



(WPS Pro EU)

Wireless Print Server Pro

User Guide

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WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment under FCC rules.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Manufacturer:

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c/o DNP Imagingcomm America Corporation
4524 Enterprise Drive NW
Concord, NC 28027 United States



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PIPO Technology Co., Ltd. hereby declares that this Wireless Print Server is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the URL: <http://www.dnpphoto.eu/en/>

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1. Before You Begin

Use the information in this chapter to better understand this document and any standard procedures or warnings that may come with your product.

Documentation Conventions

When using this document, several text elements and treatments are repeated throughout. The following is an explanation of these symbols and headings:

Text Elements



Attention

This denotes important information concerning safety when working with the equipment. Failure to comply with an Attention statement can cause you injury or harm or cause damage to the system.



Note

This signifies convenient or useful instructions.

Text Treatments

Bold Text - Indicates items you can select, such as buttons and menu entries.

Italic Text - Indicates variable text or placeholders for information, such as user names and directory paths. When entering directory paths and so forth, the word in italics should not be typed, but should be replaced by the appropriate text. Italic text also introduces new words and is occasionally used for emphasis in text.

Monospace - Distinguishes information that is displayed on the screen, as well as the text that you should enter.

Important Safety Instructions

Safety is paramount when installing and operating the system. These safety instructions are to protect you and the customer and the overall public. The following bullet points apply to the safety instructions in this manual:

- ❖ Read all of these instructions before setting up, installing, and operating your system.
- ❖ Follow all warnings, safety precautions, and notices for all procedures in this manual.
- ❖ When in doubt, stop what you are doing and reassess the safety of the situation or procedure. Never continue with a step or procedure when there is the slightest doubt regarding safety.
- ❖ Save these instructions for future reference.

2. Introduction

What is WPS Pro EU?

Print photos wirelessly. The DNP Wireless Print Server (WPS Pro EU) allows you to print glossy and matte photos to any supported DNP printer. You can also send your prints to up to two (2) DNP printers simultaneously. Print photos from up to 30 feet away. Your WPS Pro EU wireless print server works with the following DNP printers:

- ◆ DS40
- ◆ DS80
- ◆ RX1
- ◆ RX1-HS
- ◆ DS620 (only available in designated sales regions)
- ◆ DS620A (only available in designated sales regions)
- ◆ DS820 (only available in designated sales regions)
- ◆ DS820A (only available in designated sales regions)

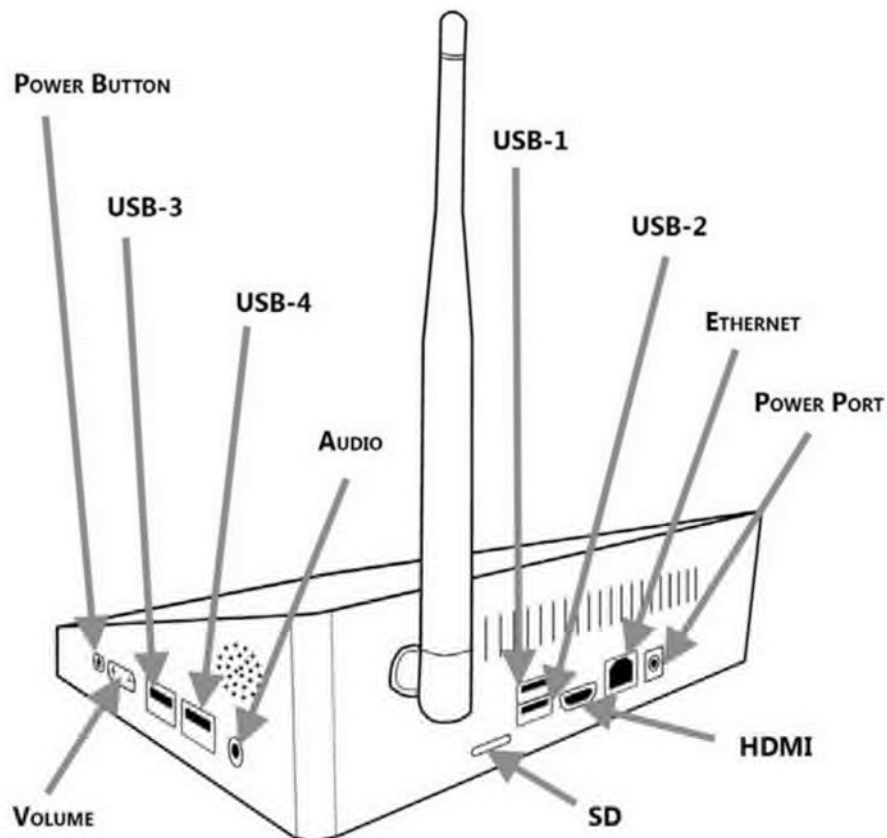


Manage your system wirelessly. Use the WPS Pro EU mobile apps to manage your network and printers while you're on- the-move. With the WPS Print 2 Application, you can print from compatible iOS or Android mobile devices. In many cases you can even print from within other photo apps by using the share functionality! Use the WPS Status app to monitor your printer media usage, check to make sure your prints were transmitted, and troubleshoot network issues. With the WPS Pro EU's new touchscreen display you can change your system configuration - such as matte vs. glossy prints, default print quantities, and border settings.

Getting to Know Your WPS Pro EU Device

Your new WPS Pro EU device is now equipped with an 8" touchscreen display and the following ports (as labeled in the below diagram):

- ◆ One (1) Power
- ◆ Four (4) USB
- ◆ One (1) micro SD card
- ◆ One (1) HDMI
- ◆ Ethernet
- ◆ Volume Control
- ◆ Power Button
- ◆ Audio



	POWER BUTTON
	USB-1
	AUDIO
	ETHERNET
	POWER PORT
	VOLUME

When hooking up your WPS Pro EU device, you are only going to use the power port and up to two (2) USB ports; if you are connecting only one printer, you are going to use only one USB port. For more information, please "Setting Up the WPS Pro EU System" on page 18.

One new feature of your new WPS Pro EU device is an 8" touchscreen display. From this display, you can see the DNP printer(s) attached to the device, how much media is left in each attached printer, any pending print jobs, and up to 5 of the last completed print jobs. You can also use the touchscreen display to access the Configuration module to change your system's configuration. To learn how to change your system's configuration settings, see "Advanced Actions" on page 85.

CAUTION:

Please never push the “reset” button inside the small hole on the rear side of the device!

This operation would delete some settings and would inevitably require the return of the device for an out-of-warranty workshop intervention.



What devices can send prints to my WPS Pro EU?

The WPS Pro EU device is compatible with the following input devices. You can connect up to five input devices at the same time, using any combination of devices as long as each device is connected wirelessly to the WPS Pro EU network.

- ♦ Windows PCs (hot folder transfer, FTP or printer driver functionality)
- ♦ Mac OS X computers (hot folder transfer, FTP or printer driver functionality)
- ♦ iOS 8 or later mobile devices (i.e. iPad/iPhone) (WPS Print mobile app or FTP)
- ♦ Android 4.4 (Kit Kat) or later devices (WPS Print mobile app or FTP)



Note

WPS FX firmware is required; refer to the product page for more details.
Other digital cameras with FTP camera-to-printer capability (FTP transfer or by use of supported third party devices like CamRanger™)

WPS Pro EU Software Applications

While some software applications, or apps, will be used daily, other apps should only be used under the direction of DNP Imagingcomm America Corporation Technical Support. The WPS Pro EU system is comprised of the following software applications, which are loaded on the WPS Pro console.



Note

Need to re-open an app? Press the Apps button on your console and select the app from the listed open applications. If the application is not listed, press the Home button, touch the top right corner of the screen, and select the app from the application menu.

- ♦ Applications for normal, daily use:
 - ❑ **WPS Status:** Monitor your WPS Pro EU system as a whole. You can view your last printed image, see what files were recently transferred for printing, view information about your printer, and keep your system running smoothly. This application must be active and displayed when you are sending prints to the system.
- ♦ Applications for troubleshooting or system maintenance:
 - ❑ **WPS Maintenance:** Used in conjunction with DNP Imagingcomm America Corporation Technical Support to troubleshoot issues with the system. Also used to reboot or power OFF your WPS Pro EU system.
 - ❑ **Update Image:** Used when the system needs to be updated to the latest software version. Only use this app when instructed to do so by DNP Imagingcomm America Corporation Technical Support.

System Requirements

WPS Pro EU supports the following:

PC	Windows 7, 8.1 or Windows 10
Mac	OS X 10.6 and later
iPhone™/iPad™	iOS 8 or later
Android™	Version 4.4 (KitKat) or later
Supported Printers	DS40
	DS80
	RX1
	RX1-HS
	DS620/DS620A
	DS820/DS820A
	DS820/DS820A
Printer Media Sizes	DS40 (any media size supported by the printer)
	DS80 (any media size supported by the printer)
	RX1 (any media size supported by the printer)
	RX1-HS (any media size supported by the printer)
	DS620/DS620A (any media size supported by the printer)
	DS820/DS820A (any media size supported by the printer)



Note

Depending on your sales region, not all media sizes may be available for your printer. See "Print Size Chart" on page 35 for more information on print sizes.

3. Installation

Your WPS Pro EU box contains your WPS Pro EU console and a power cable. Use the diagram below to find the ports you will need when using your system.

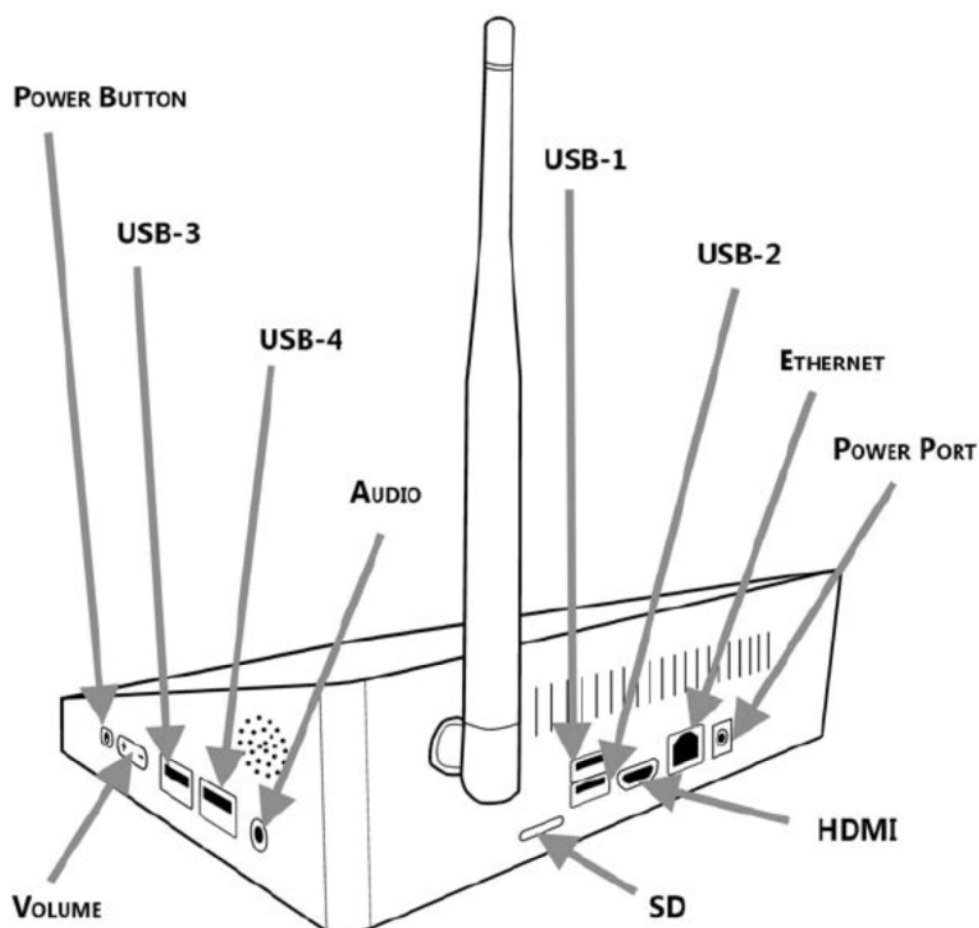


Figure 1. WPS Pro EU Back View of Ports

	POWER BUTTON
	USB-1
	AUDIO
	ETHERNET
	POWER PORT
	VOLUME

Setting Up the WPS Pro EU System



Note

Be sure you plug in and turn ON the printer before you connect to the WPS Pro EU device. When WPS Pro EU starts, it automatically configures the network for the connected printers. If you change printer connections, shut down your device and then restart it. See "Turning Off the WPS Pro EU" on page 22 to properly reboot your device.

1. Turn ON your printer(s).



Attention

If your printer(s) are NOT powered ON, they will not be detected when connected to the WPS Pro EU device.

2. Plug the power cable into a properly grounded power outlet and into the WPS Pro EU power port on the back of the device.



Figure 2. WPS Pro EU Power Port

3. Connect the printer(s) to the USB ports on the back and side of the WPS Pro EU device. If you are connecting only one (1) printer to the device, connect the printer USB cable to the top/upper USB port on the back of the device.



Figure 3. WPS Pro EU top/upper USB

WPS Pro EU can connect to two (2) DNP printers simultaneously. *You must connect to the top/upper USB port on the back of the device first.* The WPS Pro EU device can be connected to the following DNP printers: Ds40, DS80, DS620A/ DS620, DS820A/DS820, RX1, and RX1-HS.

4. Turn on the device using the Power button. Press, and hold, the Power for two (2) seconds, until the logo is displayed.

