

Pixelworks VueMagic™ Mobile Presenter (Android) User's Guide



Summary		04 November 2013
	This user's guide describes how to use the Pro version of the Pixelworks VueMagic™ Mobile Presenter (Android) application. A Samsung Note 8 is used as an example use case.	

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1 Introduction

Pixelworks VueMagic™ Mobile Presenter (Android) is an application that runs on Android mobile devices and allows users to easily and conveniently display content from their Android mobile devices and share or present information to any compatible projector. For the latest list of compatible projectors, visit <http://PWPresenter.pixelworks.com>.

VueMagic™ Mobile Presenter (Android) is a true PC-Less presentation tool. The user does not need to have a PC or Mac to make presentations or share documents. Instead, the Android mobile devices can output the display directly to the Wi-Fi enabled projector.

VueMagic™ Mobile Presenter (Android) can easily share or present a variety of common document formats, including images and photos, PDFs, and web pages. Users can open files to display using a variety of sources, including opening directly from email programs, and cloud services such as Dropbox.

VueMagic™ Mobile Presenter (Android) **Pro** is the full featured professional application supporting much broader file format capabilities as well as more advanced features such as annotation and network based presentations. The **Pro** version is not free of charge.

This document provides a guide on how to use v1.1 of Pixelworks VueMagic™ Mobile Presenter (Android).

2 Specifications

2.1 Supported OS Versions

- Android 2.3.3 to Android 4.3

2.2 Supported Android Mobile Devices

As tested, the following mobile devices are supported. It is possible that other mobile devices may also be supported.

- Samsung Galaxy S2
- Samsung Galaxy Note2
- Samsung Galaxy S4
- Samsung Galaxy Tab 2 7.0
- Samsung Galaxy Note 8.0
- Acer Iconia Tab A500
- ASUS Transformer Pad Infinity TF700T
- Sony Xperia Tablet Z

2.3 Supported File Formats

- Document files

- Adobe® PDF

- Image files

- .png, .gif, .bmp (resolutions less than 3Kx3K or 9 megapixels)

- .jpeg (resolutions less than 6Kx6K or 36 megapixels)

3 Features

Below are the features of Pixelworks VueMagic™ Mobile Presenter (Android) **Pro**:

- Document presentation

Adobe® PDF format is supported.

- Image/photo presentation or slideshow

Multiple types of images are supported, including the photos stored on the local Android mobile device.

- Viewing web pages

Web pages can be presented to the projector when both the Android mobile device and projector are connected to the same LAN or Wi-Fi network. The compatible projector must support LAN or Infrastructure mode.

- Adobe® PDF and album slideshow

- Comment mode

Annotations can be added to the document being displayed on the Android mobile device. The annotations will be synchronized to the connected projector.

- File presentation from third-party applications

By launching Pixelworks VueMagic™ Mobile Presenter (Android) **Pro** in third-party applications, files can be displayed to the projector from these third-party applications. For example, an email file attachment can be displayed to the connected projector from the Android mobile device.

- Login Code

When the Login Code feature is enabled on the projector side, Pixelworks VueMagic™ Mobile Presenter (Android) **Pro** will detect this secure setting and display a dialog to input the login code for added security to ensure the displayed confidential content is matched to the intended projector.

4 GUI Layout

4.1 Components in the Main View

Figure 1 shows the components in the **Main View** screen of VueMagic™ Mobile Presenter (Android) with explanations for each button function listed below.



Figure 1. Components in the Main View Screen

File List Button: Enters the **File List View** to see the list of local files to display.

Projector List Button: Enters the **Projector List View** to see searched list of available supported projectors.

Comment Mode Button: Enters the Comment Mode to annotate documents.

About Button: Enters the **About View** which displays information about the application.

4.2 Projector List View

The **Projector List View** displays the projectors searched by VueMagic™ Mobile Presenter (Android) in the same subnet as shown in [Figure 2](#). Users can drag down to refresh the list of available projectors.

There are two icons to indicate the connection status of available projectors. See [Figure 3](#) and [Figure 4](#).



Figure 2. Projector List View



Figure 3. Status Indicator of Projector Connected in Foreground



Figure 4. Status Indicator of Projector Connected in Background

4.3 File List View

The **File List View** displays the available files stored locally on the Android mobile device as shown in [Figure 5](#).



Figure 5. File List View

4.4 About View

The **About View** displays the information about VueMagic™ Mobile Presenter (Android), such as the application version number as shown in [Figure 6](#).

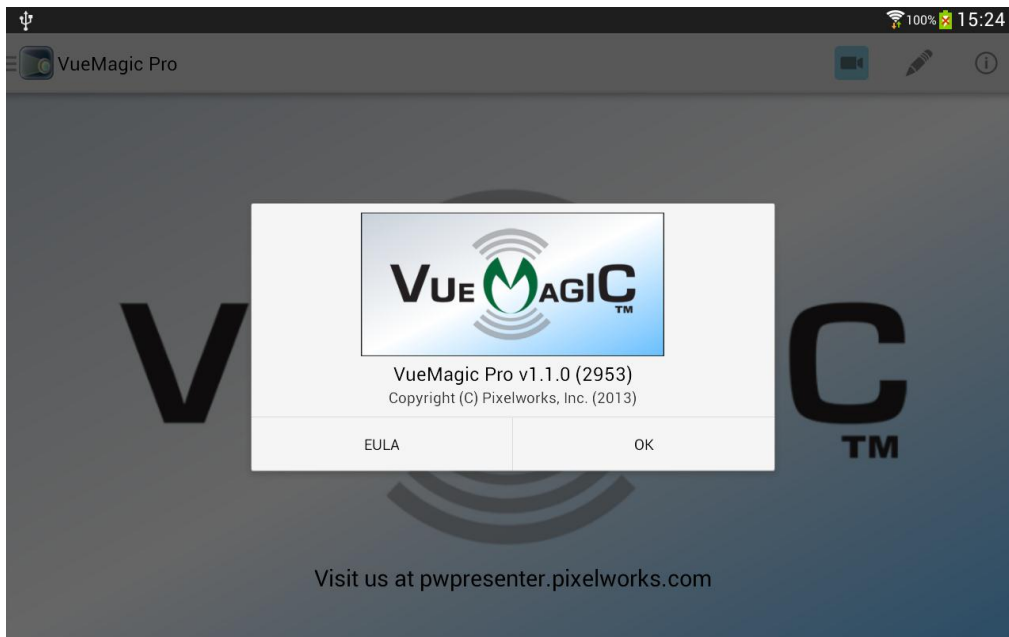


Figure 6. About View

4.5 Components in the File View

When users are viewing a file, the **File View** screen of VueMagic™ Mobile Presenter (Android) is as shown in Figure 7, with explanations for the control button function listed below.

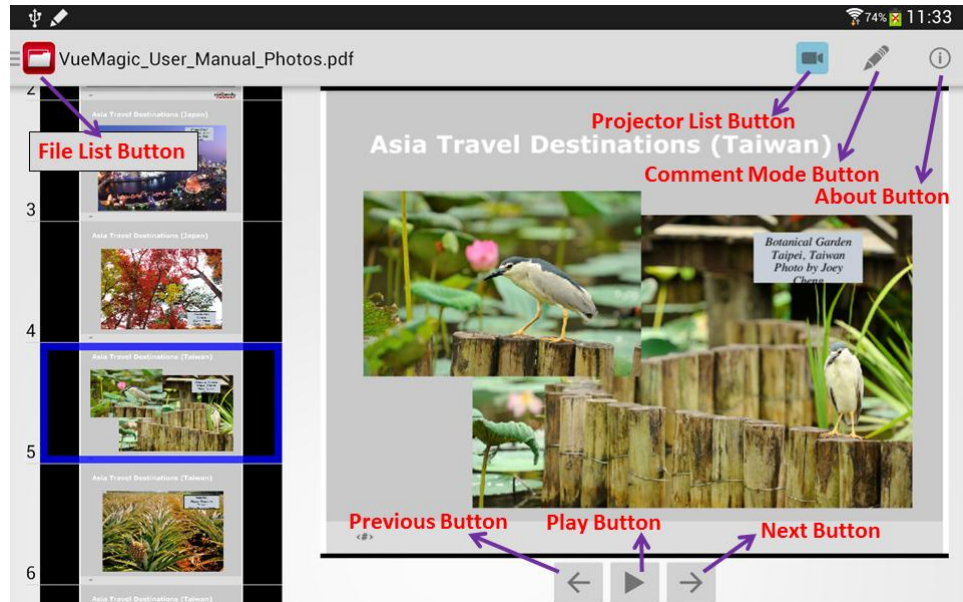


Figure 7. Components in the File View Screen

Previous Button: Used when the user tries to navigate to the previous page or image.

Play Button: Used to start the slideshow display.

Next Button: Used when the user tries to navigate to the next page or image.

4.6 Components in the Web Page View

When users are viewing a web page, the **Web Page View** screen of VueMagic™ Mobile Presenter (Android) is as shown in [Figure 8](#), with explanations for the control button function listed below.

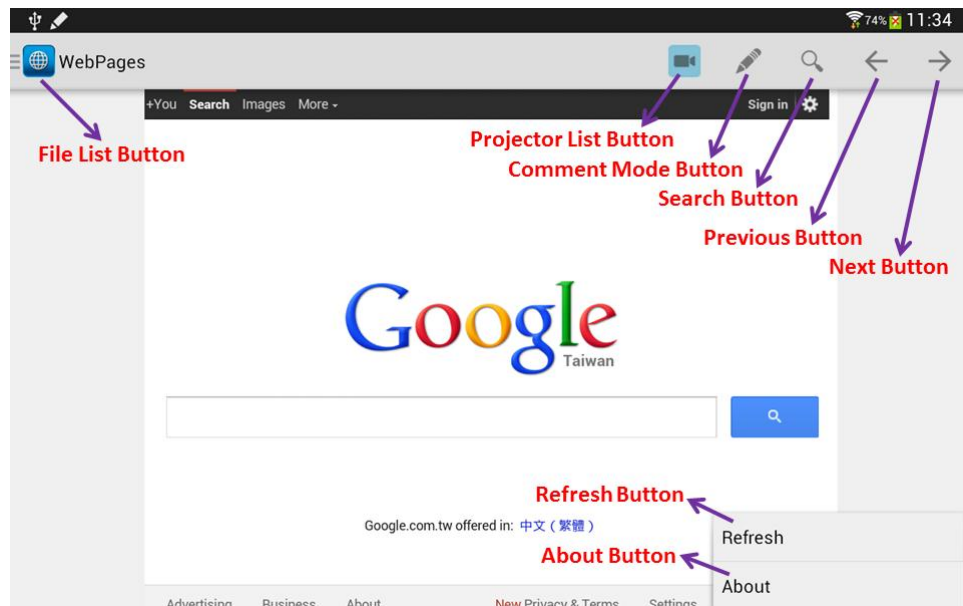


Figure 8. Components in the Web Page View Screen

Search Button: Used when the user tries to input a new web address on the web page.

