INFINITE PERIPHERALS

STIMARE

INFINEA® BLUEPAD
CARD READER

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Note: *iOS device and other additional items shown on cover page may not be included.*

LEGAL NOTICE

"Made for iPod," "Made for iPhone," and "Made for iPad mini" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone or iPad mini respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad mini may affect wireless performance.

COMPATIBILITY

Made for the following mobile digital devices:

iPhone 5	iPod touch (6th generation)
iPhone 4S	iPod touch (5th generation)
iPhone 4	iPod touch (4th generation)
iPhone 3GS	iPod touch (3rd generation)
iPhone	iPod touch (2nd generation)
iPad (4th generation)	iPod touch (1st generation)
iPad mini	iPod classic
iPad (3rd generation)	
iPad 2	
iPad	

Android OS 2.1 or higher

Windows

Windows Phone 8

Windows Mobile

TRADEMARK CREDITS

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Table of Contents

WARNINGS, CAUTIONS AND NOTES

Please observe the *Warnings*, *Cautions* and *Notes* presented throughout this manual. An explanation of these items is provided below:

	Symbol	Description
⊘	**WARNING:**	Actions may result in a serious outcome *(e.g., injury, death or other adverse affect)* to the user.
⚠	**CAUTION:**	Special care is required to avoid damage to the product or other property.
ⓘ	*Note:*	*Important points and tips about the product are being provided.*

GUIDELINES FOR USE

General Warnings and Cautions

- This device is intended for indoor use only. Keep away from direct sunlight and rain.
- To prevent risk of shock or damage, do not use while wet or while located directly next to water sources.
- Avoid exposing the Infinea BluePad-50 to excessive heat. Keep the device away from heat radiating equipment, open flame, etc.
- Do not clean the device using caustic chemicals or oils.
- Do not use the device near electrical appliances or during electrical storms.

Device Security

- Do not attempt to open the Infinea BluePad device.   Attempting to disassemble an SRED encrypted Infinea BluePad device will render the unit unusable and may impact your warranty.
- Use of this device may require PIN Code entry during some transactions. Cardholders should be advised to keep the device close to them to during PIN code entry to prevent others around them from obtaining their information.
- Selecting certain options or keys in Service Mode or Application Download Mode may render the device unusable and require the device to be sent back to IPC or an authorized service center for reactivation.
- When the Infinea BluePad battery is fully discharged and enters the Tamper Detect mode, the unit may only be reactivated at IPC or an authorized service facility.

IMPORTANT: Use of the device under improper conditions could cause personal injury and/or damage to the device and may void any warranty.

GETTING STARTED

Before Using Your Infinea BluePad

- Remove the device and any included accessories from the shipping carton and verify contents against your packlng list.

- Retain all packing materials, invoice, and bill of lading.   These may be required to return the device for servicing later, or to process a claim with the carrier.

- Carefully inspect the packaging and contents for any signs of damage and verify that the packaging is intact. If there are signs of damage, DO NOT attempt to use the unit.   Notify your account executive or contact IPC technical support at **support@ipcmobile.com**.

- Ensure the battery is fully charged prior to initial use.

Your **Infinea BluePad** includes the items listed below:

Infinea BluePad

USB Cable

Note: Box contents and part numbers may vary based on ordered configuration.

The following table will help you get the Infinea BluePad ready for use:

Step	Purpose	Additional Information
1. Charge your Infinea BluePad	The battery pack should be fully charged before use to ensure long battery life.	*See manual section:* **CHARGING THE BATTERY**
2. Install Software	Use of the Magnetic Stripe and Smart Card reading features requires the installation of software on your mobile device.	*See manual section:* **DEVELOPING APPLICATIONS**
3. Power On your Infinea BluePad	Initialize MSR and/or Smart Card functions for use.	*See manual section:* **POWERING ON YOUR INFINEA BLUEPAD**

ACCESSORIES

Please visit our website at **www.ipcmobile.com**, or contact your Infinite Peripherals (IPC) account representative, for additional information about our current and future product accessory offerings.

DEVELOPING APPLICATIONS

Software is not provided with your Infinea BluePad. Please contact your reseller or Infinite Peripherals for Third Party software solutions.

Integrating the Infinea BluePad with a mobile device application requires the use of the Infinite Peripherals Universal SDK. The SDK incorporates an API specifically for developing applications to use the barcode scanning functionality of the Infinea BluePad.

