User's Guide

printUSB™

Portable Mobile Printing Controller

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Thank you for purchasing printUSB 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

printUSB Controller

printUSB Charging Cable

USB A Connector

USB Micro Connector

printUSB Printer Cable

USB A Connector

USB B Connector

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

Important Safety Instructions

1. **Water and Moisture** - printUSB 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** - printUSB 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** - printUSB should be serviced by qualified service personnel when:
A. objects have fallen into or liquid has been spilled onto the enclosure.
B. printUSB has been exposed to rain.
C. printUSB has been dropped or the enclosure is damaged.
D. printUSB exhibits a marked change in performance or does not operate normally.
5. **Servicing** - The user should not attempt to service printUSB 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 printUSB, 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 printUSB Printer Controller™

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

Mobile Devices Connect via USB or WiFi

USB connection Charges Mobile Device when printUSB is connected to Mobile Device AC Adapter

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

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

Note: Charge printUSB 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 printUSB 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.

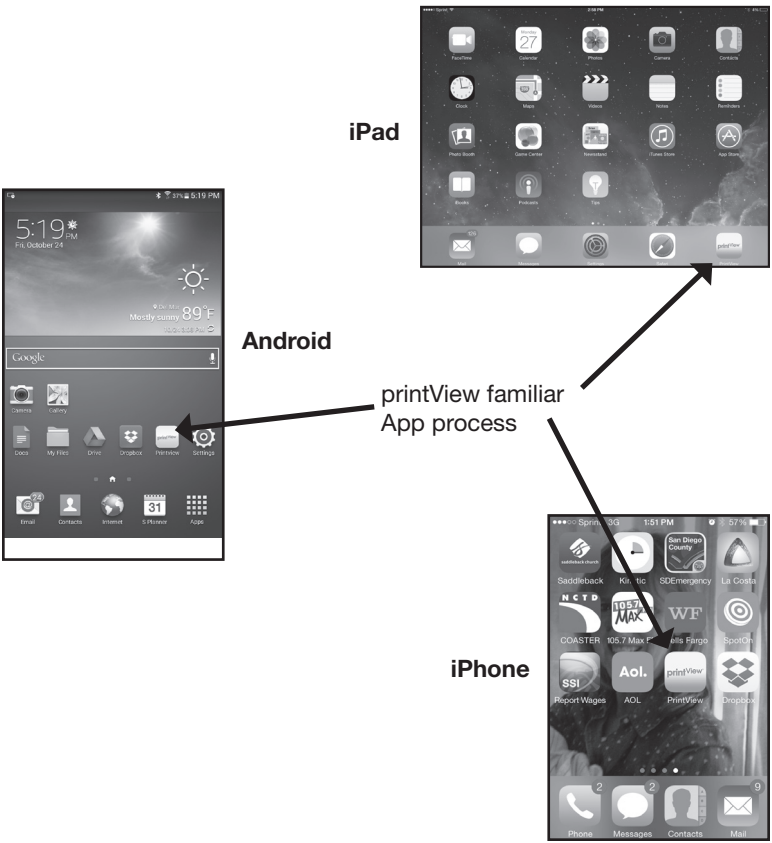
- Turn on your iPhone/iPad/iPod Touch and navigate to the App Store.
- Tap the “Search” icon at the bottom of your screen and search for “printView”.
- Open the printView app page and tap the “Free” button in the upper right side of the screen.
- Tap “Install” and enter your App Store password to begin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



Launch the App continued (Tablets)

Press Edit to remove Documents

Print & Open In Buttons

iPad

Highlighting a Document from list on left Opens it for Print Previewing

printUSB Status Bar: Displays Battery Level, Charging & Status

Settings Accessed via Admin Button

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

Press Delete to remove Documents

Android

printUSB Status Bar

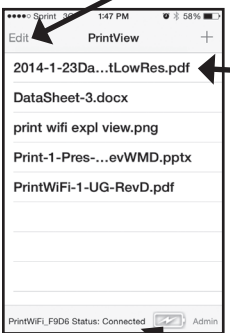
Battery Display

Settings Accessed via Admin Button

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.

