Pixelworks VueMagic™ **Mobile Presenter (iOS) User's Guide**



Summary 17 July 2013 This user's guide describes how to use the Basic or Pro version of the Pixelworks VueMagic™ Mobile Presenter (iOS) application. An Apple iPad is used as an example use case.

Table of Contents

1 Introduction	3
2 Specifications	
2.1 Supported OS Versions	
2.2 Supported iOS Mobile Devices	4
2.3 Supported File Formats	4
3 Features	5
3.1 Feature Comparison between Basic and Pro Versions of VueMagic™ Mobile Presenter (iOS)	7
4 GUI Layout	9
4.1 Components in the Main View	g
4.2 Projector List View	10
4.3 File List View	12
4.4 About View	13
4.5 Control Panel	14



224 Airport Parkway #400 San Jose, CA 95110 Tel: 408-200-9200

Fax: 408-200-9201 www.pixelworks.com

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

	4.6 Display Region View	16
5	Preparing to Use VueMagic™ Mobile Presenter (iOS)	17
6	Use Cases	21
	6.1 Presenting Files Imported from iTunes	21
	6.2 Presenting Files Sent from PC or Mac (Email File Attachment)	25
	6.3 Presenting Documents from Dropbox	30
	6.4 Uploading Files through VueMagic™ Mobile Presenter (iOS) Pro Host Web Service	34
	6.5 Adding Comments	38
	6.6 Re-Connecting to Network Display	39
7	Presentation Modes	40
	7.1 Navigation Mode	40
	7.1.1 PDF Zoom Mode	42
	7.2 Pinch Gesture Support	44
	7.3 Full Screen Mode	45
	7.4 Comment Mode	46
	7.5 Modes Supported for Different Document Types	48
	7.6 Projector Control through PWRemote	49
R	Technical Support	53

1 Introduction

Pixelworks VueMagic™ Mobile Presenter (iOS) is an application that runs on iOS mobile devices and allows users to easily and conveniently display content from their iOS 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 (iOS) 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 iOS mobile devices can output the display directly to the Wi-Fi enabled projector.

VueMagic[™] Mobile Presenter (iOS) can easily share or present a variety of common document formats, including images and photos, Microsoft[®] Office[®] documents like PowerPoint[®], Excel[®] spreadsheets, or Word[®], PDFs, and web pages. Users can open files to display using a variety of sources, including opening directly from email programs, cloud services such as Dropbox, or using the web based file hosting service provided by VueMagic[™] Mobile Presenter (iOS).

There are two versions of VueMagic™ Mobile Presenter (iOS) which users can download from the Apple Apps Store – the Basic version and Pro version.

VueMagic[™] Mobile Presenter (iOS) **Basic** is provided free to users and has the ability to share pictures or photos, as well as PDFs and PowerPoint[®] presentations.

VueMagic™ Mobile Presenter (iOS) **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 (iOS), as well as describing the differences between the Basic and Pro versions of VueMagic™ Mobile Presenter (iOS).

Page 3 of 54 P/N 014-3035-00

2 Specifications

2.1 Supported OS Versions

• iOS 4.3 to iOS 6

2.2 Supported iOS Mobile Devices

- iPhone 4, iPhone 4S, and iPhone 5
- iPad 2, iPad (3rd generation with Retina display), iPad (4th generation with Retina display), and iPad mini
- iPod Touch 4G and iPod Touch 5G

2.3 Supported File Formats

- Document files
 - Adobe® PDF
 - Apple® iWork '09: Pages '09, Numbers '09, and Keynote '09
 - Microsoft® RTF
 - Microsoft® Office®: .doc, .docx, .ppt, .pptx, .xls, and .xlsx
- Image files
 - -.png, .gif, .bmp, .tif, and .tiff (resolutions less than 3Kx3K or 9 megapixels)
 - .jpeg (resolutions less than 6Kx6K or 36 megapixels)

P/N 014-3035-00 Page 4 of 54

3 Features

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

• Document presentation

Various file formats are supported — Adobe[®] PDF, Apple[®] iWork '09 files, Microsoft[®] RTF, and Microsoft[®] Office[®] files.

Image/photo presentation or slideshow

Multiple types of images are supported, including the photos stored in Camera Roll or other photo albums on the local iOS mobile device.

