

# **User's Guide**

printWiFi™ Portable Mobile Printing Controller

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Thank you for purchasing printWiFi Mobile Printing Controller

### Features:

- · Print to local USB printers
- · No printer drivers to install
- User selects printer from multiple connected printers.
- Full printer feature functionality
- · Rechargeable Li-ion battery with over 2 hours of printing
- LED Battery Indicator
- Easy USB Charging

# What's Included

## printWiFi Controller



# printWiFi Charging Cable





printWiFi Quick Start Guide printView™ Free Download iTunes App Store & Play Store

# **Important Safety Instructions**

- Water and Moisture printWiFi should not be used near water. For example: near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a wet basement.
- 2. **Objects and Liquid Entry** Care should be taken so that external objects do not fall into and liquids are not spilled onto any openings located on the product.
- 3. **Heat** printWiFi should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
- 4. **Damage Requiring Service** printWiFi should be serviced by qualified service personnel when:
- A. objects have fallen into or liquid has been spilled onto the enclosure.
- B. printWiFi has been exposed to rain.
- C. printWiFi has been dropped or the enclosure is damaged.
- D. printWiFi exhibits a marked change in performance or does not operate normally.
- 5. Servicing The user should not attempt to service printWiFi beyond those methods described in the user's manual. Opening or removing covers will expose you to dangerous voltage and other hazards. Service methods not covered in the user's manual should be referred to qualified service personnel.
- 6. **Safety Check** Upon completion of any service or repair to printWiFi, ask the service technician to perform safety checks to determine that the product is in proper working condition.
- 7. **Battery** This device contains a rechargeable Lithium Polymer battery. Please do not attempt to replace the battery yourself. The battery may only be replaced by our authorized service centers.

# Getting to Know printWiFi Printer Controller™

Printer Connects via USB Printer Port using the supplied printWiFi Printer Cable.

USB connection Charges Mobile Device when printWiFi is connected to Mobile Device

AC Adapter

via USB or WiFi

Mobile Devices Connect

Charge printWiFi Battery
via printWiFi Micro USB using
Mobile Device AC Adapter

Micro USB connection to Desktop or Laptop charges printWiFi Battery and shares printer

Note: Charge printWiFi at least 4 hours before initial use

Power Switch & LED Tri-Color LED displays battery charge level

- Green Full
- Amber < 50%
- Red < 10%

Press & Hold Power Switch 10 Seconds for Reset

# Getting to Know The printView App printView App (IOS and Android devices)

The printWiFi is designed to work hand-in-hand with the feature rich printView app.

#### **Download & Install**

For iOS devices you will download the app from the App Store onto your device and for Android devices you will download the app from the Play Store onto your device. Your device must be connected to the Internet to download the free printView app.

For iOS Devices (iPhone, iPad, iPod Touch, etc) use the Apple App Store.

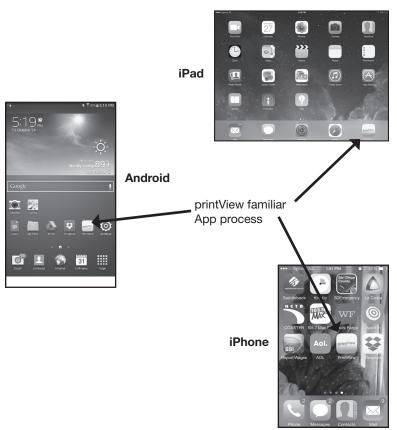
- Turn on your iPhone/iPad/iPod Touch and navigate to the App Store.
- Tap the "Search" icon at the bottom of your screen and search for "printView".
- Open the printView app page and tap the "Free" button in the upper right side of the screen.
- Tap "Install" and enter your App Store password to begin download and installation.

