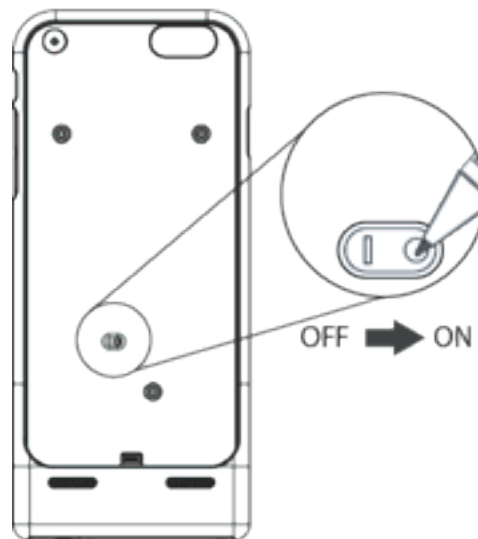
Launch the app and it should immediately find the jacket. Tap to select the jacket you wish to pair the iPhone with.
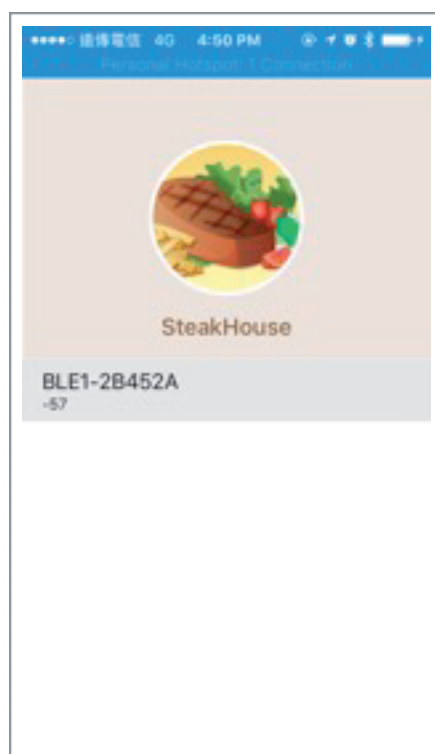
You should be directed to a new page with a successful connection.
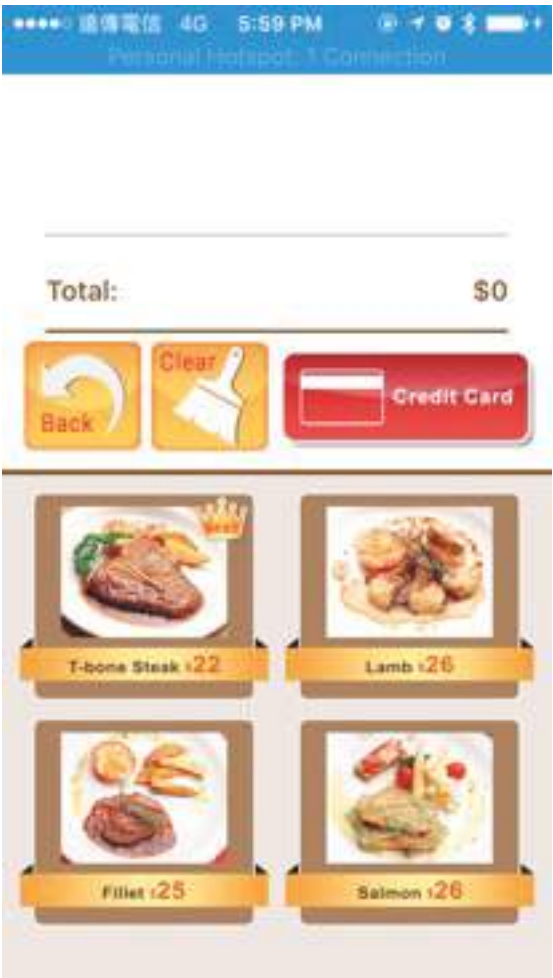
Using the scanner