Previous Button: Used when the user tries to navigate to the previous web page.

Next Button: Used when the user tries to navigate to the next web page.

Refresh Button: Used when the user tries to refresh the current web page.

4.7 Display Region View

When the user tries to connect to a network display by pressing the projector in the **Projector List View**, the existing session will be reconnected or a new session will be established. At the same time, the display region view will be shown. This view allows the user to configure different display regions if the network display device supports the N_TO_1 connection capability as shown in [Figure 9](#).



Figure 9. Display Region View

When the desired display region is selected, VueMagic™ Mobile Presenter (Android) will connect to the network display with the selected display region.

5 Preparing to Use VueMagic™ Mobile Presenter (Android)

After downloading and installing the VueMagic™ Mobile Presenter (Android) application from the Google Play, the user will need to make several preparations before starting a presentation or sharing documents to a projector. The steps below should be followed:

1. Connect the Android mobile device to the Wi-Fi network which is in the same subnet as the target projector. The user must properly select and log into one of the available Wi-Fi networks on the Android mobile device as shown in [Figure 10](#).



Figure 10. Selecting a Wi-Fi Network

2. Launch the VueMagic™ Mobile Presenter (Android) application on the Android mobile device by touching the VueMagic™ icon as shown in [Figure 11](#).

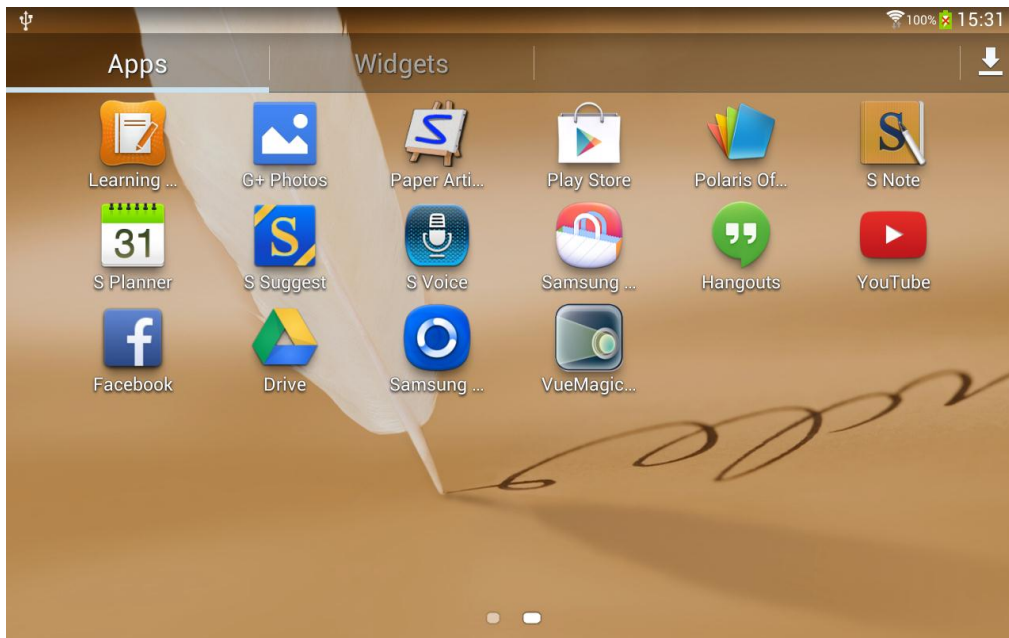


Figure 11. Launching VueMagic™ Mobile Presenter (Android) on Android Mobile Device

3. Tap on the **Projector List** button to enter the **Projector List View**. Drag down to refresh the projector list.
4. Select the desired projector.

5. Input the 4-digit login code on the Android mobile device if prompted to match the intended Wi-Fi enabled projector. The login code can be enabled on the selected projector to avoid misconnection to the wrong projector that may be located in a different meeting room. This provides added security for confidential meetings and documents. [Figure 12](#) shows an example of the login code prompt displayed on the Android mobile device screen (bottom left) and the login code presented on the projector screen (top right).

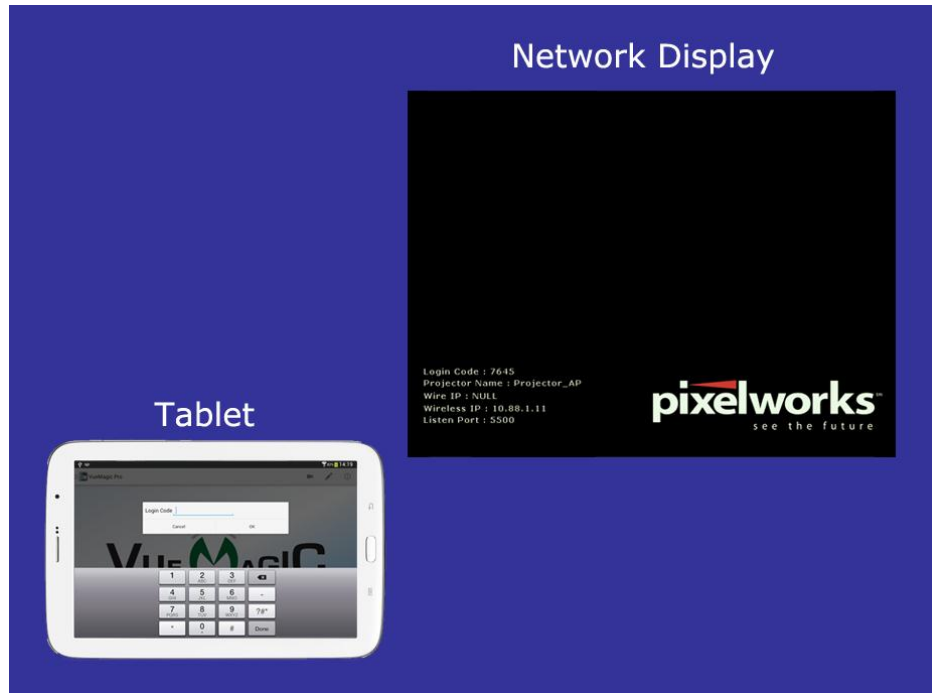


Figure 12. Login Code Input Prompt

When the Android mobile device is properly connected to a projector, a video camera icon will be displayed next to the projector name as shown in [Figure 13](#).



Figure 13. Status Indicator of Connected Projector

After the above preparations have been completed, the user is now ready to start presenting or sharing documents using VueMagic™ Mobile Presenter (Android).

6 Use Cases

6.1 Presenting Files Imported from PC by Using USB Cable

To present files imported from PC:

1. Open Windows Explorer on PC.
2. Copy the files to be imported as shown in [Figure 14](#).

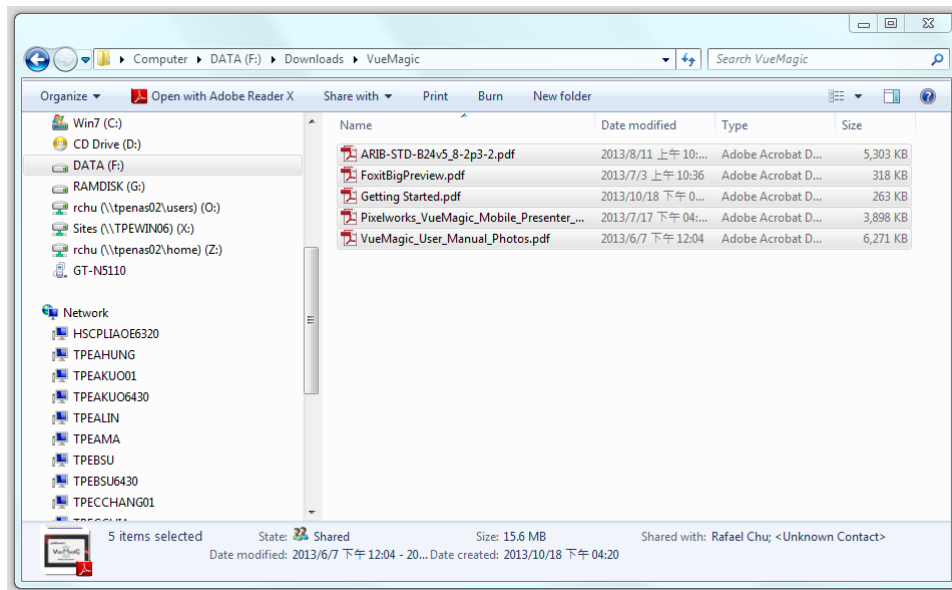


Figure 14. Selecting Files from Windows Explorer

3. Change to the Android device storage.
4. Select the folder and paste the files as shown in [Figure 15](#). The selected files will be synchronized to VueMagic™ Mobile Presenter (Android).

