

RISO SmartDeviceApp UI Design Proposal

Ver. 0.01

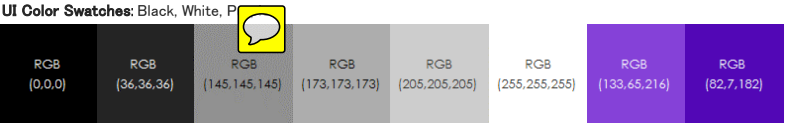
REVISION HISTORY

Version	Date	Description	Author	Reference	Sheet
0.01	2014-02-07	Initial Creation	aLINK		

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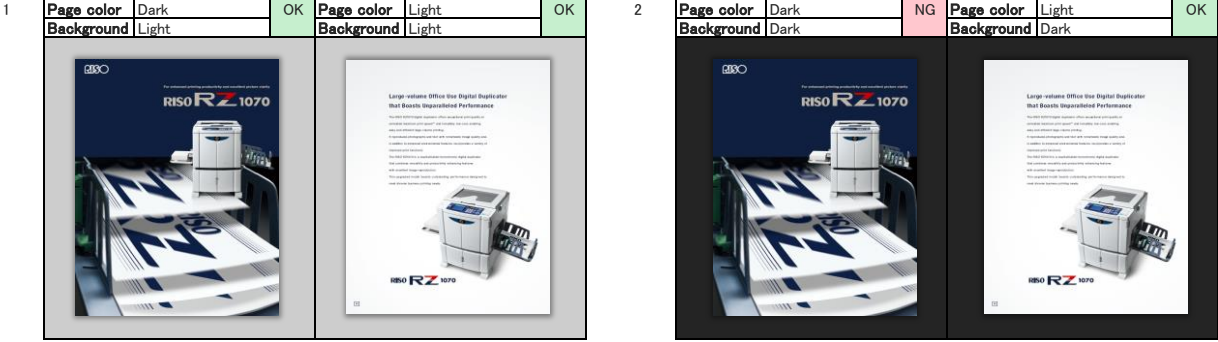
Look and Feel

- A. Colors
- The UI color theme is selected to match the RISO company image.



- UI Background:
- All types/colors of documents must look good and be easily visible regardless of background color.

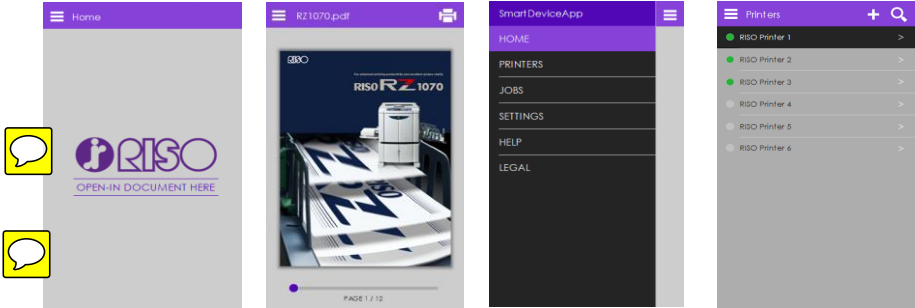
Comparison between using light and dark background for documents:



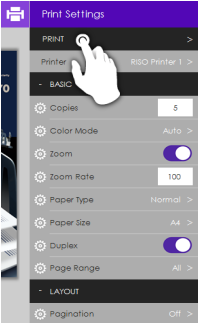
- Light background is selected for better visibility of both light- and dark-colored documents.

- B. UI Style
- Objective:
- The UI should be consistent across all required mobile platforms:
 - iOS phone/tablet
 - Android phone/tablet
 - Windows RT tablet
 - Minimal changes or adjustments should be made when porting the design to the different platforms.
 - Low maintenance, generic, easy to scale

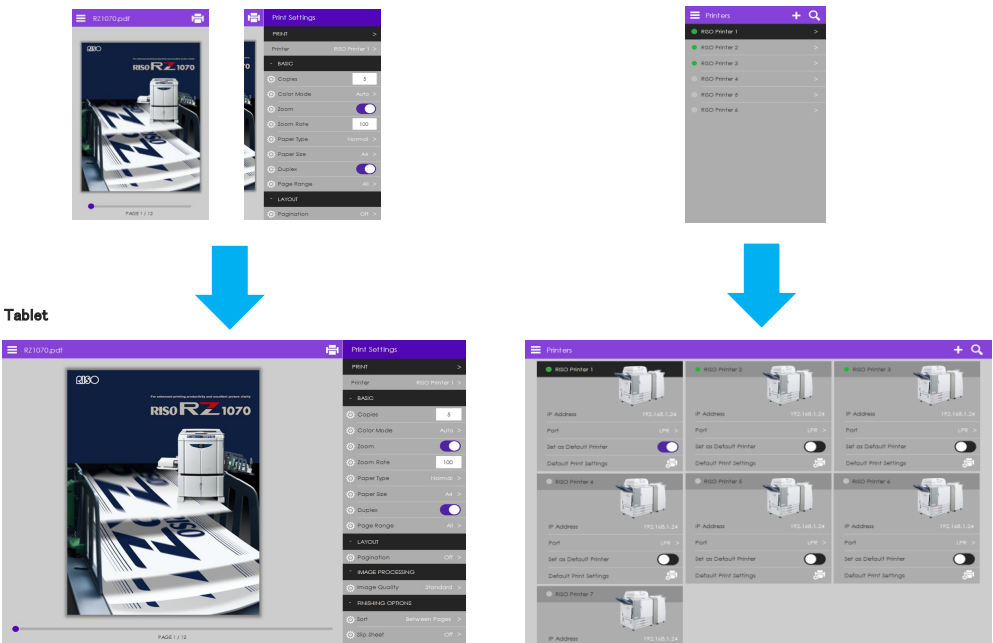
- Flat Theme:
- Common pattern between iOS 7, Android Kitkat, and Windows RT
 - Minimalistic, simple, and consistent look and feel throughout the app
 - Flat-style icons, buttons, and controls
 - Solid colors
 - Sample screenshots:



- C. Usability
- Phone
- Screens and controls have been designed for easier operation using one hand.
 - Sizes of controls are optimized for the small screen size of phones.



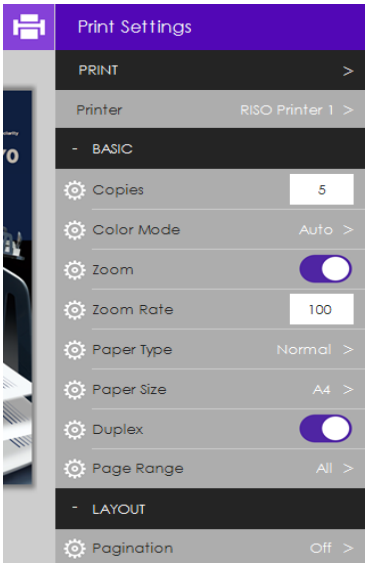
- Tablet
- Screens and controls have been designed to maximize the usage of the large screen size of tablets.



- Screens for main functionalities such as changing the print settings have been designed to easily view updates to the print preview immediately after making changes to the print settings.