For additional details on using the Infinite Peripheral Universal SDK, please refer to the SDKs documentation.

For the latest Infinite Peripheral Universal SDK please visit our developer portal at:

http://www.ipcmobile.com/developer

INFINEA BLUEPAD FEATURES

The Infinea BluePad unit is a hand-held PIN pad with an integrated smart and magnetic stripe card reader, offering advanced security and smart card processing capabilities.

Infinea BluePad supports both symmetric encryption algorithms (DES, 3DES, and AES) and asymmetric encryption (RSA). This device internally manages multiple keys simultaneously through either Master Session- or DUKPT-based processes, and offers high performance smart card processing, as well as support for the new generation of 3-volt cards.

The Infinea BluePad sleek and stylish ergonomic design offers power and performance in a smart card and MSR-integrated PIN pad device.

Feature	Description
Battery	Rechargeable Li-Poly 3.7V - 270 mAh (Contactless version: 620 mAh) Charging via USB cable or Power Station
Magnetic Stripe Reader	3-Track Hi coercivity Bi-directional reading capabilities
	Bidirectional reading capabilities
Smart Card Reader *(Optional)*	ISO 7816 cards Supports synchronous and asynchronous smart cards Supports international characters sets and Unicode standard EMV Level 1 EMV Level 2 PCI PTS 3.x SRED Certification
Contactless Card Reader (NFC) *(Optional)*	• AMEX ExpressPay MagStripe and EMV • Discover ZIP and D-PAS • MasterCard PayPass MagStripe and M/Chip • VISA PayWave MSD and qVSDC
Keypad	**ADA Compliant Keypad:** On/Off, 10 numeric keys and 5 functional keys
I/O Connectors	Mini USB
Bluetooth	Supports iAP and Serial Port Profile (SPP)
Encryption and Key Management	AES, DES, 3DES, RSA Key management schemes-single and 3DES Master Session Single and 3DES Derived Tamper detection circuity to resist unauthorized intrusion
Reliability	MTBF: 500,000 chip card cycles 1 million magnetic card swipes 1 million single button clicks

PRODUCT OVERVIEW

Front Panel

The Front Panel of the Infinea BluePad includes the following features:

Magnetic Stripe Reader

Display

Keypad

Chip Card Reader

Figure 1: BluePad Front View

CHARGING YOUR INFINEA BLUEPAD

The Infinea BluePad uses a Lithium Ion rechargeable battery. Before first use, the battery pack should be charged for at least (4) hours.

To prevent electrical damage to the Infinea BluePad and/or battery, please use approved mini USB cables only.

1. Connect mini USB charger cable as shown below.
2. When charging, plug icon appears next to battery on PIN Pads display. (PIN Pad must be turned on to show display).
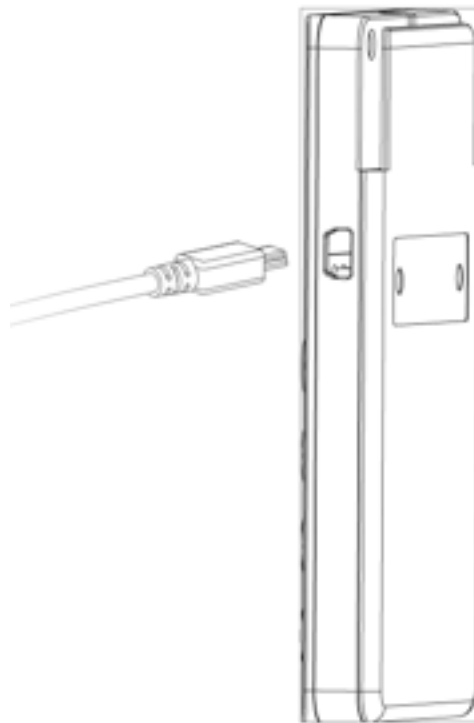
Figure 2: Charging via USB

Battery Level Status Display Indicators

BATT	Indicates the voltage of the battery
VBUS	Indicates if external power supply is plugged in
CHARGE	Indicates if the battery is charging
BATLOW	Identifies low battery
BTCON	Shows active Bluetooth connection

The Infinea BluePad uses the battery indicator to display the following hardware properties. The table below explains these the hardware status.

This can be viewed in the Infinea BluePad "Info Hardware" menu.