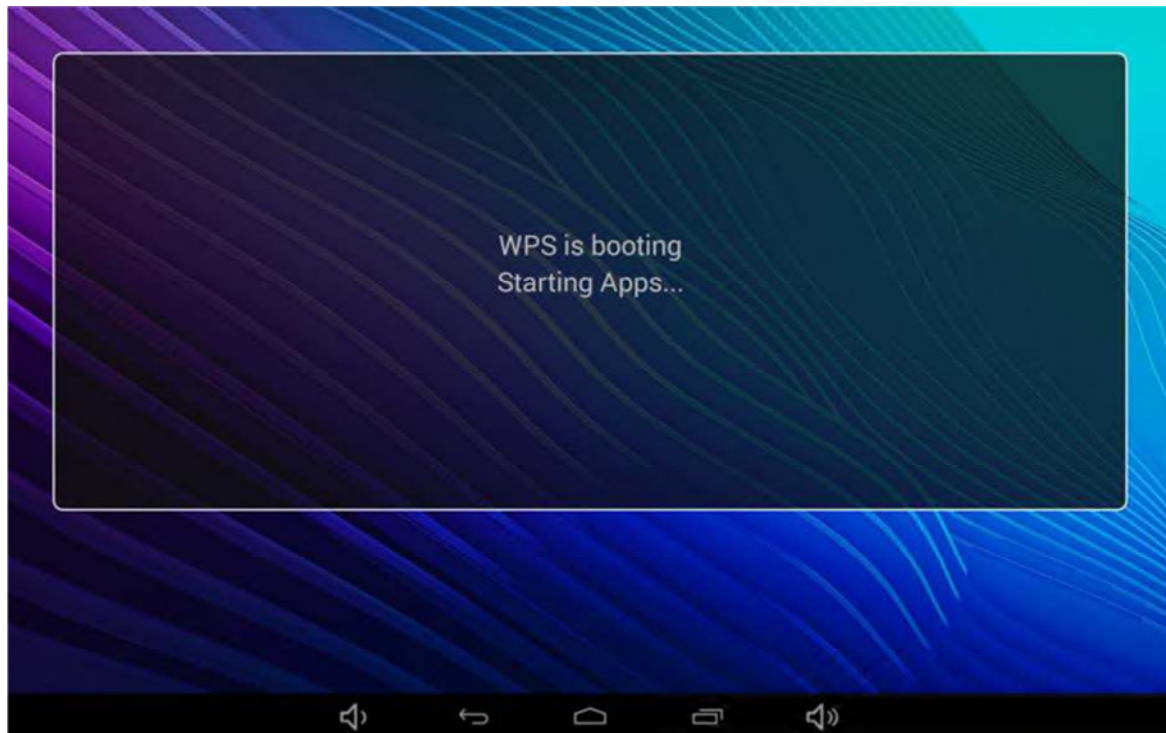


5. When the WPS Pro EU device powers ON, it automatically detects the connected printer(s) and what media is loaded in those printers. Wait three minutes before you try to connect any input devices to the WPS Pro EU network. When the WPS Pro EU powers on, the device's touchscreen display shows the booting process and the time remaining until the WPS Pro EU is ready for use.



Attention

When you start or restart the WPS Pro EU device, it takes about three (3) minutes before the device is ready for use.



6. Once the WPS Pro EU has started, the WPS Status app is displayed and a test print is automatically printed. To turn off test prints, see "Changing the Test Print Setting" on page 89.

While using your WPS Pro EU system, make sure that the WPS Status app is displayed on the console when you are ready to print.



Figure 4. WPS Status App

7. The touchscreen display shows you the type of printer(s) you have connected to the WPS Pro EU and the amount of media remaining in the connected printer(s). The touchscreen display also shows the last five (5) completed print jobs and any pending print jobs.



Connecting to the WPS Pro EU Wireless Network

The WPS Pro EU acts as its own wireless network for your input devices and printers.

1. From your computer or mobile device, connect to the WPS Pro EU Wi-Fi network.



Note

The Wi-Fi network is named **WPSxxxx**, where **xxxx** is a unique number for your device.

2. When prompted, type the following password: **DNP20153** (ALL CAPS)



Note

If you are connecting to the wireless network from a Mac or PC, use the above steps to connect using the provided network name and password.

Connecting the WPS Pro EU to an Existing Network

You can connect the WPS Pro EU to an existing home or office network using an Ethernet cable. Connect the cable to the back of your WPS Pro EU unit and to a working network port on your router or network hub. At this time, you cannot bridge the WPS Pro EU device wirelessly to an existing network.

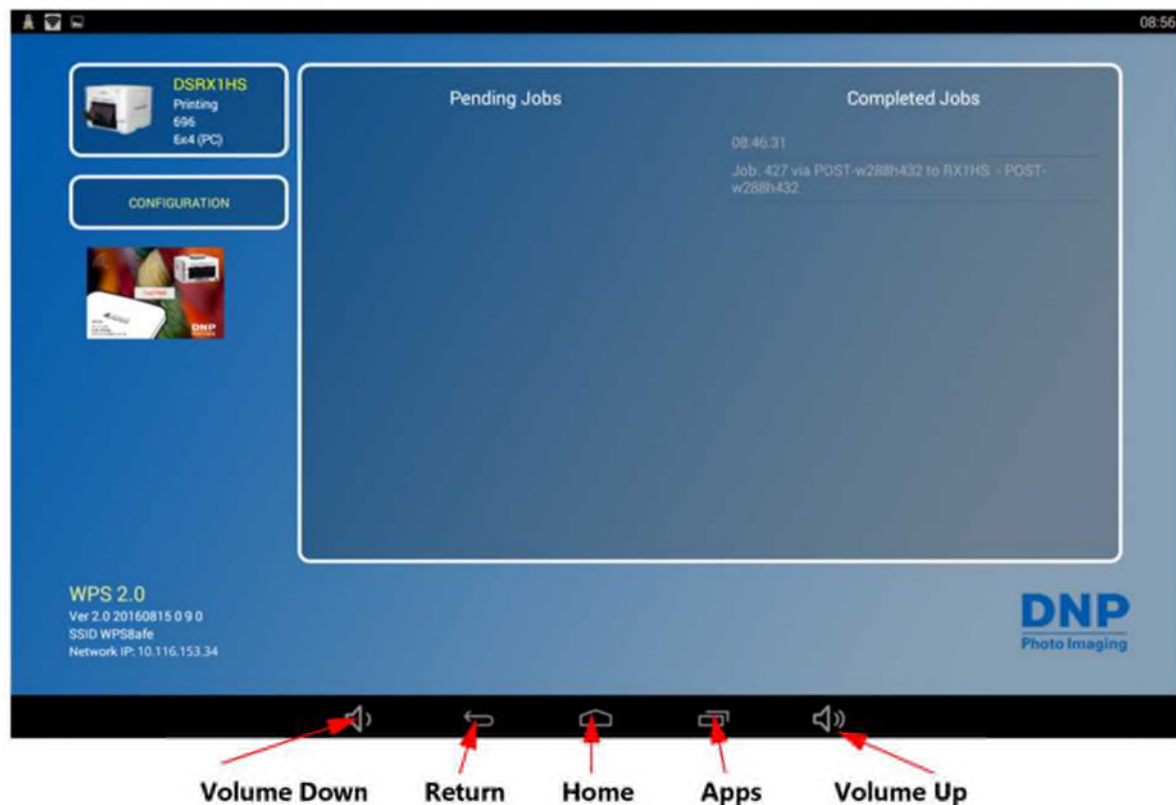
Turning Off the WPS Pro EU

There are times when you need to turn off your WPS Pro EU. For example, after you've made updates to the Configuration screen, you need to turn off the WPS Pro EU for the updates to take effect. Follow these steps to turn off your WPS Pro EU:

Note

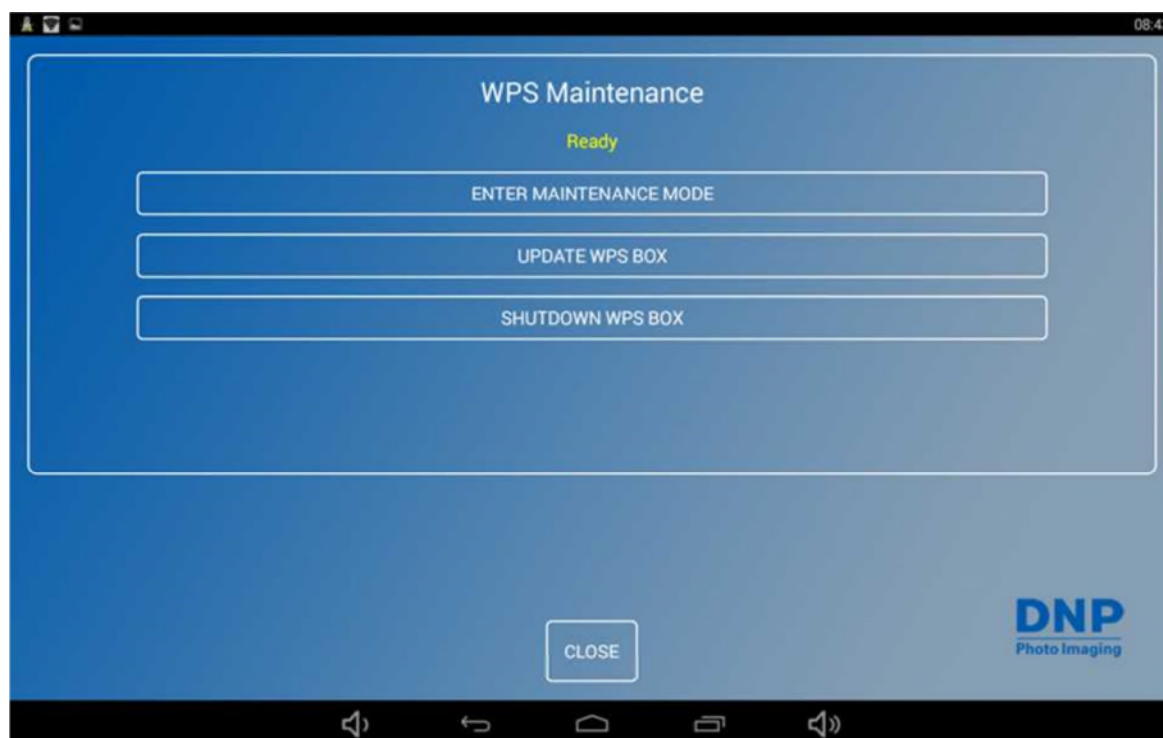
Before you shut down your WPS Pro EU device, make sure there aren't any print jobs running.

1. From the navigation menu at the bottom of the WPS Pro EU screen, touch the **Apps** icon.



	Volume Down
	Return
	Home
	Apps
	Volume Up

2. Select the **WPS Maintenance** application from the Apps screens. The maintenance screen appears.



3. Touch the **Shutdown WPS Box** option.
4. Your WPS Pro EU console will now powered OFF.

Using Android Devices for Web Transfers (Mobile Apps)

Web transfer is a transfer method used by your WPS Pro EU system. HTTP transfers use web technology to act as an interface between the WPS Pro EU network and the user. Currently, the companion app, WPS Print 2, use an HTTP interface to transfer images to the WPS Pro EU device for printing. While you can also use web services transfer on a PC or Mac computer, that method requires third party software development. If you want more information about third party software development, contact your DNP IAM sales representative.

Configuring Android Devices for Web Transfers (Mobile Apps)

The configuration for mobile apps is easy. Simply download the following apps from the Google Play or Amazon App store.

- ◆ WPS Status App
- ◆ WPS Print 2 App

Printing from Android Devices using the Share Option

Use the following procedure to print from your device. By downloading the WPS Print 2 mobile application, you can print from within any photo app that uses standard share sheet functionality.

1. If you haven't already, download the **WPS Print 2 App** to your mobile device.
2. Connect to the Wi-Fi signal created by WPS Pro EU.



Note

The signal is labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

3. When prompted, type the following password: **DNP20153** (ALL CAPS)
4. Launch the photo application. This application can be your standard camera roll (or photo gallery), a photo editing application, or a third party photo viewing application.



Attention

To use the WPS Print share feature, your photo application must use standard share sheet functionalities.

5. Select your image or images.
6. Click the Share option. 
7. Select the WPS Print 2 App from the listed share applications.
8. The WPS Print 2 App is launched. You can now print images using the WPS Print 2 App.

Printing from Android Devices using the WPS Print 2 App

The WPS Print 2 App allows you to print existing images from your device's photo gallery or photo album to the WPS Pro EU device.



Note

When using this app, the images you take are saved in an album in your photo gallery or camera roll. If you have the image archiving functionality turned ON, and a micro SD card plugged into the WPS Pro EU device, your images are also saved to the micro SD card.

1. Connect your mobile device to the Wi-Fi signal created by WPS Pro EU.

**Note**

The signal will be labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

2. When prompted, enter the password: **DNP20153**. (ALL CAPS)
3. Wait until your device shows as connected to the WPS Pro EU Wi-Fi network. This can take up to two minutes.
4. On your mobile device, open the **WPS Print 2 App**.
5. The WPS Print 2 Application is now ready to use.
6. At the WPS Print home screen, press the blue + button to open your image options.



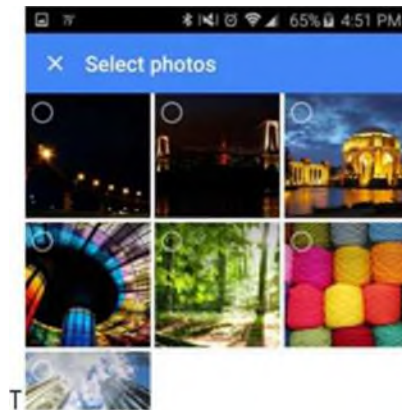
7. Select either the **Camera** or **Gallery** option from the menu.
8. To print images using your camera:
 - ◆ Once your device's default camera application opens, take your picture.
 - ◆ When you are returned to the WPS Print 2 Application, view your image. If you are ready to print, press the **Print** button. Otherwise, you can remove the images, add images from the gallery, or take more photos before printing.

- ♦ To continue, see step 10.



9. To print images using your photo gallery:

- ♦ Select the photo gallery application you want to use. If you have multiple photo applications on your phone, you may have to choose a gallery each time you load images.
- ♦ Select your image. Depending on your gallery application, you may be able to select more than one image at a time. To do this, click and hold an image until check marks appear on the images. Then select the images you want to print and press **Done** to return to the WPS Print 2 Application. Not all gallery applications allow for multiple image selection.
- ♦ When you are returned to the WPS Print 2 Application, view your image. If you are ready to print, press the **Print** button. Otherwise, you can remove the images, add images from the gallery, or take more photos before printing.



10. At any time, you can scroll through the images you have loaded using a right/left swipe motion. The navigational dots below the image allow you to see your location in the image order.

11. When you are ready, press the **Print** button to print your loaded images.
12. On the print size and quantity selection screen, select the **Photo Size** from the drop-down list. You can select any size that is allowed by your attached printer.
13. Use the **Quantity** scroll wheel to select your print quantities.
14. Press the **Print** button to print your images. Your images are transmitted wirelessly from your Android device to the WPS Pro EU. Print times can vary depending on your image size, distance from the Wi-Fi device, and signal strengths.
15. Press the arrow (←) at the top of the screen to return to the WPS Print 2 App home screen.



Using the WPS Status App to Monitor Your Network



Note

When connecting to the WPS Status app for the first time, you may notice an incorrect date. The WPS Status app will reset the time from the value on your phone or tablet. This may take up to a minute to take effect.



Upon opening the WPS Status app,

two icons are displayed: **Printer** and **Server**.