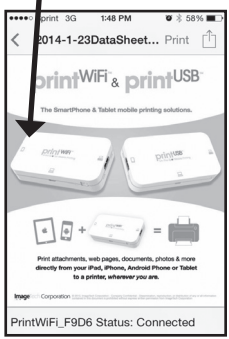
Press Edit to remove Documents



Highlighting a Document
Opens it for Print Previewing

iPhone
(Android Phone Similar)

printUSB Status Bar:
Displays Battery Level,
Charging & Status



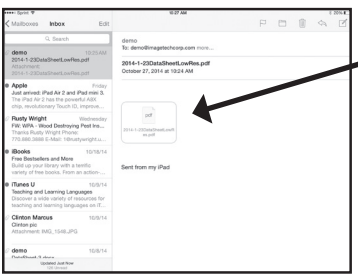
Operational Instructions

Printing with printUSB - Simple Three Step Process:

1. Select: Document or Image - Open In the printView App
2. Connect: Mobile Device - printUSB - Printer
3. Print: Print with full printer functionality

Step 1: Select - Document & Open in printView

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



Open Document

iPad

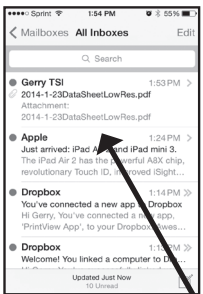
Once Document is open. Use iOS Open In function

Select printView to import document to printView App

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

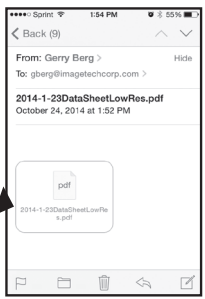
Step 1: Select - Document & Open in printView

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



iPhone

Opens Document



Once Document is open. Use iOS Open In function

Select printView to import document to printView App

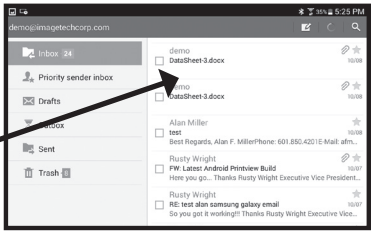
Note: Additional Document Import Option defined on pages 21-23

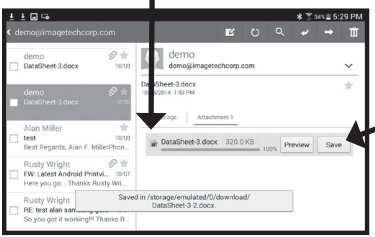
Step 1: Select - Document & Open in printView