Using the scanner to scan a barcode simulates the input of a menu item and the item will be displayed in the list.
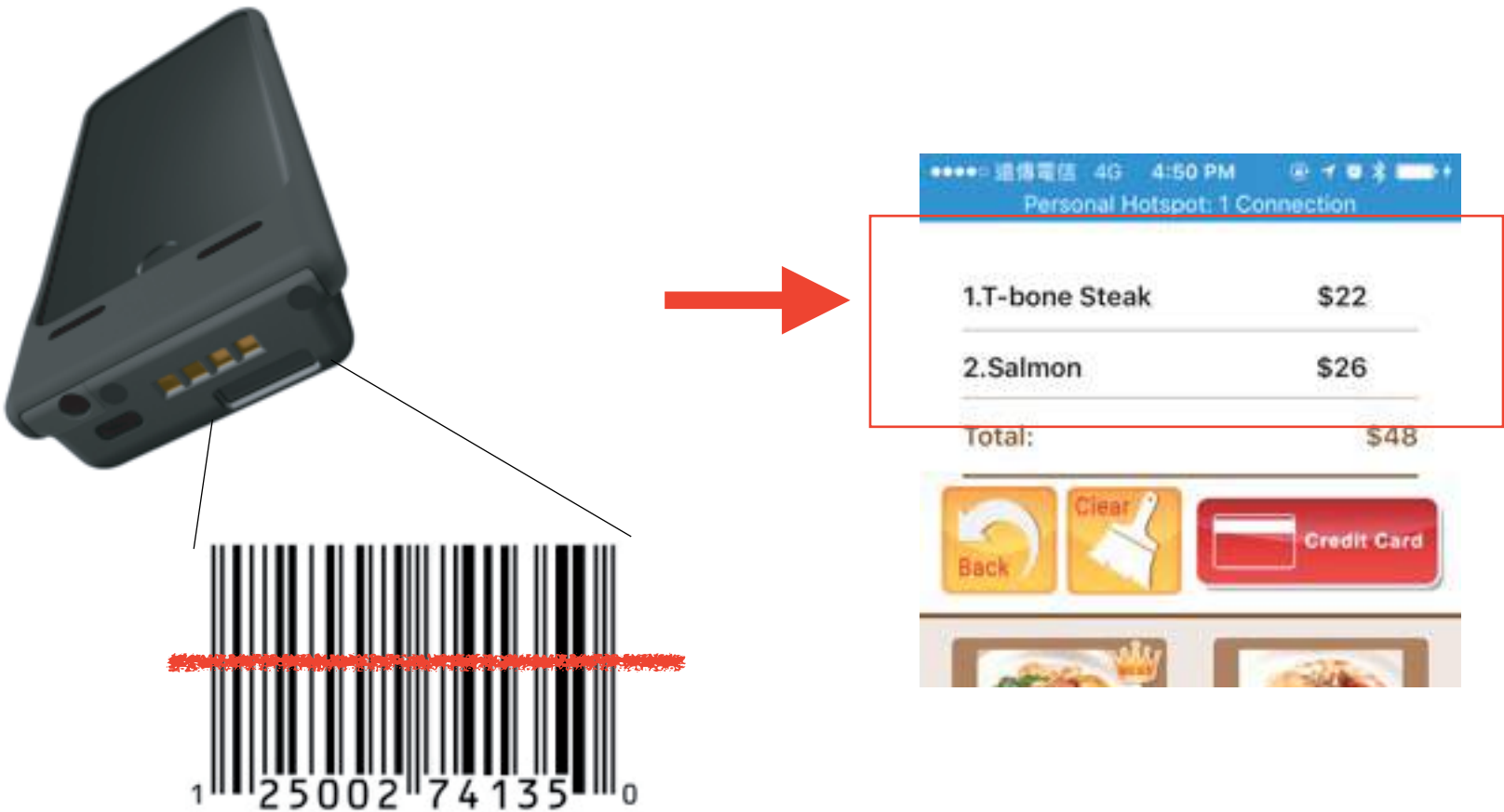
To remove items added to the list, tap on the "Clear" button.

Select one or more items from the list (or tap on "All") and tap on the "Clear" button again to remove them from the list.