Viewing web pages

Web pages can be presented to the projector when both the iOS 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 iOS mobile device. The annotations will be synchronized to the connected projector.

File presentation from third-party applications

By launching Pixelworks VueMagic[™] Mobile Presenter (iOS) **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 iOS mobile device.

Page 5 of 54 P/N 014-3035-00

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

• Importing files from iTunes and the host web page

Files can be imported from iTunes and the host web page. Pixelworks VueMagic™ Mobile Presenter (iOS) **Pro** hosts a web server for convenient file uploading.

Login Code

When the Login Code feature is enabled on the projector side, Pixelworks VueMagic™ Mobile Presenter (iOS) **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.

P/N 014-3035-00 Page 6 of 54

3.1 Feature Comparison between Basic and Pro Versions of

VueMagic™ Mobile Presenter (iOS)

VueMagic[™] Mobile Presenter (iOS) **Basic** is a feature subset of VueMagic[™] Mobile Presenter (iOS) **Pro** and therefore does not support some features in the Pro version. Table 1 compares the features between the Basic and Pro versions of VueMagic[™] Mobile Presenter (iOS).

Table 1. Feature Comparison between Basic and Pro Versions of VueMagic™ Mobile Presenter (iOS)

Features	VueMagic™ Mobile Presenter (iOS) Basic	VueMagic™ Mobile Presenter (iOS) Pro		
Document presentation	Adobe [®] PDF Microsoft [®] PowerPoint [®]	Adobe [®] PDF Microsoft [®] PowerPoint [®] Microsoft [®] Word [®] , Microsoft [®] Excel [®] , Apple [®] iWork '09 (Pages '09, Numbers '09, and Keynote '09)		
Viewing web pages	No	Yes		
Photo presentation	Yes	Yes		
Host web server for file uploading	No	Yes		
Slideshow	Yes	Yes		
Comment presentation mode	No	Yes		
Open from third-party applications	Yes, but only PDF documents are supported.	Yes (all supported formats)		

Page 7 of 54 P/N 014-3035-00

In VueMagic[™] Mobile Presenter (iOS) **Basic**, when the user tries to access a premium feature only available in the Pro version, a prompt will pop up, asking if the user would like to upgrade to VueMagic[™] Mobile Presenter (iOS) **Pro**. For example, the following dialog shown in Figure 1 will be displayed in VueMagic[™] Mobile Presenter (iOS) **Basic** when the user tries to access the Comment Mode function.



Figure 1. Prompt for Upgrading to VueMagic™ Mobile Presenter (iOS) Pro

P/N 014-3035-00 Page 8 of 54

4 GUI Layout

4.1 Components in the Main View

Figure 2 shows the components in the **Main View** screen of VueMagic[™] Mobile Presenter with explainations for each button function listed below.



Figure 2. Components in the Main View Screen

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

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

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

Disconnect Button: Disconnects the iOS mobile device from the active projector.

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

Message View: Displays the connection status of VueMagic™ Mobile Presenter (iOS).

Page 9 of 54 P/N 014-3035-00

4.2 Projector List View

The **Projector List View** displays the projectors searched by VueMagic[™] Mobile Presenter (iOS) in the same subnet as shown in Figure 3. 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 4 and Figure 5.

