

## **Personal Digital Assistant (PDA)**

# **IT4301**



Version 1.0

April/ 30/ 2017



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# **Charpt 1. Revision History**

Date	Change Description	Version
2017/04/30	First release	V1.0

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## **Charpt 2. About this manual**

Thank you for purchasing the Bitatek product. This manual explains how to install, operate and maintain our product. No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, such as photocopying, recording, or information storage and retrieval systems, without permission in writing from the manufacturer. The material in this manual is subject to change without notice.



## **Charpt 3. Overview**

## 3.1. Specification

Processor	Qualcomm APQ8052 A53 octa core : 1.5GHz			
	quad core and 1.2GHz quad core			
Memory	eMCP, 16GB eMMC Flash ROM plus 2GB			
	LPDDR3 RAM			
Display and	4.3", Color TFT WVGA			
<b>Touch Panel</b>	Capacitive type 5 points multi-touch touch			
	panel with Gorilla Glass			
	Sunlight-readable display			
	Support finger, glove and stylus			
<b>Expansion Slot</b>	One user accessible micro SD Memory slot			
	with SDHC compliance and software image			
	upgrade features			
	One user accessible Micro SIM slot			
	Micro USB (B type) support USB 2.0 OTG			
	and USB charge			
	Cradle connector support USB 2.0 and DC			
	power input.			
	power input.			
Wireless PAN	power input. Bluetooth 4.1 LE			
Wireless PAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are			
Wireless PAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile.			
Wireless PAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP			
Wireless PAN Wireless LAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and			
Wireless PAN Wireless LAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE			
Wireless PAN Wireless LAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2			
Wireless PAN Wireless LAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only)			
Wireless PAN Wireless LAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only)			
Wireless PAN Wireless LAN Wireless WAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only) Penta Band LTE: 800/900/1800/2100/2600			
Wireless PAN Wireless LAN Wireless WAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only) Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMEE (WGDMA) 200/1200/2100 MW			
Wireless PAN Wireless LAN Wireless WAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only) Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; EDD Band (8,2,1); Dual Band			
Wireless PAN Wireless LAN Wireless WAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only) Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz			
Wireless PAN Wireless LAN Wireless WAN	power input. Bluetooth 4.1 LE Support profile : HID, A2DP, OPP, are supported on Android and Win10 Mobile. Support profile:SPP 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz Compliant with WEP, WPA and IEEE 802.11i WPA2 Fast roaming under 100ms.(android only) Enterprise security. (android only) Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz			



NFC	ISO14443-4 (Type A, Type B), ISO15693		
	Mifare, Felica(ISO/IEC18092)		
Power Adapter	100~240Vac, 50/60Hz Input		
	5V,2.0A / 9V, 2.0A output		
Camera	Rear camera: 8.0M pixels CMOS color camera		
	with autofocus		
	LED flash light with torch		
	Ability for superior photography at a dark		
	place		
Audio and Voice	One speaker		
	One receiver and dual noise-cancelling		
	microphones		
	3.5mm DIA stereo headset jack with MIC In.		
Sensor	Accelerometer, Light sensor, Proximity sensor		
	Gyroscope, E-compass		
Battery	Main Battery: 3.7V, 2300mAH Li-Ion smart		
	battery pack		
	Large Battery: 3.7V, 4600mAH Li-ion smart		
	battery pack		
	One rechargeable RTC backup battery		
	One rechargeable backup battery for battery		
	swap		
Indicator	One 3-color (green/red/Yellow) LED for Logo		
	One 2- color (green/red) LED for charger		
	One 2- color (green/red) LED for information		
	indicator		
	One vibrator for scan or ring in indication		
	Audio tone indication		
Scanner	Support 1D & 2D Scanner (Option)		
Keypad and	Hard key button (with back light)		
Buttons	12-key numeric $(1-0/\#/*)$ & Front-Key		
	Side Key (Scan Key / volume key)		
D' ' I	Power key		
Dimension and	Dimensions: $4.5^{\circ}$ : 1/5 X /1.8 X 19.5 mm		
weight	(Estimation) Weight: 250g (Estimation)		
C . C	weight: 250g (Estimation)		
Software	Android 6.0		
User	<ul> <li>Operation Temperature: -20~60°C</li> <li>Storage Temperature: -20, 70°C</li> </ul>		
	- Stolage reinperature30~/0 C		