Tap to select all items

Tap to select one item
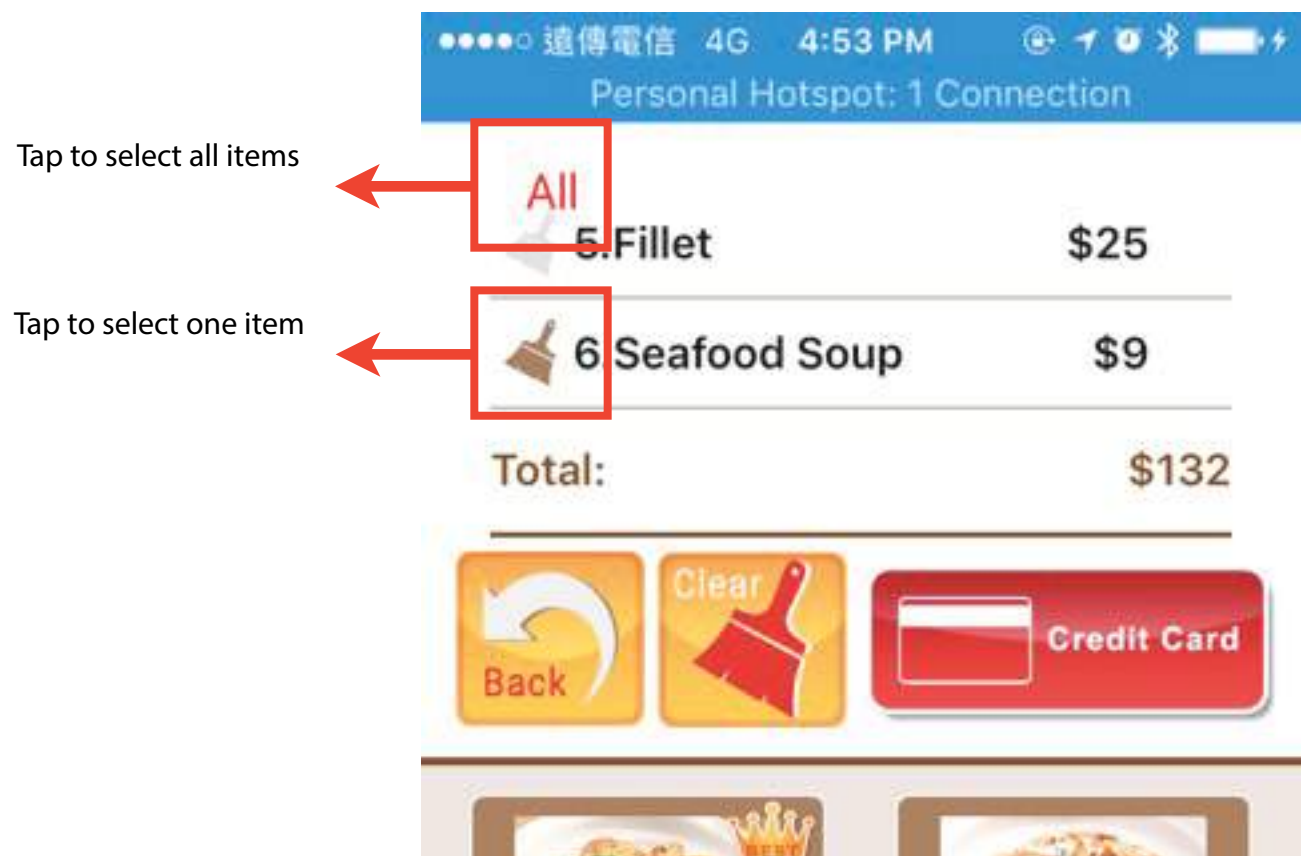
Using the built-in RFID reader

With items added to the list, tap on the "Credit Card" button to simulate the NFC reader function.
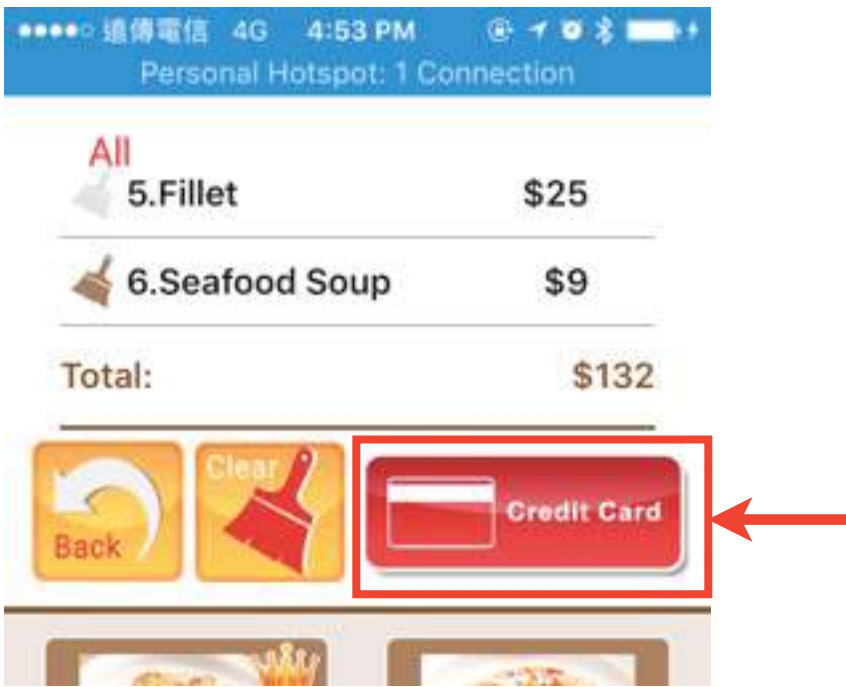
The built-in NFC reader will now be ready to detect a compatible NFC card

Place a compatible NFC card on the back of the jacket. With a successful read, the card number will be shown at the bottom of the screen.