Printer Icon

Clicking the **Printer** icon allows you to view the following information regarding your attached printer(s):

- ❖ **Status:** Shows the status of the connected printer(s):
 - ♦ **Green:** Printer is in a workable state.
 - ♦ **Yellow:** Printer is low on media.
 - ♦ **Red:** Printer is extremely low on media, has an error, or a jam.



Note

The **Yellow** and **Red** warnings can be configured using the **Setup** screen of this application. See "Setup Button" on page 30.

- ❖ **Current Media:** Displays the printer/media prints remaining, media type loaded in the connected printer(s), and remaining media amount for connected printer(s).
- ❖ **Printing Type:** Displays whether images are being printed in **Matte** or **Glossy** format.
- ❖ **Firmware:** Displays the version of printer software installed on the connected printer(s).
- ❖ **Life Count:** Displays the total prints that have been produced by the connected printer(s) in the printer(s)' lifetime.
- ❖ **Color Data Version:** Displays the ICM file version your device is using.



Server Icon

Clicking on the **Server** icon allows you to view the following information:

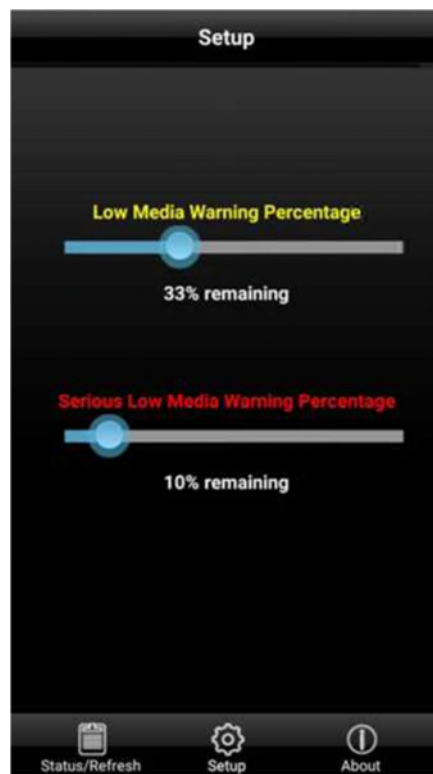
- ❖ **Software/Firmware Version:** Displays the installed WPS Pro EU firmware version. You can use this version number when you need to troubleshoot information about your system.
- ❖ **Last 5 Jobs:** Lists the name of the last 5 images printed, as well as the manner in which they were sent to the printer, i.e., FTP.
- ❖ **Submission Errors:** Displays any errors in printing your images.



Setup Button

As mentioned earlier, the **Status** screen displays whether your attached printer(s) have a high level (green light), low level (yellow light), or extremely low level (red light) of remaining media. Using the **Setup** button, you can set the threshold for when the low media warnings are displayed.

1. Click the **Setup** button.



2. Using the **Low Media Warning Percentage** slider, set the percentage at which a low media warning is triggered. If you set this at 40%, when the media left in your printer reaches 40%, the icon on the **Printer** screen will be Yellow.
3. Using the **Serious Low Media Warning Percentage** slider, set the percentage at which an extremely low media warning is triggered. If you set this at 25%, when the media left in your printer reaches 25%, the icon on the **Printer** screen will be Red.

Using Android Devices for FTP Transfers

One of the transfer methods offered by WPS Pro EU is FTP, or *File Transfer Protocol*. File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one device to another device over a TCP-based network, such as the Internet. FTP is built on a client-server architecture and uses separate control and data connections between the client and the server. FTP transfer is best used when transferring images from a mobile device to the WPS Pro EU for printing. To do this, you must have a FTP client application installed on your mobile device. Be sure your FTP client application allows for binary data transfer as that is the data type WPS Pro EU supports.

Configuring Android for FTP Transfers

You can configure mobile FTP client applications to allow you to use this transfer method from most mobile camera and photo editing applications. You can send images to print via the FTP client using the share option.

1. Download and install a FTP client application from Google Play™.



Note

Some examples of FTP client applications are: AndFTP, Auto Uploader, and Turbo Client.

2. Once installed, launch the FTP client application.



3. Enter the required information into the following fields:

- ◆ **Host:** 192.168.43.1
- ◆ **Type:** FTP
- ◆ **Port:** 21
- ◆ **Username:** photo
- ◆ **Password:** none (type the word "none")
- ◆ **Remote Dir:** / (forward slash)
- ◆ **Mode:** Active (usually in advanced settings)



Attention

If you are prompted to enter a transfer option, select **Binary**.
If you select **ASCII**, your images will not print correctly.

4. Click **Save** to save your settings.
5. If you have not already, connect to the WPS Pro EU Wi-Fi network.
6. Return to the FTP client application, and click the **Login** button to connect to WPS Pro EU.



Note

If the login was successful, a dialog box is displayed, confirming the connection.

7. Once you connect to WPS Pro EU, you can now print your images wirelessly. Please note that WPS Pro EU only prints JPEG and PNG file formats.

Printing from Android Devices Using FTP Transfer

Use the following steps to print images from your Android phone/tablet.

1. Select your WPS Pro EU device from the Settings icon. This is located in the Wi-Fi portion of the Settings screen.



Note

The signal is labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

2. Launch the FTP client application.
3. Launch the photo gallery application for your device. Sometimes the photo gallery is also called the "camera roll" or "photo album."
4. Select the photo you wish to print, and click the **Share** button. 
5. Select your FTP client app from the list of share options.
6. Depending on your FTP client app, you may have to confirm the FTP address and other relevant information before you can send your image.
7. Your photos are sent from your Android device to WPS Pro EU and are printed.

Printing Errors

If you have issues when printing images, an error sheet will print. This sheet gives you information on which image did not print so you can try to reprint the image.

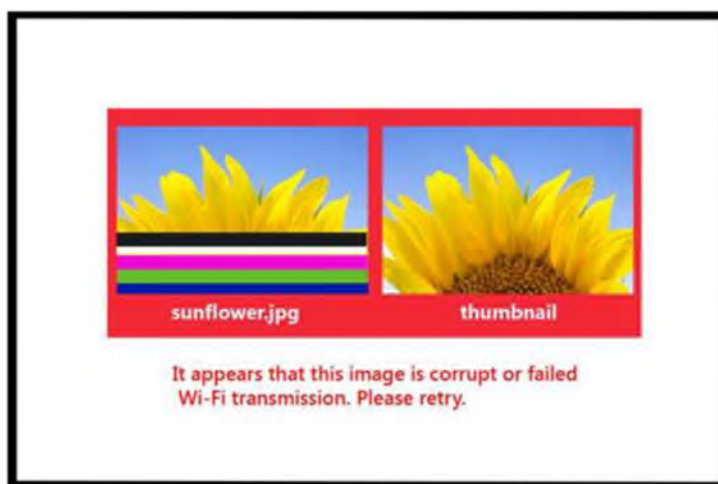


Figure 6. Example error sheet

	It appears that this image is corrupt or failed Wi-Fi transmission
	Please retry

8. If you receive this error, try to reprint the image. If the image doesn't print the second time, verify your network connections, then try again.



Note

WPS Pro EU has been built for JPEG and PNG files with an RGB color space. Make sure your images are in one of these formats before sending them to the WPS Pro EU for printing.

Print Size Chart

Use the table below to determine the size of media you need for your printer.



Note

If you use the half panel printing option, only half of your available ribbon will be used. Costs will be higher as the other half panel is not used.

Media Size	Description	Configuration Notes	DS40	DS620/DS620A	RX1	DS80/DS80DX	DS820/DS820A	WPS Pro EU Printer Queue Name
3.5x5	3.5x5	◆	√*					3.5x5
4x6	two 2x6 cut strip	2 strip	√	√	√			2x2x6s
	4x6	◆	√	√	√			4x6
5x7	3.5x5	½ panel	√	√	√*			3.5x5
	two 3.5x5 cut	2 strip	√**	√				3.5x5s
	5x5 square	square		√				5x5sq
	5x7	◆	√	√	√*			5x7
6x8	two 2x6 cut strip	2 strip	√	√	√			2x6x2s
	4x6	½ panel	√	√	√			4x6
	two 4x6 cut strip	2 strip	√	√	√			2x4x6s
	four 2x6 cut strip	4 strip	√	√	√			2x6x4s
	6x6 square	square		√				6x6sq
	6x8	◆	√	√	√			6x8
6x9	two 2x6 cut strip	2 strip	√*	√*				2x6x2s
	4x6	½ panel	√*	√*				4x6
	two 4x6 cut strip	2 strip	√*	√*				2x4x6s
	four 2x6 cut strip	4 strip	√*	√*				2x6x4s
	6x6 square	square		√*				6x6sq
	4.5x6	½ panel		√*				4.5x6
	two 4.5x6 cut strip	2 strip		√*				4.5x6s

Media Size	Description	Configuration Notes	DS40	DS620/ DS620A	RX1	DS80/ DS80DX	DS820/ DS820A	WPS Pro EU Printer Queue Name
6x9	6x8	cut at 8"	✓*					6x8
	6x9	◆	✓*	✓				6x9
8x10	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	5x8	½ panel				✓	✓	5x8
	2 5x8 cut strip	2 strip				✓	✓	5x8x2s
	6x8	½ panel				✓	✓	6x8
	8x8 square	square				✓	✓	8x8sq
	8x10	◆				✓	✓	8x10
	8x12	◆				✓	✓	8x12
8x12	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	three 4x8 cut strips	3 strip					✓	4x8x3s
	5x8	½ panel				✓	✓	5x8
	two 5x8 cut strip	2 strip				✓	✓	5x8x2s
	6x8	½ panel				✓	✓	6x8
	two 6x8 cut strip	2 strip				✓	✓	6x8x2s
	8x8 square	square				✓	✓	8x8sq
	8x10	cut at 10"				✓	✓	8x10
	8x12	◆				✓	✓	8x12

✓ Print size is available for that printer

◆ Default setting.

* Print size may not be available in all sales regions. Contact your sales representative for more information.

** Firmware v1.5 or greater



Note

You can have two (2) printers connected to WPS Pro EU simultaneously. The media loaded must be the same, i.e., two printers that both have 4"6" media loaded. See "Changing the Print Pooling Settings" on page 96 for more information.

5. Using Apple Mobile iOS Devices with WPS Pro EU

This chapter discusses how to use your Apple mobile devices to print using the WPS Pro EU network. Be sure to follow the installation steps at "Setting Up the WPS Pro EU System" on page 18 before continuing.

There are two transfer methods you can use to print from your Apple device to the WPS Pro EU network - web transfer or FTP transfer.

1. **Using Apple Devices for Web Transfers (Mobile Apps).** Currently, web services requires the use of a WPS companion app. Use the WPS Print 2 App to print photos. Use the WPS Status app to monitor your media usage and system status.
2. **Using Apple Mobile iOS Devices for FTP Transfers.** FTP transfers allow you to print through the WPS Pro EU network using your favorite camera and photo editing applications on your mobile device. WPS Pro EU supports printing from Wi-Fi enabled iOS mobile devices (i.e., smartphones and tablets) using a FTP client application.

WPS Pro EU also allows you to connect five (5) input/transfer devices simultaneously. Your input/transfer device(s) can be a maximum of 30 feet away from WPS Pro EU and still send the print job successfully, although ranges vary depending on network traffic.

Before you begin printing, check your WPS Pro EU console and make sure the WPS Status app is running. In order to process the images it receives, the WPS Pro EU console must have the WPS Status app open and active.



Using Apple Devices for Web Transfers (Mobile Apps)

Web transfer is a transfer method used by your WPS Pro EU system. HTTP transfers use web technology to act as an interface between the WPS Pro EU network and the user. Currently, the companion app, WPS Print 2, use an HTTP interface to transfer images to the WPS Pro EU device for printing. While you can also use web services transfer on a PC or Mac computer, that method requires third party software development. If you want more information about third party software development, contact your DNP IAM sales representative.

Configuring Apple Devices for Web Transfers (Mobile Apps)

The configuration for mobile apps is easy. Simply download the following apps from the iTunes store.

- ♦ WPS Status app
- ♦ WPS Print 2 App

Printing from Apple Devices using the Share Sheet Option

Use the following steps to print images from your iPad/iPhone.

1. If you haven't already, download the **WPS Print 2 App** to your mobile device.
2. Connect to the Wi-Fi signal created by WPS Pro EU.



Note

The signal is labeled WPSxxxx, where xxxx is a unique number for your device.

3. When prompted, type the following password: **DNP20153**
4. Launch the photo application. This application can be your standard camera roll (or photo gallery), a photo editing application, or a third party photo viewing application.



Attention

To use the WPS Print share feature, your photo application must use standard share sheet functionalities.

5. Select your image or images.
6. Click the **Share Sheet**. 
7. Select the WPS Print 2 App from the listed share applications.
8. The WPS Print 2 App is launched. You can now print images using the WPS Print 2 App.

Printing from Apple Devices using the WPS Print 2 App



Note

When using this app, the images you take are saved in an album in your photo gallery or camera roll. If you have the image archiving functionality turned ON, and a micro SD card plugged into the WPS Pro EU device, your images are also saved to the micro SD card.

1. Connect to the Wi-Fi signal created by WPS Pro EU.

**Note**

The signal will be labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

2. When prompted, type the following password: **DNP20153**
3. Wait two minutes for your device to connect to the wireless network before opening the app.



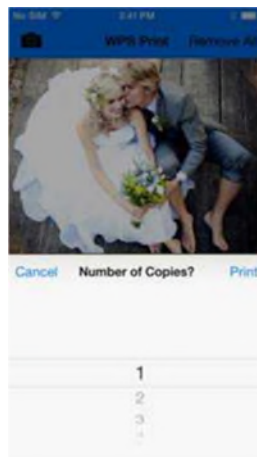
4. On your mobile device, open the **WPS Print 2 App**.
5. The WPS Print 2 App opens to the home screen.



6. The WPS Print 2 Application is now ready to use.
7. From your WPS Print 2 App home screen, you can either take a picture using your device's camera, or choose images from your camera roll.

8. To print images using your camera:

- ◆ Touch the camera in the upper left corner of the app.
- ◆ Your device's default camera application opens. Take your picture as you normally would. Press the **Use Photo** button to use that image.
- ◆ When you are returned to the WPS Print 2 Application, view your image. If you are ready to print, press the **Print Images** button. Otherwise, you can remove the images, add images from the gallery, or take more photos before printing.
- ◆ When prompted, select the quantity of prints you want.
- ◆ Press the **Print** button to print your image(s).
- ◆ To change your printer or print size, see step 10.