Note:

*To minimize the potential for deactivation, follow all storage and operating temperature guidlines. See section titled **TECHNICAL DATA** for additional information.*

Long term storage can cause temporarily decreased battery capacity. In order to recover maximum performance, it may be necessary to go through several cycles of fully charging and discharging the battery.

When storing the device for longer than 3 months, the battery should be charged every 3 months at a minimum to prevent leakage, reduced performance and potential deactivation.

CAUTION:

To replace the main battery of Infinea BluePad, please contact your Infinite Peripherals representative or certified service center before attempting to open the Infinea BluePad device.

Attempting to disassemble an SRED encrypted Infinea BluePad device will render the unit unusable and may impact your warranty.

USING YOUR INFINEA BLUEPAD

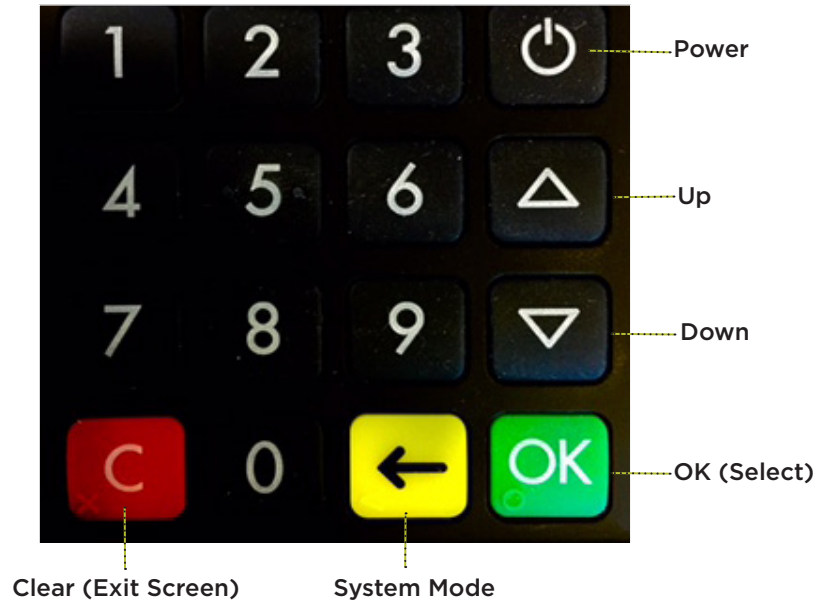The following keypad buttons are used to access and navigate through the various screens and menu options:

Figure 3: Keypad

Button	Function	Description
	<POWER>	Powers on the Infinea mPOS unit.
	<SYSTEM MODE>	Enters System Mode from home screen.
	<UP>	Scrolls up through the menu options
	<DOWN>	Scrolls down through the menu options
	<OK>	Selects the active option
	<CLEAR>	Returns to previous level or exit the service mode

Note: *The Infinea BluePad has an ADA compliant keypad. The "Clear", "OK", Backspace and the number 5 key have distinct, raised markings at the bottom left corner of each key.*

POWERING ON YOUR INFINEA BLUEPAD

To power on the Infinea BluePad, press the **<POWER>** button at the top-right corner of the keypad. Once powered on, the name and version of the Secure Boot Loader and the firmware will be shown on the display.

WARNING:

To prevent risk of shock or damage, DO NOT use the Infinea BluePad unit near water or while you are wet.

STATUS AND OPERATIONAL MODES

The following modes are used for configuration, system test and device status:

- **SYSTEM MODE**
- **SERVICE MODE** *(Service Center use only)*
- **APPLICATION DOWNLOAD MODE** *(Service Center use only)*

The following pages describe in detail how to access and navigate available menu options.

Accessing and Navigating System Mode

System Mode may be accessed by powering on the Infinea BluePad unit and pressing the **<SYSTEM MODE>** button on the keypad. The menu options below are available in System Mode and are explained on the following pages.

- Info Version
- Info Hardware
- Settings
- Test Display
- Test Keyboard
- Test MSR
- Test SCR
- Test Font0
- Test Font1

SYSTEM MODE > Info Version

Listed in the table below are the display fields and additional menu options available through the **Info Version** menu option. A description and example of the screen is provided for each.