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

Android

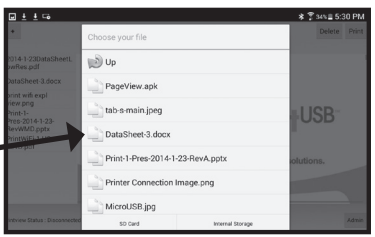
Opens an email with attached document





Save document to Android device storage

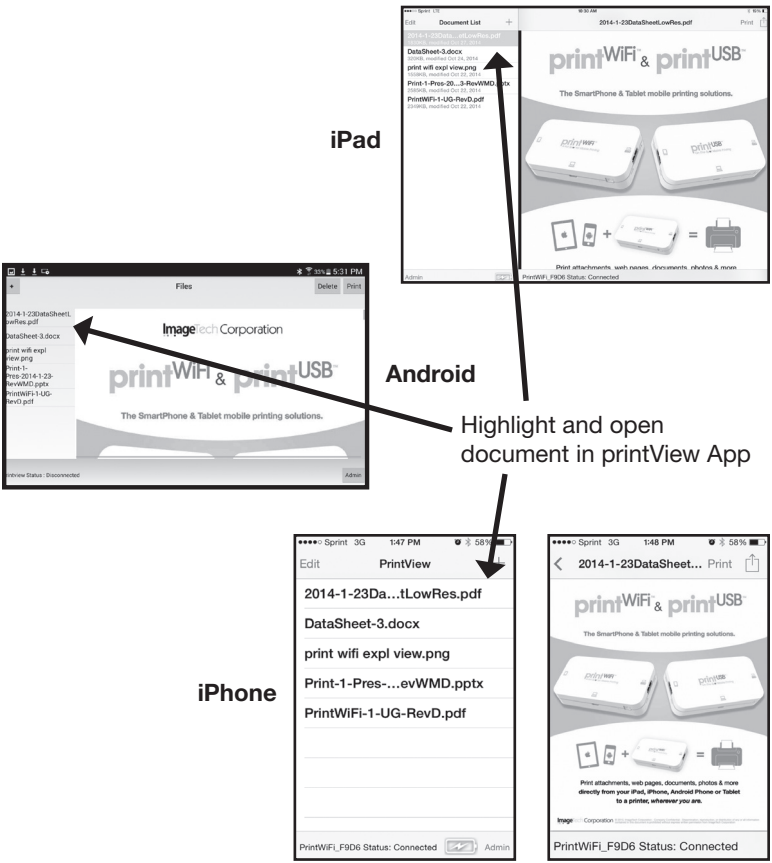
Open printView App and open document in printView



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

Step 1: Select - Document & Open in printView

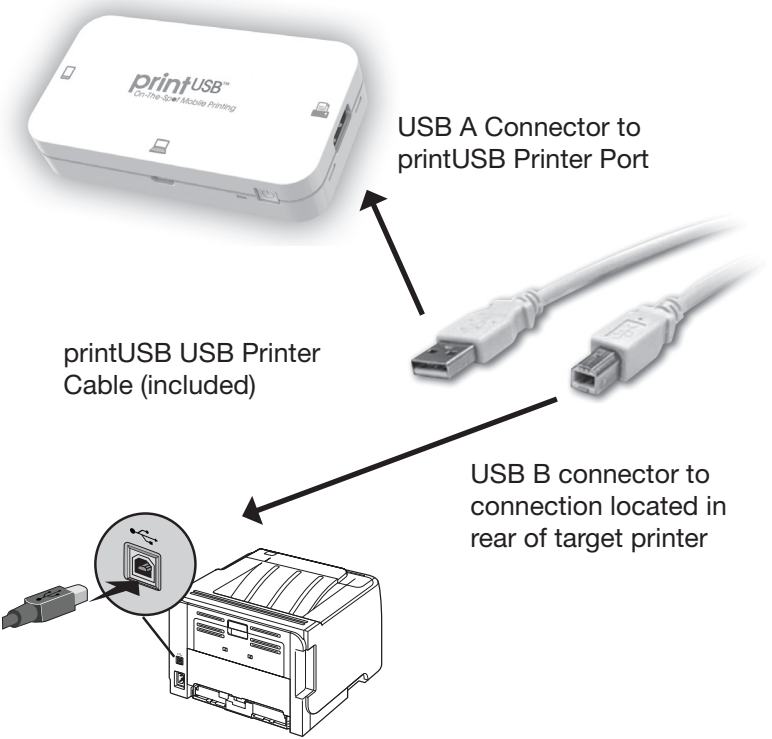
Once printView App is open select desired document from the Document List.



Step 2A: Connect – printUSB to USB Printer

Connect printer to printUSB 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 printUSB 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 printUSB

Using
A USB Cable

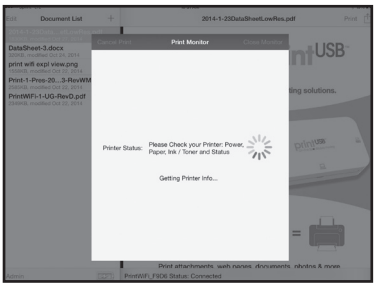
Connect the mobile device to the printUSB Mobile USB Port using the Mobile Device's USB charging cable

13

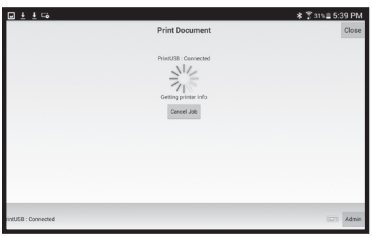
Step 3: Print

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.