9. To print images using your photo gallery:

- ◆ Press the **Select Images to Print** option at the bottom of the screen.
- ◆ Select your image. Depending on your gallery application, you may be able to select more than one image at a time. To do this, click and hold an image until check marks appear on the images. Then select the images you want to print and press **Done** to return to the WPS Print 2 Application. Not all gallery applications allow for multiple image selection.
- ◆ When you are returned to the WPS Print 2 Application, view your image. If you are ready to print, press the **Print Images** button. Otherwise, you can remove the images, add images from the gallery, or take more photos before printing.
- ◆ When prompted, select the quantity of prints you want.
- ◆ Press the **Print** button to print your image(s).
- ◆ To change your printer or print size, see step 10.

10. At any time, you can press the **Select a Print Size** link to change your print size. If you have already selected a print size, the link shows your selected printer and print size option (for example, DS40 - 4x6).



Using the WPS Status App to Monitor Your Network



Note

When connecting to the WPS Status app for the first time, you may notice an incorrect date. The WPS Status app will reset the time from the value on your phone or tablet. This may take up to a minute to take effect.



Upon opening the WPS Status app, two icons are displayed: Printer and Server.



Printer Icon

Clicking the **Printer** icon allows you to view the following information regarding your attached printer(s):

- ❖ **Status:** Shows the status of the connected printer(s):
 - ♦ **Green:** Printer is in a workable state.
 - ♦ **Yellow:** Printer is low on media.
 - ♦ **Red:** Printer is extremely low on media, has an error, or a jam.



Note

The **Yellow** and **Red** warnings can be configured using the **Setup** screen of this application. See "Setup Button" on page 42.

- ❖ **Current Media:** Displays the printer/media prints remaining, media type loaded in the connected printer(s), and remaining media amount for connected printer(s).
- ❖ **Printing Type:** Displays whether images are being printed in **Matte** or **Glossy** format.
- ❖ **Firmware:** Displays the version of printer software installed on the connected printer(s).
- ❖ **Life Count:** Displays the total prints that have been produced by the connected printer(s) in the printer(s)' lifetime.
- ❖ **Color Data Version:** Displays the ICM file version your device is using.

Server Icon

Clicking on the **Server** icon allows you to view the following information:

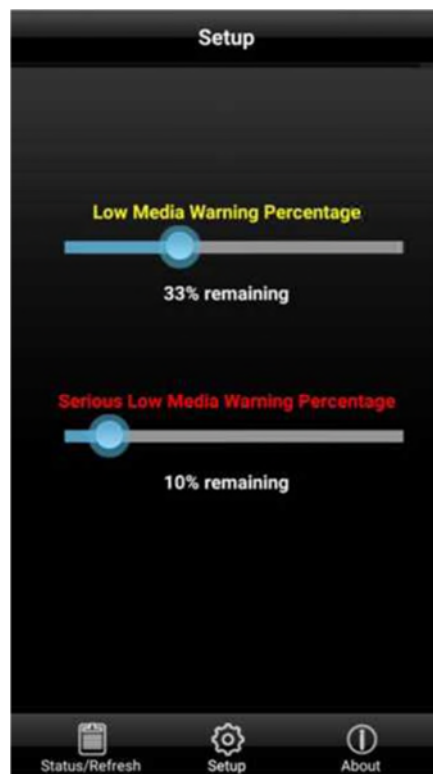
- ❖ **Software/Firmware Version:** Displays the installed WPS Pro EU firmware version. You can use this version number when you need to troubleshoot information about your system.
- ❖ **Last 5 Jobs:** Lists the name of the last 5 images printed, as well as the mannei in which they were sent to the printer, i.e., FTP.
- ❖ **Submission Errors:** Displays any errors in printing your images.

Setup Button

As mentioned earlier, the **Status** screen displays whether your attached printer(s) have a high level (green light), low level (yellow light), or extremely low level (red light) of remaining media. Using the **Setup** button, you can set the threshold for when the low media warnings are displayed.



1. Click the **Setup** button.



2. Using the **Low Media Warning Percentage** slider, set the percentage at which a low media warning is triggered. If you set this at 40%, when the media left in your printer reaches 40%, the icon on the Printer screen will be Yellow.
3. Using the **Serious Low Media Warning Percentage** slider, set the percentage at which an extremely low media warning is triggered. If you set this at 25%, when the media left in your printer reaches 25%, the icon on the Printer screen will be Red.

Using Apple Mobile iOS Devices for FTP Transfers

One of the transfer methods offered by WPS Pro EU is FTP, or *File Transfer Protocol*. File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one device to another device over a TCP-based network, such as the Internet. FTP is built on a client-server architecture and uses separate control and data connections between the client and the server. FTP transfer is best used when transferring images from a mobile device to the WPS Pro EU for printing. To do this, you must have a FTP client application installed on your mobile device. Be sure your FTP client application allows for binary data transfer as that is the data type WPS Pro EU supports.

Configuring Apple Devices for FTP Transfers



Note

Only use this procedure when setting up your WPS Pro EU device for the first time. After you have configured your FTP client application to use the share sheet, you do not have to make any other changes.

1. Download a FTP client application from the Apple® App StoreSM.

**Note**

Some examples of FTP client applications are: Transmit™, FTP Client Pro, and Easy FTP Pro.

2. Once downloaded, launch the FTP client application.

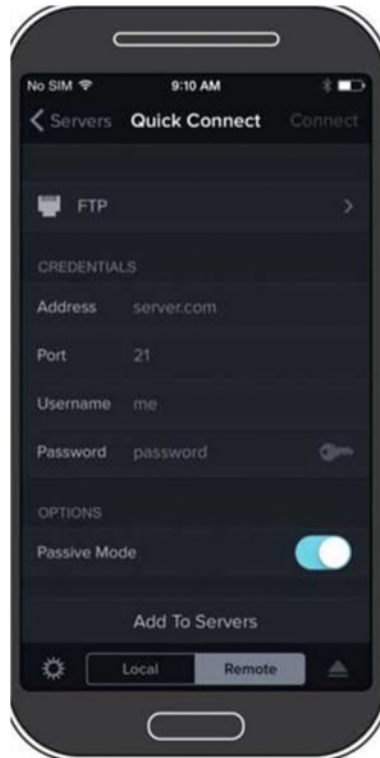


Figure 7. Example of client FTP app

3. Enter the required information into the following fields:
 - ♦ **Host:** 192.168.43.1
 - ♦ **Type:** FTP
 - ♦ **Port:** 21
 - ♦ **Username:** photo
 - ♦ **Password:** none (type the word "none")
 - ♦ **Remote Dir:** / (forward slash)
 - ♦ **Mode:** Active (usually in advanced settings)

**Attention**

If you are prompted to enter a transfer option, select **Binary**.
If you select **ASCII**, your images will not print correctly.

4. Click **Save** to save your settings.
5. If you have not already, connect to the WPS Pro EU Wi-Fi network.

6. Return to the FTP client application, and click the Login button to connect to WPS Pro EU.

**Note**

If the login was successful, a dialog box is displayed, confirming the connection.

7. Once you connect to the WPS Pro EU network, you can now print your images wirelessly. Please note that WPS Pro EU only prints JPEG and PNG file formats.

To print your images using your iPad or iPhone, see "Printing from Apple Devices using the Share Sheet Option" on page 38.

Printing from Apple Devices using FTP Transfers

Use the following steps to print images from your iPad/iPhone. If you have not already configured your device to connect to WPS Pro EU through a FTP client app.

1. Connect to the Wi-Fi signal created by WPS Pro EU.

Note

The signal is labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

2. When prompted, type the following password: **DNP20153**
3. Launch the photo application. This application can be your standard camera roll (or photo gallery), a photo editing application, or a third party photo viewing application.
4. Select your image or images.
5. Click the **Share Sheet**. 
6. Select the FTP client app from the listed share applications.
7. The image is printed.

Printing Errors

If you have issues when printing images, an error sheet will print. This sheet gives you information on which image did not print so you can try to reprint the image.

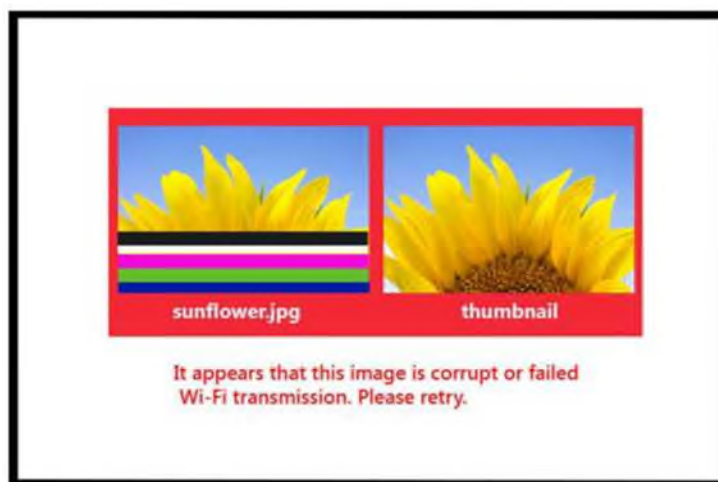


Figure 8. Example error sheet

	It appears that this image is corrupt or failed Wi-Fi transmission
	Please retry

1. If you receive this error, try to reprint the image. If the image doesn't print the second time, verify your network connections, then try again.



Note

WPS Pro EU has been built for JPEG and PNG files with an RGB color space. Make sure your images are in one of these formats before sending them to the WPS Pro EU for printing.

Print Size Chart

Use the table on the next pages to determine the size of media you need for your printer.



Note

If you use the half panel printing option, only half of your available ribbon will be used. Costs will be higher as the other half panel is not used.

Media Size	Description	Configuration Notes	DS40	DS620/DS620A	RX1	DS80/DS80DX	DS820/DS820A	WPS Pro EU Printer Queue Name
3.5x5	3.5x5	♦	√*					3.5x5
4x6	two 2x6 cut strip	2 strip	√	√	√			2x2x6s
	4x6	♦	√	√	√			4x6

Media Size	Description	Configuration Notes	DS40	DS620/ DS620A	RX1	DS80/ DS80DX	DS820/ DS820A	WPS Pro EU Printer Queue Name
5x7	3.5x5	½ panel	✓	✓	✓*			3.5x5
	two 3.5x5 cut	2 strip	✓**	✓				3.5x5s
	5x5 square	square		✓				5x5sq
	5x7	♦	✓	✓	✓*			5x7
6x8	two 2x6 cut strip	2 strip	✓	✓	✓			2x6x2s
	4x6	½ panel	✓	✓	✓			4x6
	two 4x6 cut strip	2 strip	✓	✓	✓			2x4x6s
	four 2x6 cut strip	4 strip	✓	✓	✓			2x6x4s
	6x6 square	square		✓				6x6sq
	6x8	♦	✓	✓	✓			6x8
6x9	two 2x6 cut strip	2 strip	✓*	✓*				2x6x2s
	4x6	½ panel	✓*	✓*				4x6
	two 4x6 cut strip	2 strip	✓*	✓*				2x4x6s
	four 2x6 cut strip	4 strip	✓*	✓*				2x6x4s
	6x6 square	square		✓*				6x6sq
	4.5x6	½ panel		✓*				4.5x6
	two 4.5x6 cut strip	2 strip		✓*				4.5x6s
	6x8	cut at 8"	✓*					6x8
	6x9	♦	✓*	✓				6x9
8x10	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	5x8	½ panel				✓	✓	5x8
	2 5x8 cut strip	2 strip				✓	✓	5x8x2s
	6x8	½ panel				✓	✓	6x8
	8x8 square	square				✓	✓	8x8sq

Media Size	Description	Configuration Notes	DS40	DS620/ DS620A	RX1	DS80/ DS80DX	DS820/ DS820A	WPS Pro EU Printer Queue Name
8x10	8x10	♦				✓	✓	8x10
8x12	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	three 4x8 cut strips	3 strip					✓	4x8x3s
	5x8	½ panel				✓	✓	5x8
	two 5x8 cut strip	2 strip				✓	✓	5x8x2s
	6x8	½ panel				✓	✓	6x8
	two 6x8 cut strip	2 strip				✓	✓	6x8x2s
	8x8 square	square				✓	✓	8x8sq
	8x10	cut at 10"				✓	✓	8x10
	8x12	♦				✓	✓	8x12

✓ Print size is available for that printer

♦ Default setting.

* Print size may not be available in all sales regions. Contact your sales representative for more information.

** Firmware v1.5 or greater



Note

You can have two (2) printers connected to WPS Pro EU simultaneously. The media loaded must be the same, i.e., two printers that both have 4"6" media loaded. See "Changing the Print Pooling Settings" on page 96 for more information.

6. Using a Windows PC with the WPS Pro EU

The easiest way to transfer images from your computer to your WPS Pro EU network is using the HFP transfer option. Use the following sections to configure your PC computer to use WPS Pro EU.

Using Windows PC with the Hot Folder Print Options (HFP). Using Hot Folder Printer folders, you can transfer images in bulk (or individually) by copying and pasting the images into the hot folder printers on the WPS Pro EU device.

Before you begin printing, check your WPS Pro EU console and make sure the WPS Status app is running. In order to process the images it receives, the WPS Pro EU console must have the WPS Status app open and active.



Using Windows PC with the Hot Folder Print Options (HFP)

HFP, or *Hot Folder Printing*, is a transfer method where a hot folder (or "watched folder") is continuously monitored by the WPS Pro EU system. Images copied into this folder are automatically printed and then removed. Hot folders are used both for manual image imports (copying and pasting files into the hot folder) and for integration with third party software (often via FTP to the hot folder). HFP transfers work best on PC computers, however some tablets do have HFP transfer capability. Hot folder printing allows you to load larger quantities of prints at a time to the print folder.

Configuring a Windows PC for HFP

Use the following steps to print images from your PC.

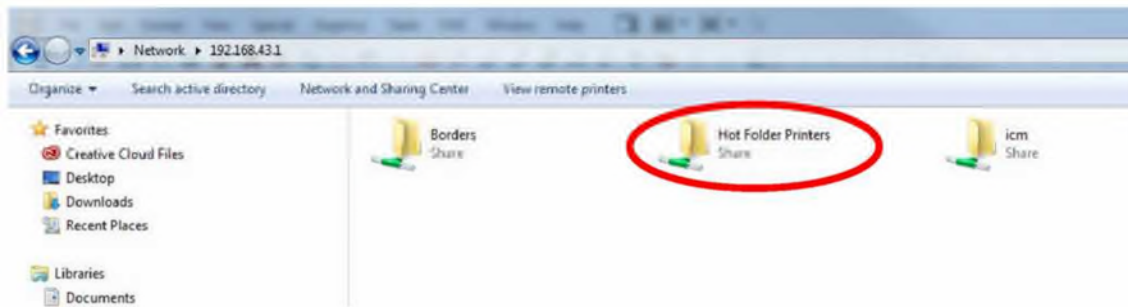
1. From your computer, select your WPS Pro EU device.