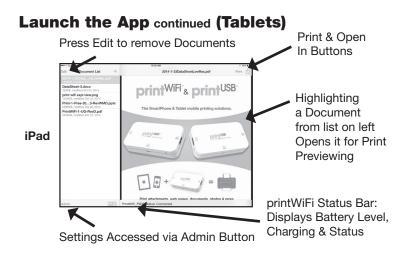
For Android Device use the Play Store.

- Turn on your Android device and navigate to the Play Store.
- Tap the "Search" icon at the top of your screen and search for "printView".
- Open the printView app page and tap the "Free" button in the upper right side of the screen.
- Tap "Install" and enter your Play Store password if prompted to and begin download and installation.

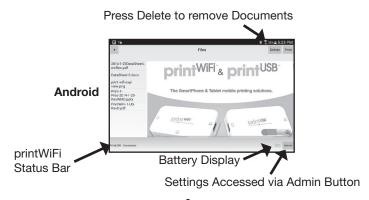
# **Launch the App**

Once the printView app is installed, navigate to the app on your device.





Android is similar to an iPad with slight variations as shown below.



# Launch the App continued (Phones)

Opening a document in the printView App on a Android phone is similar to an iPhone. Smaller screen sizes on phones require the document list and the documents to be on seperate screens.

# Press Edit to remove Documents Highlighting a Document 2014-1-23Da...tLowRes.pdf Opens it for Print Previewing DataSheet-3.docx print wifi expl view.png Print-1-Pres-...evWMD.pptx **iPhone** PrintWiFi-1-UG-RevD.pdf (Android Phone Similar) 014-1-23DataSheet... Print rintWiFi\_F9D6 Status: Connected Adn orintWiFi<sup>®</sup> printUSB printWiFi Status Bar: Displays Battery Level, Charging & Status PrintWiFi F9D6 Status: Connected

# **Operational Instructions**

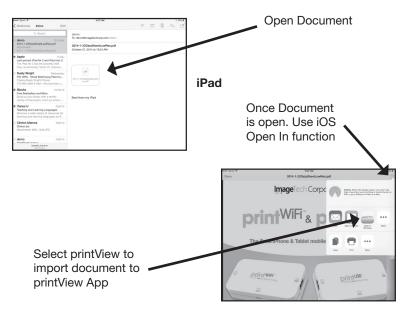
Printing with printWiFi - Simple Three Step Process:

1. Select: Document or Image - Open In the printView App

2. Connect: Mobile Device - printWiFi - Printer3. Print: Print with full printer functionality

## Step 1: Select - Document & Open in printView

Select and Open Document (example shows document being received via Email)



Note: Additional Document Import Options defined on pages 21-23

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Select and Open Document (example shows document being received via Email)



Note: Additional Document Import Options defined on pages 21-23

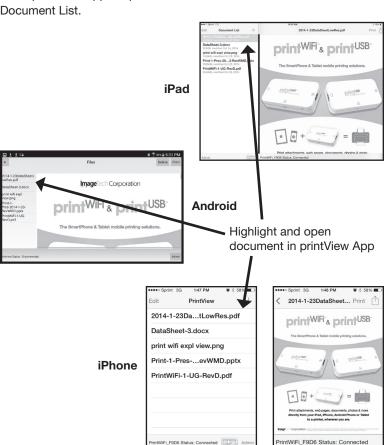
in printView

Print-1-Pres-2014-1-23-RevA.pptx

Printer Connection Image.png
MicroUSB.jpg

# Step 1: Select - Document & Open in printView

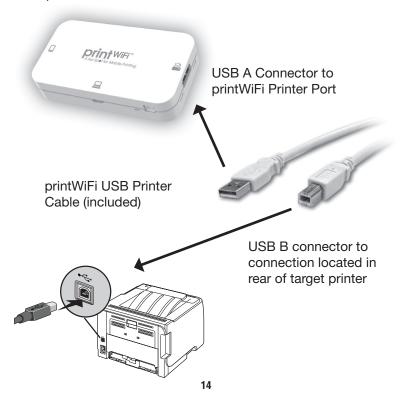
Once printView App is open select desired document from the Document List.