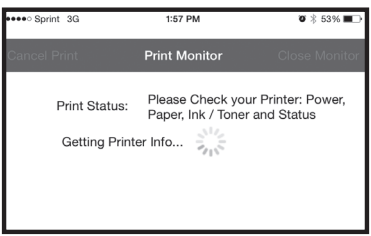
iPad



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)

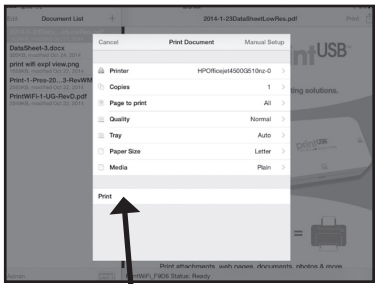
Select Desired Options

When completed press “Print”

Enter number of Copies & Pages or Page Range

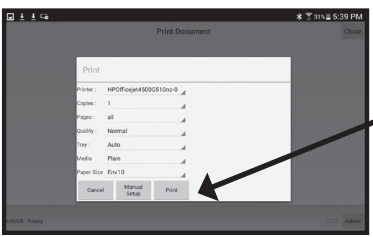
Select Quality, Paper Tray & Type of Media

iPad

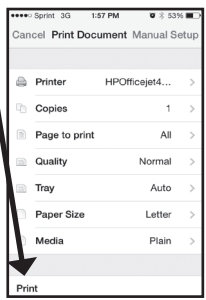


To Print - Press “Print” at the bottom of the page

Android



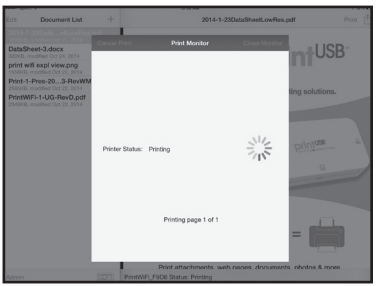
iPhone



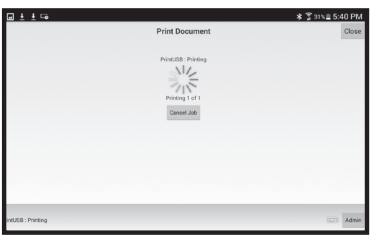
Proceed to Step 3B Page 19

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

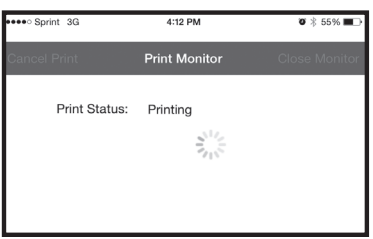
iPad



Android

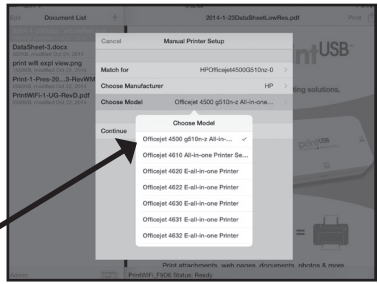


iPhone



Step 3C: Manual Printer Match:

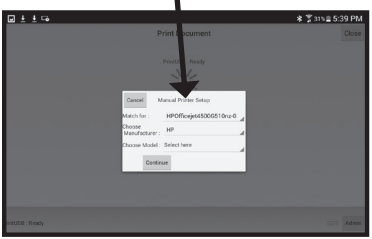
In the event the Automated Match is not made a Manual Printer Setup is offered to the user.