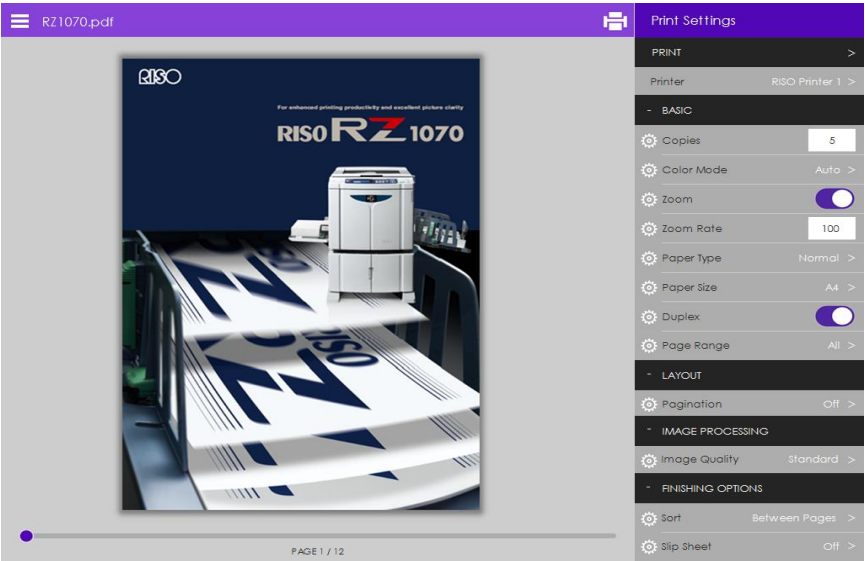
Open-In and Print

- A. Concept
- PDF Documents can be printed directly from the app using the Open-In function.
- B. UI Design
- Phone



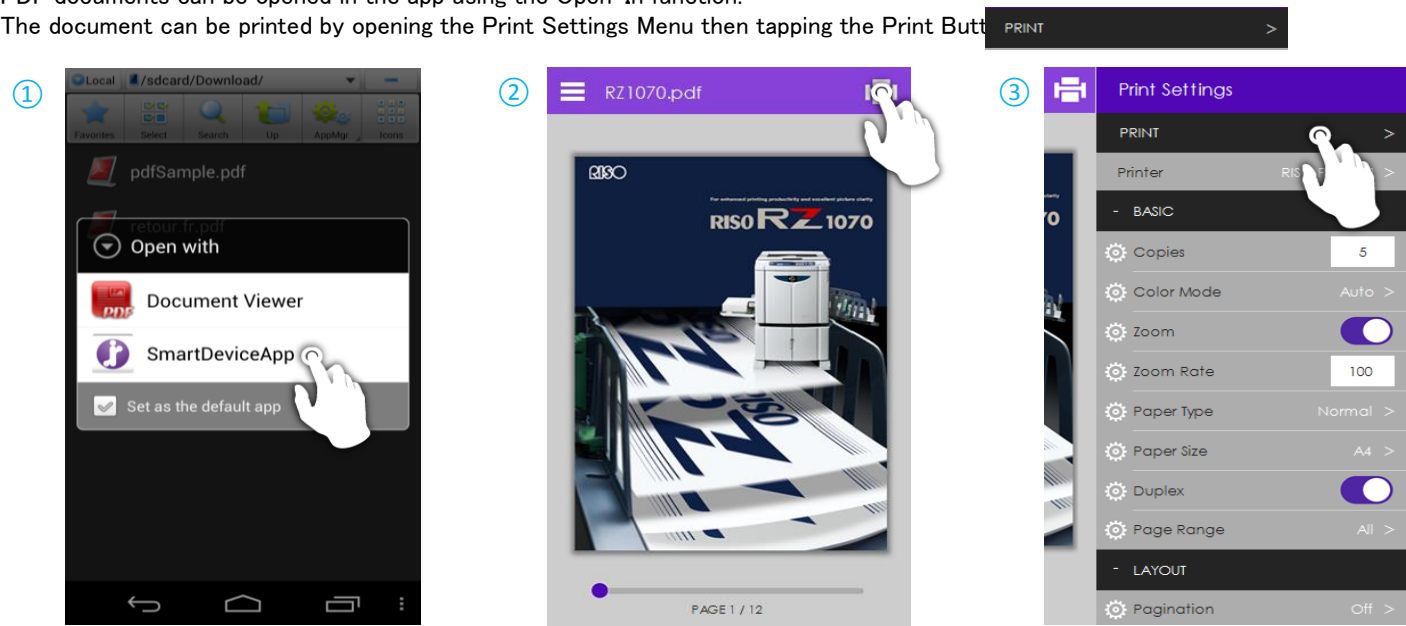
- The Print Button is accessed from the Print Settings Menu
- The user can change print settings first or print directly using the default settings of the currently selected printer.

Tablet

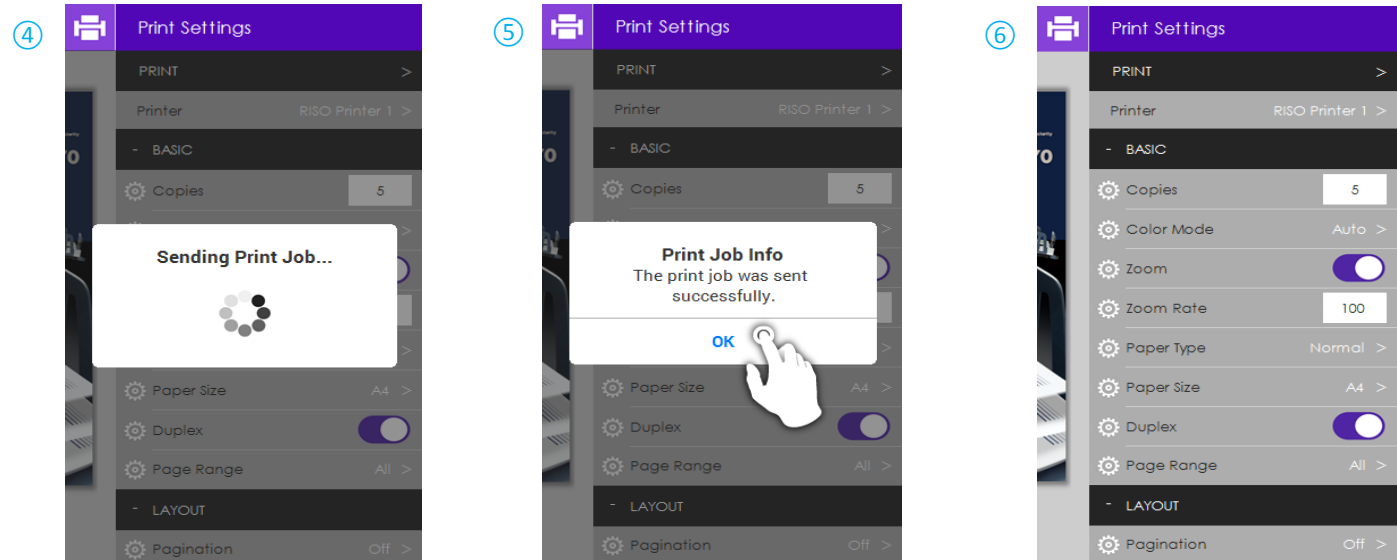


Note: The Print Preview Screen and Print Settings Menu will be discussed in detail in the next sections.

- C. Transitions
- PDF documents can be opened in the app using the Open-In function.
- The document can be printed by opening the Print Settings Menu then tapping the Print Button



The document is sent as a print job to the printer. A pop-up message shows the status of sending the print job. When the transmission is completed, a pop-up message shows the confirmation that the print job is sent successfully. Tapping OK on the message returns to the Print Settings Menu.



Home Screen

- A.

Concept

The Home Screen is the main screen of the app.
It is the default screen displayed when the app is opened.
The Home Screen is defined as:

•

RISO Logo Screen

– When app is opened normally (no PDF document)

•

Print Preview Screen

– When app is opened using “Open-In” function
- B.

UI Design

1

RISO Logo Screen

Phone
-
- Tablet
-
- 2

Print Preview Screen

Phone
-
-
- The Print Preview Screen includes a page number slider which can be used to navigate quickly within the document.