Compatible RFID card types:

- Mifare/ISO 14443 A   :
  (Ntag203) Utralight, Mifare Classic 1K, Mifare Classic 4K, Mifare DESFire, Mifare S50

- ISO14443B

- ISO14443C: Felica ISO 15693

Configure Scanner

3

Input/Output Settings

Setting Custom Defaults for the built-in scanner

The built-in scanner allows you to create a set of menu commands as your own, "custom defaults". To do so, scan the Set Custom Defaults bar code below before scanning the menu commands for your custom defaults. After you have entered all the commands you want to save for your custom defaults, scan the Save Custom Defaults barcode.

MNUCDF.
Set Custom Defaults

MNUCDS.
Save Custom Defaults

You may have a series of custom settings and want to correct a single setting. To do so, just scan the new setting to overwrite the old one. For example, if you had previously saved the setting for Beeper Volume at Low to your custom defaults, and decide you want the beeper volume set to High, just scan the Set Custom Defaults barcode, then scan the Beeper Volume High menu code, and then Save Custom Defaults. The rest of the custom defaults will remain, but the beeper volume setting will be updated.

Resetting the Custom Defaults

If you want to restore the custom default settings, scan the Activate Custom Defaults barcode below. This is the recommended default barcode for most users. It resets the scanner settings to the custom defaults. If there are no custom defaults, it will reset the scanner to the factory default settings.

DEFALT.
Activate Custom Defaults

Resetting the Factory Defaults

If you are not sure what settings are currently in your scanner, or you would like to change the scanner to factory default settings, first scan the Remove Custom Defaults bar code, then scan Activate Defaults. This resets the scanner to the factory default settings.

DEFOVR.
Remove Custom Defaults

DEFALT.
Activate Defaults

Good Read and Error Indicators

Beeper – Good Read

The beeper may be configured On or Off in response to a good read. Turning this option off, only turns off the beeper response to a good read. All error and menu beeps are still audible. Default = Beeper - Good Read On.

BEPBEP0.
Beeper - Good Read Off

BEPBEP1.
* Beeper - Good Read On

Beeper Volume – Good Read

The beeper barcodes below modify the volume of the beep the scanner emits on a good read. Default = High.

BEPLVL1.
Low

BEPLVL2.
Medium

BEPLVL3.
* High

BEPLVL0.
Off

Manual Trigger Mode

When in manual trigger mode, the scanner scans until a barcode is read, or until the scan button is released. Normal mode provides good scan speed and the longest working ranges (depth of field). Default = Manual Trigger-Normal.

PAPHHF.
Manual Trigger - Normal

Mobile Phone Read Mode

When this mode is selected, your scanner is optimized to read barcodes from mobile phone screen or similar LED displays. However, the speed of scanning printed barcodes may be slightly lower when this mode is enabled.

PAPHHC.
Hand Held Scanning - Mobile Phone

Note: To turn o *ff* Mobile Phone Read Mode, scan a Manual Trigger Mode *barcode*

Centering

Use Centering to narrow the scanner's field of view to make sure the it reads only those barcodes intended by the user. For example, if multiple codes are placed closely together, centering will insure that only the desired codes are read. If a barcode is not touched by a predefined window, it will not be decoded or output by the scanner. If centering is turned on by scanning Centering On, the scanner only reads codes that pass through the center - ing window you specify using the Top of Centering Window, Bottom of Centering Window, Left, and Right of Centering Window barcodes.