Note

The signal is labeled **WPSxxxx**, where **xxxx** is a unique number for your device.

2. When prompted, type the following password: **DNP20153**
3. Open a file explorer window. (Be sure you are not opening an internet browser.)
4. Type **\\192.168.43.1** in the address bar. This accesses the WPS Pro EU directories.



5. Select **Hot Folder Printers** folder.
6. Select the folder for your printer model. This is labeled with the model of your DNP printer (for example, DS40.)
7. Select the print folder. This folder will be labeled with the print size loaded in your attached printer (i.e., 4"x6", 5"x7", 6"x8".)
8. You are now ready to print your images using hot folder print transfer.

Printing from a Windows PC using HFP



Note

When naming your image files, use alphanumeric characters. Do NOT use any special characters.

Special characters include: @ \$ % A & * () + = { } Also, a space or a dash should not be the first character in the file name.

1. If you have not already, open a file explorer window and browse to your Hot Folder Printers directory.
Use this address to access your device: [\\192.168.43.1](http://192.168.43.1)
For more information, see "Configuring a Windows PC for HFP" on page 50
2. Open a second file explorer window and browse to the images you want to print.
3. Copy the images and paste them into the print size folder in the Hot Folder Printers folder.



Note

If possible, only *copy and paste* your image. If you cut and paste your image when you have automatic archiving turned OFF, your images will not be saved on the WPS Pro EU device.

4. Your photos are sent from your PC to the WPS Pro EU and are printed.

7. Using a Mac with the WPS Pro EU

This chapter discusses how to use your Mac computer to print using the WPS Pro EU network. Be sure to follow the installation steps at "Setting Up the WPS Pro EU System" on page 18 before continuing.

There are two transfer options for using WPS Pro EU with your Mac:

1. **Using a Mac for Hot Folder Printing (HFP).** Using Hot Folder Printer folders, you can transfer images in bulk (or individually) by copying and pasting the images into the hot folder printers on the WPS Pro EU device.
2. **Using a Mac and Native Print Drivers.** Using the native print drivers, you can print directly from any photo application. Simply access that application's print settings, and choose the WPS Pro EU option as your printer.



Note

WPS Pro EU also allows you to connect five (5) input/transfer devices simultaneously. Your input/ transfer device(s) can be a maximum of 30 feet away from WPS Pro EU and still send the print job successfully.

Before you begin printing, check your WPS Pro EU console and make sure the WPS Status app is running. In order to process the images it receives, the WPS Pro EU console must have the WPS Status app open and active.



HFP transfers work best on Mac computers, however some tablets do have HFP transfer capability. Hot folder printing allows you to load larger quantities of prints at a time to the print folder.

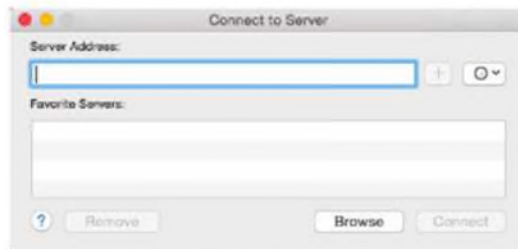


Note

Transferring more than nine (9) images using the HFP method can result in a transfer error (Error 43.) Contact Tech Support for more information.

Configuring a Mac for HFP Printing

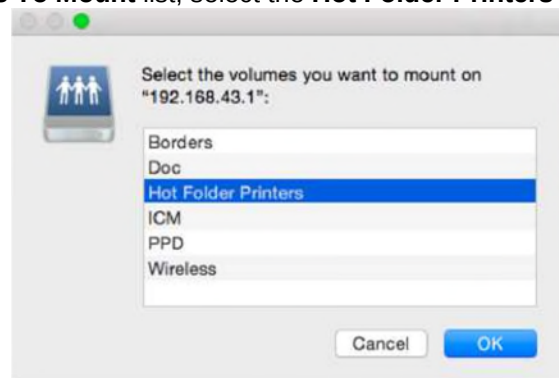
1. From the Desktop, select **Go**.
2. Select **Connect to Server**.
3. In the **Server Address** field, type the address: **smb://192.168.43.1**



4. Click **Connect**.
5. Select the **Connect as: Guest** radio button and click **Connect**.



6. From the **Volumes To Mount** list, select the **Hot Folder Printers** option and click **OK**.



7. When the Finder window is displayed, make note of the WPS Pro EU device name.



Printing from a Mac (HFP Transfer)



Attention

Any custom cropping must be done before printing as WPS Pro EU only "center crops" to maximize print size and eliminate white spaces. Custom cropping can be accomplished via the capture and edit functions found in standard applications like Photoshop, Lightroom, iPhoto, etc.

1. If you have not already, configure your Mac to use WPS hot folder printing. See "Configuring a Mac for HFP Printing" on page 60.
2. Open the Hot Folder Printers folder you created.
3. Open a second finder window and browse to the images you want to print.
4. Copy the images and paste them into the print size folder in the Hot Folder Printers folder.



Note

If possible, only *copy and paste* your image. If you *cut and paste* your image when you have automatic archiving turned OFF, your images will not be saved on the WPS Pro EU device.

5. Your photos are sent from your Mac to WPS Pro EU and are printed.

Using Digital Cameras for Wi-Fi Transfers

If your digital camera is Wi-Fi enabled, you can set your camera to transfer your images to your preferred mobile device or computer. Once you've set up your digital camera to transfer images via Wi-Fi, it's easy to transfer images and then print them from your mobile device or computer. How you transfer your images to your mobile device depends on your digital camera. Some cameras come with built-in Wi-Fi connectivity, while others require a Wi-Fi adapter or accessory. Consult your camera documentation to see if your camera is Wi-Fi compatible.

Printing from Digital Cameras Using a Mobile Device

Once you've set up your digital camera to transfer images to your mobile device, it's easy to send images to your device for printing. Once you've transferred the images, use the same steps as "Printing from Android Devices using the WPS Print 2 App" on page 26 or "Printing from Apple Devices using the WPS Print 2 App" on page 38 to print your images. How you transfer your images to your mobile device depends on your digital camera. Some cameras come with built-in Wi-Fi connectivity, while others require a Wi-Fi adapter or accessory. Consult your camera documentation to see if your camera is Wi-Fi compatible.

You can now begin printing your images. When WPS Pro EU powers ON, it will auto-detect the connected printer(s) and the media loaded. A test image is automatically printed. It will also set up the appropriate folder (hot folder) from which images will be printed. As noted earlier, WPS Pro EU can be connected to two (2) printers simultaneously. Normal transfer time for prints is 25 seconds but varies based on signal strength, and connection speeds.



Note

When naming your image files, use alphanumeric characters. Do NOT use any special characters.

Special characters include: @ \$ % A & * () + = { } Also, a space or a dash should not be the first character in the file name.

Using Digital Cameras for FTP Transfers

To transfer images from your digital camera using FTP, you must have a camera that supports configurable file transfers via FTP or uses a dedicated Android operating system.

Configuring Digital Cameras for FTP Transfers

1. Download a FTP client application from Google Play.
2. Once downloaded, launch the FTP client application.
3. Enter the required information into the following fields:
 - ◆ **Host:** 192.168.43.1
 - ◆ **Type:** FTP
 - ◆ **Port:** 21
 - ◆ **Username:** photo
 - ◆ **Password:** none (type the word "none")
 - ◆ **Remote Dir:** / (forward slash)
 - ◆ **Mode:** Active (usually in advanced settings)



Attention

If you are prompted to enter a transfer option, select Binary.
If you select ASCII, your images will not print correctly.

4. Click **Save** to save your settings.

5. If you have not already, connect to the WPS Pro EU Wi-Fi network.
6. Return to the FTP client application, and click the **Login** button to connect to WPS Pro EU.

**Note**

If the login was successful, a dialog box is displayed, confirming the connection.

7. Once connected to WPS Pro EU, you can now begin to print your images wirelessly. Please note that WPS Pro EU will only print JPEG and PNG file formats.

Printing from Digital Cameras Using FTP

While only a handful of cameras currently offer a FTP transfer option, those work flows are usually compatible with the WPS Pro EU network. Consult your camera documentation to find out more about your camera's specific FTP options. If your camera does support FTP transfer, follow the instructions in "Using Android Devices for FTP Transfers" on page 32 or "Using Apple Mobile iOS Devices for FTP Transfers" on page 43 to connect your camera to the WPS Pro EU network and print directly from your digital camera.

Print Size Chart

Use the table on the next pages to determine the size of media you need for your printer.

**Note**

If you use the half panel printing option, only half of your available ribbon will be used. Costs will be higher as the other half panel is not used.

Media Size	Description	Configuration Notes	DS40	DS620/DS620A	RX1	DS80/DS80DX	DS820/DS820A	WPS Pro EU Printer Queue Name
3.5x5	3.5x5	◆	√*					3.5x5
4x6	two 2x6 cut strip	2 strip	√	√	√			2x2x6s
4x6	4x6	◆	√	√	√			4x6
5x7	3.5x5	½ panel	√	√	√*			3.5x5
	two 3.5x5 cut	2 strip	√**	√				3.5x5s
	5x5 square	square		√				5x5sq
	5x7	◆	√	√	√*			5x7
6x8	two 2x6 cut strip	2 strip	√	√	√			2x6x2s
	4x6	½ panel	S	√	√			4x6
	two 4x6 cut strip	2 strip	√	√	√			2x4x6s

Media Size	Description	Configuration Notes	DS40	DS620/ DS620A	RX1	DS80/ DS80DX	DS820/ DS820A	WPS Pro EU Printer Queue Name
	four 2x6 cut strip	4 strip	✓	✓	✓			2x6x4s
	6x6 square	Square		✓				6x6sq
	6x8	◆	✓	✓	✓			6x8
6x9	two 2x6 cut strip	2 strip	✓*	✓*				2x6x2s
	4x6	½ panel	✓*	✓*				4x6
	two 4x6 cut strip	2 strip	✓*	✓*				2x4x6s
	four 2x6 cut strip	4 strip	✓*	✓*				2x6x4s
	6x6 square	square		✓*				6x6sq
	4.5x6	½ panel		✓*				4.5x6
	two 4.5x6 cut strip	2 strip		✓*				4.5x6s
	6x8	cut at 8"	✓*					6x8
	6x9	◆	✓*	✓				6x9
8x10	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	5x8	½ panel				✓	✓	5x8
	2 5x8 cut strip	2 strip				✓	✓	5x8x2s
	6x8	½ panel				✓	✓	6x8
8x10	8x8 square	square				✓	✓	8x8sq
	8x10	◆				✓	✓	8x10
8x12	4x8	½ panel				✓	✓	4x8
	two 4x8 cut strip	2 strip				✓	✓	4x8x2s
	three 4x8 cut strips	3 strip					✓	4x8x3s
	5x8	½ panel				✓	✓	5x8
	two 5x8 cut strip	2 strip				✓	✓	5x8x2s

Media Size	Description	Configuration Notes	DS40	DS620/ DS620A	RX1	DS80/ DS80DX	DS820/ DS820A	WPS Pro EU Printer Queue Name
	two 6x8 cut strip	2 strip				✓	✓	6x8x2s
	8x8 square	square				✓	✓	8x8sq
	8x10	cut at 10"				✓	✓	8x10
	8x12	♦				✓	✓	8x12

✓ Print size is available for that printer

♦ Default setting.

* Print size may not be available in all sales regions. Contact your sales representative for more information.

** Firmware v1.5 or greater



Note

You can have two (2) printers connected to WPS Pro EU simultaneously. The media loaded must be the same, i.e., two printers that both have 4"6" media loaded. See "Changing the Print Pooling Settings" on page 96 for more information.

9. Custom Borders

Custom borders provide the ability to create branded prints with custom logos and event information. The borders are automatically applied to any print of the specified print size when the images are printed via the WPS Pro EU system and you have enabled borders. You can design a border using any photo application software package that allows for the creation of layers within the file. A few examples are Photoshop, GIMP, and Corel Paintshop Pro. You must create a border for each orientation - both horizontal and vertical.

Custom Border Requirements

Each border file must contain a space with a transparent background where the image will appear. Newly created borders must meet the following criteria:

- ❖ **File Format:** PNG only.
- ❖ **Orientation:** Both horizontal and vertical borders must be loaded for each new border. If you only load one orientation, then only that border will appear on prints.
- ❖ **File Naming:** **border-o.png** where **border** is a fixed term, and **o** is the border orientation, i.e., **border-v.png** for a border that has a vertical orientation.
- ❖ **Size:** Must be the full size in inches for each print size. For example, a 4x6 border would be 4"x6" (vertical) and 6"x4" (horizontal). You can also use the following pixel sizes:
 - ◆ **4x6:** 1200x1800 pixels
 - ◆ **5x7:** 1500x2100 pixels
 - ◆ **6x8:** 1800x2400 pixels
- ❖ **Resolution:** 300 dpi
- ❖ **Color Mode:** RGB only
- ❖ **Background/Image Space:** Must have a transparent background, or image space. The area where the image will appear cannot be colored in.
- ❖ **Image Compression:** No compression allowed. (No LZW, etc.)

In general, the opening in the border should be the same aspect ratio as the overall image, although the opening does not have to be strictly rectangular, and it may have varied edge treatments. Having elements of the border overlap the image space is acceptable, however keep in mind this may block important portions of your images.

Creating Custom Borders

1. On your computer, create a folder for your border files. Name the border folder with a dynamic name that you will recognize later.
2. Use your preferred photo editing software to create your new border.
3. Use the above requirements to create two borders that have the correct file size, file format, color mode, background transparency, and resolution. One for horizontal prints and one for vertical prints.
4. Save your borders with the proper file name (either **border-v.png** or **border-h.png**) in the border folder you just created. Remember, each print size must have a horizontal and vertical border.