Field Label	Description	Example
DEV SN:	Displays the Infinea BluePad serial number	INFO VERSION USIP SN: 040098DE8C061617 DEV SN: 915000328
USIP SN:	Displays the USIP serial number	
USIP VER:	Displays the current USIP version	INFO VERSION USIP VER: 3.00 ISBL VER: 3.00 HAL VER: 3.01
ISBL VER:	Displays the current USIP Boot loader version	
HAL VER:	Displays the current USIP Hardware Abstraction Layer (HAL) version	
LOAD VER:	Displays current Secure Boot Loader (SBL) version and name	INFO VERSION LOAD VER: 2.2.7.0 LD BLUEPAD500 FW VER: 2.4.35.0
FW VER:	Displays current Firmware version and name	

Field Label	Description	Example
PROM VER:	Prompts version	
APPL VER:	Application version and name	
PINUTIL:	Displays current library version	
PKFA VER:	Displays current Version of the public key used for firmware authentication.	
PKAA VER:	Displays current Version of the public key used for application authentication	
PKKA VER:	Displays current Version of the public key used for manufacturing keys authentication	

SYSTEM MODE > Info Hardware

Listed in the table below are the display fields available through the **Info Hardware** menu option. A description and example of the screen is provided.

Field Label	Description	Example
BATT:	Displays the voltage of the battery	
VBUS:	Indicates if external power supply is plugged in	
CHARGE:	Indicates if the battery is charging	
BLOW:	Identifies low battery condition	
BLT:	Identifies Bluetooth connection	

SYSTEM MODE > Settings

Listed in the table below are the display fields and additional menu options available through the **Settings** menu option. A description and example of the screen is provided for each.

Field Label	Description	Example

RS SPEED:	**Select from the following setting options:**
	
	• 9600
	• 19200
	• 36400
	• 57600
	• 115200 *(Default)*
	
	Default RS232 serial port communication parameters:
	
	  • 115200bps
	  • 8bit
	  • 2stop bit
	  • No parity	

USB MODE:	**Select from the following setting options:**
	
	• HOST *(for connecting with iOS device)*
	• DEVICE
	• DISABLE
	
	Default USB VC serial port communication parameters:
	
	  • 115200bps
	  • 8bit
	  • 1 stop bit
	  • No parity	

Field Label	Description		Example
BLUETOOTH	**MODE:**	<u>Select from the following setting options:</u> • ENABLED • DISABLED	MODE: ENABLED ADDR: 68AAD201C831 NAME: PP1115000104 PASS: 0000
	ADDR:	MAC ADDRESS of the Bluetooth	
	NAME:	Displays the Bluetooth name	
	PASS:	Displays the Bluetooth password	
	PAIR:	<u>Select from the following setting options:</u> • DISCOVERABLE • HIDDEN	PAIR: HIDDEN AUTO: ENABLED VER: 2.13 MASTER RESET
	AUTO:	<u>Select from the following setting options:</u> • ENABLED • DISABLED	
	VER:	Displays the current Version	
	MASTER RESET	Returns the unit to default settings	
	PAIRING	Displays the BluePad-50 serial number for pairing.	PAIRING FW UPDATE
	FW UPDATE	Enters the unit into Firmware Update mode.	

Field Label	Description	Example
AUTO OFF:	**Select from the following setting options:** • DISABLED • 1min • 5min • 10min • 15min • 30min • 45min • 60min *(Default)* • 120min • 180min • 240min	
HOTSYNC	**Select from the following setting options:** • DISABLED • ENABLED *Note: When a USB cable is connected and HotSync is enabled, the iOS device is able to sync data with a PC. When HotSync is disabled, the iOS device will receive pass-through charge and communicate with the Infinea BluePad-50.*	
CHARGE CURRENT	**Select from the following setting options:** • 0mA *(Default)* • 500mA • 1000mA *Note: When charging current is 0mA, charge is disabled*	

SYSTEM MODE > Test Display

To Adjust the Display Contrast:

1. Using the **<UP>** and **<DOWN>** buttons, adjust the percentage for the display contrast. The current percentage is displayed at the bottom center of the screen.

2. Press the **<CLEAR>** button on the keypad to exit Test Display function.

SYSTEM MODE > Test Keyboard

To Test the Keyboard:

1. Press any of the keys on the keypad to confirm recognition by the device.

2. Press the **<CLEAR>** button on the keypad to exit Test Display function.

SYSTEM MODE > Test MSR

To Test the Magnetic Stripe Reader:

1. Swipe a card, with the magnetic stripe face down (in either direction) through the MSR reader on the device. If the card is read successfully, the tracks data are displayed on the screen.