In the example below, the white box is the centering window. The centering window has been set to 20% left, 30% right, 8% top, and 25% bottom. Since barcode 1 passes through the centering window, it will be read. barcode 2 does not pass through the center - ing window, so it will not be read.
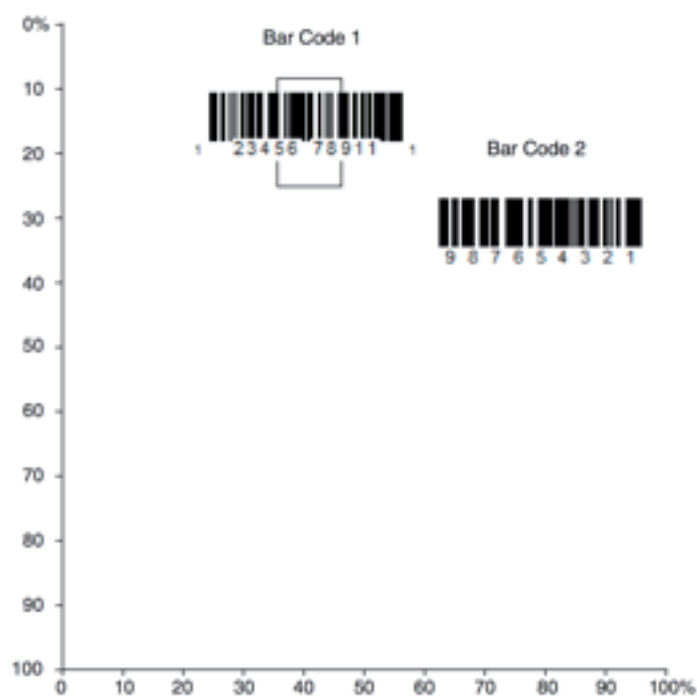
Note: A barcode needs only to be touched by the centering window in order to be read. It does not need to pass completely through the centering window.

Scan Centering On, then scan one of the following barcodes to change the top, bottom, left, or right of the centering window. Then scan the percent you want to shift the centering window using digits barcodes at the end of this chapter. Lastly scan Save. Default Centering is 40% for Top and Left, 60% for Bottom and Right.

DECWIN1.
Centering On

DECWIN0.
* Centering Off

DECTOP.

Top of Centering Window

DECBOT.

Bottom of Centering Window

DECLFT.

Left of Centering Window

DECRGT.

Right of Centering Window

MNUSAV.

Save

Preferred Symbology

The scanner can be configured to specify one symbology as a higher priority over other symbologies in situations where both barcode symbologies appear on the same label, but the lower priority symbology cannot be disabled. For example, you may be using the scan - ner in a retail setting to read U.P.C. symbols, but have occasional need to read a code on a drivers license. Since some licenses have a Code 39 symbol as well as the PDF417 sym - bol, you can use Preferred Symbology to specify that the PDF417 symbol be read instead of the Code 39. Preferred Symbology classifies each symbology as high priority, low prior - ity, or as an unspecified type. When a low priority symbology is presented, the scanner ig - nores it for a set period of time while it searches for the high priority symbology. If a high priority symbology is located during this period, then that data is read immediately. If the time-out period expires before a high priority symbology is read, the scanner will read any bar code in its view (low priority or unspecified). If there is no bar code in the scanner's view after the time-out period expires, then no data is reported.

Note: A low priority symbol must be centered on the aiming pattern to be read.

Scan a barcode below to enable or disable Preferred Symbology. Default = Preferred Sym bology O ff.

PRFENA1.
Preferred Symbology On

PRFENA0.
* Preferred Symbology Off

High Priority Symbology

To specify the high priority symbology, scan the High Priority Symbology barcode below.
On the Symbology Charts on page A-1, find the symbology you want to set as high prior-
ity. Locate the Hex value for that symbology and scan the 2 digit hex value from the Pro-
gramming Chart (inside back cover). Scan Save to save your selection. Default = None

High Priority Symbology

Low Priority Symbology

To specify the low priority symbology, scan the Low Priority Symbology barcode below.
On the Symbology Charts on page A-1, find the symbology you want to set as low priority.
Locate the Hex value for that symbology and scan the 2 digit hex value from the Program-
ming Chart (inside back cover). If you want to set additional low priority symbologies, scan
FF, then scan the 2 digit hex value from the Programming Chart for the next symbology.
You can program up to 5 low priority symbologies. Scan Save to save your selection. De-
fault = None

Low Priority Symbology

Preferred Symbology Time-out

Once you have enabled Preferred Symbology and entered the high and low priority symbo - logies, you must set the time-out period. This is the period of time the scanner will search for a high priority barcode after a low priority bar * Preferred Symbology Off Preferred Symbology On High Priority Symbology Low Priority Symbology 2 - 6 code has been en - countered. Scan the barcode below, then set the delay (from 1-3,000 milliseconds) by scanning digits from the inside back cover, then scanning Save. Default = 500 ms.

PRFPTO.
Preferred Symbology Time-out

Preferred Symbology Default

Scan the barcode below to set all Preferred Symbology entries to their default values.