# Step 2A: Connect – printWiFi to USB Printer

Connect printer to printWiFi using supplied USB printer cable.

Note: The LED will blink showing the printer is being installed. The first time each printer model is installed it will take 30 to 40 Seconds. The printWiFi keeps a list of most used printers and each subsequent time those printers are connected will take less than 10 seconds.



# Step 2B: Connect Mobile Device to printWiFi Mobile Device may be connected to printWiFi via a

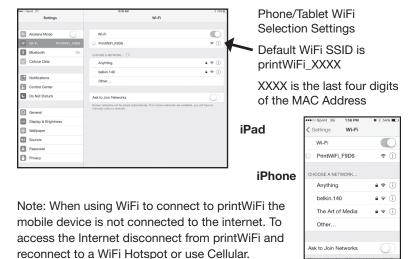
Direct WiFi connection

or

USB charging cable

#### **Connect Phone or Tablet via WiFi**

- 1. Power the printWiFi on.
- 2. Navigate to the WiFi menu on your mobile device.
- 3. Turn on WiFi and begin searching for available networks.
- Select "printWiFi\_XXXX" from the list of results, and your device will begin to connect.
- 5. Close the Settings page and open the printView App. The status bar on the bottom of the page will show WiFi connection status.



# Step 2B: Connect Mobile Device to printWiFi

# Using A USB Cable



# Step 3: Print

Once the document is open, select "Print" in the upper right corner of the printView App (as shown on page 8). The Print Monitor Page will then appear, as shown below.



iPad



**Android** 

**iPhone** 



# **Step 3A:** Select Printer Options

Printer Options page is displayed when an Automated Printer Match is made (if an automated Match is not made see 3C)

Select Desired Options

When completed press "Print"

Enter number of Copies & Pages or Page Range

Select Quality, Paper Tray & Type of Media



Proceed to Step 3B Page 19

# Step 3B: Printing Status Page will display printing status

print will explore any provided the second pro

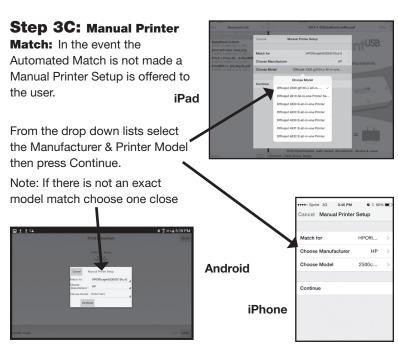
iPad



**Android** 

iPhone





If the 1st Manual Match selected doesn't print correctly the process may be repeated by selecting the Manual Print process on the Print Options Page.

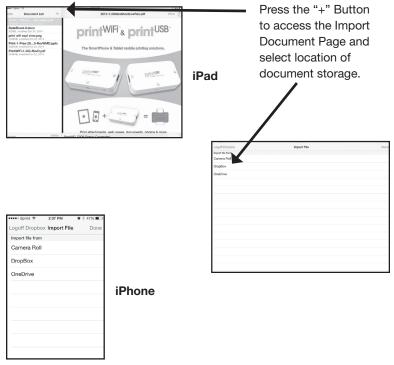
Note: Access to change an existing Printer Description requires Admin Password entry (default Admin Password is admin)

Then Repeat Steps 3A and 3B until a functioning Printer Description is identified or all potential Descriptions have been tried.

Note Supported Printers are listed on the PrintWiFi and PrintUSB Support Website: http://www.imagetechcorp.com/support.html.

# **Document Import Options iPad and iPhone**

printView allows importing of documents from the Camera Roll and Cloud Storage locations such as: DropBox, One Drive and Google Drive.



On iPad and iPhone documents can always be imported using the iOS "Open In" function.

# **Document Import Options continued**



Camera Roll Example

**iPad** 

To select the Camera Roll scroll to the desired image and double click to import it into printView.