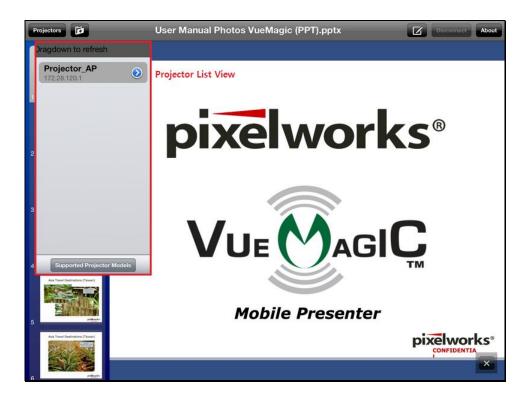


Figure 3. Projector List View

P/N 014-3035-00 Page 10 of 54

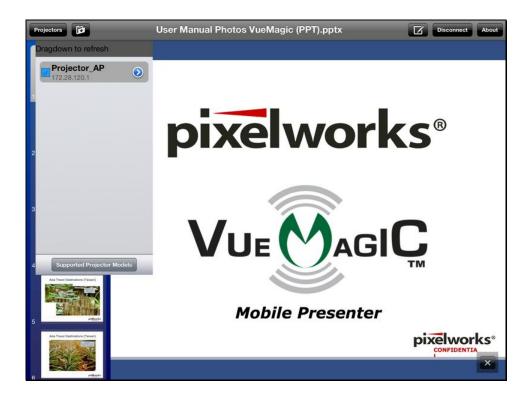


Figure 4. Status Indicator of Projector Connected in Foreground

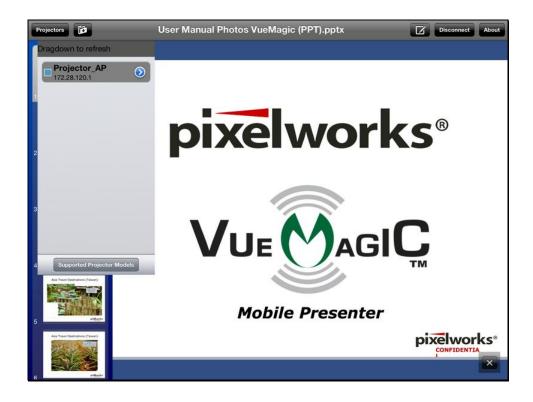


Figure 5. Status Indicator of Projector Connected in Background

Page 11 of 54 P/N 014-3035-00

4.3 File List View

The File List View displays the available files stored locally on the iOS mobile device as shown in Figure 6.

Usually, the lower area of the list displays all the files and documents imported from iTunes. Users can drag down to refresh the list of files.



Figure 6. File List View

P/N 014-3035-00 Page 12 of 54

4.4 About View

The **About View** displays the information about VueMagic™ Mobile Presenter (iOS), such as the application version number and connection status as shown in Figure 7.



Figure 7. About View

Page 13 of 54 P/N 014-3035-00

4.5 Control Panel

Typically, a control panel will be displayed on the screen of the iOS mobile device when the user is making a presentation. Figure 8 shows an example of the control panel when a PDF file is being presented.



Figure 8. Control Panel

The descriptions of the buttons in the graphic above are as follows:

- Search Button: Used when the user tries to input a new web address on the web page.
- Refresh Button: Used when the user tries to refresh the current web page.
- Previous Button: Used when the user tries to navigate to the previous page or slide. This button is supported when viewing web pages, PDF, or photo.
- Play Button: Used to start the slideshow display. This button is available when viewing web pages,
 PDF, or photo.
- **Stop Button**: Used to stop a slideshow or stop loading the current page. This button is supported when viewing web pages, PDF, or photo.
- Next Button: Used when the user tries to navigate to the next page or slide. This button is available
 when viewing web pages, PDF, or photo.
- Close Button: Exits the current presentation mode. The opened document will be closed.

P/N 014-3035-00 Page 14 of 54

The availability of the above buttons may vary depending on the different file formats. See Table 2 for details.

Table 2. Functions of Control Panel Buttons for Different File Formats

File Format	Search	Refresh	Previous	Play	Stop	Next	Close
Adobe [®] PDF	X	Х	Go to previous page	Start slideshow	Stop slideshow	Go to next page	Close file
Album	X	Х	Go to previous photo in album	Start slideshow	Stop slideshow	Go to next photo in album	
Web Pages	Hide/Show web address input view	Reload current page	Go back to previous web page if possible	X	Stop loading current page	Forward to next web page if possible	
Photo not in Album				No Control Panel			
Microsoft [®] Office [®] and Apple [®] iWorks '09	No Control Panel						

NOTE

"X" indicates there is no such function for this file format.

Page 15 of 54 P/N 014-3035-00

4.6 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.

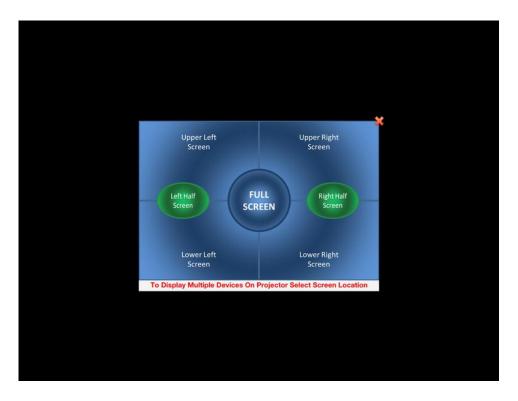


Figure 9. Display Region View

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

P/N 014-3035-00 Page 16 of 54

5 Preparing to Use VueMagic™ Mobile Presenter (iOS)

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

Connect the iOS 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 iOS mobile device as shown in Figure 10.