PRFDFT.
Preferred Symbology Default

Power Up Beeper

The scanner can be configured to beep when it's powered on. Scan the Off barcode(s) if you don't want a power up beep. Default = Power Up Beeper On - Scanner.

BEPPWR0.
Power Up Beeper Off - Scanner

BEPPWR1.
* Power Up Beeper On - Scanner

Beeper Pitch - Good Read

The beeper pitch codes modify the pitch (frequency) of the beep the scan engine emits on a good read. Default = Medium.

BEPFQ11600.
Low (1600 Hz)

BEPFQ12700.
* Medium (2700 Hz)

BEPFQ14200.
High (4200 Hz)

Beeper Pitch - Error

The beeper pitch codes modify the pitch (frequency) of the sound the scan engine emits when there is a bad read or error. Default = Razz.

BEPFQ2250.
* Razz (250 Hz)

BEPFQ23250.
Medium (3250 Hz)

BEPFQ24200.
High (4200 Hz)

Beeper Duration - Good Read

The beeper duration codes modify the length of the beep the scan engine emits on a good read. Default = Normal.

BEPBIP0.
* Normal Beep

BEPBIP1.
Short Beep

LED - Good Read

The LED indicator can be programmed On or Off in response to a good read. Default = On

BEPLED1.
* LED - Good Read On

BEPLED0.
LED - Good Read Off

Number of Beeps - Good Read

The number of beeps of a good read can be programmed from 1 - 9. The same number of beeps will be applied to the beeper and LED in response to a good read. For example, if you program this option to have five beeps, there will be five beeps and five LED flashes in response to a good read. The beeps and LED flashes are in sync with one another. To change the number of beeps, scan the barcode below and then scan a digit (1-9) barcode and the Save barcode on the Programming Chart at the end of this chapter. Default = 1.

BEPRPT.
Number of Good Read Beeps/LED Flashes

Number of Beeps - Error

The number of beeps and LED flashes emitted by the scan engine for a bad read or error can be programmed from 1 - 9. For example, if you program this option to have five error beeps, there will be five error beeps and five LED flashes in response to an error. To change the number of error beeps, scan the barcode below and then scan a digit (1-9) barcode and the Save barcode on the Programming Chart at the end of this chapter. De - fault = 1.

BEPERR.
Number of Error Beeps/LED Flashes

Good Read Delay

This sets the minimum amount of time before the scanner can read another barcode. Default = 0 ms (No Delay).

DLYGRD0.
* No Delay

DLYGRD500.
Short Delay (500 ms)

DLYGRD1000.
Medium Delay (1,000 ms)

DLYGRD1500.
Long Delay (1,500 ms)

User-Specified Good Read Delay

If you want to set your own length for the good read delay, scan the barcode below, then set the delay (from 0-30,000 milli- seconds) by scanning digits barcodes at the end of this chapter, then scanning Save.

DLYGRD.
User-Specified Good Read Delay

Manual Trigger Mode

When in manual trigger mode, the scanner scans until a barcode is read, or until the trigger is released.

PAPHHF.
Manual Trigger - Normal

LED Illumination - Manual Trigger

If you wish to set the illumination LED brightness, scan one of the barcodes below. This sets the LED illumination for the scanner when the trigger is pressed. Default = High.

Note: The LEDs are like a flash on a camera. The lower the ambient light in the room, the brighter the LEDs need to be so the scan engine can "see" the bar codes.

PWRNOL15.
Low

PWRNOL50.
Medium

PWRNOL150.
* High

Serial Trigger Mode

You can activate the scanner by pressing the scan button(s). When in serial mode, the scanner scans until a barcode has been read. The scanner can also be set to turn itself off after a specified time has elapsed (see Read Time-Out below).

Read Time-Out

Use this selection to set a time-out (in milliseconds) of the scan engine's trigger when using serial commands to trigger the scan engine. Once the scan engine has timed out, you can activate the scan engine either by pressing the trigger or using a se rial trigger command. After scanning the Read Time-Out barcode, set the time-out duration (from 0-300,000 milliseconds) by scanning digits barcodes on the Program ming Chart at the end of this chapter, then scanning Save. Default = 30,000 ms.

TRGSTO.
Read Time-Out

Presentation Mode

Presentation Mode uses ambient light to detect barcodes. The LED dims until a barcode is presented to the scanner, then the LED brightens to read the code. If the light level in the room is not high enough, Presentation Mode may not work properly. Scan the follow -ing barcode to program your scanner for Presentation Mode.

PAPPST.
Presentation Mode

Illumination - Presentation Mode

Scan one of the barcodes below to set the LED illumination for the scanner when it is in an idle state in Presentation Mode. Default = High.