2. Press the **<CLEAR>** button on the keypad to exit the Test MSR function.

See section titled **MAGNETIC STRIPE READER for further instruction on using this feature.*

SYSTEM MODE > Test SCR

To Test the Smart Card Reader:

1. Insert a card in the card slot and select the corresponding menu option.

    • **RESET:**   Performs card reset and returns the ATR.

    • **GET CHALLENGE:**   Calls the command GET CHALLENGE and returns a random number.

2. Press the **<CLEAR>** button on the keypad to exit Test SCR function.

*See section titled **SMART CARD READER** for further instruction on using this feature.*

SYSTEM MODE > Test Font0

To Test the Loaded Fonts:

1. Press the **<CLEAR>** button on the keypad to exit Test Font 0 function.

SYSTEM MODE > Test Font1

To Test the Loaded Fonts:

1. Press the **<CLEAR>** button on the keypad to exit Test Font 1 function.

Accessing and Navigating Service Mode

Service Mode should only be accessed by an authorized service center.

CAUTION:

⚠️ *Selecting certain options or keys in Service Mode may render the device unusable and require the reactivation of the device.*

Accessing and Navigating Application Download Mode

Application Download Mode should only be accessed by an authorized service center.

CAUTION:

⚠️ *Selecting certain options or keys in Application Download Mode may render the device unusable and require the reactivation of the device.*

USING YOUR INFINEA BLUEPAD

Pairing the Infinea BluePad with a Bluetooth Compatible Device

1. After your Infinea BluePad device is charged, power the unit on by pressing the **<POWER>** button.

2. Turn the Bluetooth option on in your compatible device's settings.

3. Press the **<SYSTEM MODE>** button on the Infinea BluePad device to access System Mode.

4. Press the **<DOWN>** button to locate and select the *Settings* menu option.

5. Press the **<OK>** button.

6. Press the **<DOWN>** button to locate and select the *Bluetooth* menu option.

7. Press the **<OK>** button.

8. Press the **<DOWN>** button to locate and select the select the *Pairing* menu option.

9. Press the **<OK>** button.

10. Confirm the device being paired on your Bluetooth compatible device.

11. Press the **<CLEAR>** button once to return to the previous screen, or continue pressing to return to the home screen.

Magnetic Stripe Reader

The magnetic card transaction procedure can vary depending on the application loaded on the Infinea BluePad. Verify the proper procedure with your application provider before performing a magnetic card transaction.

To Use the Magnetic Stripe Reader:

1. Position a magnetic card with the stripe face down.

2. Insert the card into the MS card reader slot and then quickly swipe it through.

3. Provide Infinea BluePad to the customer for signature or PIN entry.

IMPORTANT: Cardholders should be advised to keep the device close to them to during PIN code entry to prevent others around them from obtaining their information.
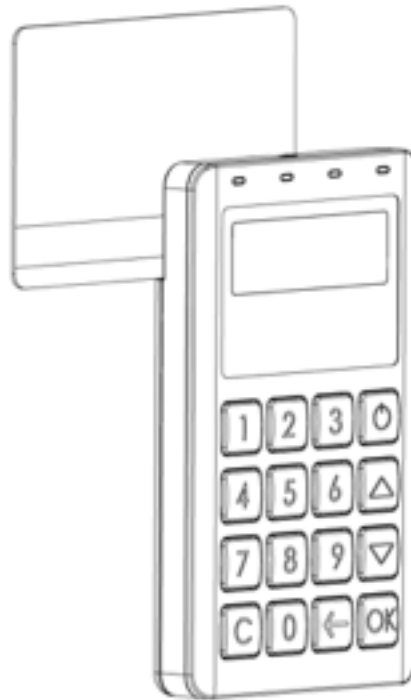

Figure 4: Magnetic Card Reader

Contactless Card Reader *(Optional)*

The Infinea BluePad has a built-in tag/card reader for NFC payments.

To Use the Contactless Card Reader:

1. Place the RFID tag/card over the receiver/transmitter as indicated by the NFC label on the front of the BluePad unit.

2. Press the RFID card reading button on the application. The data will be sent from Infinea BluePad reader to the iOS Device.