To select the Dropbox, Log In with your DropBox account and open list of DropBox files and double click on the file to import.



**Dropbox Example** 

On iPad and iPhone documents can always be imported using iOS "Open In" function.

## **Document Import Options continued**

printView allows importing of document from Camera Roll and Cloud Storage locations such as: DropBox, One Drive and Google Drive.



### **Android**







# **Settings**

Password Access Screen:

The "Admin" button opens the Settings Password Access Screen. The default password is "admin".

The "Admin" page provides WiFi Settings, Software/Firmware Updates and ability to reset the "Admin" password.



iPad



**Android** 





# **Settings**

A successful Log In provides access to the "Settings Page" A USB connection is required for access to all settings as displayed below.



iPad



Android





# **WiFi Settings:** Allows configuration of Network Name (SSID), Security, Password and Timeout Settings.



iPad



Android

iPhone



## **Reset Admin Password**

To reset the "Admin" password, you must have your mobile device connected to the printWiFi via the USB charging cable. The default

password is "admin"







## **Android**

Android



# **Software/Firmware Update:**

Your mobile device must be connected to the printWiFi via the USB charging cable and be connected to the internet via WiFi or Cellular.

The "Software/Firmware Update" button checks the existing firmware and will function only when an update is available.



iPad



**Android** 

iPhone



# **Software/Firmware Update:** continued

DO NOT POWER OFF OR DISCONNECT THE PRINTWIFI AND YOUR MOBILE DEVICE DURING THE FIRMWARE UPDATE.



iPad

# **Software/Firmware Update:** continued

Upon completion a Success Page is displayed

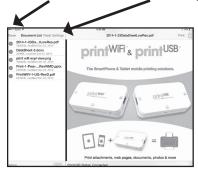


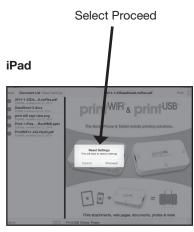
iPad

# **Reset To Factory Default Settings**

This is only available when a mobile device is connected to the printWi-Fi via a USB Charging Cable.

Select "Edit" then the "Reset Settings" button appears.



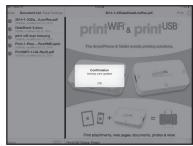




**iPhone** 

# **Reset To Factory Default Settings continued**

Upon Completion a Successful Completion Page is displayed.



iPad



**iPhone** 

# printWiFi Power Switch:

The printWiFi power switch can be pressed for 1 second to turn the printWiFi on or off anytime except during the startup process. After pressing the Power Switch to turn on the printWiFi, it should be allowed to finish the 35 second startup process before attempting to press the power switch again. Interrupting the boot process can cause an abnormal state and should be avoided.

Reset the printWiFi by pressing the Power Switch for 10 seconds. A reset is not required during normal product operation. However, a Reset can be performed after a firmware upgrade or in the rare case of an abnormal state.

# printWiFi Charging:

Connect the printWiFi Micro USB Cable to an USB AC Adapter. The printWiFi battery requires a minimum of 4 hours to charge with nothing else connected to it. A fully charged battery will provide approx. 1 hour of printing and retain the charge for up to 3 weeks in Power OFF mode. Power save feature turns the unit off after 10 minutes of inactivity when running on battery.

Note: A mobile device may be charged when the printWiFi is charging by connecting the mobile device (phone or tablet) to the printWiFi Mobile Device USB connector. When a mobile device is being charged through the printWiFi, a full charge time for both devices may require 12 hours or longer. Note: Tablet screens should be off to facilitate a faster charge.

# printWiFi LED Indicators:

printWiFi uses the LED to display multiple functions including: Battery Level, Startup Process Activity and Alerts.

Battery Level LED indications as table shows below:

Color	Charge	Approx. Print Time
Green	50% to 100%	@ 100% - 1* Hours
Amber	10% to 50%	@ 50% - 30* Minutes
Red	< 10%	@ 10% - 5* Minutes

Note\*: Variations based on Mobile Devices using USB & WiFi vs. WiFi Only, age and charge level of battery.