Note: If you use one of the lower Idle Illumination settings, and there is not enough ambient light, the scanner may have difficulty detecting when a barcode is presented to it. If the scanner has difficulty waking up to read barcodes, you may need to set the Idle Illumination to a brighter setting.

PWRIDL7.
Low

PWRIDL15.
Medium

PWRIDL50.
* High

Presentation Sensitivity

Presentation Sensitivity is a numeric range that increases or decreases the scanner's reaction time to barcode presentation. To set the sensitivity, scan the Sensitivity barcode, then scan the degree of sensitivity (from 0-20) from the inside back cover, and Save. 0 is the most sensitive setting, and 20 is the least sensitive. Default = 1.

TRGPMS.
Sensitivity

2D Symbologies

Symbology	HEX
All Symbologies	99
Codabar	61
Code 11	68
Code 128	6A
Code 32 Pharmaceutical (PARAF)	3C
Code 39 (supports Full ASCII mode)	62
TCIF Linked Code 39 (TLC39)	54
Code 93 and 93i	69
EAN	64
EAN-13 (including Bookland EAN)	64
EAN-13 with Add-On	64
EAN-13 with Extended Coupon Code	64
EAN-8	44
EAN-8 with Add-On	44

GS1	HEX
GS1 DataBar	79
GS1 DataBar Limited	7B
GS1 DataBar Expanded	7D
GS1-128	49
2 of 5	
China Post (Hong Kong 2 of 5)	51
Interleaved 2 of 5	65
Matrix 2 of 5	6D
NEC 2 of 5	59
Straight 2 of 5 IATA	66
Straight 2 of 5 Industrial	66
MSI	67
Telepen	74

UPC	HEX
UPC-A	63
UPC-A with Add-On	63
UPC-A with Extended Coupon Code	63
UPC-E	45
UPC-E with Add-On	45
UPC-E1	45
Add Honeywell Code ID	5C80
Add AIM Code ID	5C81
Add Backslash	5C5C
Batch mode quantity	35

2D Symbologies

Symbology	HEX
All Symbologies	99
Aztec Code	7A
Chinese Sensible Code (Han Xin Code)	48
Codablock A	56
Codablock F	71
Code 49	6C
Data Matrix	77
GS1	79
GS1 Composite	79
GS1 DataBar Omnidirectional	79
MaxiCode	78
PDF417	72
MicroPDF417	52
QR Code	73
Micro QR Code	73

Postal Symbologies

Symbology	HEX
All Symbologies	99
Australian Post	41
British Post	42
Canadian Post	43
China Post	51
InfoMail	2c
Intelligent Mail barcode	4D
Japanese Post	4A
KIX (Netherlands) Post	4B
Korea Post	3F
Planet Code	4C
Postal-4i	4E
Postnet	50

Programming Chart

K0K
0

K1K
1

K2K
2

K3K
3

K4K
4

K5K
5

K6K
6

K7K
7

K8K
8

K9K
9

MNUSAV.
Save

Regulatory Information

4

Regulatory Information

Safety Caution

Legislation and WEEE Symbol

Safety Instruction

Environmental

Regulatory Information

Caution: Do not remove the plug and connect it to a power outlet by itself; always attach the plug to the power adapter first before connecting it to a power outlet.

CE MARK

This device complies with the requirements of the EEC directive 2004/108/EC with regard to "Electromagnetic compatibility" and 2006/95/EC "Low Voltage Directive".

FCC

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Safety Caution

Note: To comply with IEC60950-1 Clause 2.5 (limited power sources, L.P.S) related legisla - tion, peripherals shall be 4.7.3.2 "Materials for re enclosure" compliant.

4.7.3.2 Materials for re enclosures
For MOVABLE EQUIPMENT having a total mass not exceeding 18kg.the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of V-1 CLASS MATE-RIAL or shall pass the test of Clause A.2.
For MOVABLE EQUIPMENT having a total mass exceeding 18kg and for all STATIONARY EQUIPMENT, the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of 5VB CLASS MATERIAL or shall pass the test of Clause A.1

LEGISLATION AND WEEE SYMBOL

2012/19/EU Waste Electrical and Electronic Equipment Directive on the treatment, collec - tion, recycling and disposal of electric   and elec -tronic devices and their components.