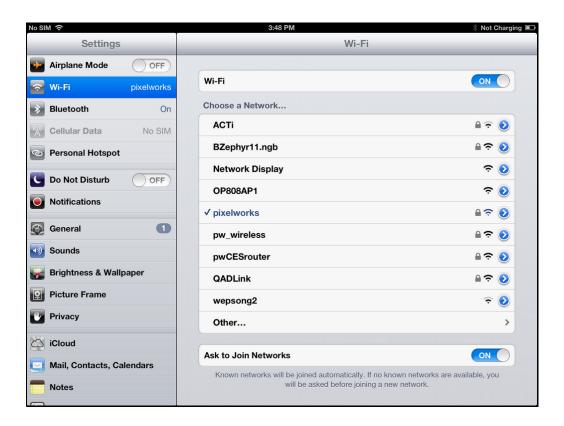


Figure 10. Selecting a Wi-Fi Network

Page 17 of 54 P/N 014-3035-00

 Launch the VueMagic™ Mobile Presenter (iOS) application on the iOS mobile device by touching the VueMagic™ icon as shown in Figure 11.



Figure 11. Launching VueMagic™ Mobile Presenter on iOS 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.

P/N 014-3035-00 Page 18 of 54

5. Input the 4-digit login code on the iOS 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 iOS mobile device screen (bottom left) and the login code presented on the projector screen (top right).



Figure 12. Login Code Input Prompt

Page 19 of 54 P/N 014-3035-00

When the iOS mobile device is properly connected to a projector, a checkmark will be displayed next to the projector name as shown in Figure 13.

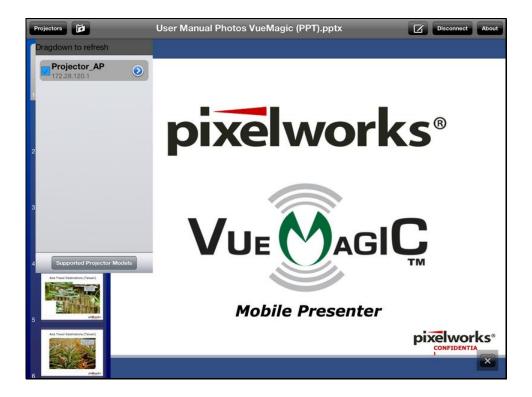


Figure 13. Status Indicator of Connected Projector

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

P/N 014-3035-00 Page 20 of 54

6 Use Cases

6.1 Presenting Files Imported from iTunes

To present files imported from iTunes:

- 1. Open iTunes on the PC or Mac and navigate to the **Apps** tab.
- Select VueMagic[™] Mobile Presenter (iOS) from the **Apps** list as shown in Figure 14. Press the **Add** button to browse the files.



Figure 14. Selecting VueMagic™ Mobile Presenter (iOS) from the Apps List

Page 21 of 54 P/N 014-3035-00

 Select the files to be imported and press the Open button to import files as shown in Figure 15. The selected files will be synchronized to VueMagic™ Mobile Presenter (iOS).

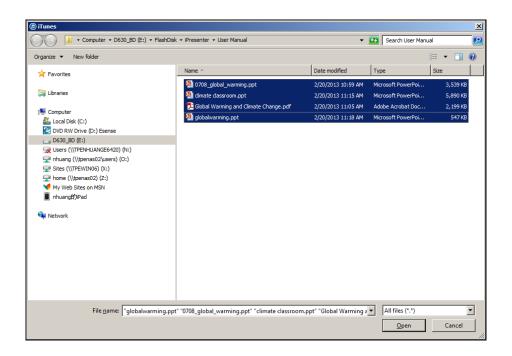


Figure 15. Selecting Files from iTunes

P/N 014-3035-00 Page 22 of 54

4. Drag down the **File List View** to refresh and see the newly added files as shown in Figure 16 and Figure 17.



Figure 16. Original File List View



Figure 17. Refreshed File List Showing Newly Added Files

Page 23 of 54 P/N 014-3035-00

5. Select a file to start the presentation. The file will be displayed on both the iOS mobile device and the connected projector, as shown in Figure 18, where the bottom left area indicates the screen of the iOS mobile device and the top right area denotes the projector screen.