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The size of the page image adjusts to maximize the available screen width or height.
- Tablet
-
-
- Current Prototype
-
- Proposed Changes vs. Current Prototype:

•

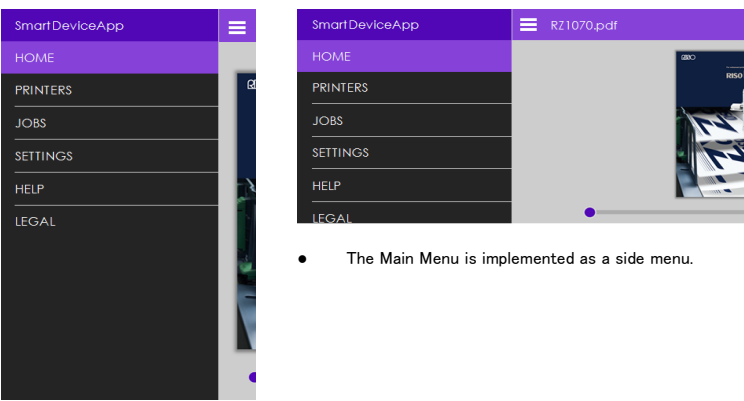
Display current and total page numbers in Page Navigation Slider

This is to prevent the user from confusing the slider with the Zoom Page functik

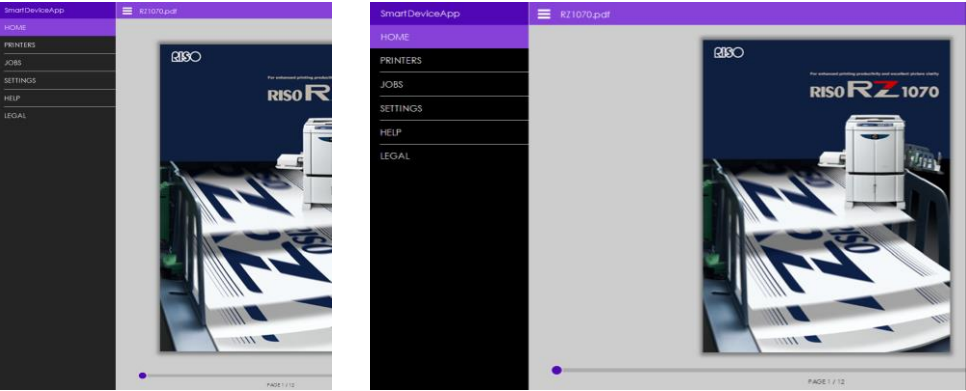
Main Menu


- A. **Concept**
The Main Menu contains the main functionalities of the app.
The Main Menu can be easily accessed from Home Screen.

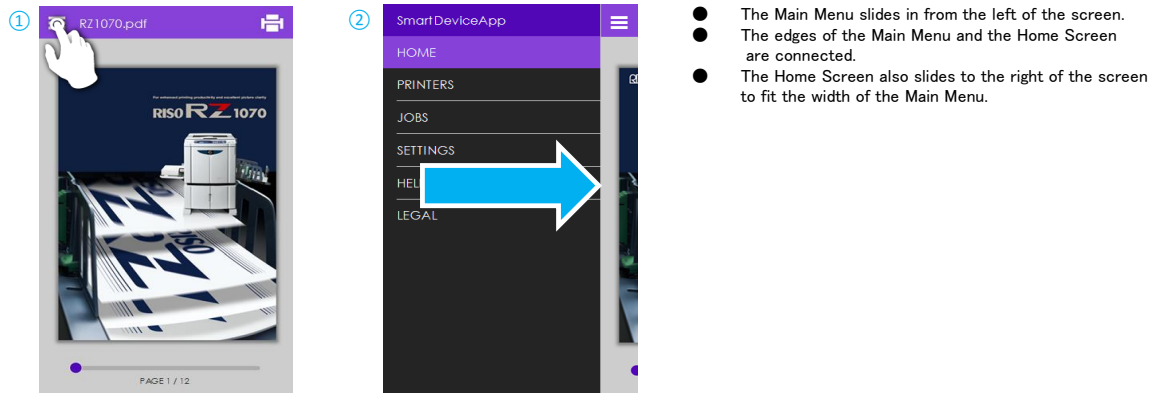
B. **UI Design**



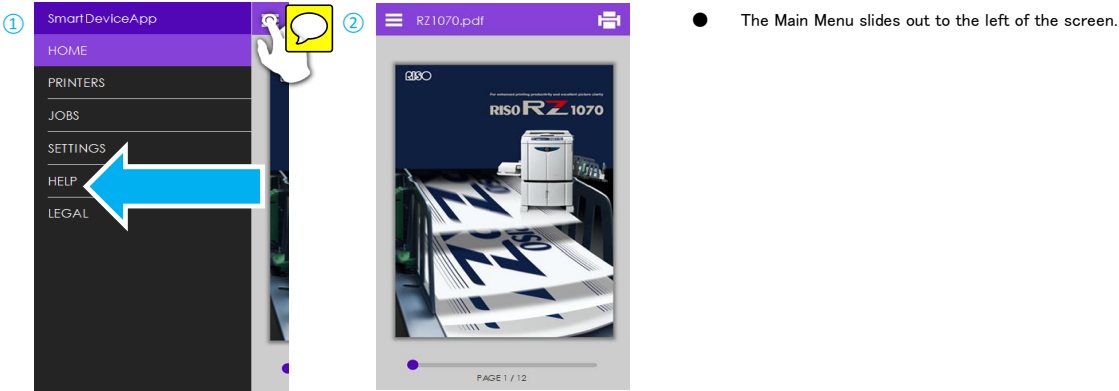
Tablet



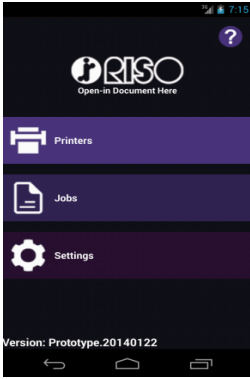
- C. **Transitions**
The Main Menu can be accessed by tapping the Main Menu Button  from the Home Screen.



Tapping the Main Menu Button again or any part of the partially shown Home Screen hides the Main Menu.



Current Prototype

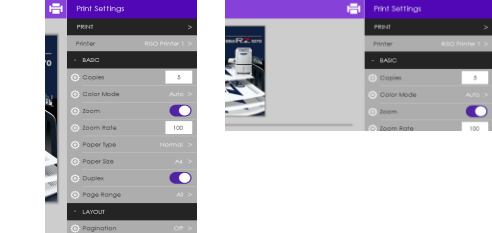


- Proposed Changes vs. Current Prototype:**
- Move main controls to side menu implementation

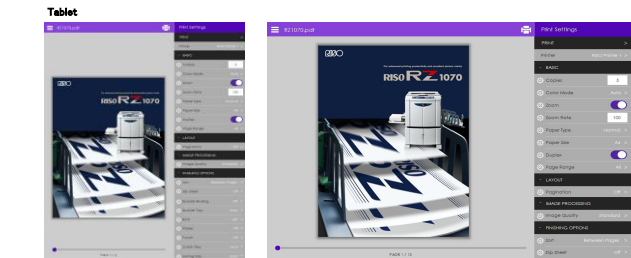
Print Settings Menu

- A. Concept
- The Print Menu contains the printing options and print settings for the current print job.

B. UI Design



- The currently selected value for the print settings are also displayed in the Print Settings Menu for easier confirmation.

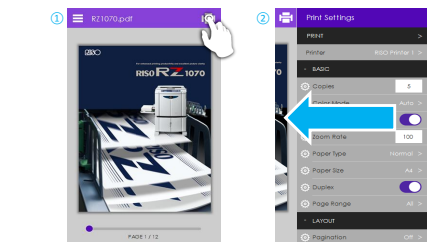


- In Tablet View, the Print Preview area is shown completely on the left side of the Print Settings Menu.
- The items in the Print Preview area will scale to fit the available width.
- The Print Settings Menu is fixed to the right side of the screen such that the user's hand which is changing the print settings will not cover the Print Preview area.