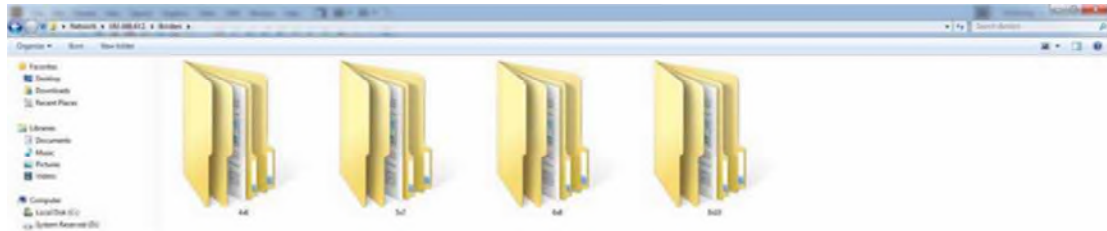
Adding the Custom Borders to the WPS Pro EU



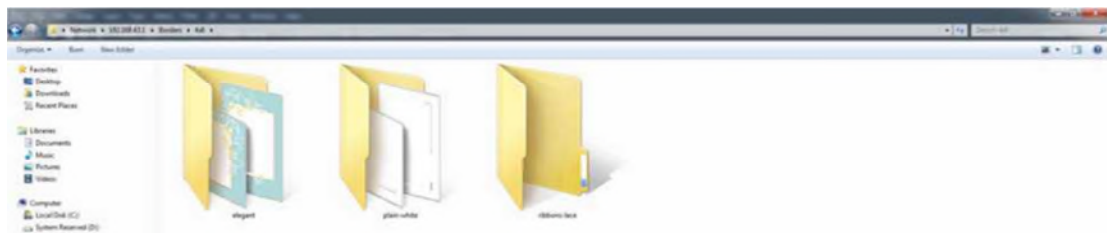
Attention

You must complete this procedure from a PC or Mac computer that is wirelessly connected to your WPS Pro EU device.

1. Connect to the WPS Pro EU Wi-Fi network.
2. Open a file explorer window. (Be sure you are not opening an internet browser.)
3. Type \\192.168.43.1 in the address bar. This accesses the WPS Pro EU directories.
4. Open the **Borders** directory.
5. Browse to the print size for the borders you created.



6. Copy the border folder you created earlier (with both border files in it), and paste that folder in the print size folder.



Note

Within each border folder, a configuration file (XML file) is automatically created by the WPS Pro EU system. There is no need to create a new XML file for new border folders.

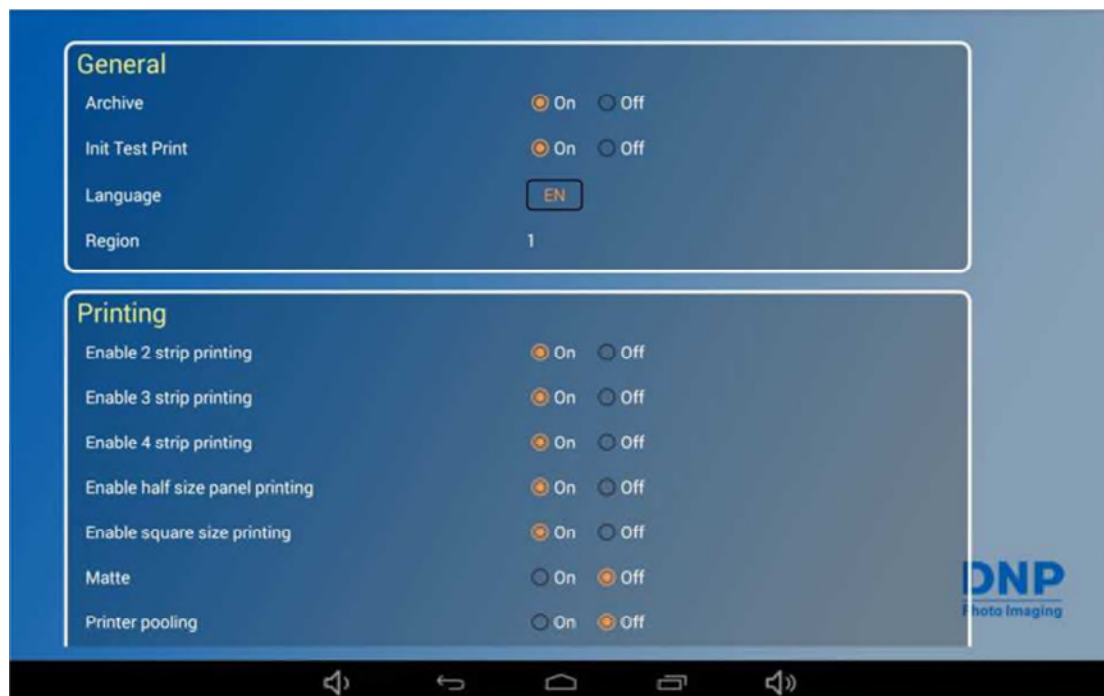
Enabling Borders

Once you have created your borders and added them to the appropriate folders, you can easily enable these borders from your WPS Pro EU's touchscreen display. Just follow these steps!

1. From your WPS Pro EU' touchscreen, touch the **Configuration** button.



The **WPS Pro EU Configuration** screen is displayed.



2. Under the correct file transfer section (either **FTP** or **HFP** depending on your file transfer preferences), locate the **Enable Borders** option.



3. Select the **ON** radio button.
4. Locate the **Border Selected** option.



5. Tap the **Border Selected** box and select the border you wish to add to your image.
6. Scroll to the bottom of the page and touch the **Save Configuration** button. After touching the Save Configuration button, WPS Pro EU re-boots itself. (If you have initial test prints turned ON, reconnect once your test image prints.)
7. The border you have selected is printed on your images.

Troubleshooting Borders

If you are having issues after installing and enabling borders, use this section to troubleshoot those issues.

Borders are only enabled for one print size.

If you want borders enabled for all print sizes, you must have border files installed on your WPS Pro EU device for all print sizes.

Example: You are using your WPS Pro EU system with a DS620A printer and you have 6x8 ribbon and paper installed. You have included border files in your 4x6 print size folder, and you have enabled borders using the **WPS Pro EU Configuration** screen on your device's touchscreen display. If you make 6x8 prints, no borders will appear. You must create and install border files in your 6x8 print size folder as well.

I can't enable different borders for different print sizes.

At this time, you can only enable borders with the same folder name for all print sizes. You can create any border you want and as long as you use the same folder name, and then you can enable that border across any print size.

Example: You want a "thank you" border for 4x6 prints, and a "congratulations" border for 6x8 prints. Create the sets of borders, and use the same folder name - "wedding 2015" - for both sets of borders. After you have enabled borders using the **WPS Pro EU Configuration** screen, any 4x6 you print will have the thank you border and any 6x8 you print will have the congratulations border.

My border isn't printing.

Check for the following common issues if your border isn't printing:

- ♦ Have you enabled borders using the WPS Pro EU Configuration screen? If so, did you reboot your WPS Pro EU device to make sure the changes were saved?
- ♦ Is your border file named correctly?
- ♦ Did you use the correct border file parameters when creating the file?
- ♦ Are your borders saved inside a border folder for the print size you need?
- ♦ If borders are only printing for one orientation, make sure you have installed both borders on your device and that both files were created properly.

If you are still having issues, contact technical support for assistance.

10

10. Advanced Actions

About This Chapter

This chapter covers advanced topics and procedures relating to your WPS Pro EU device. Please read through all instructions carefully and thoroughly before proceeding. Changing the settings covered in this chapter can cause your WPS Pro EU device to not function in the manner in which you intended. Your WPS Pro EU device ships with recommended settings from the factory. Only make the changes covered in this chapter if you are trying to customize a setting for your specific needs.

All changes must be made exactly as stated in the following procedures. Changes that are not made in accordance with these procedures can void your warranty and cause damage to your WPS Pro EU device. If you have questions about procedures in this chapter, please contact Technical Support or your sales representative.

Using the WPS Pro EU Configuration Screen

Configure your WPS settings using the **WPS Pro EU Configuration** screen, which is accessible from your device's touchscreen.



Note

When changing configuration settings, follow the procedures carefully, including the timing and reboot instructions.



1. From your WPS Pro EU's Status screen, touch the **Configuration** button.



2. The WPS Pro EU configuration screen opens.
3. Use the following procedures to change any settings for your WPS Pro EU system.

Changing the General Configuration Settings

Use the general configuration settings to change your archive settings, default language, and initial test print settings.

Configuring Image Archiving

You can archive your images to a micro SD card once you have printed them. WPS Pro EU is set to archive your images by default.



Note

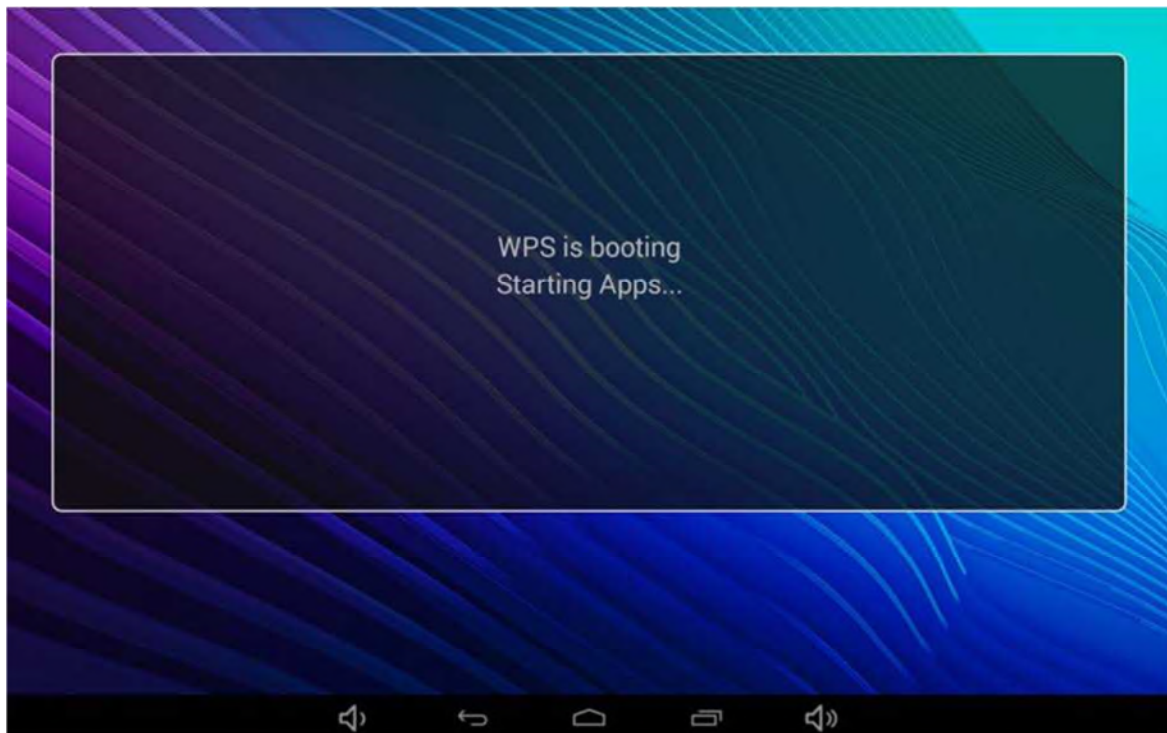
If you turn OFF the archiving functionality, your images are deleted from the WPS Pro EU device once they have been printed.

1. If you have not already, navigate to the **WPS Pro EU Configuration** screen from your console's touchscreen display.

2. Under the **General** section of the **WPS Pro Configuration** screen, locate the **Archive** option.



3. Using the radio buttons, set archiving images to either **OFF** or **ON**.
4. Scroll to the bottom of the page and touch the **Save Configuration** button.
5. Upon touching the Save **Configuration** button, the software restarts.



6. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Archiving Images

1. Make sure your **Archive** setting is set to ON. "Configuring Image Archiving" on page 87 for more information.
2. Insert a micro SD card in the slot on the back of the WPS Pro EU device.
3. Once you print your image, your image is saved to the directory on your micro SD card.



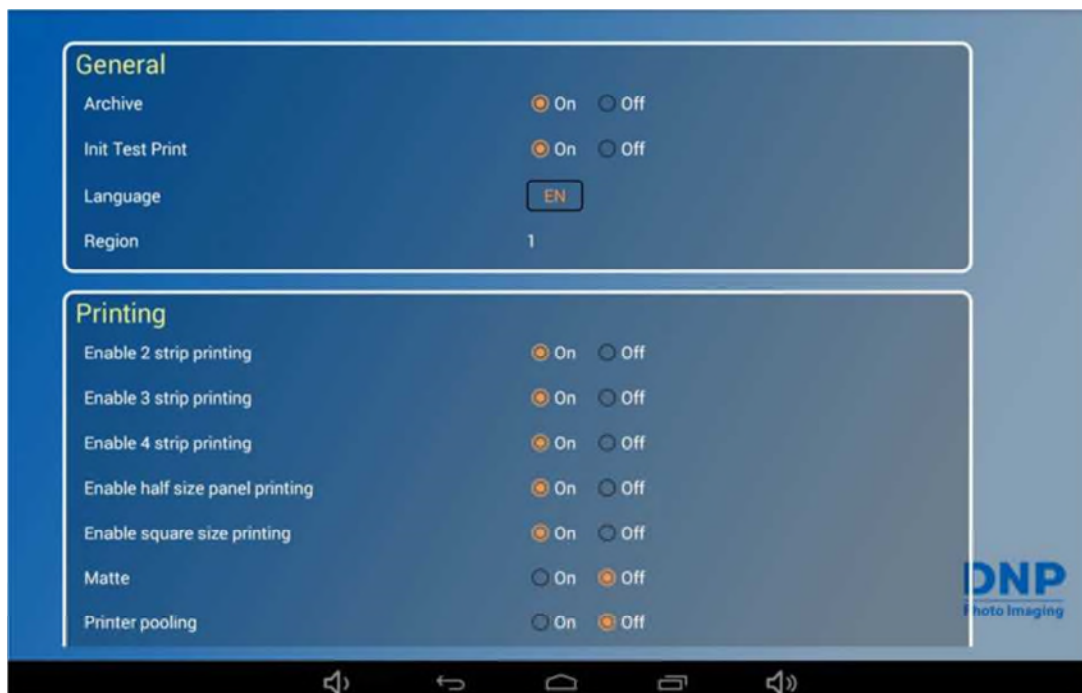
Note

Your card must have a directory called **DNParhive** for your images to be saved. If you do not have a micro SD card inserted into the slot, your images will not be saved.

Changing the Test Print Setting

When the WPS Pro EU starts, a test image is automatically printed. Use this procedure to enable or disable that setting.