Startup Process Indicators: The LED will blink for a portion of the 35 second startup process then turn a solid color based on the Battery Level. Activity Indicator: LED also blinks during the printing process and initial connection of devices (phones, tablets and printers).

## **Error / Alert Indicator:**

printWiFi uses the LED to display Battery, CPU Thermal Overload and USB Overload Alerts by generating a Flashing Red LED. An Alert message will be sent to the connected mobile device. See page 35 for details.

# **Troubleshooting**

printWiFi Troubleshooting					
Symptom	Cause	Corrective Action			
No LED Indicators after pressing the power switch	Low Battery	Plug the Micro USB charging into the printWiFi and an AC adapter into a wall outlet. The printWiFi LED should turn "Red", indicating it is charging			
	Low Battery	Verify the wall outlet that the AC adapter is plugged into is not controlled by wall switch and if it is, confirm the wall switch is turned on			
	Low Battery	Check printWiFi charging cable with another Micro USB Device to verify it is working			
	Low Battery	In case the problem still exists, see warranty information on page 25 to obtain service			
LED lights up, then goes off	Low Battery	Plug the Micro USB charging into the printWiFi and an AC adapter into a wall outlet. The printWiFi LED should turn "Red", indicating it is charging			
	Low Battery	Verify the wall outlet that the AC adapter is plugged into is not controlled by wall switch and if it is, confirm the wall switch is turned on			
	Low Battery	Check the printWiFi charging cable with another Micro USB Device to verify it is working			
	Low Battery	Plug the Micro USB charging into the printWiFi and an AC adapter into a wall outlet. Press and Hold the power switch for 10 seconds to "Reset" the printWiFi			
	Low Battery	In case the problem still exists, see warranty information on page 25 to obtain service			
Led lights up and printWiFi boots but cannot connect to the printView App	WiFi Not Connected	Check Mobile device WiFi setting connected to printWiFi-XXXX			
	WiFi Not Connected	Verify Correct WiFi password is being used. If not known then connect mobile device via USB, go to printWiFi Admin Settings on printWiFi to verify WiFi Password or reset.			
	Poor USB Connection	Check USB Cable with another device			
	Mobile Device /APP	Close all Apps on mobile device and restart the App			
	printWiFi Abnormal State	Press and hold the power switch for 10 seconds to "Reset" the printWiFi			
App connects to printWiFi but cannot print	Printer Connection	Ensure that the USB cable is connected to printer and the printWiFi's printer port			
	Printer Not Ready	Verify that the printer is powered on, has paper and is ready to print			
	printWiFi Abnormal State	Press and hold the power switch for 10 seconds to "Reset" the printWiFi			
	Printer Not Compatible	Verify that the printer is on printWiFi approved printer list			
Can't open document in printView App	Edit Document is selected	Press "Done" on the main page of the printView app to return to the "Document Available" state			
Can't Access Admin Settings	Incorrect Admin Password	If after all attempts to remember your password fails, use factory "Reset" function to "Reset" the "Admin" access password. The default "Admin" password is "admin"			

# **Alert Message Requires User Action:**

**USB Overload Alert-** (Message on App and LED Flashing Red)

- Disconnect USB devices. Verify nothing is shorting the connector pins on the printWiFi connector.
- 2. Check USB cable for damage and functionality with another computer.
- 3. Check another device with the cable and printWiFi.
- 4. If problem persists see warranty information on page 38 to obtain service.

## Battery Over Temp Alert-(Message on App and LED Flashing Red)

- 1. If charging, disconnect charging cable and turn off printWiFi allowing battery and system to cool for 15 to 30 minutes.
- 2. If not charging, turn off and allow system to cool for 15 to 30 minutes.
- 3. Remove any attached USB devices before turning unit on.
- Verify attached USB devices are functioning correctly as defined in USB Overload Alert.
- 5. If problem persists see warranty information on page 38 to obtain service.