   Note: See NFC LED Indicator table below for an explanation of the status indicators.
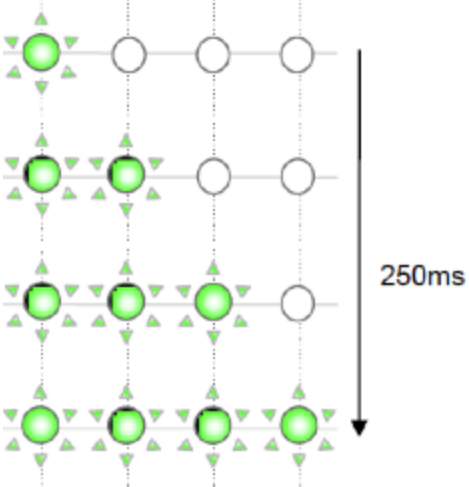
Note:

Do not remove the card from the receiver/transmitter until the transaction is completed. Removing the card too quickly may void the transaction.

Figure 5: Contactless Card (RFID) Reader

RFID LED Indicators

Status/ Event Name	Short Description	Indicators
Not Ready	The reader is not powered on.	
Idle	The first indicator blinks every five seconds. The reader is powered on, but is not ready to read a card.	
Ready to Read	First indicator displayed is solid green. The reader has all the required information to initiate a contactless payment transaction.	
Card Read Successfully	Contactless application process was completed successfully. The cardholder may remove their card from the reader.	

Smart Card Reader

The smart card transaction procedure can vary depending on the application loaded on the Infinea BluePad. Verify the proper procedure with your application provider before performing a smart card transaction.

To Use the Smart Card Reader:

1. Position the smart card with the gold contacts face up.

2. Insert the card into the ICC card reader slot in a smooth, continuous motion until it seats firmly in the device.

3. Provide the Infinea BluePad to the customer for PIN entry.

4. Remove the card when the display indicates the transaction is completed.

Note:

Do not remove smart card from the card reader until the transaction is completed. Removing the card too quickly may void the transaction.

Figure 6: Smart Card Reader

SERVICING YOUR INFINEA BLUEPAD

The Infinea BluePad unit contains no user-serviceable parts. Please contact your Infinite Peripherals representative or certified service center before attempting to open the Infinea BluePad device.

Figure 7: Servicing

CAUTION:

⚠️ Attempting to disassemble an SRED encrypted Infinea BluePad device will render the unit unusable and may impact your warranty.

SRED INFORMATION

Integrating the PCI PTS 3.x SRED certified Infinea BluePad into your solution requires proper maintenance. To ensure long and trouble free operation of the Infinea BluePad and to prevent the device from entering a tamper state includes:

- Maintaining proper battery charge. The shelf life from full charge to battery discharge may be several years, however it is important that battery levels be continually monitored because once the battery power is depleted or the battery is removed, the security system will erase all sensitive data, requiring a re-deployment of the unit.

- Protect the unit from any potentional physical damage such opening the unit, cutting, drilling, dropping or any similar type of action.

- Use of approved chargers which supply sufficient charging current. Connecting an unapproved charger may lead to electrical damage and/or cause security sensor malfunction.

To prevent downtime caused by the security feature becoming disabled:

- Always place the Infinea BluePad on charging station when not in use for extended periods.
- Do not allow the Infinea BluePad battery to fully discharge.
- Do not attempt to remove the battery from the Infinea BluePad unit.

CAUTION:

⚠️ If the Infinea BluePad battery is fully discharged and enters Tamper Detect Mode, the unit may only be reactivated at IPC or an authorized service facility.

TROUBLESHOOTING

The troubleshooting guidelines provided in the following section are included to assist in the successful installation and configuration of Infinea BluePad units.

If you are having problems operating your Infinea BluePad unit, first verify that there is power to the device and that it is powered on and sufficiently charged.

See section titled ***CHARGING YOUR INFINEA BLUEPAD*** for additional information on charging your device.

Once power and proper battery charge has been confirmed, please review the appropriate sections below for additional troubleshooting options. If the problem persists or the problem is not described below, contact technical support at ***support@ipcmobile.com.*** Your unit may need to be returned for servicing.