The crossed dust bin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and dis - posal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste dis - posal, please separate this from other types of wastes and recycle it responsibly to pro - mote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government of CE, for details of where and how they can take this item for envi - ronmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Safety Instructions

Please adhere to the following safety guidelines to help ensure your own personal safety and protect your system from potential damage. Any acts taken that are inconsistent with ordinary use of the product, including improper testing, etc., and those not expressly ap - proved by iSAPPOS may result in the loss of product warranty.
Unless expressly approved by an authorized representative of iSAPPOS in writing, you may not and may not permit others to:

• Disassemble or reverse engineer the device or attempt to derive source code (underlying ideas, algorithms, or structure) from the device or from any other information provided by iSAPPOS, except to the extent that this restriction is expressly prohibited by local law.

• Modify or alter the device.

• Remove from the device any product identification or other notices, including copyright notices and patent markings, if any. To reduce the risk of bodily injury, electrical shock, fire, and damage to the device and other equipment, observe the following precautions:

Power Sources

• Observe and follow service markings.

• Do not push any objects into the openings of your device unless consistent with the authorized operation of the device. Doing so can cause a re or an electrical shock by shorting out interior components.

• The powering of this device must adhere to the power specifications indicated for this product.

• Do not overload wall outlets and/or extension cords as this will increase the risk of re or electrical shock.

• Do not rest anything on the power cord or on the device (unless the device is made and expressly approved as suitable for stacking).

• Position system cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.

• Operate the device only from the type of external power source indicated on the electri - cal ratings label.

• To help avoid damaging your device, be sure the voltage selection switch (if provided) on the power supply is set to match the power available at your location.

- Also be sure that attached devices are electrically rated to operate with the power avail - able in your location.

- Use only approved power cable(s). If you have not been provided a power cable for your device or for any AC -powered option intended for your device, purchase a power cable that is approved for use in your country and is suitable for use with your device. The power cable must be rated for the device and for the voltage and current marked on the device's electrical ratings label. The voltage and current rating of the cable should be greater than the ratings marked on the device.

- To help prevent an electrical shock, plug the device and peripheral power cables into properly grounded electrical outlets. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs.

- Observe extension cable and power strip ratings. Ensure that the total ampere rating of all products plugged into the extension cable or power strip does not exceed 80 percent of the ampere ratings limit for the extension cable or power strip.

- To help protect your device from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).

- Do not modify power cables or plugs. Consult a licensed electrician or your power com - pany for site modi cations. Always follow your local/national wiring rules.

- When connecting or disconnecting power to hot-pluggable power supplies, if offered with your device, observe the following guidelines.

- Install the power supply before connecting the power cable to the power supply.

- Unplug the power cable before removing the power supply.

- If the system has multiple sources of power, disconnect power from the device by unplug - ging all power cables from the power supplies.

Servicing/Disassembling

- Do not service any product except as expressly set forth in your system documentation.

- Opening or removing covers that are marked with the triangular symbol with a lightning bolt may expose you to an electrical shock. Only a trained service technician should serv - ice components inside these compartments.

- To reduce the risk of electrical shock, never disassemble this device. None of its internal parts are user-replaceable; therefore, there is no reason to access the interior.

- Do not spill food or liquids on your system components, and never operate the device in a wet environment. If the device gets wet, see the appropriate section in your trouble - shooting guide or contact your trained service provider.

- Use the device only with approved equipment.

- Move products with care; ensure that all casters and/or stabilizers are firmly connected to the system. Avoid sudden stops and uneven surfaces.

Environment

- Do not use this device near water (e.g. near a bathtub, sink, laundry tub, in a wet base - ment or near a swimming pool).

- Do not use this device in areas with high humidity.

- This device must not be subjected to water or condensation.

- Keep your device away from radiators and heat sources. Also, do not block cooling vents.

Cleaning

- Always unplug the power before cleaning this device.

- Do not use liquid or aerosol cleaners of any kind. Use only compressed air that is recom - mended for electronic devices.

- Use a dry cloth for cleaning.

Protecting Against Electrostatic Discharge

Static electricity can harm delicate components inside your system. To prevent static dam - age, discharge static electricity from your body before you touch any of the electronic com - ponents, such as the microprocessor. You can do so by periodically touching an unpainted metal surface on the chassis.
You can also take the following steps to help prevent damage from electrostatic discharge (ESD):

1. When unpacking a static-sensitive component from its shipping carton, do not remove the component from the antistatic packing material until you are ready to install the compo - nent in your system. Just before unwrapping the antistatic packaging, be sure to dis - charge static electricity from your body.

2. When transporting a sensitive component, first place it in an antistatic container or packaging.

3. Handle all sensitive components in a static-safe area. If possible, use antistatic floor pads, workbench pads, and an antistatic grounding strap.