1. Under the **General** section of the **WPS Pro Configuration** screen, locate the **Init Test Print** option.

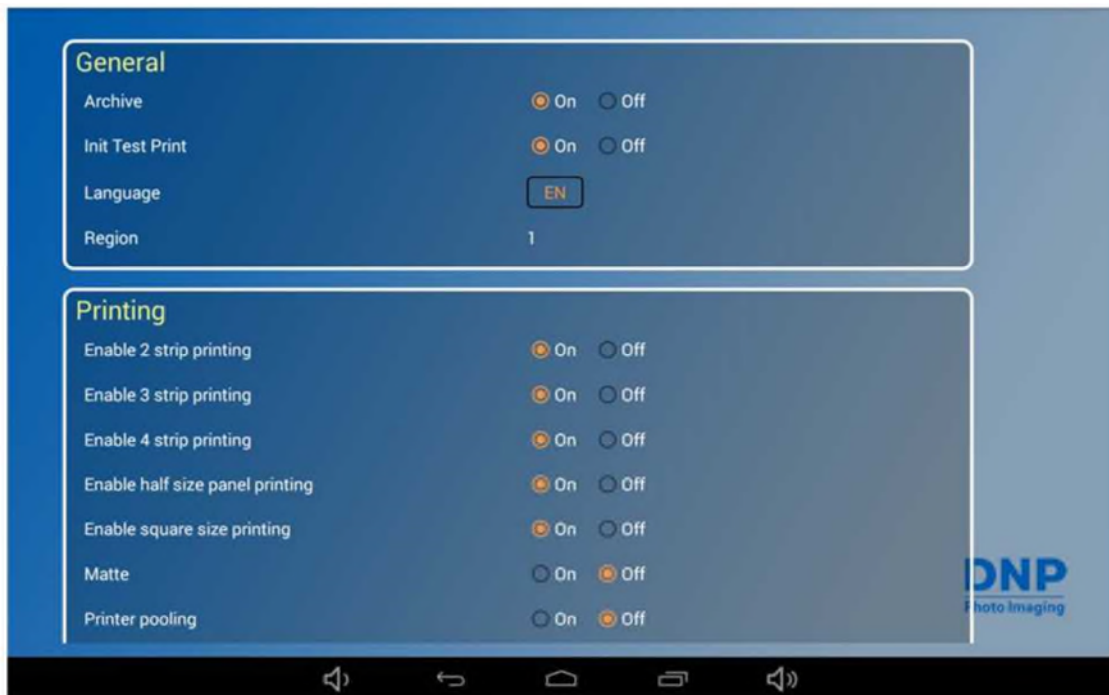


2. Using the radio buttons, set test images to either **OFF** or **ON**.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. Return to the **WPS Pro EU Configuration** screen to confirm the change has been made.

Changing the Default Language

Use this procedure to change the default language for your WPS Pro EU device.

1. Under the **General** section of the **WPS Pro Configuration** screen, locate the **Language** option.



2. Tap the **Language** box and select a language from the list.
 - ◆ EN - English
 - ◆ FR - French
 - ◆ ES - Spanish
 - ◆ PT - Portuguese



Note

Not all languages are available in every sales region where the WPS Pro EU devices are sold. Only the languages that are available in your sales region are displayed on the **WPS Pro EU Configuration** screen. For more information, please contact your sales representative.

3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. Return to the **WPS Pro EU Configuration** screen to confirm the change has been made.

About the WPS Pro EU Region Setting

The region setting displays the region where your WPS Pro EU device is intended to be used. The sales region cannot be changed.

Changing the Printing Settings

Use the printing settings to change your print finish type, printer pooling settings, and other printing size options.



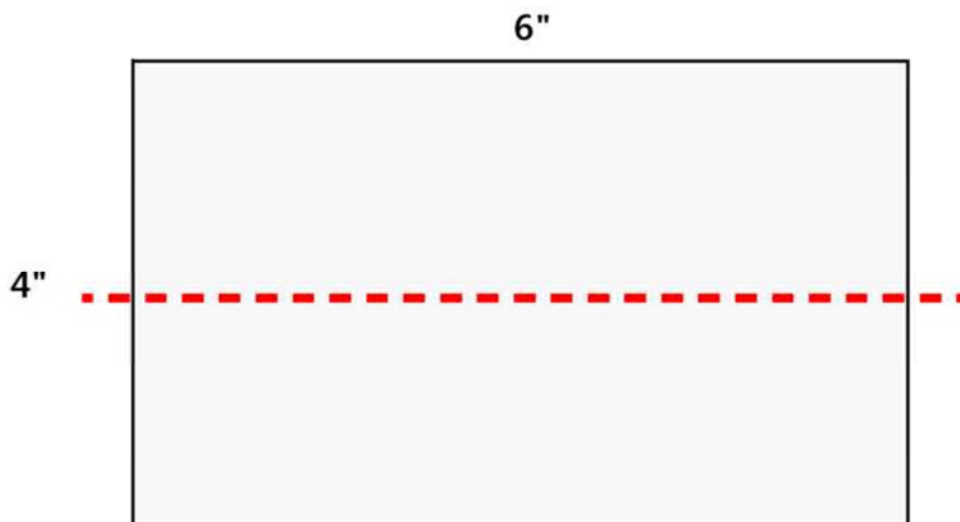
Note

When sending images via WPS Pro EU, keep the image size in mind in relation to your selected print sizes. You must send images that are formatted to the correct aspect ratio for your print media. This is especially important when dealing with strip cuts or square cuts. For example, if you send an image that is sized for a 4x6 aspect ratio print to a printer that has 2x6 strips as the default print size, the print will be cut down the middle - not resized to print on part of the paper.

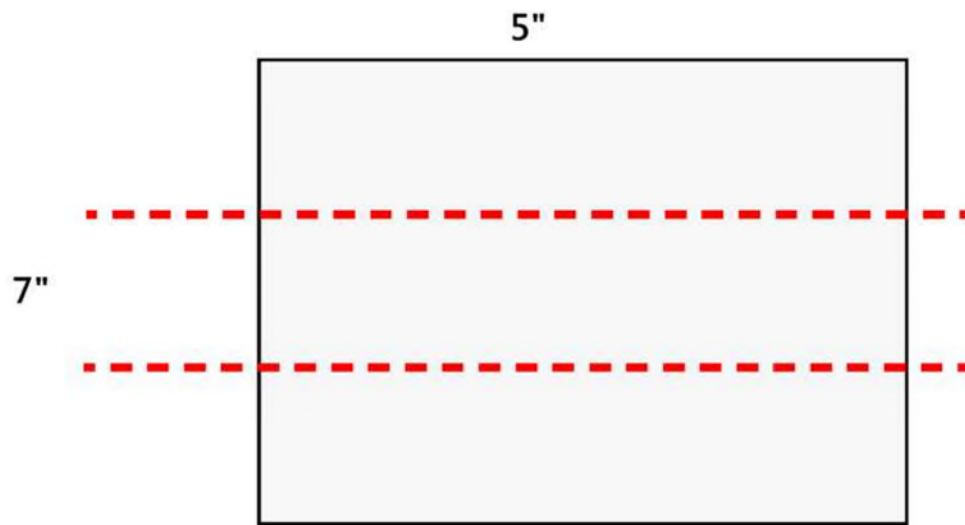
Changing the Printing Size Options

There are a few printing options that can be enabled or disabled that deal with the final print size or how the print is printed on the ribbon panel. Those options are:

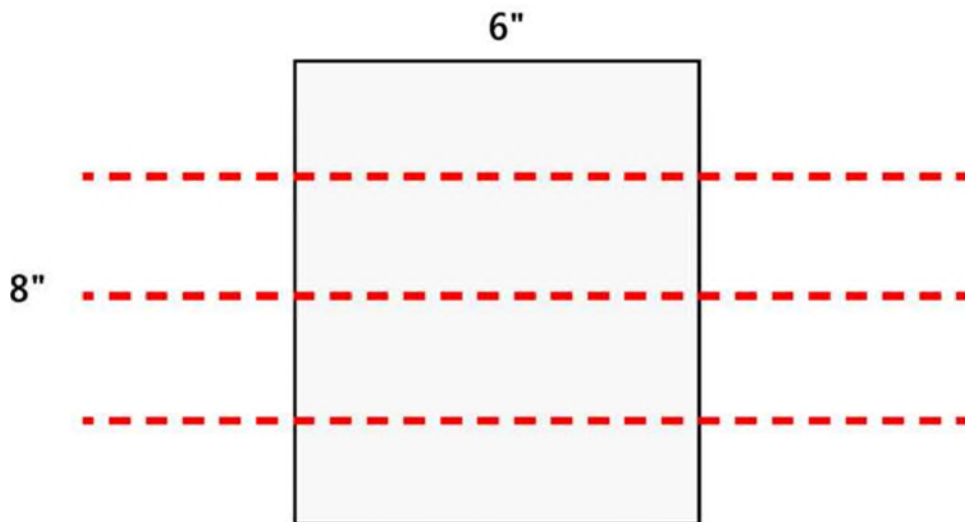
- ❖ **2 Strip Printing** - Allows 4x6 prints to be cut into two 2x6 strips.



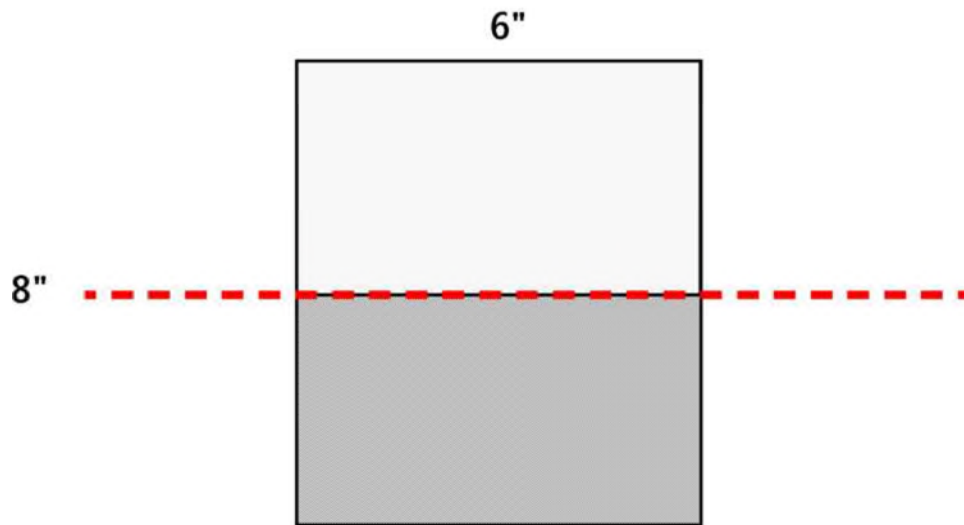
- ❖ **3 Strip Printing** - Allows 5x7 prints to be cut into three 2x5 strips.



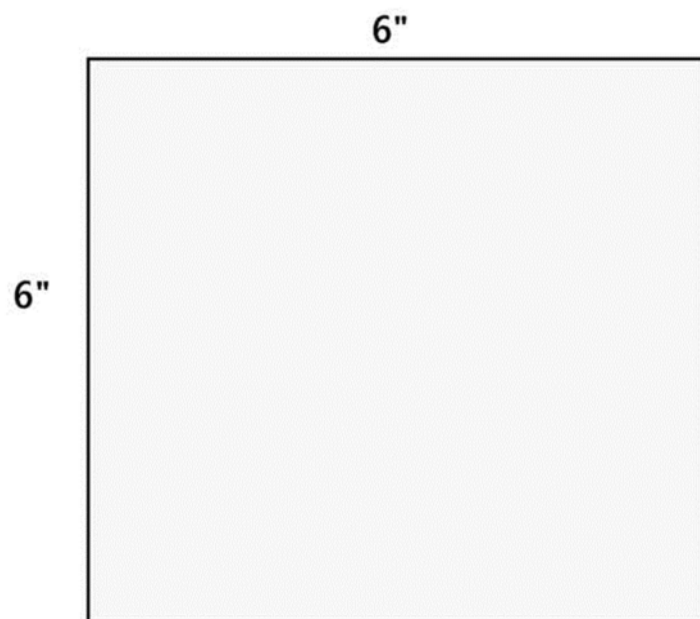
- ❖ **4 Strip Printing** - Allows 6x8 prints to be cut into four 2x6 strips.



- ❖ **Half Size Panel Printing** - Only prints on half of a ribbon panel. The next order will start on a new ribbon panel.

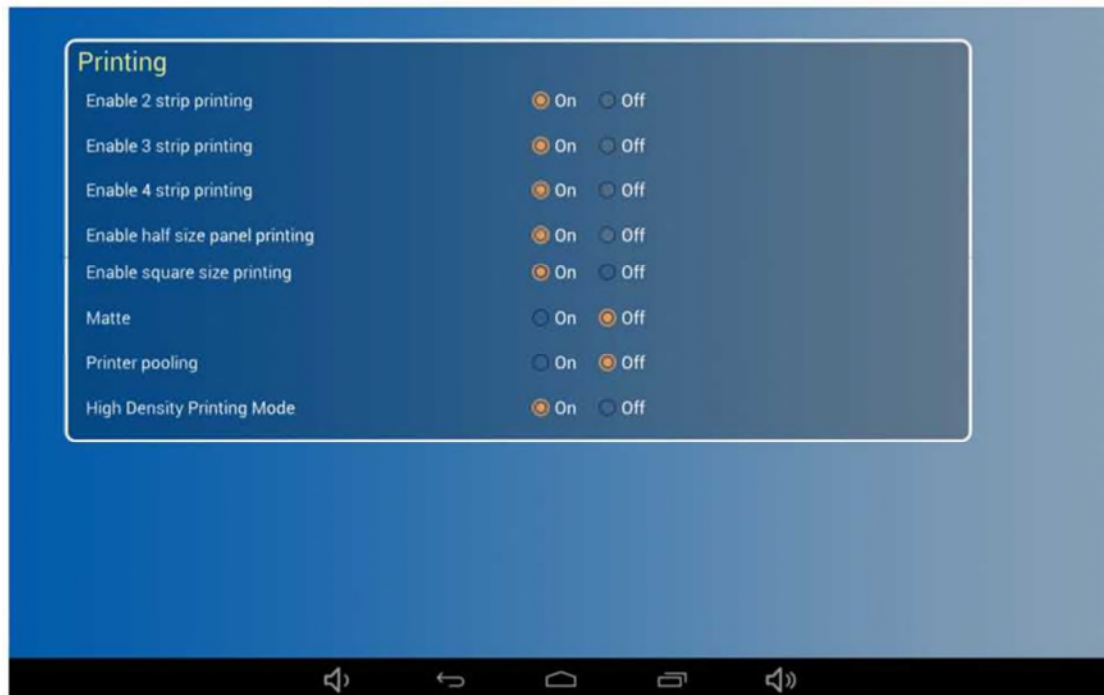


- ❖ **Square Size Printing** - Allows printing of square images such as 5x5, 6x6 and 8x8.



Refer to the printer chart on page 35 for more information on whether the above printing size options are available with your media type. To change the settings, use the procedure below. Make only one printing size change at a time. If you need to make more than one printing size change, repeat the procedure.

1. Under the **Printing** section of the **WPS Pro Configuration** screen, locate the **printing size** option you want to update.