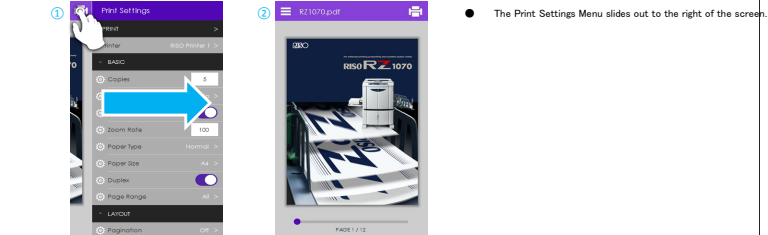
C. Transitions

The Print Settings Menu can be accessed by tapping the Print Settings B...

- The Print Settings Menu slides in from the right of the screen.
- The edges of the Print Settings Menu and the Home Screen are connected.
- The Home Screen also slides to the left of the screen to fit the width of the Print Settings Menu.

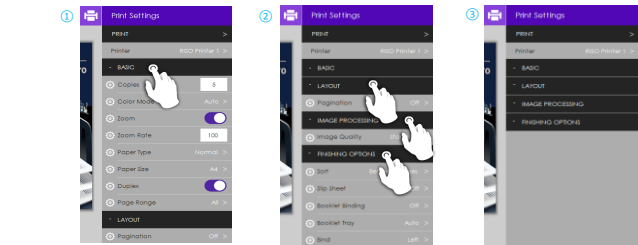


Tapping the Print Settings Menu Button again or any part of the partially shown Home Screen hides the Print Settings Menu and returns to the Home Screen.

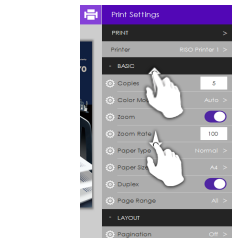


D. Navigation

Collapses/Expand Tapping each Print Setting Group But... collapses/expands the Print Settings grouped under it to enable faster viewing of Print Settings which are at the end of the Print Settings Menu list.

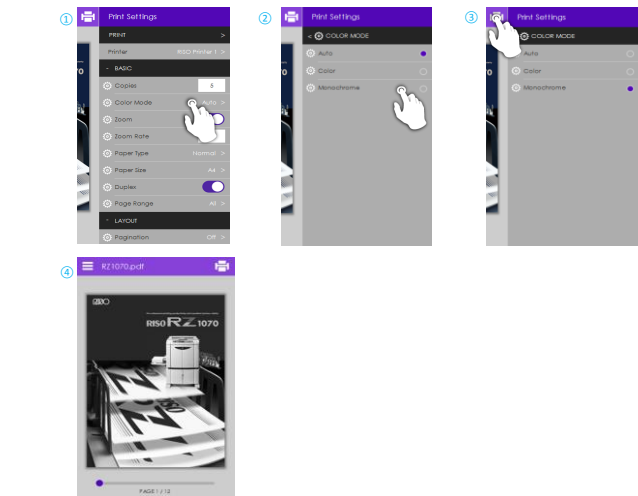


Scrolling All options in the Print Settings Menu list can also be accessed by scrolling up or down.

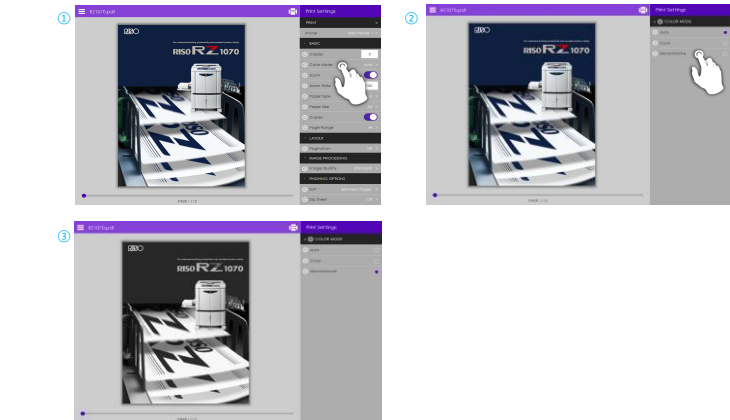


E. Changing Print Settings and Updating Print Preview

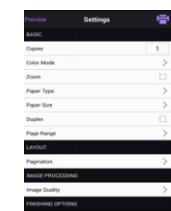
Phone In Phone View, changes in the Print Settings Menu are reflected in the Print Preview after closing the Print Settings Menu.



Tablet In Tablet View, changes in the Print Settings Menu are reflected immediately in the Print Preview.



Current Prototype



Proposed Changes vs. Current Prototype:

- Add collapse/expand function

Printers and Printer Info

- A.

Concept

Detailed information on RISO printers available in the network are available in the Printers and Printer Info Screens.

B.

UI Design

Phone

Printers

+

Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

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RISO Printer 4

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RISO Printer 5

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RISO Printer 6

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Printers

+

Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

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RISO Printer 4


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RISO Printer 5

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RISO Printer 6

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- The default printer is indicated by the dark colored button 
- The status of printers are indicated by the Status Indicator Button (green = online, gray = offline)

Tablet

RISO Printer 1

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☒

Default Print Settings:

RISO Printer 2

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 3

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 4

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 5

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 6

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 1

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☒

Default Print Settings:

RISO Printer 2

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 3

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 4

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 5

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

RISO Printer 6

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☐

Default Print Settings:

Larger image:

RISO Printer 1

IP Address: 192.168.1.24

Port: LPR

Set as Default Printer: ☒

Default Print Settings:

RISO Printer 2

IP Address: 192.168.1.24

Port: LPR

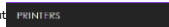
Set as Default Printer: ☐

Default Print Settings:

NOTE RISO Printer images need to be requested from RISO.

- C.

Transitions

The Printers Screen can be accessed by tapping the Printers But 

1

SmartDeviceApp

HOME

PRINTERS

JOBS

SETTINGS

HELP

LEGAL

2

Printers

+

Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

>

RISO Printer 4

>


RISO Printer 5

>

RISO Printer 6

>

• The Printers Screen slides in from the right of the screen, covering the currently displayed screen.

Tapping the Main Menu Button  hides the Printers Screen and returns to the Main Menu.

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Printers

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Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

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RISO Printer 4

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RISO Printer 5

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RISO Printer 6

>

2

SmartDeviceApp

HOME

PRINTERS


JOBS

SETTINGS

HELP

LEGAL

• The Printers Screen slides out to the right of the screen, showing the previously displayed screen.

In the Phone View, the Printer Info Screen can be accessed by tapping the Printer Info Bu  of the printer.

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Printers

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Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

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RISO Printer 4

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RISO Printer 5

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RISO Printer 6

>

2

Printer Info


Printer Name: RISO Printer 1

IP Address: 192.168.1.24

Port: LPR

Status: Online

• The Printer Info Screen slides in from the right of the screen, covering the Printers Screen.

Tapping the Back Button  hides the Printer Info Screen and returns to the Printers Screen.

1

Printer Info

Printer Name: RISO Printer 1

IP Address: 192.168.1.24

Port: LPR

Status: Online

2

Printers

+

Q

RISO Printer 1

>

RISO Printer 2

>

RISO Printer 3

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RISO Printer 4

>

RISO Printer 5

>

RISO Printer 6


>

The Printer Info Screen slides out to the right of the screen, showing the Printers Screen.

Note: The Tablet View does not have a Printer Info Screen.
To maximize the size of the tablet, the printer info is included in the Printers Screen.

D.

Changing Default Printer

Tapping the Printer Name  sets the selected printer as the default printer.