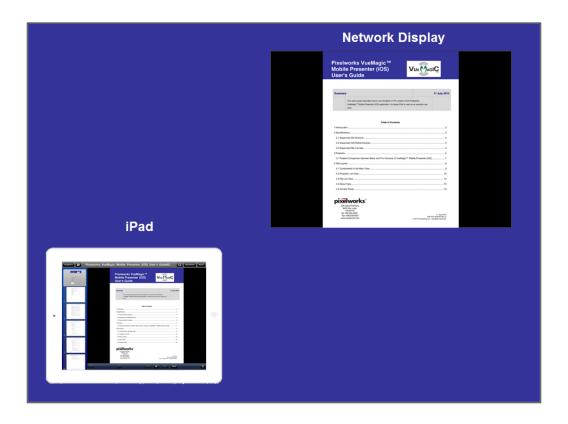


Figure 18. File Synchronized on iOS Mobile Device and Connected Projector

P/N 014-3035-00 Page 24 of 54

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

To present files sent from the PC or Mac:

 Open Microsoft[®] Outlook[®] on the PC or Mac. Create a new email and attach the files as shown in Figure 19.

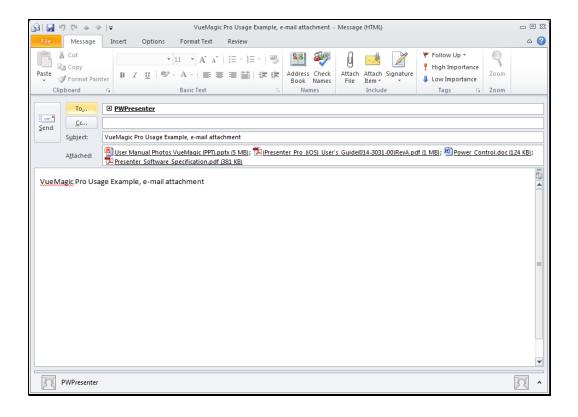


Figure 19. Attaching Files in Email

Page 25 of 54 P/N 014-3035-00

2. Send the email and receive it on the iOS mobile device as shown in Figure 20.

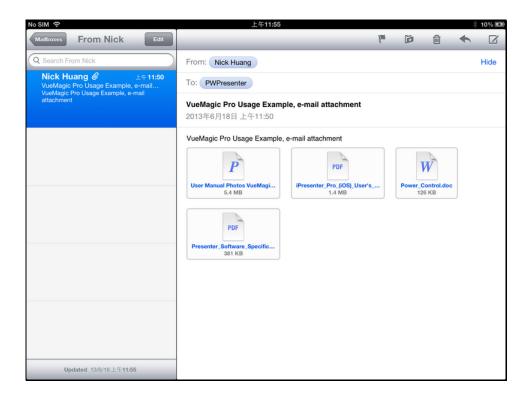


Figure 20. Receiving an Email on the iOS Mobile Device

P/N 014-3035-00 Page 26 of 54

3. Open the email in the Inbox. Then open the file attachment by pressing it for more than one second until the application selection window pops up as shown in Figure 21.



Figure 21. Opening a File Attachment on the iOS Mobile Device

Page 27 of 54 P/N 014-3035-00

4. Select "Open in VueMagic Pro". A user prompt will pop up, asking to connect to a projector as shown in Figure 22.



Figure 22. Prompt for Logging into a Projector - Email Usage

P/N 014-3035-00 Page 28 of 54

Press the Yes button to connect to the selected projector. The attachment is now opened in VueMagic™
 Mobile Presenter (iOS) Pro as shown in Figure 23 and also displayed on the connected projector.



Figure 23. Attachment Opened in VueMagic™ Mobile Presenter (iOS) Pro

Page 29 of 54 P/N 014-3035-00

6.3 Presenting Documents from Dropbox

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

- Open Dropbox on the iOS mobile device. (Refer to "Getting Started.pdf" in Dropbox for how to use Dropbox.)
- 2. Select a file as shown below in Figure 24.