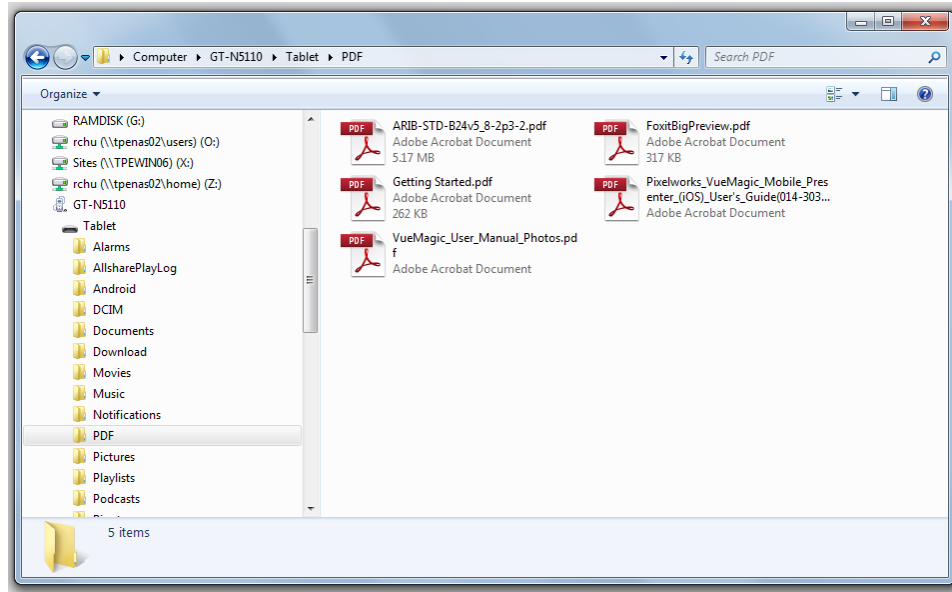


Figure 15. Synchronizing Files to Andorid Mobile Device

5. Tap the **File List View** and select “Documents” to select the file as shown in [Figure 16](#) and [Figure 17](#).

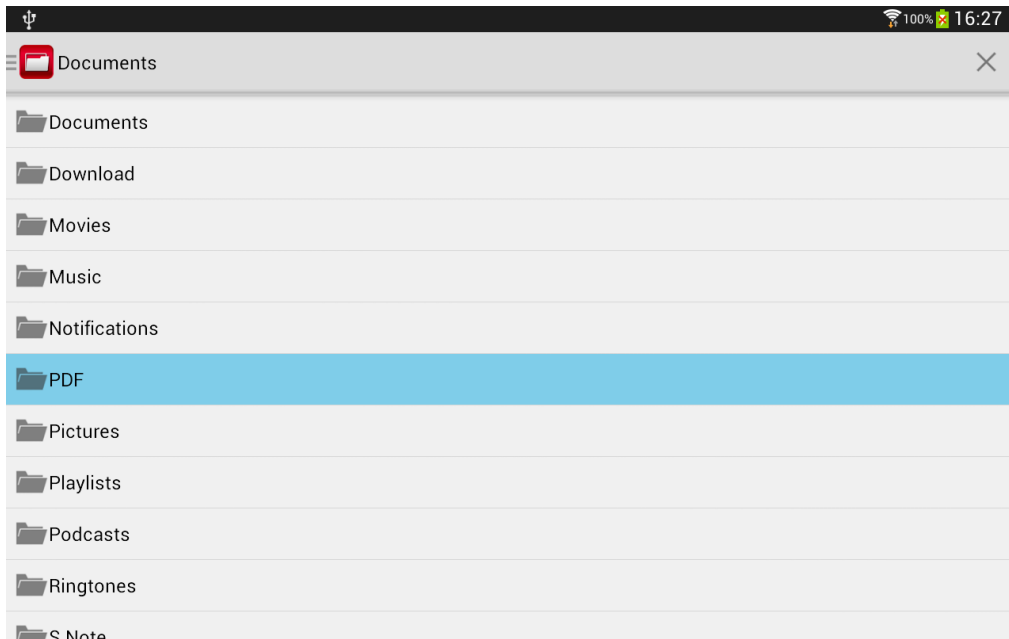


Figure 16. File List on Android Mobile Device

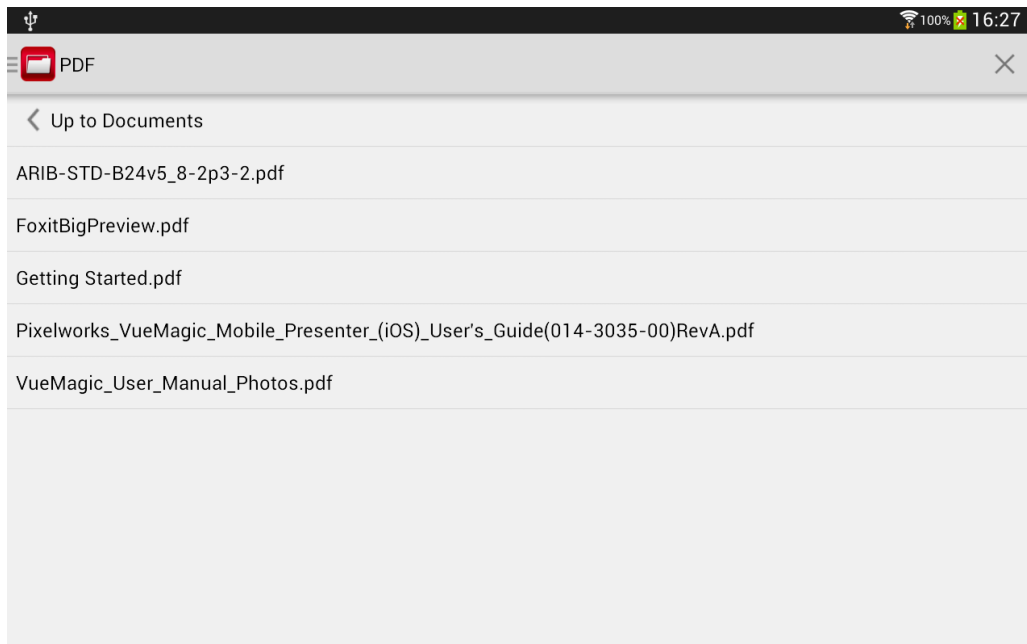


Figure 17. Detailed File List on Android Mobile Device

6. Select a file to start the presentation. The file will be displayed on both the Android mobile device and the connected projector, as shown in [Figure 18](#), where the bottom left area indicates the screen of the Android mobile device and the top right area denotes the projector screen.

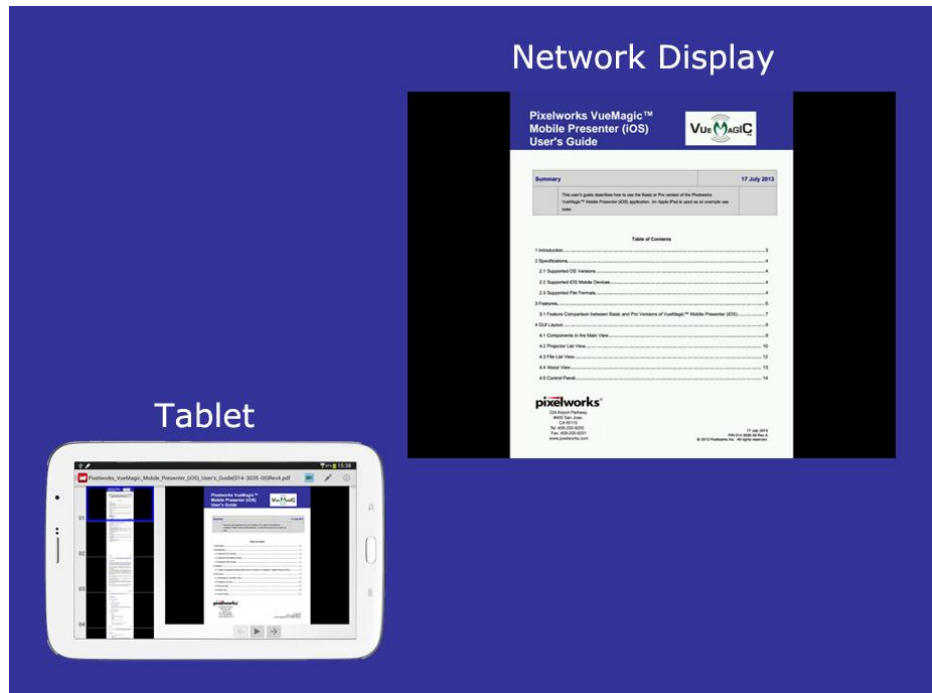


Figure 18. File Synchronized on Android Mobile Device and Connected Projector

6.2 Presenting Files Imported from Mac by Using USB Cable

To present files imported from Mac:

1. Open Finder on Mac.
2. Open Android File Transfer on Mac. If it is not installed on Mac, download it from <http://www.android.com/filetransfer/>.
3. Drag the files to be imported from Finder to Android File Transfer as shown in Figure 19. The selected files will be synchronized to VueMagic™ Mobile Presenter (Android).