2. Change the radio button to **ON** or **OFF**.

**Note**

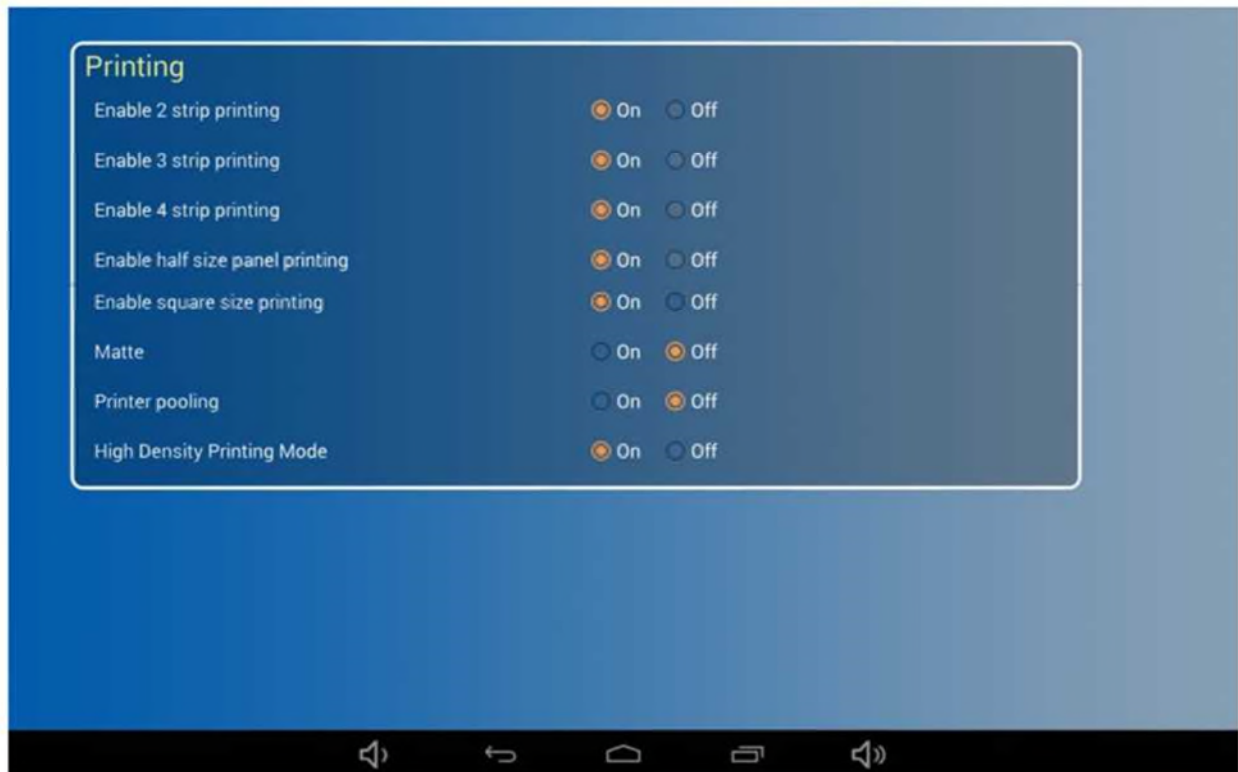
If you want to have 2x6 photo booth-type strips as your default print size, be sure to change the print queue setting under your transfer type. See either "Configuring FTP Settings" on page 97 or "Configuring HFP Settings" on page 102 for details on changing your print queue.

3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, the software restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Changing the Print Finish

You can print your images with either a *matte* or *glossy print* finish. WPS Pro EU is set to **Glossy** by default. If you wish to print your images with a matte finish:

1. Under the **Printing** section of the **WPS Pro Configuration** screen, locate the **Printing** section.
2. Find the **Matte** option and change the radio button to **ON** or **OFF**.

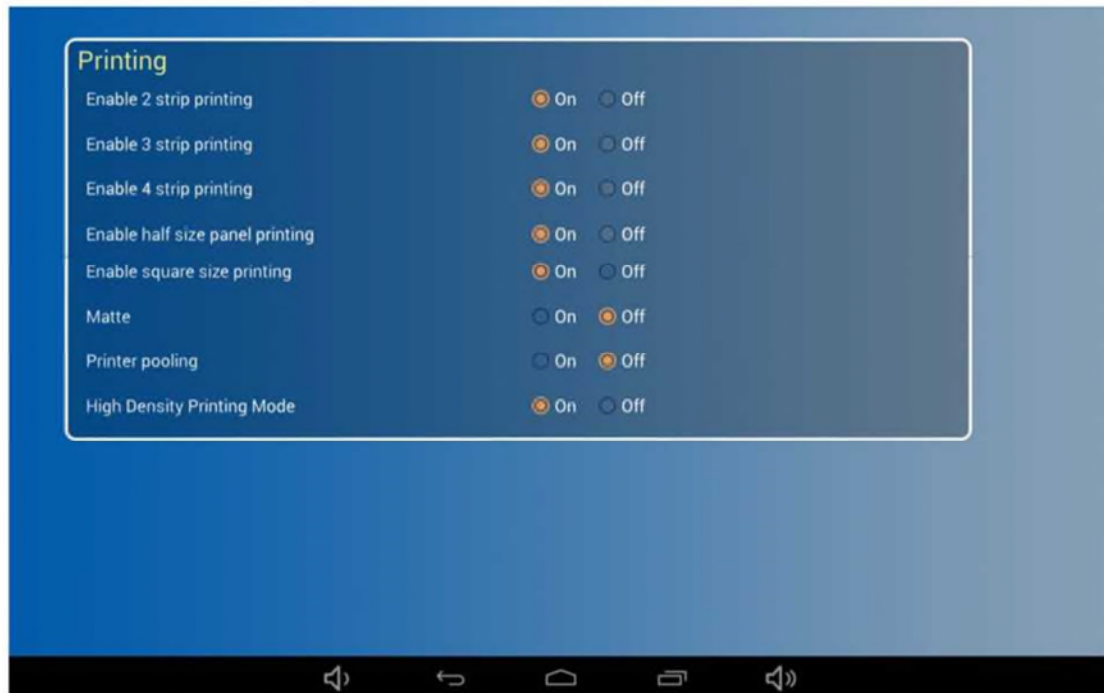


3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Changing the Print Pooling Settings

If you have two printers with the printer media loaded (i.e., 4"x6"), you can print to both printers simultaneously. This creates a balanced load between the two printers and allows for even media consumption. Different printers can be used, but they must have the same media loaded (e.g. 4x6 media in both.) This feature is enabled by default.

1. Under the **Printing** section of the **WPS Pro Configuration** screen, locate the **Printing** section.



2. Scroll to the bottom of the page and touch the **Save Configuration** button.
3. Upon touching the **Save Configuration** button, your device restarts.
4. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Configuring FTP Settings

One of the transfer methods offered by WPS Pro EU is FTP, or *File Transfer Protocol*. File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one device to another device over a TCP-based network, such as the Internet. FTP is built on a client-server architecture and uses separate control and data connections between the client and the server. FTP transfer is best used when transferring images from a mobile device to the WPS Pro EU for printing. To do this, you must have a FTP client application installed on your mobile device. Be sure your FTP client application allows for binary data transfer as that is the data type WPS Pro EU supports. Use this section to set up your FTP setting for your WPS Pro EU network.

Configuring FTP

Enables or disables the FTP transfer option. Only enable FTP if you are planning on using that transfer option. If you disable the FTP transfer option, be sure to enable the HFP transfer option.

1. Under the **FTP** section of the **WPS Pro Configuration** screen, locate the **Enable FTP** option.



2. Change the radio button to **ON** or **OFF**.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. You can now print from your devices using FTP. For more information, see "Using Android Devices for FTP Transfers" on page 32 or "Using Apple Mobile iOS Devices for FTP Transfers" on page 43

Configuring Borders

This procedure explains how to enable or disable borders for images you transfer using FTP. For more information on setting up and enabling custom borders, see "Custom Borders" on page 79.

1. Under the **FTP** section of the **WPS Pro Configuration** screen, locate the **Enable Borders** option.



2. Change the radio button to **ON** or **OFF**.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. Now images printed using FTP transfer will have the selected border applied.

Changing the Number of Copies Printed

Sets the number of copies for each image that is transferred using the FTP transfer method.

1. Under the FTP section of the WPS Pro Configuration screen, locate the FTP Copies option.



2. Tap the **FTP Copies** box and select the number of copies from the list. You can choose any number between 0 and 49.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. Now images printed using FTP transfer will print the number of copies you selected.

Selecting the Printer Queue

Selects the default printer and print size.

1. Under the **FTP** section of the **WPS Pro Configuration** screen, locate the **FTP Queue** option.



2. Tap the **FTP Queue** box and select the printer and default print size you want.



Note

If you are setting the print queue to a 2" cut option, be sure you have enabled 2" photo strips for your media size. See "Changing the Printing Size Options" on page 91 for more information.

3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Selecting Borders

Use this option to select a border to print on all of your images. For more information on setting up and enabling custom borders, see "Custom Borders" on page 79.

1. Under the **FTP** section of the **WPS Pro Configuration** screen, locate the **Border Selected** option.



2. Tap the **Border Selected** box and select the border you wish to add to your image.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Configuring HFP Settings

HFP, or *Hot Folder Printing*, is a transfer method where a hot folder (or "watched folder") is continuously monitored by the WPS Pro EU system. Images copied into this folder are automatically printed and then removed. Hot folders are used both for manual image imports (copying and pasting files into the hot folder) and for integration with third party software (often via FTP to the hot folder). Hot folder printing allows you to load larger quantities of prints at a time to the print folder.

Configuring HFP

Enables or disables the HFP transfer option. Only enable HFP if you are planning on using that transfer option. If you disable the HFP transfer option, be sure to enable the FTP transfer option.

1. Under the **HFP** section of the **WPS Pro EU Configuration** screen, locate the **Enable HFP** option.



2. Change the radio button to **ON** or **OFF**.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. You can now transfer your images to WPS Pro EU using HFP. See "Using Windows PC with the Hot Folder Print Options (HFP)" on page 49 or "Using a Mac for Hot Folder Printing (HFP)" on page 59 for more information.

Configuring Borders

Enables or disables borders for images you transfer using HFP. For more information on setting up and enabling custom borders, see "Custom Borders" on page 79.

1. Under the **HFP** section of the **WPS Pro EU Configuration** screen, locate the **Enable Borders** option.



2. Change the radio button option to **ON** or **OFF**.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. You can now add borders to your images.

Changing the Number of Copies Printed

Changes the number of copies of each print you order.

1. Under the **HFP** section of the **WPS Pro EU Configuration** screen, locate the **HFP Copies** option.



2. Tap the **HFP Copies** box and select the number of copies from the list. You can choose any number between 0 and 49.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. Now images printed using HFP transfer will print the number of copies you selected.

Selecting Borders

Use this option to select a border to print on all of your images. For more information on setting up and enabling custom borders, see "Custom Borders" on page 79.

1. Under the **HFP** section of the **WPS Pro EU Configuration** screen, locate the **Border Selected** option.



2. Tap the **Border Selected** box and select the border you wish to add to your image.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)
6. The border you have selected is printed on your images.

Configuring the Windows File Protocol

The Windows File Protocol is enabled by default. This setting allows the WPS Pro EU to transfer files via standard Windows processes and procedures. Disabling this option can cause failed image transfers. Only change this setting under the supervision of Technical Support.

Configuring the Networking Options

Configuring SLP

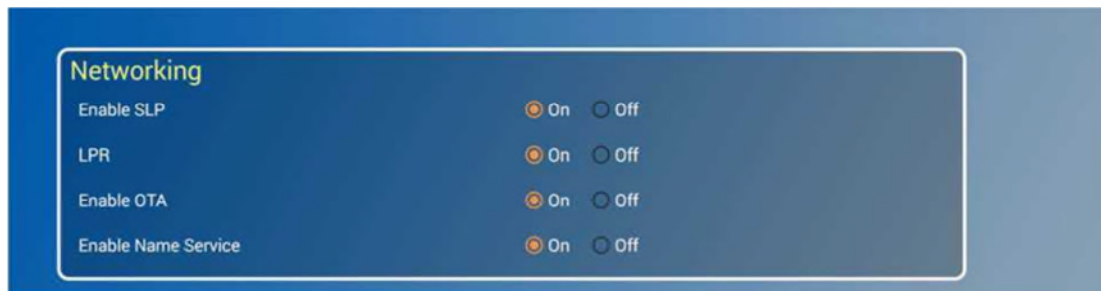
Allows or disables SLP broadcasting.



Attention

If you disable SLP broadcasting, you cannot print your images using native print drivers.

1. Under the **Networking** section of the **WPS Pro EU Configuration** screen, locate the **Enable SLP** option.



7. Change the radio button option.
8. Scroll to the bottom of the page and touch the **Save Configuration** button.
9. Upon touching the **Save Configuration** button, your device restarts.
10. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Configuring LPR

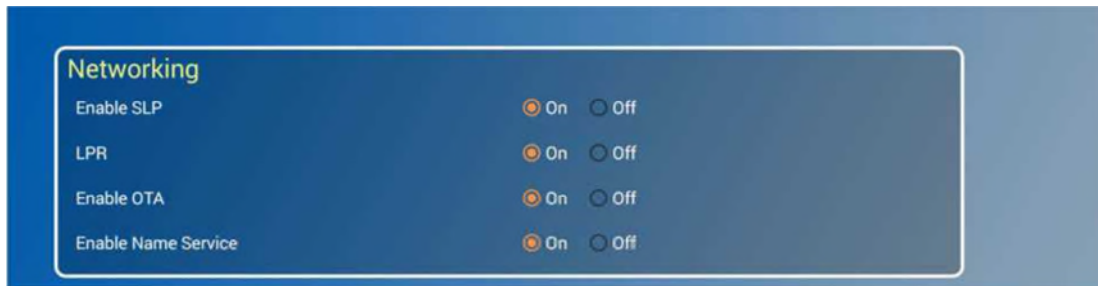
Allows you to enable/disable LPR printing protocols.



Attention

If you disable LPR, you cannot print your images using native print drivers.

1. Under the **Networking** section of the **WPS Pro EU Configuration** screen, locate the **LPR** option.



2. Change the radio button option.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

Configuring OTA

Enables or disables over-the-air transfer protocols.

1. Under the **Networking** section of the **WPS Pro EU Configuration** screen, locate the **Enable OTA** option.



2. Change the radio button option.
3. Scroll to the bottom of the page and touch the **Save Configuration** button.
4. Upon touching the **Save Configuration** button, your device restarts.
5. After three minutes, reconnect to the WPS Pro EU Wi-Fi network. (If you have initial test prints turned ON, reconnect once your test image prints.)

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