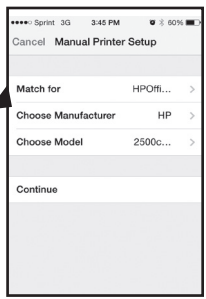
iPad

From the drop down lists select the Manufacturer & Printer Model then press Continue.

Note: If there is not an exact model match choose one close



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.

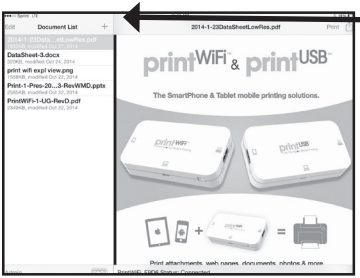
Note: Access to change an existing Printer Description requires Admin Password entry (default Admin Password is admin)

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.

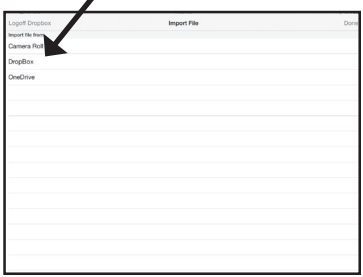
Document Import Options iPad and iPhone

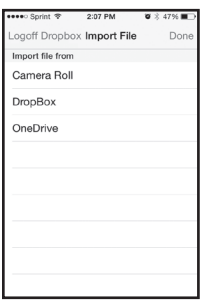
printView allows importing of documents from the Camera Roll and Cloud Storage locations such as: DropBox, One Drive and Google Drive.



iPad

Press the “+” Button to access the Import Document Page and select location of document storage.

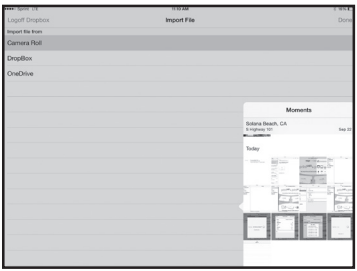




iPhone

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

Document Import Options continued

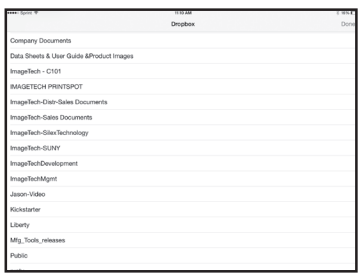


Camera Roll Example

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.

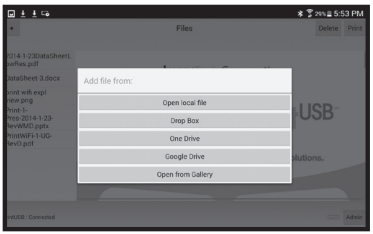


Dropbox Example

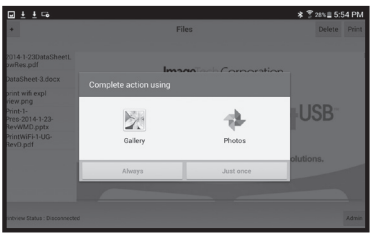
On iPad and iPhone documents can always be imported using iOS “Open In” function.

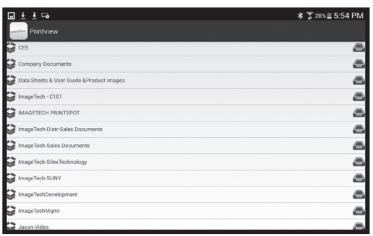
Document Import Options continued

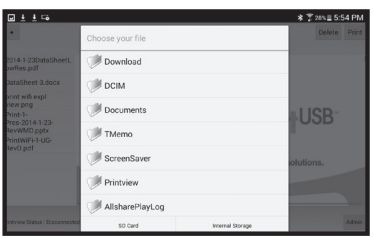
printView allows importing of document from Camera Roll and Cloud Storage locations such as: DropBox, One Drive and Google Drive.