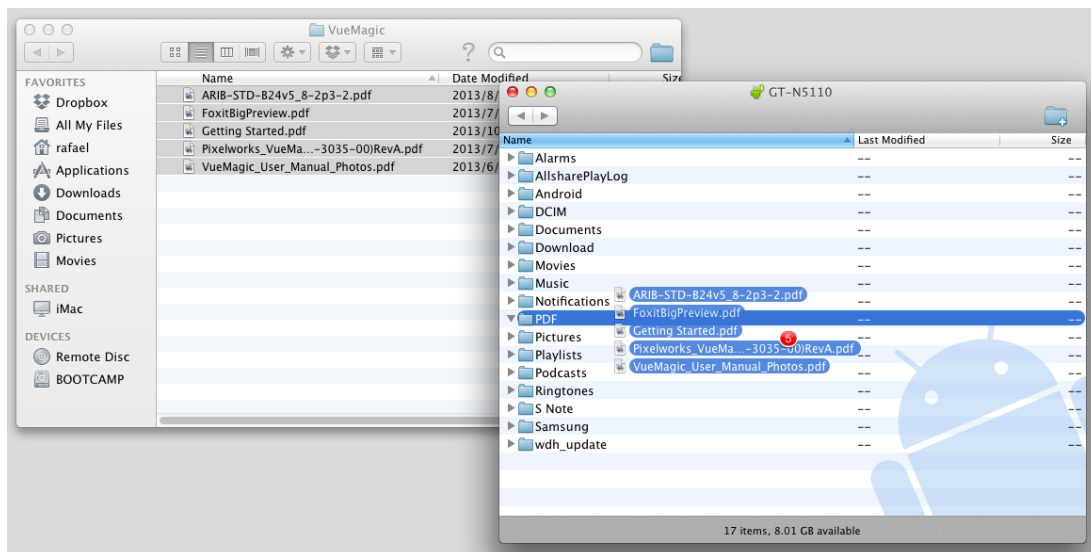


Figure 19. Dragging Files from Finder to Android Mobile Device

4. Tap the **File List View** and select “Documents” to select the file as shown in [Figure 20](#) and [Figure 21](#).

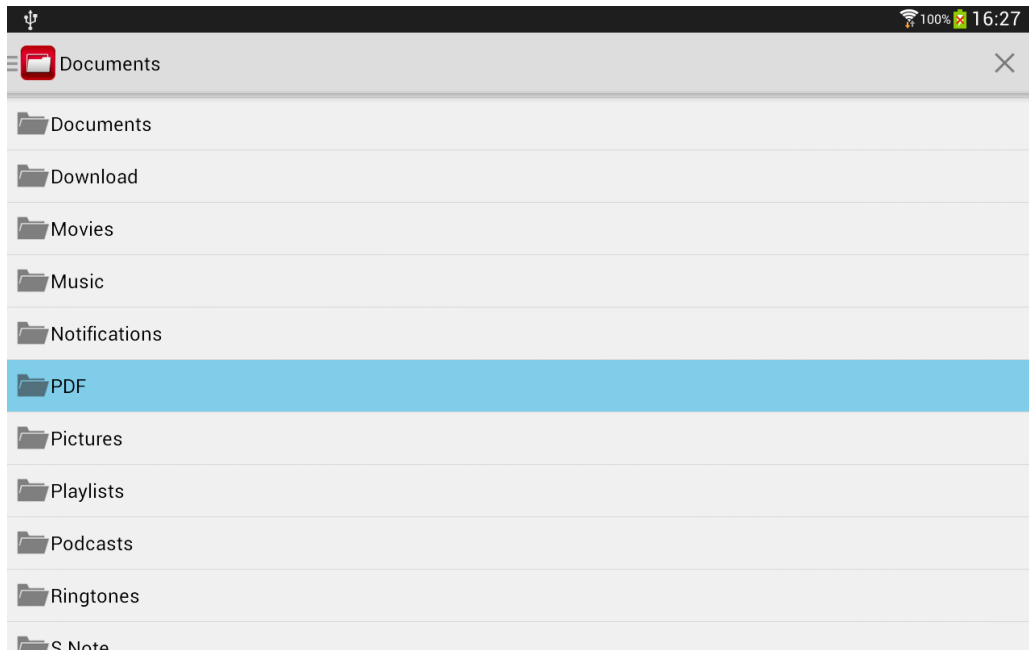


Figure 20. File List on Android Mobile Device

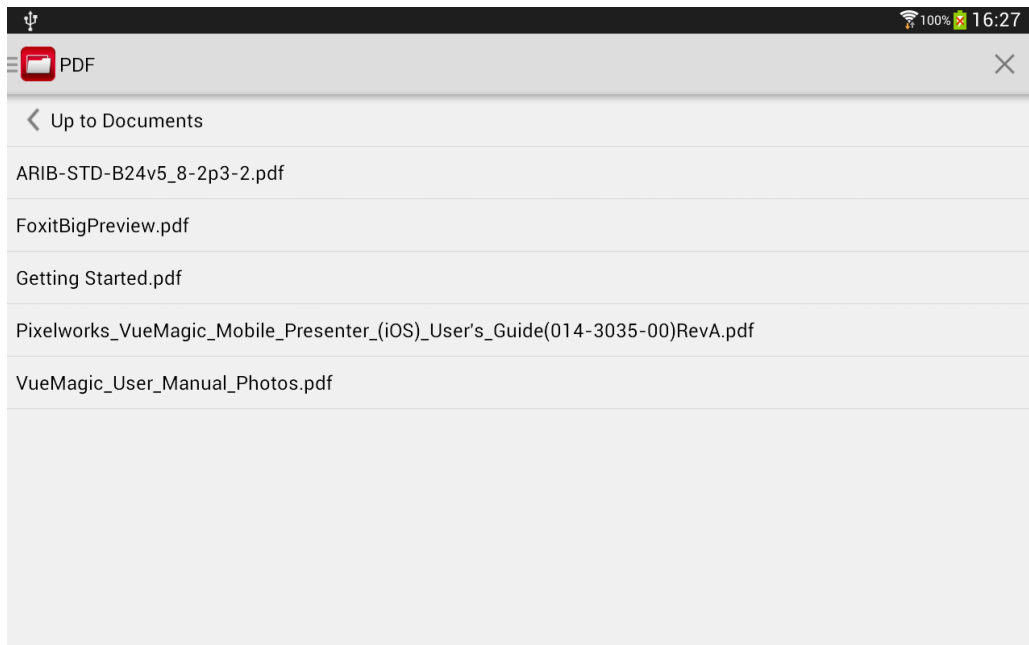


Figure 21. Detailed File List on Android Mobile Device

5. Select a file to start the presentation. The file will be displayed on both the Android mobile device and the connected projector, as shown in [Figure 22](#), where the bottom left area indicates the screen of the Android mobile device and the top right area denotes the projector screen.

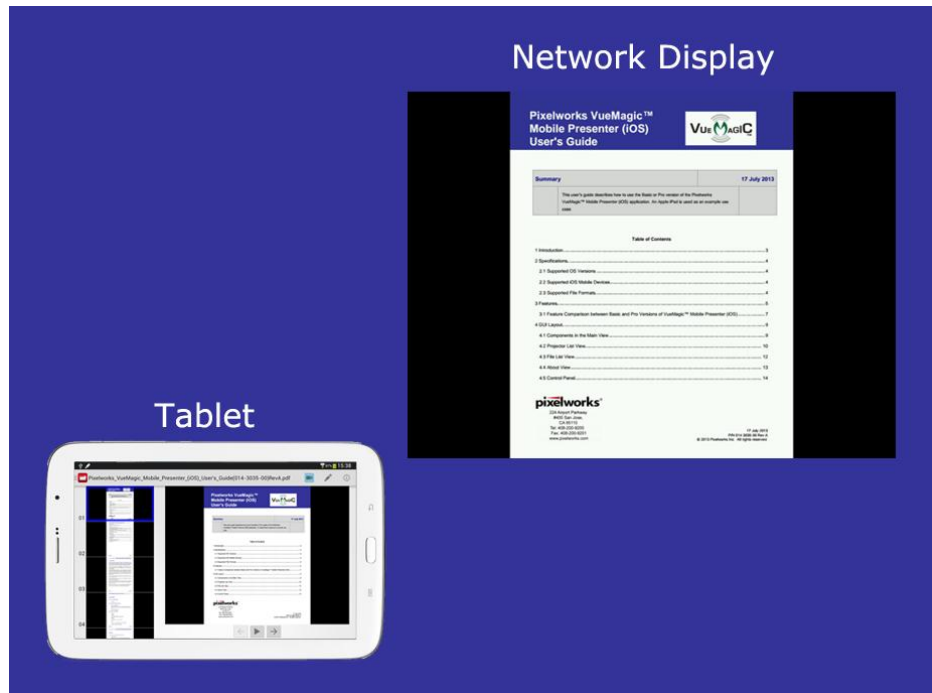


Figure 22. File Synchronized on Android Mobile Device and Connected Projector

6.3 Presenting Files Sent from PC or Mac (Email File Attachment)

To present files sent from PC or Mac:

1. Open Microsoft® Outlook® on PC or Mac. Create a new email and attach the files as shown in

Figure 23.

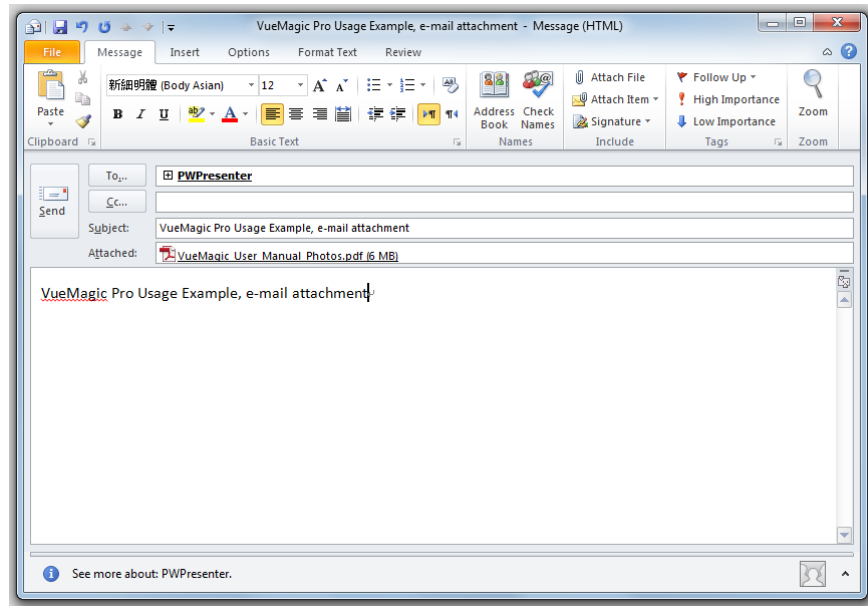


Figure 23. Attaching Files in Email

2. Send the email and receive it on the Android mobile device as shown in [Figure 24](#).

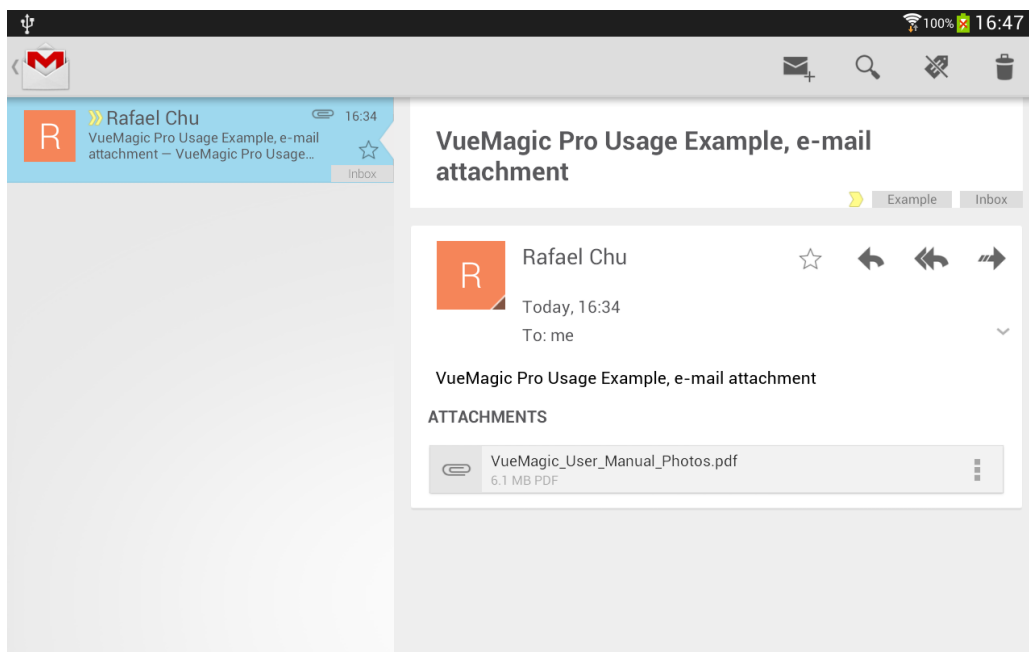


Figure 24. Receiving an Email on the Android Mobile Device

3. Open the email in the Inbox. Then open the file attachment by tapping it and the application selection window pops up as shown in [Figure 25](#).