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Environment	<ul> <li>Humidity: 10%~90% non-condensing</li> <li>Sealing: IP65 Standard</li> </ul>	
	<ul> <li>Drop: 1.5m MIL-STD 810G</li> </ul>	
	• Tumble: 0.5m tumbles for 300 cycles and	
	600 drops	
	• ESD: +/-8KV direct discharge, +/-15KV air	
	discharge	

## 3.2. Package

NO	Description	Q'ty
1	IT4301 Handheld computer	1
2	Battery	1
3	Hand strip	1
4	Quick guide	1
5	USB cable	1
6	Adapter	1

## 3.3. Getting Start

#### 3.3.1. Front, Site & Keypad View

Front View





1	Logo and Indicator	2	Android Function Key Area
	Area		(Back, Home, Menu key)

Site View





1	Ear Phone Connect	5	Volume Down
2	<b>Power Button</b>	6	Scan Button
3	Scan Button	7	USB Connecter
4	Volume Up		

#### Keypad View



1	Enter	8	Esc
2	Back Space	9	Tab
3	→ Key	10	Orange change
4	↓ Key	11	Blue change



5	Scan Key	12	* Key
6	↑ Key	13	# Key
7	← Key		Alphanumeric Key

White	White +Orange	With +Blue	
Key	Key	Key	
0	Space	F10	
1	@?!	F1	
2	A B C	F2	
3	DEF	F3	
4	G H I	F4	
5	JKL	F5	
6	M N O	F6	
7	PQRS	F7	
8	T U V	F8	
9	W X Y Z	F9	
#	+ , .		
*	-		

## 3.3.1. Back, Top & Bottom View

Back View





1	Battery Pin	5	Hand Strap hook
2	SIM Card Slot	6	Speaker
3	Micro SD Card Slot	7	Flash LED
4	<b>Battery Cover lock</b>	8	Camera
	Switch		

Top View



1 Scan Window



#### Bottom View



1 Cradle IO connect

#### 3.3.2. Battery Installation

To install the battery pack, follow the steps below:

1. Move the hand strap from the hand hook, or lose the hand strap from the sticky.





2. Pry and push the battery cover switch to open, and remove Battery Cover from top.





3. Insert the battery pack, and Battery Cover



4. Pry and push the battery cover switch to close





## 3.3.3. SIM Card/SD card Installation





Picture 1

To install the SIM card / Memory card, follow the steps below:

1. Remove the battery cover and battery pack (see **Battery** 

**Installation**, step 1 & 2)

- 2. Insert the SD card to the left slot(please see the picture 1
- 3. Insert the SIM card to the right slot(please see the picture 1)
- 4. Insert the battery pack and battery cover
- 5. Pry and push the battery cover switch to close

#### 3.3.4. Charging the battery

Before you turn on and start using this device, it is recommended that you charge the battery.

If the battery has been discharged for several days, you may need to charge for several minutes before powering it on.

Use only the adapter and the USB cable that came with this device to charge the battery. When the battery power is too low, make sure to use the power adapter or put into the dock to charge, not the USB cable connection with your computer.

Charge with USB: (diagrammatical picture)





Charge with Dock : (diagrammatical picture)



#### 3.3.5. Switch the power on or off

#### Switch Power On

Press the **POWER** button until Frey Master screen start. Like as

Follow Figure 1 and Figure 2.