1

Printers

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Q

RISO Printer 1

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RISO Printer 2

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RISO Printer 3

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RISO Printer 4

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RISO Printer 5

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RISO Printer 6

>

2

Printers

+

Q

RISO Printer 2

>

RISO Printer 1

>

RISO Printer 3

>

RISO Printer 4

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RISO Printer 5

>

RISO Printer 6

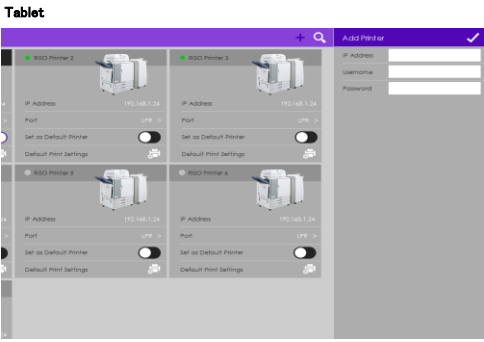
>

• The default printer is moved to the start of the Printers List for easier confirmation.

Add Printer

- A. **Concept**
Printers can be saved to the app using the Add Printer Screen.

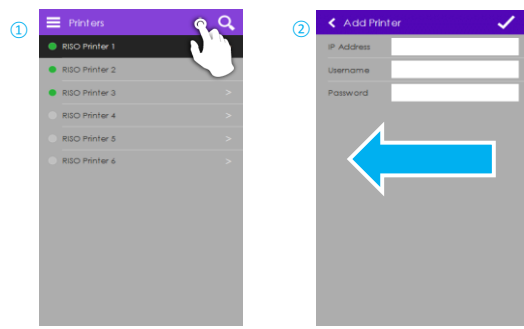
- B. **UI Design**




- In Tablet View, the Printer Screen is connected to the Add Printer Panel.
- The Printer Screen slides to the left to fit the width of the Add Printer Panel.

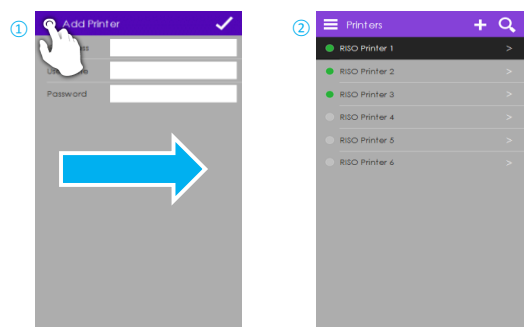
- C. **Transitions**

Phone
The Add Printer Screen can be accessed by tapping the Add Printer Button  from the Printers Screen.




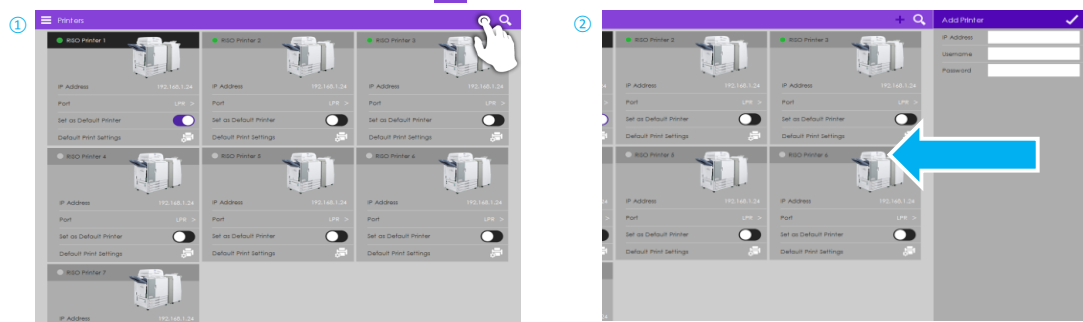
- The Add Printer Screen slides in from the right of the screen.

Tapping the Back Button  hides the Add Printer Screen or cancels the Add Printer function and returns to the Printers Screen.



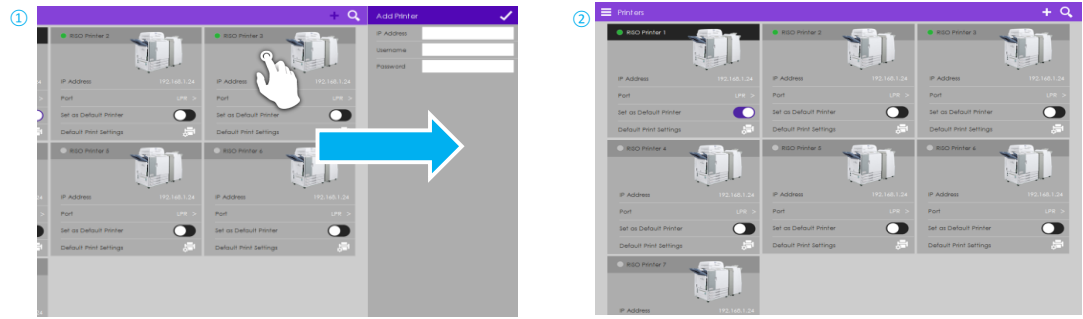
- The Add Printer Screen slides out to the right of the screen.

Tablet
The Add Printer Screen can be accessed by tapping the Add Printer Button  from the Printers Screen.





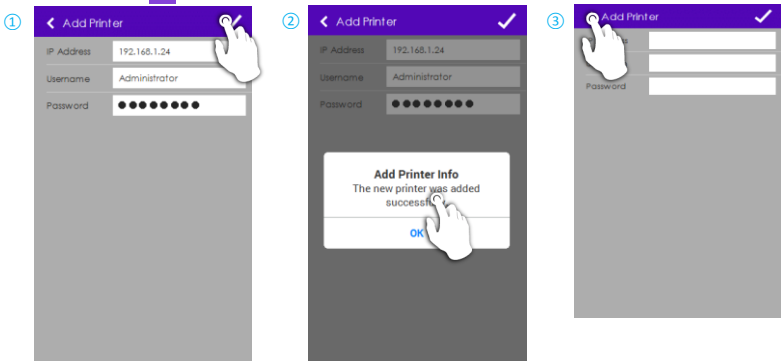
- The Add Printer Screen slides in from the right of the screen.
- The edges of the Add Printer Panel and the Printers Screen are connected.
- The Printers Screen also slides to the left of the screen to fit the width of the Add Printer Panel.

Tapping any part of the partially shown Printers Screen hides the Add Printer Panel.



- The Add Printer Panel slides out to the right of the screen.

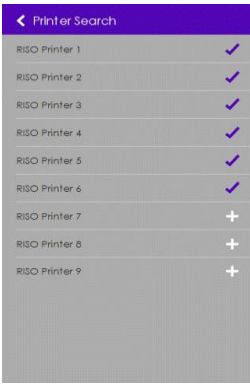
- D. **Adding a Printer**
After adding new printer details, tapping the Save Printer Button  saves the new printer to the app. A message informing the user that the operation was successful will be displayed. Tapping the Back Button  returns to the Printers Screen.



Printer Search

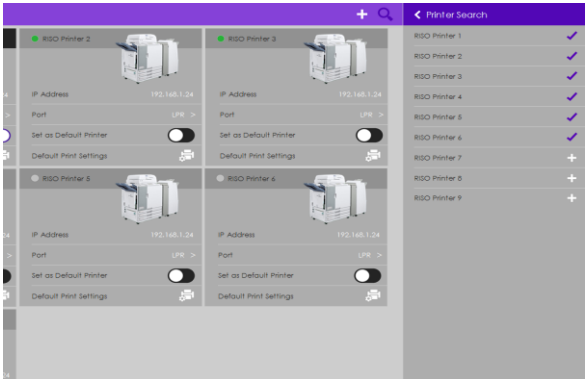
- A. **Concept**
RISO printers available in the network can be searched using the Printer Search Screen.

B. **UI Design**



- Printers which are already saved to the app are marked with the Added Printer Status Indicator.