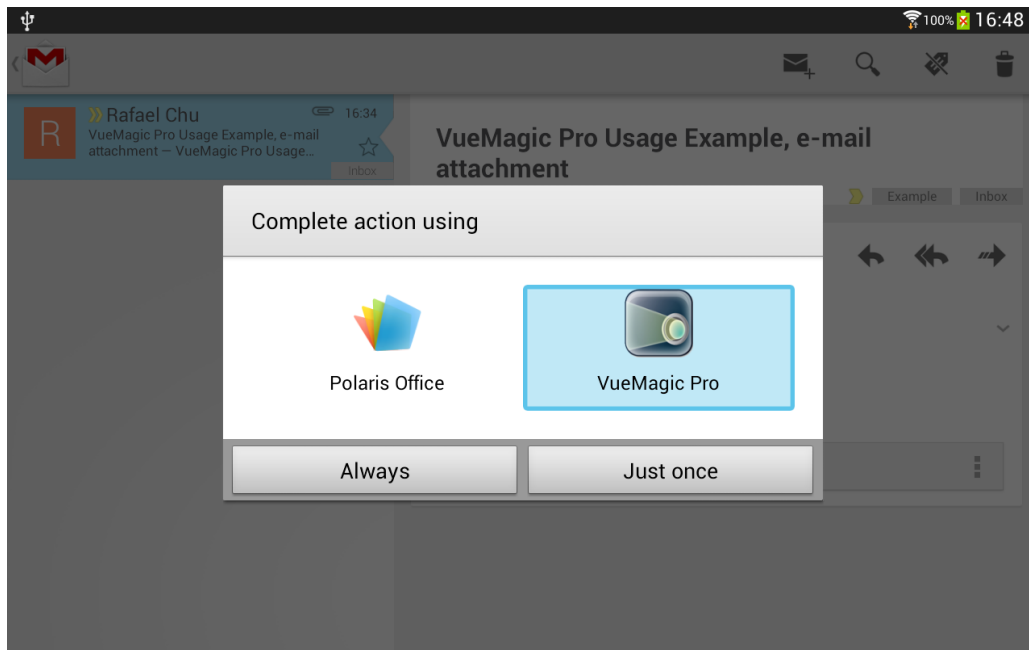


Figure 25. Opening a File Attachment on the Android Mobile Device

4. Select "Always" or "Just once" in the application selection window. A user prompt will pop up, asking to connect to a projector as shown in [Figure 26](#).

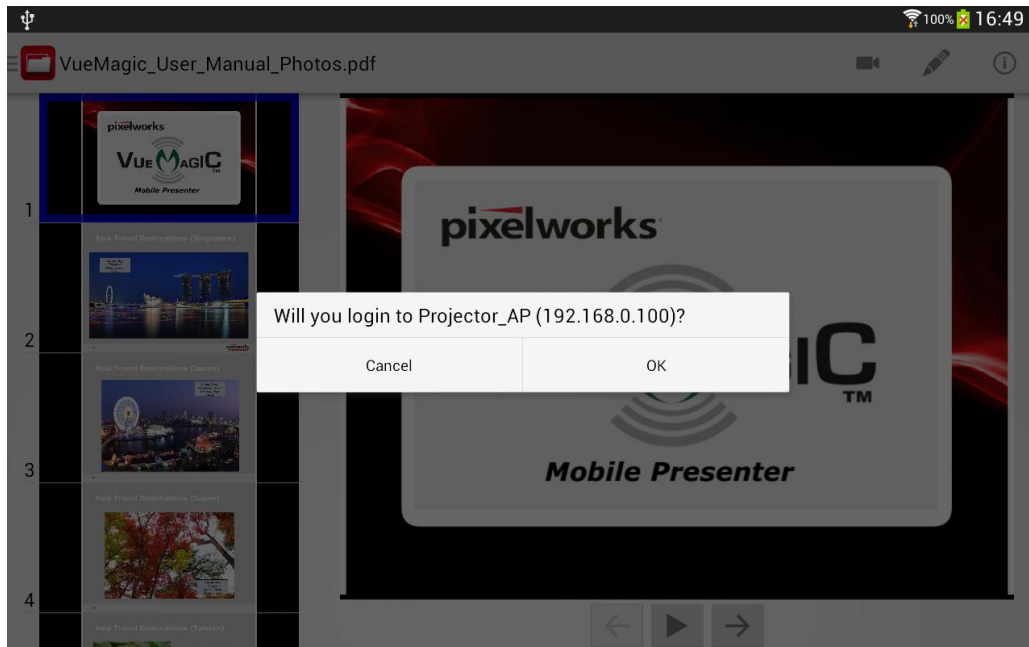


Figure 26. Prompt for Logging into a Projector – Email Usage

5. Press the **OK** button to connect to the selected projector. The attachment is now opened in VueMagic™ Mobile Presenter (Android) **Pro** as shown in [Figure 27](#) and also displayed on the connected projector.



Figure 27. Attachment Opened in VueMagic™ Mobile Presenter (Android) Pro

6.4 Presenting Files from Dropbox

To present documents from Dropbox (third-party application):

1. Open Dropbox on the Android mobile device. (Refer to "Getting Started.pdf" in Dropbox for how to use Dropbox.)
2. Select a file as shown below in [Figure 28](#).

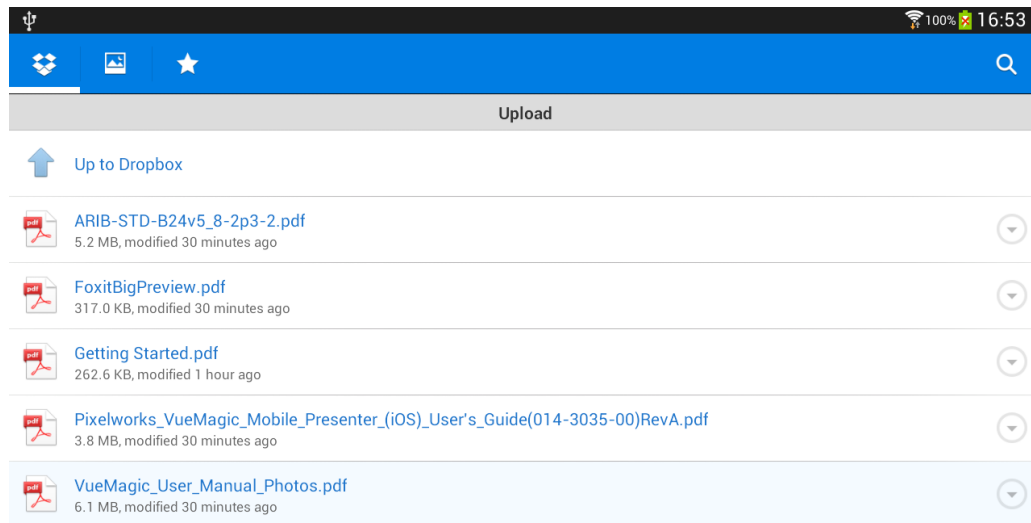


Figure 28. Selecting a File in Dropbox

3. Tap the file and it will start downloading. Then the application selection window pops up as shown in Figure 29 below.

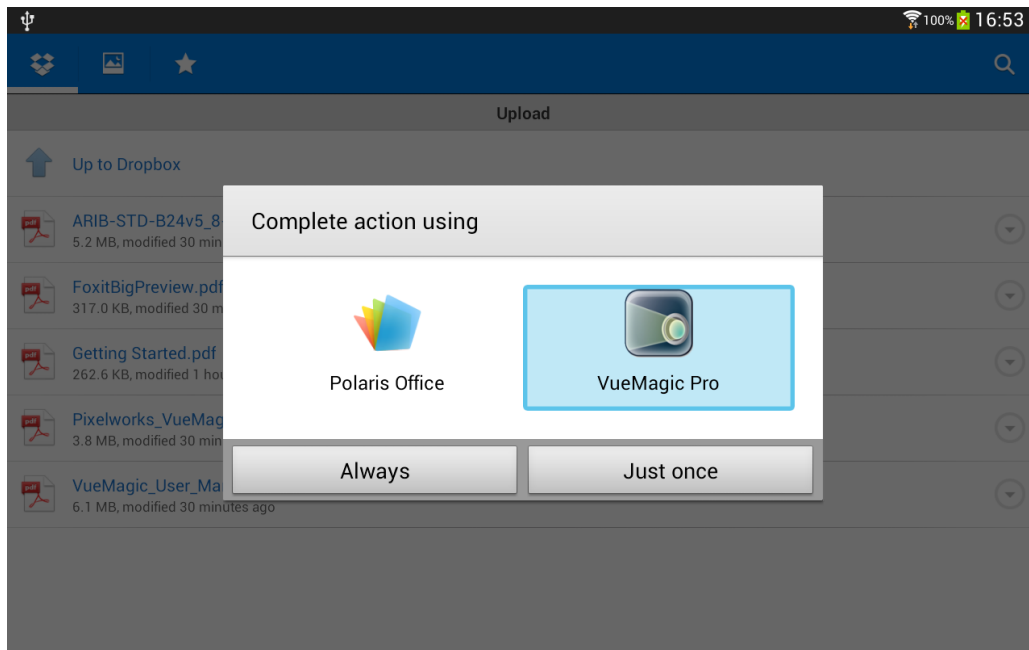


Figure 29. VueMagic Pro Button in Application Selection Window

4. Select "Always" or "Just once" in the application selection window. A prompt pops up, asking to connect to a projector as shown in [Figure 30](#).

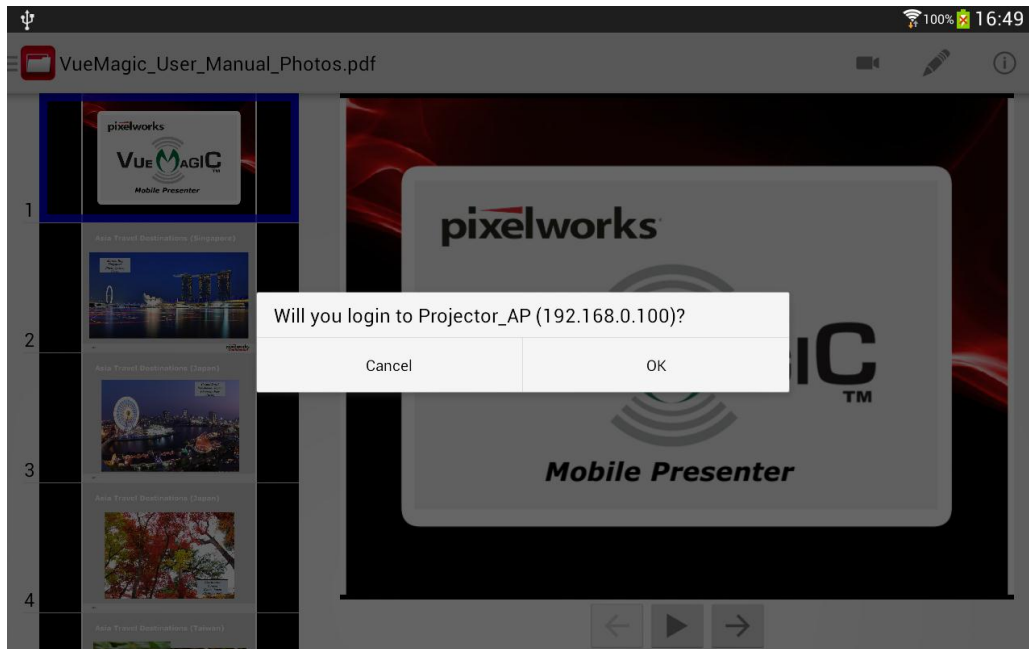


Figure 30. Prompt for Logging into a Projector – Dropbox Usage

5. Press the **OK** button to connect to the projector. The document is now opened in VueMagic™ Mobile Presenter (Android) **Pro** as shown in [Figure 31](#) and also displayed on the selected projector.