Figure 1

Figure 2

When you turn on Frey Master for the first time, you can put the app on the desktop, then press **Ok** button



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#### Switch Power Off

- 1. If the display is off, press the **POWER** button to turn it back on.
- 2. Press and hold the **POWER** button for a few seconds.
- 3. Tap **Power off** on the options menu.



Item	Description
Ċ	The system will shut down.
×	Enable Airplane mode of settings.
	The system will shut down and reboot system.



Ň	Set the <b>Ringtone &amp; notifications</b> item of volumes Setting to Sound OFF.
	Set the <b>Ringtone &amp; notifications</b> item of volumes Setting to Vibrator.
<b>Ļ</b>	Set the <b>Ringtone &amp; notifications</b> item of volumes Setting to Sound ON.
Ŋ	The System will shut down and all data will be keeped.

## 3.3.6. Transferring file between Frey Master

#### and Computer

You can transfer your media / file from or to your computer. The host side system please use Windows 7 or upper.

- Connect Frey Master to your computer. Your computer will recognize it is USB charging.
- Then slide from top and system will show as follow picture, then you can select File transfers item.





Use USB for	Description				
Charging	For charging when you connect with PC host.				
	If your OS of PC host is Windows XP, only this item be				
	selected and you can't select other items.				
File Transfers	For file transfer when you connect with PC host.				
	You can find all folder of storage device (IT4301) on				
	your PC host site.				
Photo Transfer	For file transfer when you connect with PC host.				
(PTP)	You can find DCIM folder of storage device (IT4301)				
	on your PC host site.				
MIDI	For file transfer when you connect with PC host.				
	You can find some folder of storage device (IT4301) on				
	your PC host site.				



 $\diamond$  You can see a internal Storage as follow and the file folder.





- You maybe need download the Google sync device manager software on your computer. You can set it up to automatically get music, photos, and videos file of Frey Master to your computer.
- Please disable check box of USB debugging on the Developer
   options item of android Setting when you want transfer file from
   computer to Frey Master.







## **Charpt 4.Installation & Operation**

On the home screen when you start up.





You can use a finger to slid left or right to change to another app screen. The system has five app screens include home screen. You can management the APP icon on those app screens. BitaTek

## 4.1. Barcode

### 4.1.1. Scanner Setting



Select **Barcode** Item to go to set up barcode parameter.

	*	: 💎 🖹 🛢 9:27				∦ ։ 🕈 🔍 է	9:27
Setti	Settings Q			÷	Barcode		
-	Users			Norma	Settings		
<b>(</b> 1)	Tap & pay			Scann	er settings		
				Good	read		
	Barcode		<u>\</u>	Forma	itting		
Personal			Wedge				
•	Location			Symbo	ology Settings		
ê	Security			Global Enable	<mark>Settings</mark> e all symbologie	es	
8	Accounts			Enable	all supported syn	nbologies	

Select **Symbology Settings** item that you can change the detail setting of all symbologies. Every setting of symbology is different.

The supported symbologies please reference 6.6 Barcode support information.



🕸 🖬 🗰 🗱 🖹 6:50		* マ 🖹 🛢 9:24
Symbology Settings	Codabar	
Australia Post	Enable	
Aztec Code	Lindoit	
Codabar	Length 1 1	
Code 128	Length 2	
Code 39	50	
Code 93	Length control Range	
Data Matrix		
Discrete 2 of 5	Enable Checksum	
Ean-13	Send Start/Stop	
Ean-8	Convert to CLSI	

Select **Wedge** item that enable intent wedge / keyboard wedge.

You can enable /disable intent wedge item, then to enable / disable the other settings of intent wedge.



Select **Formatting** item that you can set up prefix /suffix.

You can enable/disable code ID, or set up separator character of data format when you scan a barcode.



E 🦘 ■ 🔹 🕈 ● ĭ Formatting	6:52
Label prefix None	
Label suffix None	
Group Separator replacement [GS]	
Remove non-printable characters	
Non-printable char to readable word	
Code ID format None	

Select Scanner Settings item that you can set up of Scanner

engine behave.