Troubleshooting > General

Problem	Possible Cause	What To Do
Blank Display	• Infinea BluePad is not powered on by the software	• Verify power and proper charging. • Run Test Display option to verify there is sufficient screen contrast.
Keypad does not respond	• Infinea BluePad is not powered on by the software • Faulty keypad	• Verify power and proper charging. • Run Test Keyboard option to verify keys are recognized when pressed. • Attempt the transaction using another device, if available.
Infinea BluePad connects, but won't accept payment	• The card could not be read • Device is in a tampered state	• Attempt the transaction using another device, if available.

Troubleshooting > Magnetic Stripe Reader

If the Infinea BluePad is not reading magnetic stripe cards properly, first verify that there is power to the device and that it is powered on and sufficiently charged. Then, refer to the table below for additional troubleshooting options:

Problem	Possible Cause	What To Do
No data is returned when card is swiped	• Incorrect swipe method used • Faulty read head • Magnetic stripe is unreadable • Secured head reader requires decryption of encrypted data • Device is in a tampered state	• Swipe the card again following the instructions under section of this manual titled **MAGNETIC STRIPE READER.** • Run a test transaction with another magnetic stripe card under the Test MSR menu option to determine if the card may be defective.
Only partial data is returned when card is swiped	• Swipe method is incorrect • Faulty read head • Magnetic stripe is unreadable	• Process transaction manually using keypad. • Attempt the transaction using another device, if available, to determine if the device is defective.

Troubleshooting > RFID Reader

If the Infinea BluePad is not reading RFID Tags/Cards properly, first verify that there is power to the device and that it is powered on and sufficiently charged. Then, refer to the table below for additional troubleshooting options:

Problem	Possible Cause	What To Do
No data being returned during RFID reading	• Card not located close enough to receiver/transmitter • Unreadable RFID tag/card • Faulty RFID reader • Software not decoding correctly	• Hold the card closer to the RFID label and attempt to read the card again, following the instructions under section of this manual titled **CONTACTLESS CARD READER.** • Attempt the transaction using another device, if available.
Only partial data is returned during RFID reading	• Unreadable RFID tag/card • Faulty RFID reader • Software not decoding correctly	• Attempt the transaction using another device, if available.
Unable to read certain RFID Tags/Cards	• RFID type is not compatible. • RFID type is not supported. See *Technical Data* for additional information.	• Verify RFID type is compatible/supported. • Attempt the transaction using another device, if available.

Troubleshooting > Smart Card Reader

If the Infinea BluePad is not reading smart cards properly, first verify that there is power to the device and that it is powered on and sufficiently charged. Then, refer to the table below for additional troubleshooting options:

Problem	Possible Cause	What To Do
No data returned when card is swiped	• Card was not inserted correctly • Smart card is unreadable • Device is in a tampered state	• Insert the smart card again following the instructions under section titled **SMART CARD READER.** • Run a test transaction using a different smart card under the Test SCR menu option to determine if the card may be defective. • Attempt the transaction using another device, if available, to determine if the device is defective.
Only partial data returned when card is swiped	• Card was not inserted correctly • Smart card is unreadable	

TECHNICAL DATA

MECHANICAL	
Processor	Maxim USIP Professional, version IC400C
Memory	128KB of SRAM 256KB of Lockable Flash Memory 128KB of ROM 32KB FRAM (Optional)
Application Memory	8MB application accessible flash
Display	LCD, Monochrome, 128 x 32 pixel
Compatibility	iPhone 5 iPod touch (6th generation) iPhone 4S iPod touch (5th generation) iPhone 4 iPod touch (4th generation) iPhone 3GS iPod touch (3rd generation) iPhone iPod touch (2nd generation) iPad (4th generation) iPod touch (1st generation) iPad mini iPod classic iPad (3rd generation) Android OS 2.1 or higher iPad 2 Windows iPad Windows Phone 8 Windows Mobile
Connectivity	Apple Lightning™ connector
Weight *(without iOS Device)*	**Standard version:** 102g (3.6 oz) **Contactless version:** 124g (4.4 oz)
Dimensions	**Standard version:** 110.3mm (l) x 68.6mm (w) x 13.3mm (h) *(4.3" x 2.7" x .5")* **Contactless version:** 110.3mm (l) x 68.6mm (w) *x 17mm (h) (4.3" x 2.7" x .7")*
Buttons	**Keypad:** On/Off, 10 numeric keys and 5 functional keys
Port	Mini USB for charge
ELECTRICAL	
Battery Capacity	**Standard version:** Rechargeable Li-Poly 3.7V, 270mAh **Contactless version:** Rechargeable Li-Poly 3.7V, 620mAh