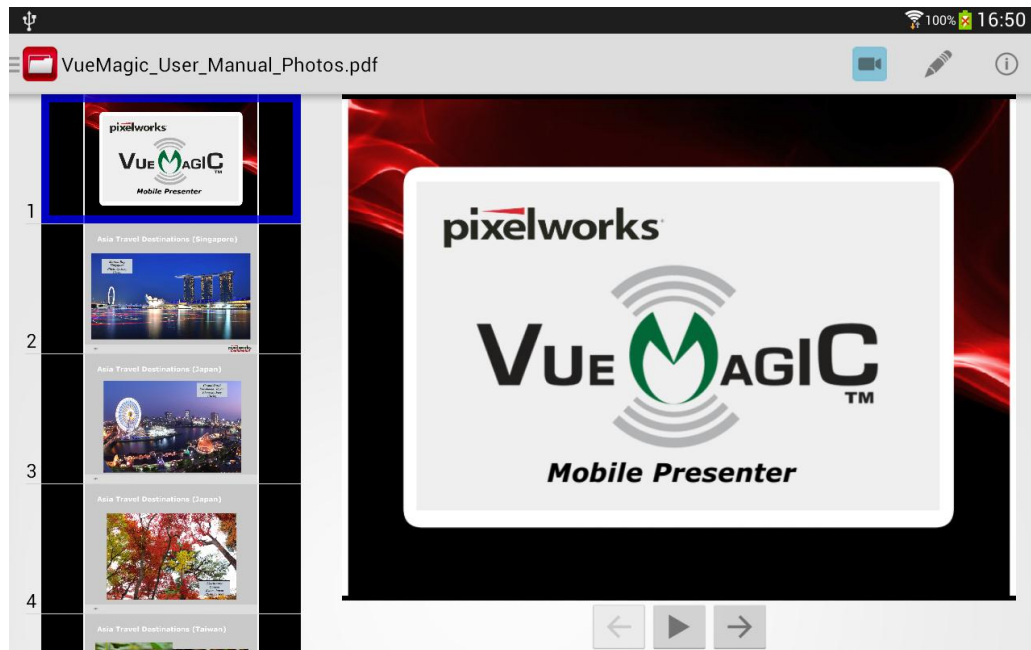


Figure 31. Document Opened in VueMagic™ Mobile Presenter (Android) Pro – Dropbox Usage

6.5 Adding Comments

To add comments on presented files:

1. Tap the **Comment Mode** button to enter the Comment mode.
2. Add comments or drawings. The comments or drawings made on the Android mobile device will be displayed on the projector, as shown in [Figure 32](#), where the bottom left area indicates the screen of the Android mobile device and the top right area denotes the projector screen.

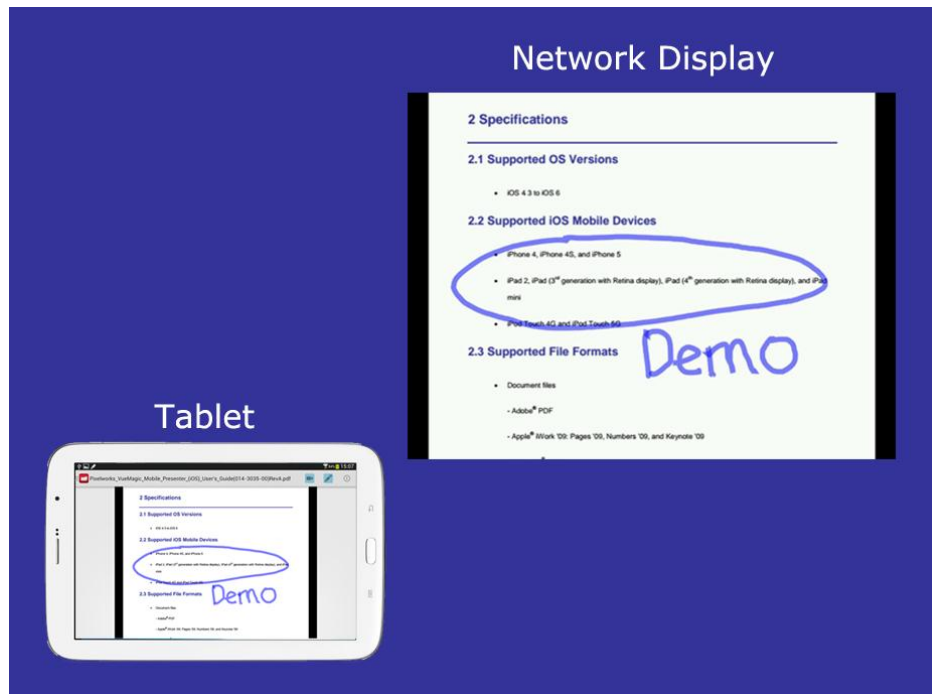


Figure 32. Adding Annotations Using Comment Mode

6.6 Re-Connecting to Network Display

A re-connect mechanism is designed to support more convenient presentation. When VueMagic™ Mobile Presenter (Android) is relaunched within 10 minutes and the network display unique device identifier (UDID) is exactly the same as the previous connection, it is a re-connect state and VueMagic™ Mobile Presenter (Android) will try to re-connect the network display without prompting the user to re-enter the Login Code as shown in

Figure 33.

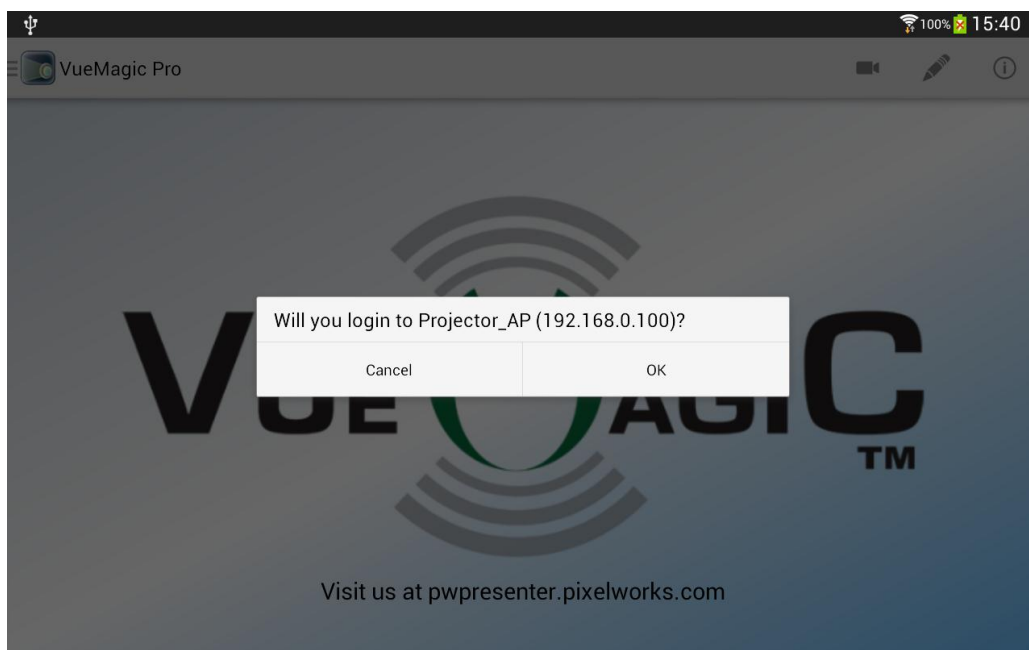


Figure 33. Prompt for Entering Login Code

The re-connect mechanism is useful during presentation. Sometimes, users may want to continue the presentation by relaunching VueMagic™ Mobile Presenter (Android) after they leave the presentation for a while to check email or surf the internet.

7 Presentation Modes

7.1 Navigation Mode

Navigation Mode is the most typical presentation mode. PDF and Photo Albums have a thumbnail view for users to select a specific page or image to show on the networked display as shown in [Figure 34](#).

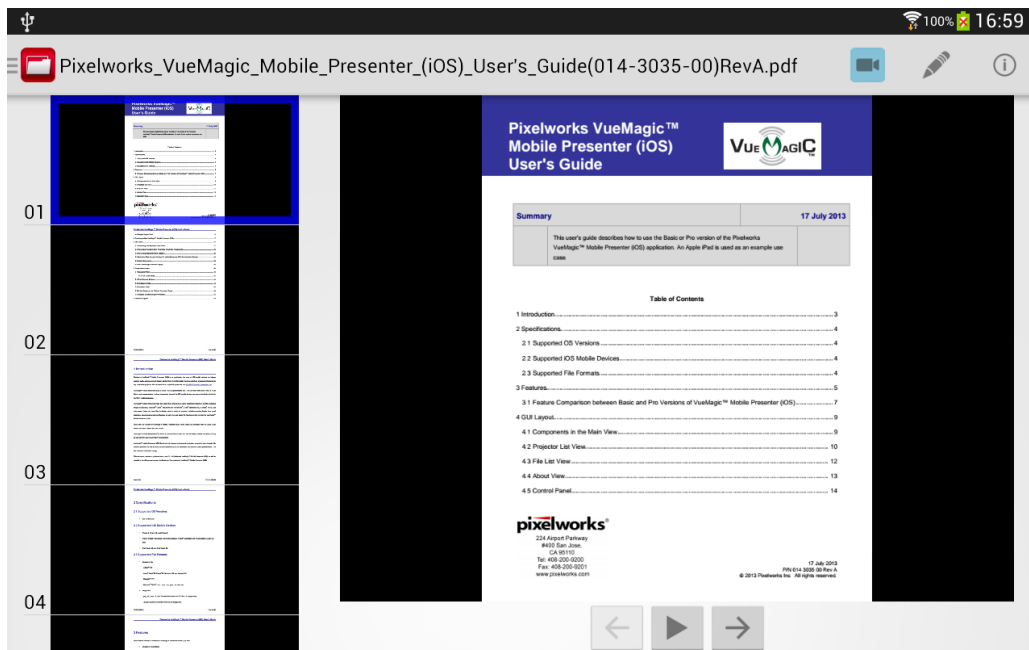


Figure 34. Navigation Mode

7.1.1 PDF Zoom Mode

PDF documents support zooming of 50% ~ 200% in Navigation Mode. The zoom mode can be changed by double tapping the screen of the Android mobile device or using two fingers in a pinching or expanding motion. Below are a few examples of PDF zoom modes shown in [Figure 35](#), [Figure 36](#), and [Figure 37](#).