Select Good Read item that you can enable / disable vibrator and other settings about Good read behavior.





## 4.1.2. Scan Demo





Press **Trigger** button or Scan Key and aim to a barcode, it will display the content of barcode after decode complete.

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Press **Back** Button to quite this App.



# 4.2. Wireless & Networks

Please tap **to** go to Setting of Android

Select Wireless & Networks item.

You can enable/ disable Wi-Fi and Bluetooth settings.



Settings							
Wireless & networks							
▼ Wi-Fi							
*	Bluetooth						
0	Data usage						
	··· More						
Device	3						
Ф	Display						
	Sound & notification						

#### 4.2.1. Wi-Fi

To use Wi-Fi, you need access to a wireless access point or "hotspot".

- ♦ Tap the Wi-Fi tile to turn Wi-Fi on.
- $\diamond$  Tap the Wi-Fi to see a list of detected wireless networks.
- $\diamond$  Tap a Wi-Fi network you want to connect to.
- If you selected a secured network, enter the network key or password.
- Tap connect. You'll see the Wi-Fi icon in the status bar when connected.
- ☆ Tap and hold a Wi-Fi network that you already connected, then you can select Forget network to disconnect or select modify



**network** to reenter the network key or password.

If the wireless network that you want is not listed, tap + to manually add it.

When enabled, the Wi-Fi icon is displayed on the status bar.

If you insert 3G SIM card into Frey Master, the icon is displayed on the status bar.

#### 4.2.2. Bluetooth

- $\diamond$  Tap the Bluetooth tile to turn Bluetooth on.
- $\diamond$  Tap the Bluetooth to see a list of available devices.



✤ If you don't see your headset listed, tap SEARCH FOR

**DEVICE** to refresh the list.



- Tap the name of your headset in the Available Devices section.
   Frey Master pairs with the headset and the headset connection status is displayed in the Paired Devices section.
- If prompted to enter a passcode, try 0000 or 1234, or consult the headset documentation to find the passcode.

When the Bluetooth headset is connected, you'll see in the status bar.

Normally, you can easily reconnect your headset by switching on Bluetooth on Frey Master, and then turning on the headset.

However, you might have to connect manually if your headset has been used with another Bluetooth device..

When enabled, the Bluetooth icon  $\checkmark$  is displayed in the status bar.

#### 4.2.3. Airplane mode

Two ways to enable / disable Airplane

One is select the **Airplane** Item when you press **Power** button until the message windows display. The other one is select more item of Android settings.



<b>•</b> 🤋 I	⊾ 🦘 🖩 🛛 🕌 7:02		■ 10:49
Settir	ngs	Q	
Wireles	s & networks		< More
•	Wi-Fi		Airplane mode
*	Bluetooth		NFC Allow data exchange when the phone touches another device
0	Data usage		Android Beam Unavailable because NFC is turned off
	More		Tethering & portable hotspot
Device			VPN
¢	Display		Cellular networks
۰	Sound & notification		Mobile plan

When you enable Airplane (Flight) mode, all wireless radios on Frey Master are turned off, including the call function, data services, Bluetooth, and Wi-Fi.

When you disable Airplane mode, the call function is turned back on and the previous state of Bluetooth and Wi-Fi is restored.

You can manually turn Bluetooth and Wi-Fi back on after enabling Airplane mode.

Do any of the following to turn Airplane mode on or off:

- ♦ Press and hold **POWER** button, and then tap Airplane mode.
- With finger, swipe down from the status bar to open the Quick Settings panel. Tap the Airplane mode tile to turn airplane mode on or off.

When enabled, the Airplane mode icon **k** is displayed on the status bar.



## 4.2.4. NFC

With built-in NFC (near field communication) on Frey Master, you can share content to another NFC capable mobile device in an instant.