Android







Settings

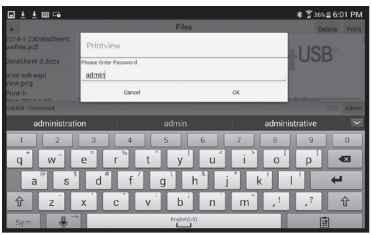
Password Access Screen:

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

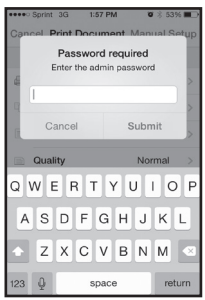
The “Admin” page provides WiFi Settings, Software/Firmware Updates and ability to reset the “Admin” password.

iPad

Android



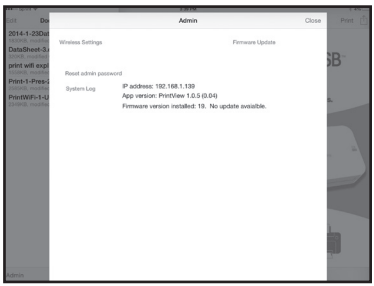
iPhone



Settings

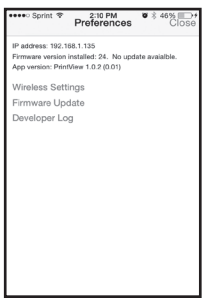
A successful Log In provides access to the “Settings Page”
A USB connection is required for access to all settings as displayed below.

iPad



Android

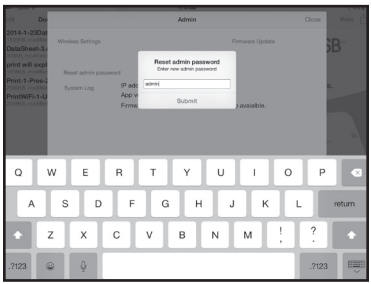
iPhone



Reset Admin Password

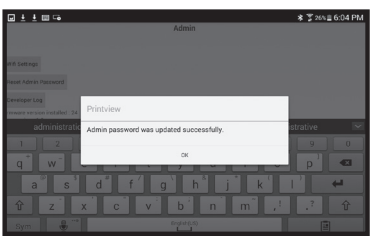
To reset the “Admin” password, you must have your mobile device connected to the printUSB via the USB charging cable. The default password is “admin”

iPad



Android

Android

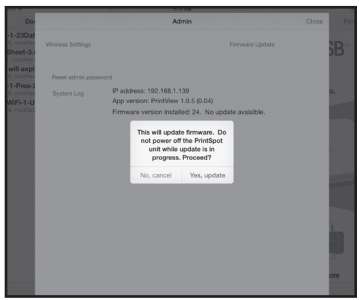


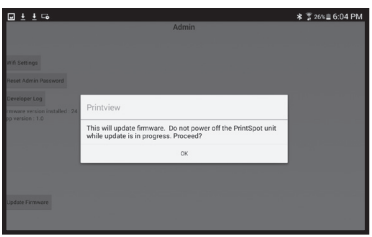
Software/Firmware Update:

Your mobile device must be connected to the printUSB 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





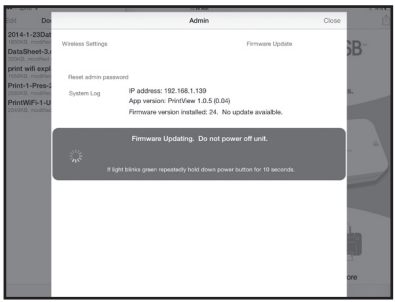
Android

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

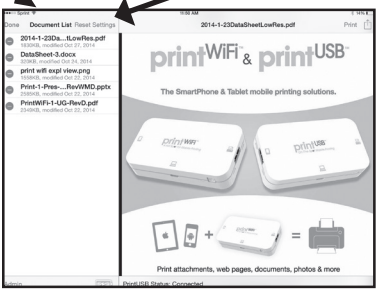
Upon completion a **Success Page** is displayed

iPad

Reset To Factory Default Settings

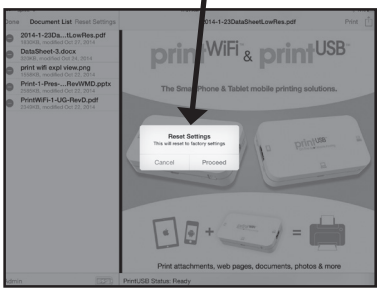
This is only available when a mobile device is connected to the printUSB via a USB Charging Cable.