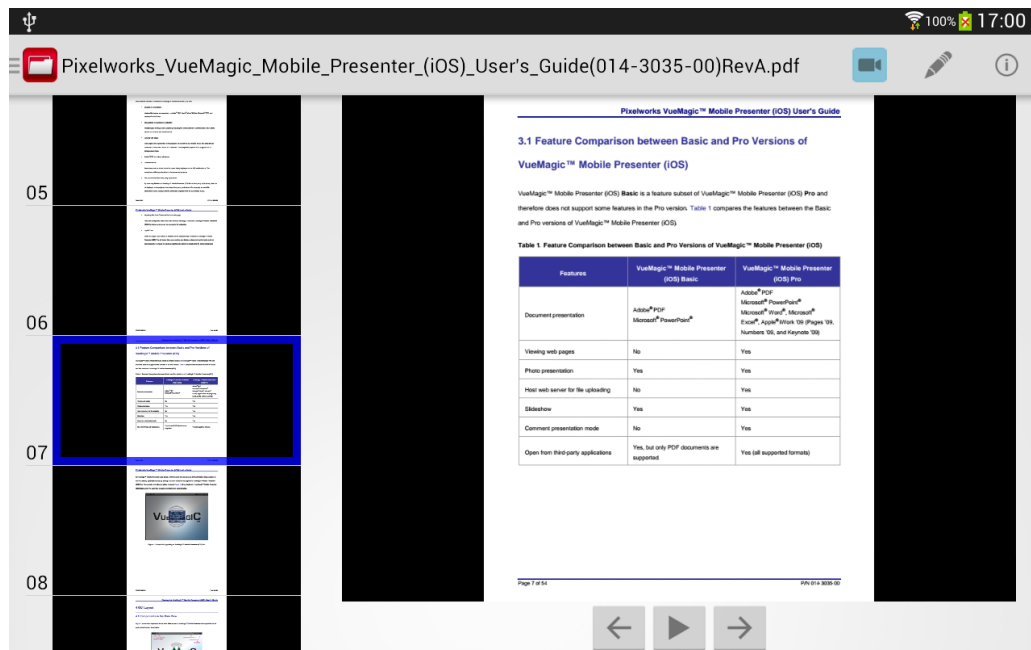


Figure 35. PDF Document Default Display Mode (Fit Screen)

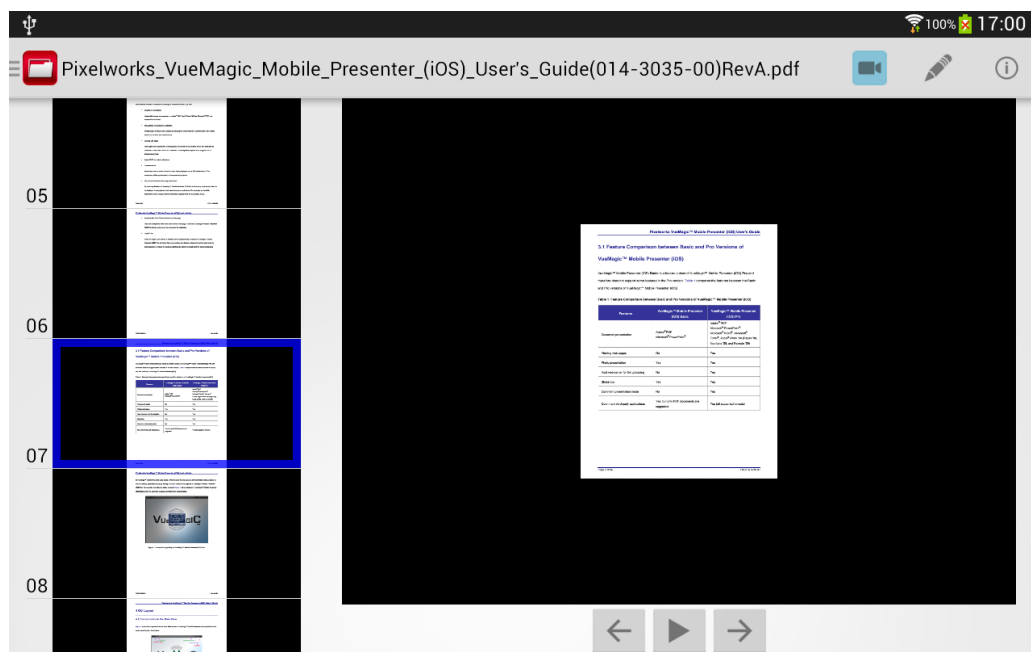


Figure 36. PDF Document 50% Zoom Mode

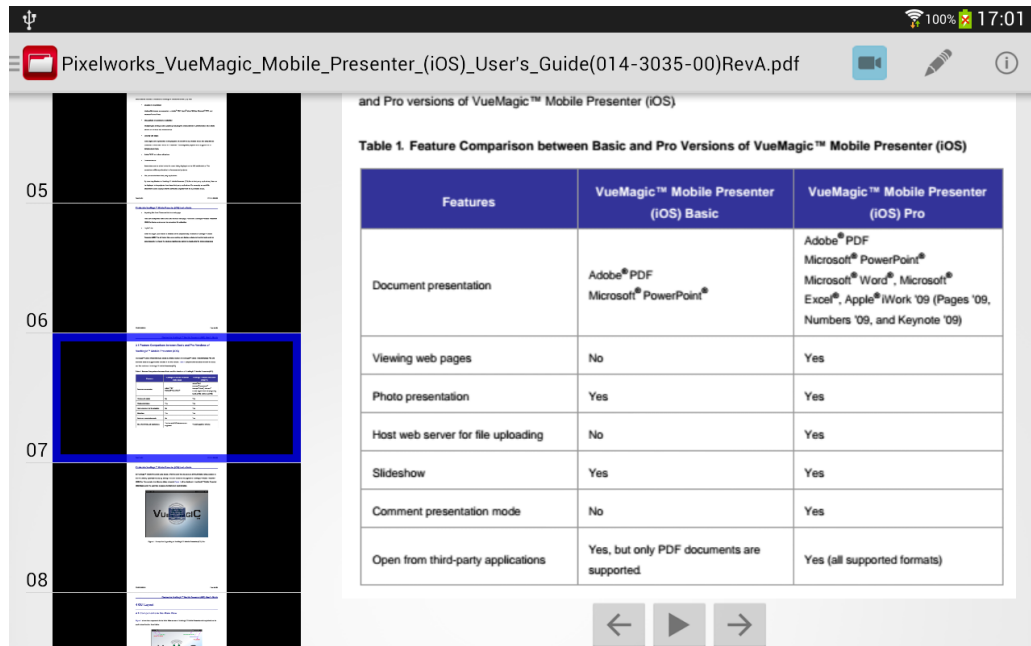


Figure 37. PDF Document 200% Zoom Mode

7.2 Pinch Gesture Support

Table 1 lists the supported mode for each picture or document type.

Table 1. Pinch Gesture Support

Document Type	Current Scale	Swipe Left	Swipe Right	Swipe Up	Swipe Down	Double Tap	Pinch In/Out
Adobe® PDF	<=1x	Next	Previous	Next	Previous	Scale to 1.0x	Zoom in/out
	>1x	Move document region	Move document region	Move document region	Move document region	Scale to 2.0x	Zoom in/out
Album	All	Next	Previous	Next	Previous	N/A	N/A
Web Page	All	Move region	Move region	Move region	Move region	N/A	Zoom in/out

7.3 Full Screen Mode

Web pages have no thumbnail view, but users can navigate the pages/slides by scrolling Content View. [Figure 38](#) shows a web page presented in Full Screen Mode.

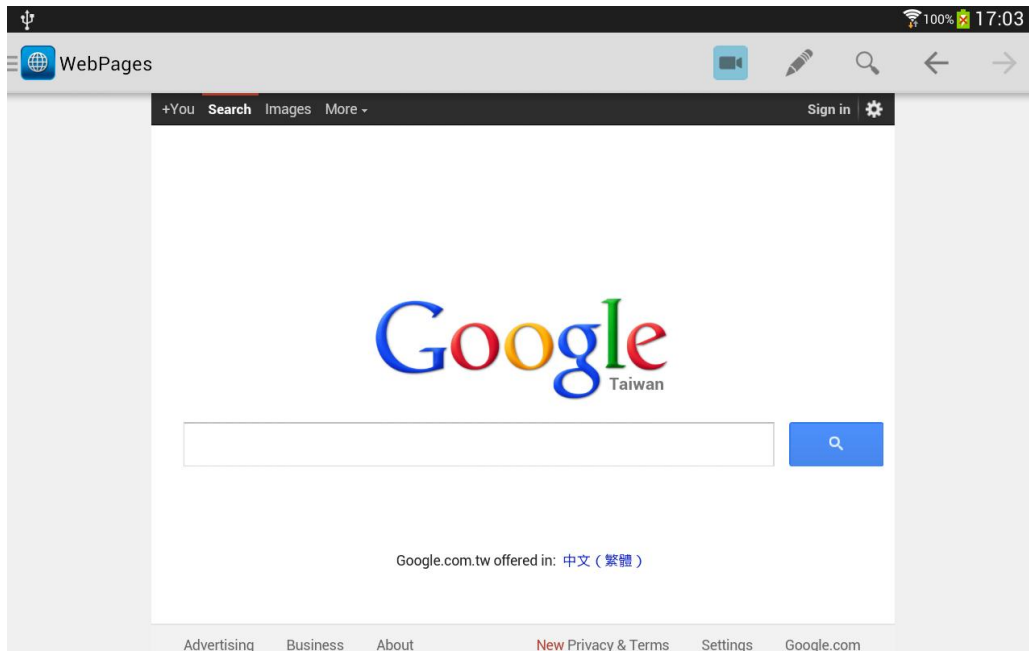


Figure 38. Full Screen Mode

7.4 Comment Mode

Users can add comments or annotations in Comment Mode as shown in Figure 39.