Beam webpages, photos, contact information, and more by holding Frey Master and the other device back to back.

Turning NFC on or off

- Go to Settings, and then under Wireless & networks, tap
  More....
- > Tap **NFC** check box to Enable / disable NFC function
- If enable / disable NFC check box, it will also enable / disable
   Android Beam too.





- Make sure that both devices are unlocked and have NFC turned on.
   If the other device has an Android Beam option, make sure it is also turned on.
- 2. Make sure that the NFC area (shaded part) of Frey Master and the other phone's NFC area are close to one another. Experiment by slightly moving the phones until a connection is made.
- 3. Tap the screen.

The shared content appears on the other screen. For some items that you've shared (such as contact information), additional instructions on how to save the item will appear on the receiving device.



Share your data connection with other devices by turning Frey Master into a Wi-Fi hotspot.

Please tap 🔯 to go to Setting of Android

- 1. Open the Settings app
- 2. Under Wireless & Networks, tap More.
- 3. Tap Tethering & portable hotspot
- 4. Tap portable Wi-Fi hotspot

The first time you want turn on the Wi-Fi hotspot, you'll need to set it up

- 5. Enter a hotspot name or use the default.
- 6. Enter a password or use the default.
- Tap the Portable Wi-Fi Hotspot check box to enable switch to turn it on.





When enabled, the Hotspot icon is displayed in the left side of status bar.

# 4.2.6. Sharing Frey Master internet connect by USB

If internet connection not available for your computer, you can use the data connection of Frey Master to connect to the Internet.

Please tap I to go to Setting of Android

- 1. Open the Settings app
- 2. Under Wireless & Networks, tap More.
- 3. Tap **USB tethering** check box



Connect Frey Master to your computer using the provided USB cable.

### 4.2.7. Sharing Frey Master internet connect

## by Bluetooth

Please tap to go to Setting of Android

- 1. Open the Settings app
- 2. Under Wireless & Networks, tap More.
- 3. Tap **Bluetooth tethering** check box

Connect Frey Master to your computer using Bluetooth.

## 4.3. Backup & Reset

Please tap it to go to Setting of Android,

You can reset to factory default when you select **Factory data reset** item, it will erase all include enterprise folder







You can reset to factory default when you select **Network Setting reset** item, it will erase all RF data.





You'll see the missed call icon  $\stackrel{\scriptstyle{\leftarrow}}{\leftarrow}$  in the status bar when you miss a phone come in.

## 4.5. People

The People app lists all contacts you've stored on Frey Master and

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from online accounts you're logged in to. Use the People app to easily

manage communications with people that matter to you.

Please tap **to** start People App



please tap to Add new People. Then input more information. Then tap to save.





## 4.6. Message

There is a limit on the number of characters for a single text message, the default value is 500.

Please tap it to start Message App



	•	🔻 🖹 🗎 3:27
🔛 Mes	saging	
	No conversations	
E,	Q	:

Please tap is to Add new Message, then input the phone number of the people that you want send to. And write the content of message.

And press  $\triangleright$  to start send.

					e			3:28
:)	New	' me	ssa	ge				:
то								
	Т	уре	mes	sage				
q <sup>1</sup> V	v <sup>2</sup> e	3 3	4	t y	، ۱	7 1 i	i <sup>®</sup> c	» p
а	S	d	f	g	h	j	k	I
<b></b>	z	х	С	V	b	n	m	×
?123	,							



## 4.7. Email

The Mail app is where you read, send, and organize email messages from one or more email accounts that you've set up on Frey Master. Before use Email, you must set the mail account first.

Please make sure the WiFi is Ok, when you set the mail account.

Please tap **Please tap** to start Email app

If you use Mail app first time, please contact your MIS people to help to set the Mail account if you need.