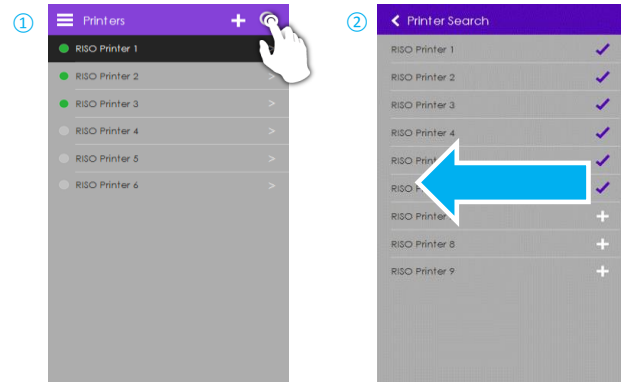
Tablet



- In Tablet View, the Printer Screen is connected to the Printer Search Panel.
- The Printer Screen slides to the left to fit the width of the Printer Search Panel.

C. **Transitions**

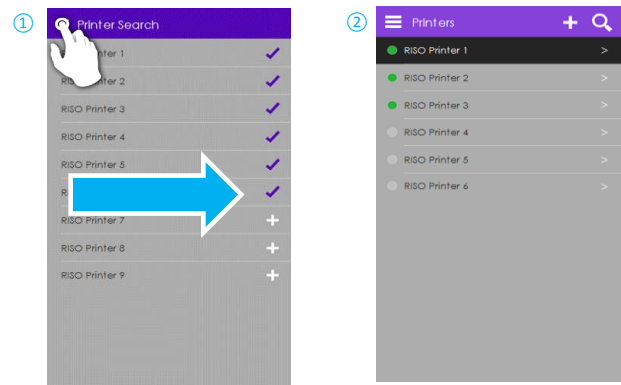
The Printer Search Screen can be accessed by tapping the Printer Search Button



from the Printers Screen.

- The Printer Search Screen slides in from the right of the screen.

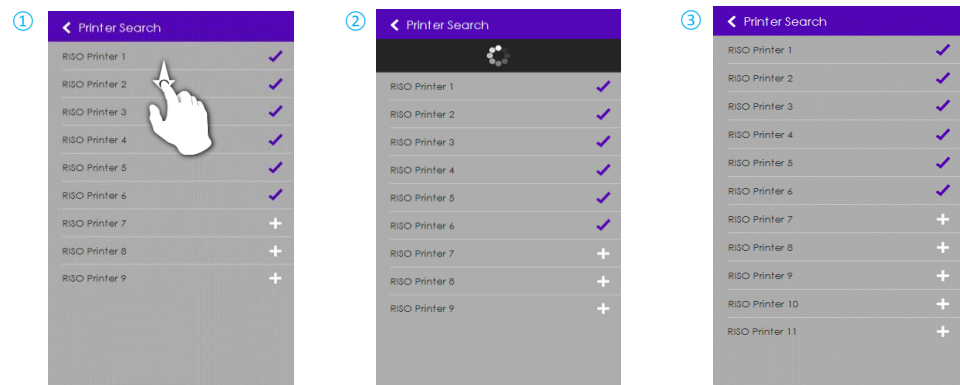
Tapping the Back Button hides the Printer Search Screen or cancels the Printer Search function and returns to the Printers Screen.



- The Printer Search Screen slides out to the right of the screen.

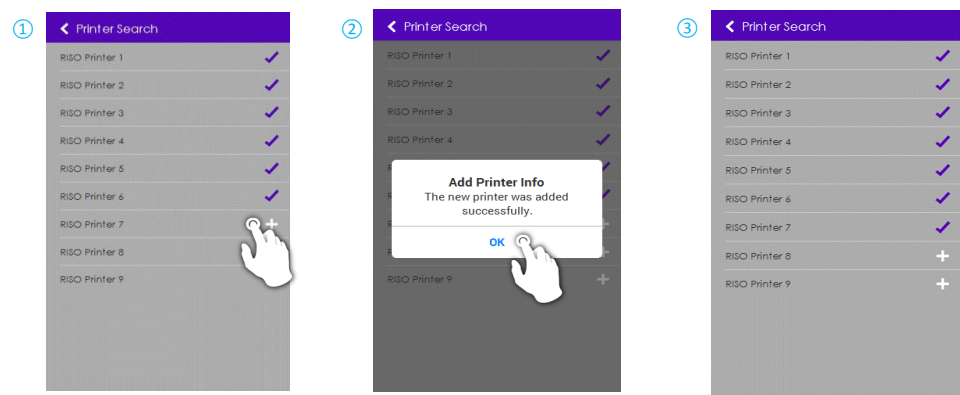
D. **Refreshing Printer Search Results**

The printer search results can be refreshed by swiping down (Pull to Refresh) the Printer Search Results list.



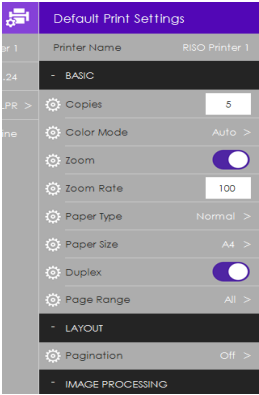
E. **Adding a Printer from Printer Search Results**

Tapping a printer with an Add Printer Button saves the selected printer to the app. A message informing the user that the operation was successful will be displayed.



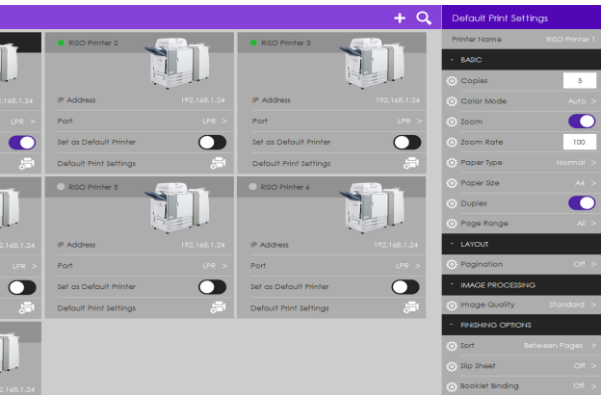
Default Print Settings Menu


- A. Concept
- Default print settings for each printer saved in the app can be viewed or changed using the Default Print Settings Menu.
- B. UI Design
- Phone

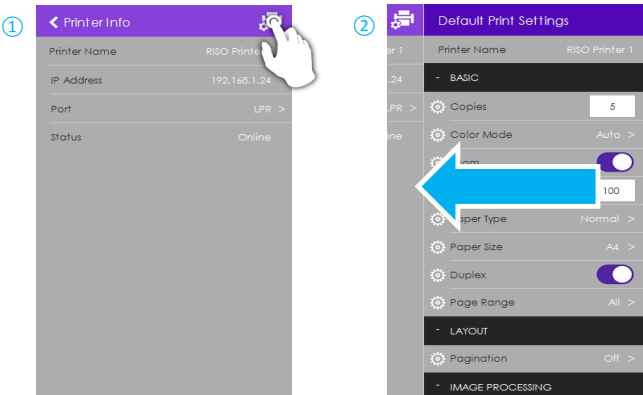


- The Default Print Settings Menu is similar to the Print Settings Menu, except for the Print Button present in the Print Settings Menu.

Tablet

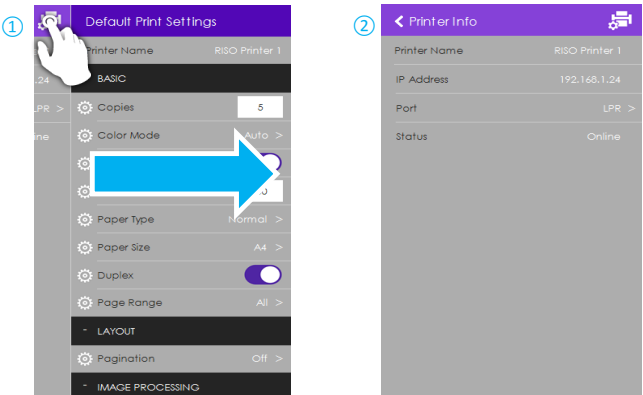


- C. Transitions
- In the Phone View, the Default Print Settings Menu can be accessed by tapping the Default Print Settings  from the Printer Info Screen.