## System Over Temp Alert-(Message on App and LED Flashing Red)

- 1. Follow Both USB and Battery Temp Alert Processes
- If problem persists see warranty information on page 38 to obtain service.

# **Specifications**

Processor: Freescale ARM MCIMX28

Memory: 2GB Flash, 1GB RAM

Interfaces: 2 USB A Rev. 2.0, 1 Micro USB

WiFi: 802.11b/g/n

Battery: Lithium Ion 1500mAh Dimensions: 4" x 2.2" x 0.85"

Weight: < 0.5lbs

Software Requirements

Operating Systems

- Apple iOS 7.0 or later
- Android OS 2.3X, 3.X, 4.X or higher

# **Supported File Formats**

- Excel xls, xlsx, csv
- · Word doc, docx
- PowerPoint ppt, pptx
- Document pdf, txt, html
- Image jpg, png, bmp, gif

# Compliance with FCC Regulations

#### **Contains**

FCC ID: 2AAD5-PRINTWIFI1500 IC No.: 11687A-PRINTWIFI1

#### NOTICE

Federal Communication Interference Statement (United States only)

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:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to 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

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

### FCC Rules, Part 15

This device complies with Part 15 of 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, including interference that may cause undesired operation of this device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

# Canadian Department of Communications Industry Canada Notice (Canada only)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### **Industry Canada**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of this device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement noncontrôlé et respecte les règles les radioélectriques (RF) de d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doitêtre installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

For product available in the USA/Canada market, only channels 1-11 can be operated. Selection of other channels is not possible.

Antenna: Proprietary

Antenna gain information: Embedded Antenna: 4.0dBi (2.4 GHz)

Frequency Tolerance: +/-20ppm

### **WARNING:**

The FCC / The Industry Canada regulations provide that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

THE SPECIFICATION AND EXTERNAL APPEARANCE OF THE printWiFi ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

# **Warranty Information**

ImageTech (the Company) Limited Warranty

Any repair, replacement, or warranty service, and all guestions about this product should be directed to the Company at www.myprintwifi.com. The Company warrants to the original purchaser that the product will be free from defects in material, parts and workmanship for the period designated for this product. The warranty commences the day the product is purchased and covers up to a period of one (1) year. The Company agrees that it will, at its option, replace the defective product with either a new or remanufactured printWiFi equivalent to your original purchase during the warranty period. Exclusions: This warranty does not apply to the appearance or exterior of the product which may have been damaged or defaced, altered or modified in design or construction. This warranty does not apply if the serial number is altered or removed, or if there is any damage due to power line surge, user damage to the AC power cord, connection to improper voltage source, general misuse, accidents, or repair attempts by unauthorized service agents. Other exclusions include rechargeable and non-rechargeable batteries. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CUSTOMER: THE COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THE WARRANTY.

Some states do not allow the exclusion or limitations of incidental or consequential damages, or limitations on how long the warranty lasts. In these cases the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Obtaining Service: To obtain service, product literature, supplies or accessories visit our website, www.myprintwifi.com, to request a ticket for exchange/repair. Please make sure to provide the date of purchase, model number and a brief description of the problem. Our customer service representative will contact you or send detailed return instructions.

The Company does not warrant that the printWiFi will work properly in all environmental conditions, and makes no warranty and representation, either implied or expressed, with respect to the quality, performance, merchantability, or fitness for a particular purpose other than the purpose identified within this user's manual. The Company has made every effort to ensure that this user's manual is accurate and disclaims liability for any inaccuracies or omissions that may have occurred. Information in this user's manual is subject to change without notice and does not represent a commitment on the part of the Company. The Company reserves the right to make improvements to this user's manual and/or to the products described in this user's manual at any time without notice. If you find information in this manual that is incorrect, misleading, or incomplete, please contact us through our website.