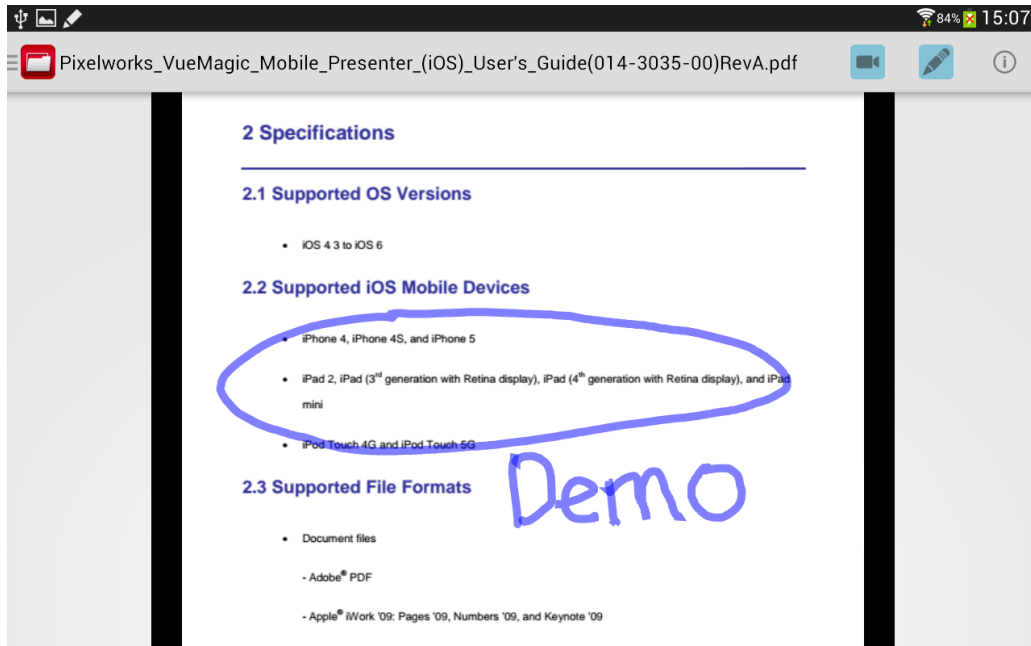


Figure 39. Comment Mode

More comment mode configurations are supported as shown in [Figure 40](#).

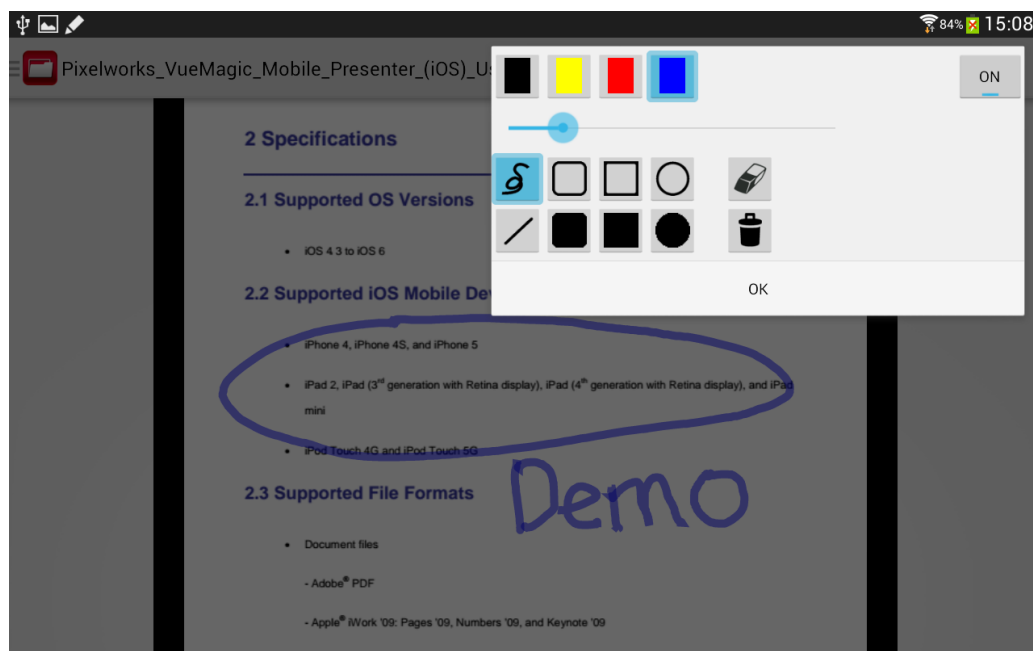


Figure 40. Comment Mode Configuration

7.5 Modes Supported for Different Document Types

The supported presentation mode may vary depending on the different document types. See [Table 2](#) for details.

Table 2. Modes Supported for Different Document Types

Document Type	Navigation Mode	Full Screen Mode	Comment Mode
Adobe® PDF	Yes	No	Yes
Album	Yes	No	Yes
Web Page	No	Yes	Yes

7.6 Projector Control Using VueMagic™ Mobile Presenter (Android)

Basic projector control is supported through the VueMagic™ Mobile Presenter (Android) projector control functions. When a network display is compatible, the projector control icon should be displayed next to the projector name in **Projector List View** as shown in [Figure 41](#).



Figure 41. Projector Control Icon Displayed Next to Projector Name

Currently, the projector control options include the General Setting, Picture Setting, Image Setting, and Presenter Setting as shown in [Figure 42](#). These settings are configurable at the network display side.



Figure 42. Projector Control Options

To help users get an idea of the projector control options, two examples are presented here.

For example, [Figure 43](#) shows the General Setting (source control) page. After entering a source, all the sources should be listed on the page and the source change is supported by selecting the desired source.

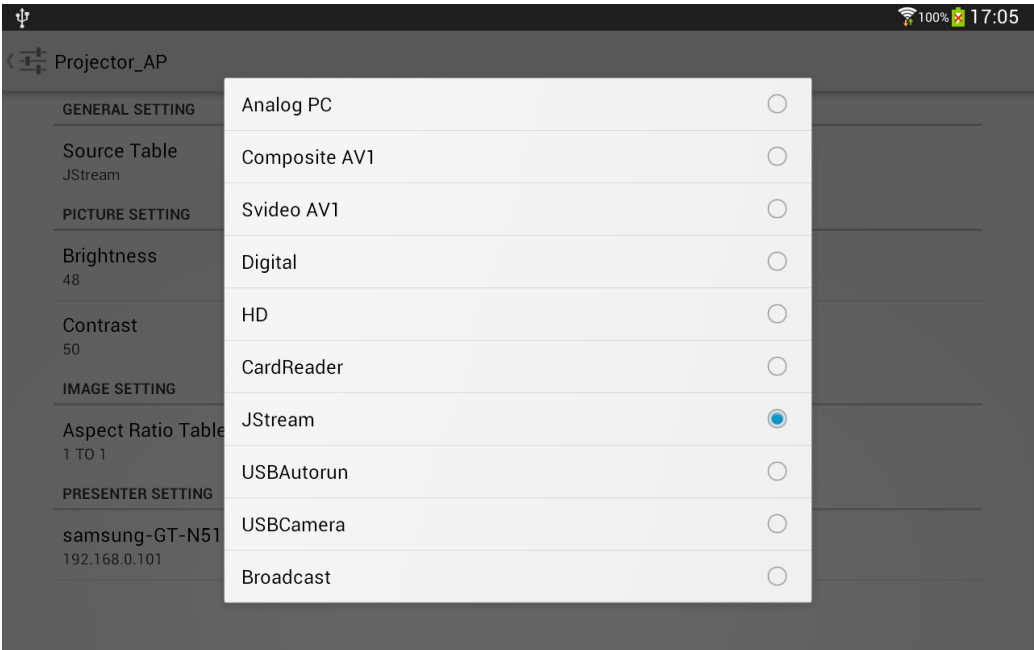


Figure 43. General Setting (Source Control)

NOTE

JStream—protocol utilizing streaming compressed JPEG images.

Furthermore, [Figure 44](#) shows the Presenter Setting page. On this page, the user can switch display region for the selected Presenter connection.

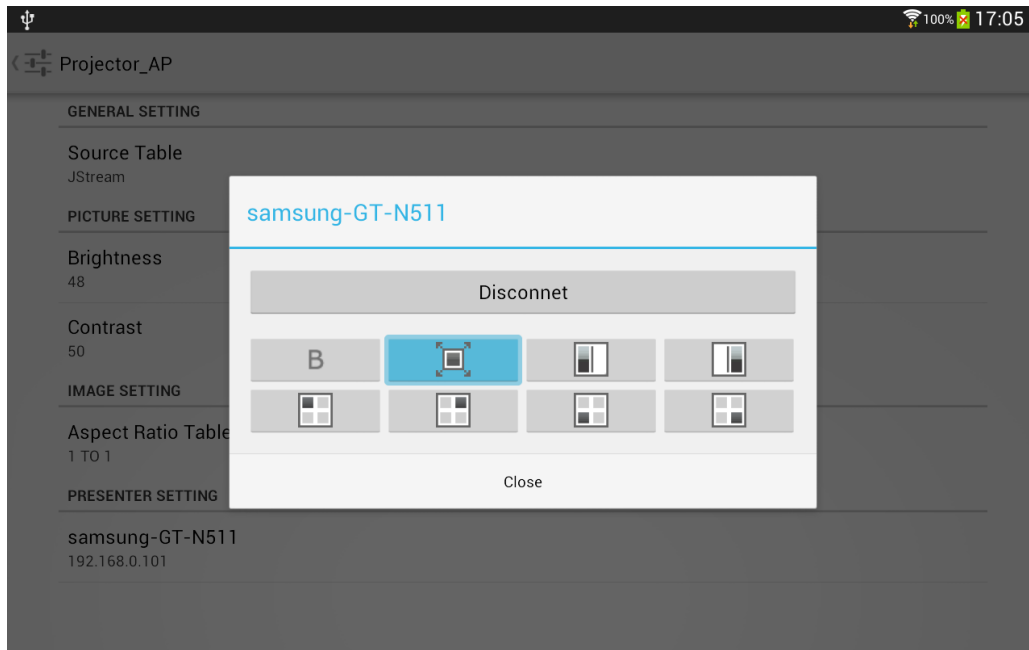


Figure 44. Presenter Setting

8 Technical Support

For technical support or suggestions, please email us at pwPresenter@pixelworks.com. We will be continually improving and enhancing the features and functionality of VueMagic™ Mobile Presenter (Android) Pro.

Revision History

Revision	Date	Description
P/N 014-3046-00, Rev A	04 November 2013	Initial release.

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