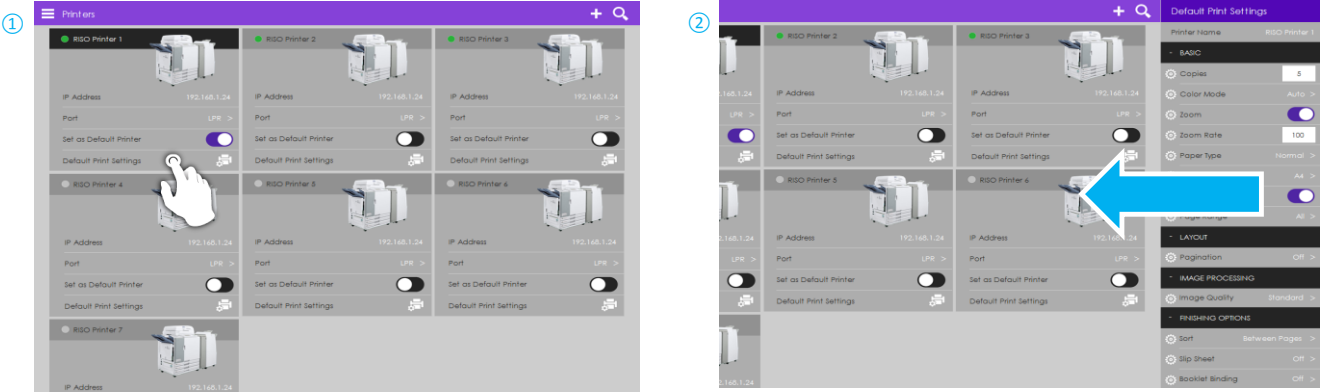
- The Default Print Settings Menu slides in from the right of the screen.
- The edges of the Default Print Settings Menu and the Printer Info Screen are connected.
- The Printer Info Screen also slides to the left of the screen to fit the width of the Default Print Settings Menu.

Tapping the Default Print Settings Menu Button again or any part of the partially shown Printer Screen hides the Default Print Settings Menu and returns to the Printer Info Screen.



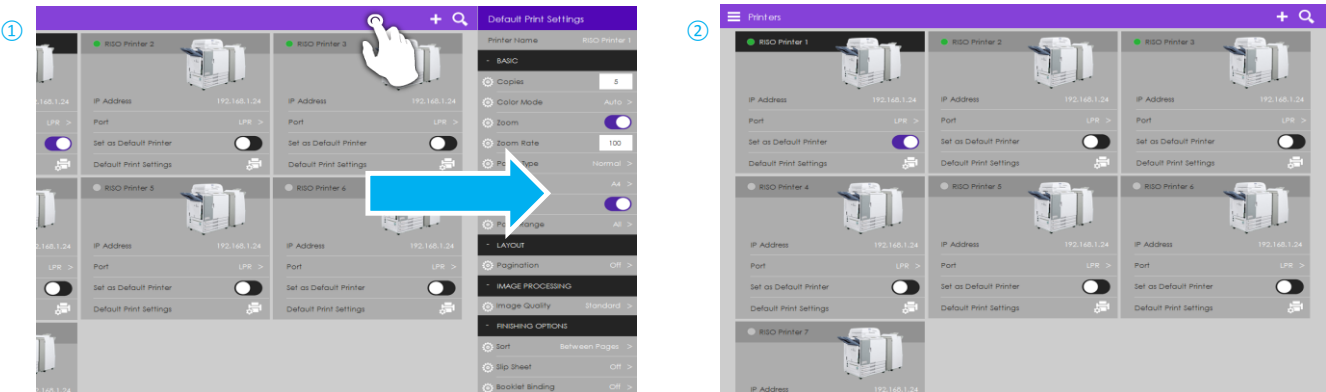
- The Default Print Settings Menu slides out to the right of the screen.

In the Tablet View, the Default Print Settings Menu can be accessed by tapping the Default Print Settings  from the Printers Screen.



- The Default Print Settings Menu slides in from the right of the screen.
- The edges of the Default Print Settings Menu and the Printers Screen are connected.
- The Printers Screen also slides to the left of the screen to fit the width of the Default Print Settings Menu.

Tapping any part of the partially shown Printers Screen hides the Default Print Settings Menu.

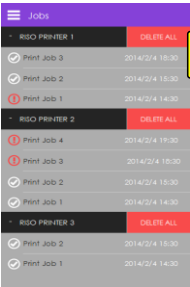


Jobs Menu

- A. **Concept**
Print jobs processed in the app can be viewed or deleted in the Print Jobs Screen.

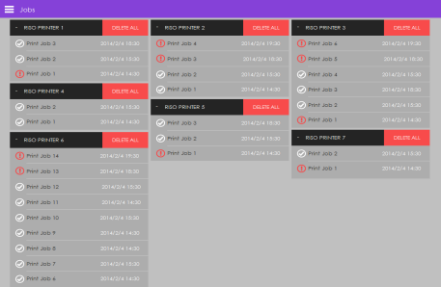
- B. **UI Design**

Phone



Print jobs are grouped by printer
The date and time when the print job was sent are shown
The status of the print job are indicated (Check: Successful, !: Error)

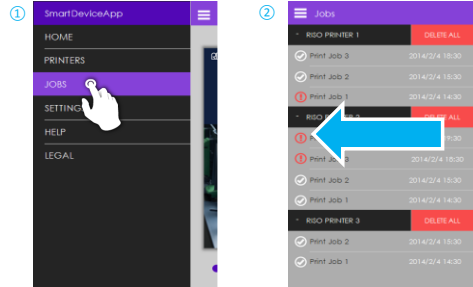
Tablet



- Tablet Landscape View: 3 columns
- Tablet Portrait View: 2 columns

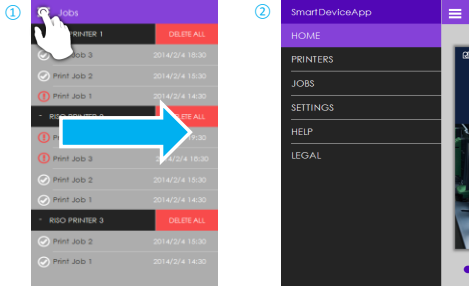
- The Home Screen slides to the right to fit the width of the Jobs Panel.

- G. **Transitions**
The Jobs Menu can be accessed by tapping the Jobs Button



- The Jobs Menu slides in from the right of the screen.

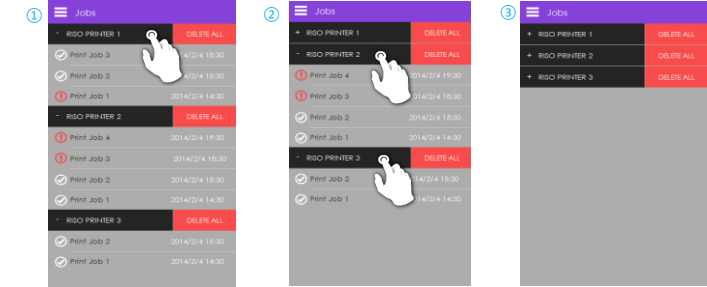
Tapping the Back Button < hides the Jobs Menu and returns to the Main Menu.



- The Jobs Menu slides out to the right of the screen.

- D. **Navigation**

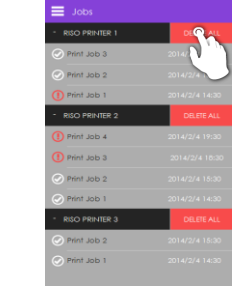
Tapping each Print Job Group Button collapses/expands the print jobs grouped under it.



- E. **Deleting Print Jobs**

Delete Per Print Job

All print jobs for a printer can be deleted at the same time by tapping the Delete All Button for the selected printer.