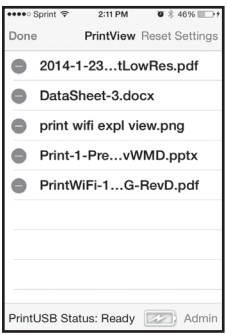
Select “Edit” then the “Reset Settings” button appears.



Select Proceed

iPad



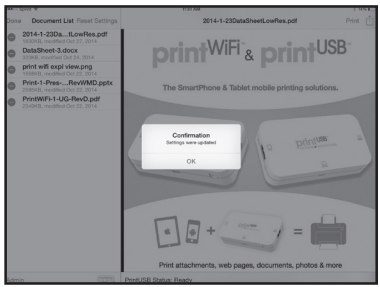


iPhone

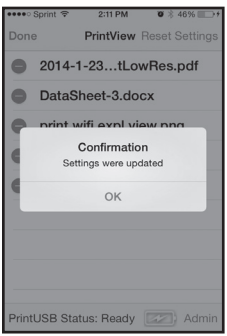
Reset To Factory Default Settings continued

Upon Completion a Successful Completion Page is displayed.

iPad



iPhone



printUSB Power Switch:

The printUSB power switch can be pressed for 1 second to turn the printUSB on or off anytime except during the startup process. After pressing the Power Switch to turn on the printUSB, 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 printUSB 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.

printUSB Charging:

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

printUSB LED Indicators:

printUSB 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, 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:

printUSB 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

PrintUSB Troubleshooting		
Symptom	**Cause**	**Corrective Action**
No LED Indicators after pressing the power switch	Low Battery	Plug the Micro USB charging into the PrintUSB and an AC adapter into a wall outlet. The PrintUSB 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 PrintUSB 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 PrintUSB and an AC adapter into a wall outlet. The PrintUSB 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 PrintUSB charging cable with another Micro USB Device to verify it is working
	Low Battery	Plug the Micro USB charging into the PrintUSB and an AC adapter into a wall outlet. Press and Hold the power switch for 10 seconds to “Reset” the PrintUSB
	Low Battery	In case the problem still exists, see warranty information on page 25 to obtain service
Led lights up and PrintUSB boots but cannot connect to the PrintView App	USB Not Connected	Check if USB cable is connected to the mobile device and connected to PrintUSB
	Poor USB Connection	Check USB Cable with another device
	Mobile Device /APP	Close all Apps on mobile device and restart the App
	PrintUSB Abnormal State	Press and hold the power switch for 10 seconds to “Reset” the PrintUSB
App connects to PrintUSB but cannot print	Printer Connection	Ensure that the USB cable is connected to printer and the PrintUSB’s printer port
	Printer Not Ready	Verify that the printer is powered on, has paper and is ready to print
	PrintUSB Abnormal State	Press and hold the power switch for 10 seconds to “Reset” the PrintUSB
	Printer Not Compatible	Verify that the printer is on PrintUSB 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)

1. Disconnect USB devices. Verify nothing is shorting the connector pins on the printUSB connector.
2. Check USB cable for damage and functionality with another computer.
3. Check another device with the cable and printUSB.
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 printUSB 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.
4. 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
2. 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

Battery: Lithium Ion 900mAh

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

The 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 which the receiver is connected.
- Consult the dealer or an experienced Radio/ television technician for assistance.

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

Warranty Information

ImageTech (the Company) Limited Warranty

Any repair, replacement, or warranty service, and all questions 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.

ImageTech Corporation