After set up your mail account complete

		3:58					
Account setup							
Incoming se settings	rver						
USERNAME wesley@bitatek.con	USERNAME wesley@bitatek.com.tw						
PASSWORD							
SERVER							
bitatek.com.tw		_					
< PREVIOUS	NEXT	>					









#### Camera Settings















#### Video Settings

Press to do advance setting.





## 4.9. Calendar

Please tap **Element** to start Calendar App

Use the Calendar app to view your events, meetings, and appointments. If you've signed into your online Google mail

accounts, related events will also appear in Calendar.

Please tap  $\checkmark$ , and then choose a calendar view display mode.





## 4.10.Calculator



Please tap Calculator to start Calculator App

The Calculator App have two panels.

You can press Menu Button or slid screen to right /left to change

panel between Basic and advance panel.

Basic Panel as follow





#### Press and slide to left to Advance Panel





## 4.11.File Manager

Please tap is to start File Manager App. You can open /copy/

move/delete file or folder.



Press the fold name than you can do another actions.



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			🛛 🗋 4:33	
≡	Ŧ	0	<	
	All			
	Image			
	Video			_
	Audio			
	Document			
	Арр			
			٩	

🖬 🔳 🖹 🗮 4:33		
≡ ₫ 0		
Actions		
Properties	Refresh	
New folder	New file	
Select all	Deselect all	
Add to bookmar	Add shortcut	
Set as home		
	CANCEL	
:	Q	





<b>. </b>			📓 🗎 4:33
≡	= 1	0	<
	All		
	Image		
Þ	Video		
	Audio		
D	Document		
	Арр		
:			٩

<b>.</b>				🖹 🗎 5:21
≡	Ŧ	1	0	κ.
	All	lcons		0
	Image	Simple		$\bigcirc$
Þ	Video	Details		۲
	Audio			
	Docum	ent		
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You can press some Widget tools and add the widget tools to the home Screen or other application screen.

#### Handy Terminal User Guide



## **Charpt 5. Appendix**

## 5.1. Regulatory

This device 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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation.

## **5.2. Battery Notes**

It is important to consider temperature when the battery pack is charging. Charging is most efficient at normal room temperature or in a slightly cooler environment. It is essential that batteries are charged within the stated range of  $0^{\circ}$ C to  $40^{\circ}$ C. Charging batteries outside of the specified range could damage the batteries and shorten their life cycle.



- To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
- 2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.

## 5.3. Storage and safety notice

Although charged batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens, they will require recharging prior to use. Batteries may be stored at temperatures between -20°C to 60°C, however they may deplete more rapidly at higher temperatures. It is recommended to store batteries at room temperature.



# 5.4. Product Operation and

# **Storage Notice**

The Bitatek product has applicable operation and storage temperature conditions. Please follow the limitation of suggested temperature conditions to avoid failure, damage or malfunction.

# 5.5. Adapter Notes

- Please do not leave the power adapter in the socket when it is not connected to your bitatek product for charging.
- 2. Please remove the power adapter when the battery is fully recharged.
- 3. The bundled power adapter that comes with your Bitatek product is not meant to be used outdoors. An adapter exposed to water or rain, or a very humid environment can cause damage to both the adapter and the product.
- Please only use the bundled power adapter or same specification of adapter to charge your Bitatek product. Using the wrong power adapter can damage your Bitatek product.



# 5.6. Support Barcode information

The following bar code types are supported and can be

individually enabled or disabled:

1D Symbologies	2D Symbologies
UPC/EAN	PDF417
ISSN EAN	MicroPDF417
Code 128	Data Matrix
Code 39	Aztec
Code 32	Maxicode
Code 93	QR Code
Interleaved 2 of 5	MicroQR
Discrete 2 of 5	
Codabar	
MSI	
Matrix 2 of 5	
GS1 DataBar	
US Postnet	
US Planet	
UK Postal	
Japan Postal	
Australian Postal	
Netherlands KIX Code	
USPS 4CB/One	
Code/Intelligent Mail	