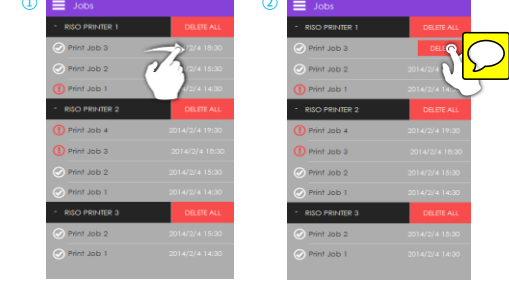
Delete Per Printer

Swiping left on each Print Job Button



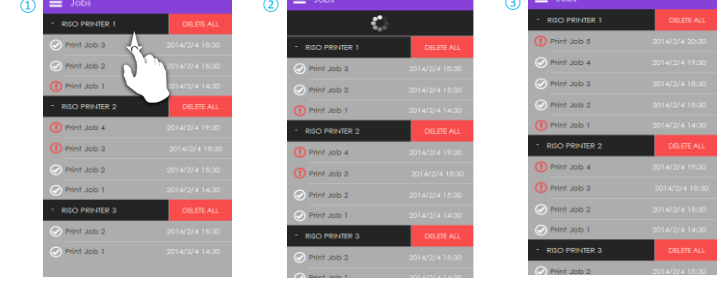
shows the Delete Button

for each print job.



- F. **Refreshing Print Jobs**

The print jobs list can be refreshed by swiping down (Pull to Refresh) the Print Jobs list.



Settings Menu

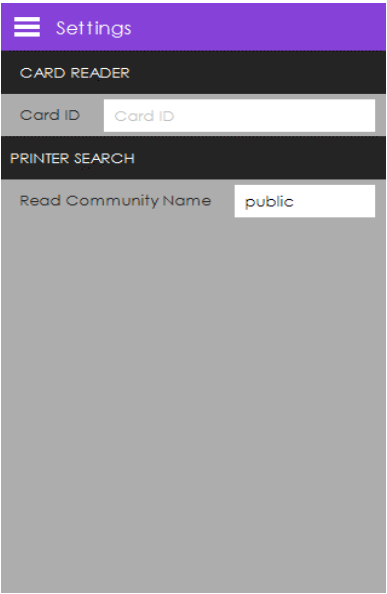
- A.

Concept

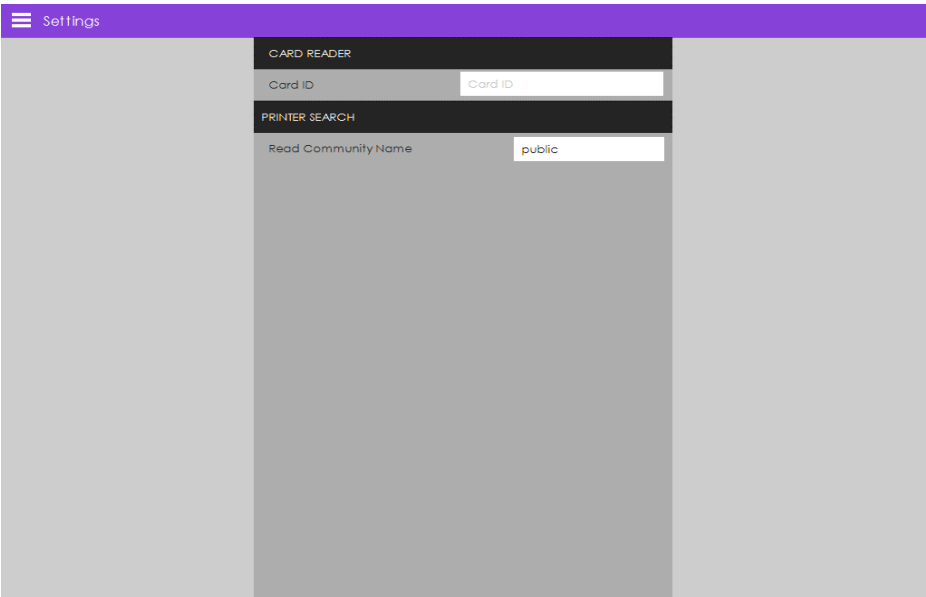
App settings can be viewed or changed using the Settings Menu.
- B.

UI Design

Phone



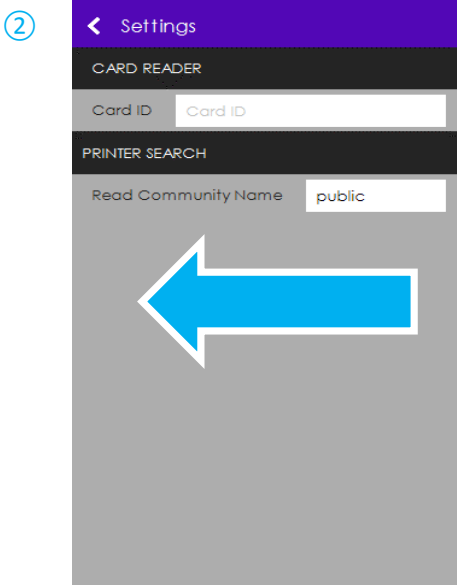
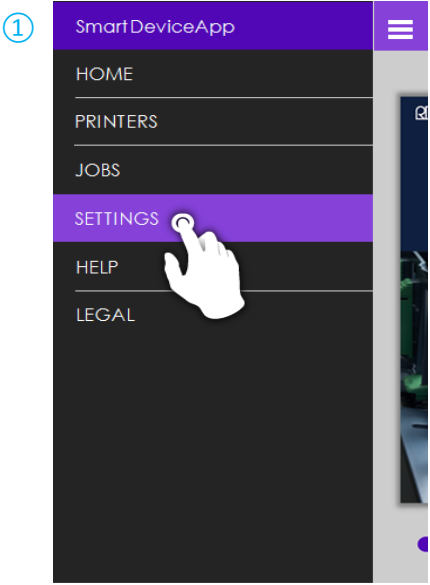
Tablet




- C.

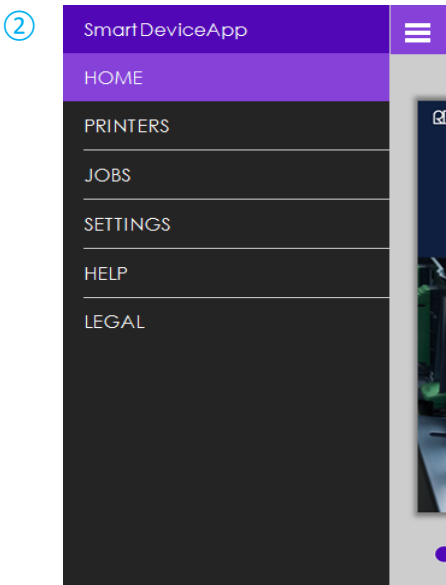
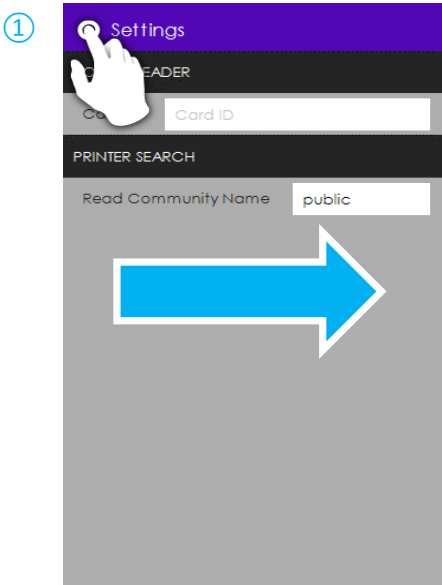
Transitions

The Settings Menu can be accessed by tapping the Settings Button  from the Home Screen.



- The Settings Menu slides in from the right of the screen.

Tapping the Back Button  hides the Settings Menu and returns to the Main Menu.



- The Settings Menu slides out to the right of the screen.