Battery Life	**Standard version:** Approximately 350-500 transactions per full charge **Contactless version:** Approximately 800 contactless transactions per full charge
Smart Card Reader	ISO ISO7816, EMV L1 Certified
Magnetic Card Reader	3-track bi-directional reading ISO 7810, 7811, and 7813
Contactless Card Reader *(NFC payment applications)*	• AMEX ExpressPay MagStripe and EMV • Discover ZIP and D-PAS • MasterCard PayPass MagStripe and M/Chip • VISA PayWave MSD and qVSDC
Encryption & Key Management	**PIN Pad and Bluetooth:** DES and 3DES DUKPT/AES-256 **Magnetic Stripe Reader and Smart Card:** AES-256 and 3DES DUKPT
Bluetooth	Bluetooth 3.0 (SPP/IAP) Class 2 compatible
Indicators	**Visual:** 4 LEDS for transaction status **Audio:** Electromagnetic Buzzer

CERTIFICATIONS
CE, FCC, EMV Level 1, EMV Level 2, EMV Level 1 Contactless, PCI PTS 3x SRED, Apple® MFi

ENVIRONMENT		
Temperature	**Operation:**	-10°C to +40°C (14°F to +104°F)
	Storage:	-15°C to 50°C (5F to +122°F)
Humidity	**Operation:**	5 to 90% RH
	Storage:	5 to 90% RH

CLEANING YOUR INFINEA BLUEPAD

To clean the unit, use a clean cloth slightly dampened with water and a drop or two of mild soap. For stubborn stains, use alcohol or an alcohol-based cleaner.

CAUTION:

⚠️ Never use thinner, trichloroethylene, or ketone-based solvents as they can deteriorate plastic or rubber parts.

⚠️ DO NOT spray cleaners or other solutions directly onto the keypad or display.

⚠️ DO NOT attempt to clean the card readers. Doing so may void the warranty. Please contact your Infinite Peripherals representative or certified service center to service the Infinea BluePad device.

WARRANTY

Infinite Peripherals (IPC) does not warrant, and is not responsible for, any smart phone or other device made by anyone other than IPC or approved manufacturer. If a material or workmanship defect arises with regard to any IPC product, and a valid claim is received within the Warranty Period, IPC (at IPC's sole discretion) will:

(1) Repair the Infinea BluePad product using new or refurbished parts, or

(2) Replace the Infinea BluePad product with a new or refurbished Infinea BluePad product.

For purposes of this limited warranty, "refurbished" means a product or part that has been substantially returned to its original specifications. In the event of a defect, these are your exclusive remedies.

DISCLAIMER

NO WARRANTY. This technical documentation is provided AS-IS. Further, the documentation does not represent a commitment on the part of Infinite Peripherals, Inc., and does not warrant that it is accurate, complete or error free. Any use of the technical documentation is at the risk of the user. Infinite Peripherals, Inc. reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult Infinite Peripherals, Inc. to determine whether any such changes have been made. Infinite Peripherals, Inc. shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from the furnishing, performance, or use of this material. Infinite Peripherals, Inc. does not assume any product liability arising out of, or in connection with, the application or use of any product or application described herein.

PRODUCT RETURNS AND SERVICING

Vist our online support center at *http://ipcmobile.com/support/rma-support.html.* Use the link provided to create an account and gain access to our Knowledge Base and online support services. Through our online support center, you'll be able to download files, open a Support Ticket, manage your RMAs, view your account Profile and subscribe to Alerts.

To Request an RMA

1. Create a user account in the RMA Support Portal at *http://ipcmobile.com/support/rma-support. html.*

2. Login to your user account and click on the the "Open a New RMA" option.

3. Read the instructions provided and complete the online request form.

4. Note the assigned RMA number and write it clearly on your shipping carton.

5. Ship your equipment back to us at the address provided.

SYMBOLS FOR USE

Symbol	Definition
[book with i]	Consult Instructions for Use
[factory]	Manufacturer
[factory]	Manufacture Date
[triangle with !]	Caution
SN	Serial Number
P/N	Part Number
[crossed-out bin]	Waste Electrical and Electric Equipment
CE	Mark of conformity to European Union Directives
FC	Complies with part 15 of the FCC rules.

FEDERAL COMMUNICATIONS COMMISSION

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.