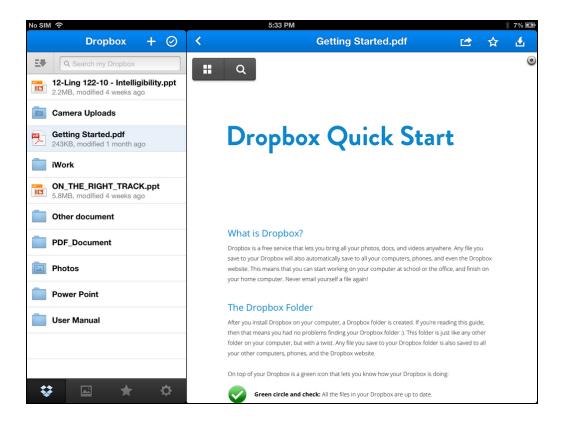


Figure 24. Selecting a File in Dropbox

P/N 014-3035-00 Page 30 of 54

3. Tap the Open in VueMagic Pro button at the top right corner of Figure 25 below.



Figure 25. Tapping Open in VueMagic Pro Button

Page 31 of 54 P/N 014-3035-00

4. Select "Open in VueMagic Pro". A prompt pops up, asking to connect to a projector as shown in Figure 26.



Figure 26. Prompt for Logging into a Projector - Dropbox Usage

P/N 014-3035-00 Page 32 of 54

Press the Yes button to connect to the projector. The document is now opened in VueMagic™ Mobile
 Presenter (iOS) Pro as shown in Figure 27 and also displayed on the selected projector.



Figure 27. Document Opened in VueMagic™ Mobile Presenter (iOS) Pro – Dropbox Usage

Page 33 of 54 P/N 014-3035-00

6.4 Uploading Files through VueMagic™ Mobile Presenter (iOS) Pro Host Web Service

To upload files through the VueMagic™ Mobile Presenter (iOS) **Pro** host web service, follow these simple steps:

Connect the PC to the subnet where the iOS mobile device is located. The information about the web
host server for uploading the files is displayed on the Message View and About View menu location as
shown in Figure 28 below.



Figure 28. Information about the Web Host Server

P/N 014-3035-00 Page 34 of 54

2. Open the web browser (Safari, IE, Chrome, Firefox, or Opera) on the PC and connect to the web host server as shown in Figure 29.

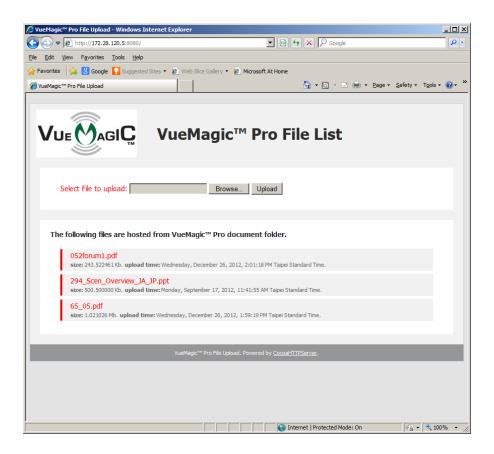


Figure 29. Connecting to the Web Host Server

Page 35 of 54 P/N 014-3035-00

Click on the Browse... button to choose a file to upload, and then press the Upload button as shown in Figure 30.

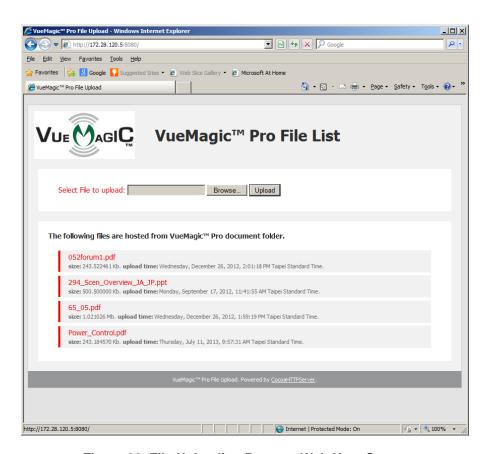


Figure 30. File Uploading Page on Web Host Server

P/N 014-3035-00 Page 36 of 54

4. Drag down the file list in the **File List View** to view the updated file list as shown in Figure 31.



Figure 31. Refreshed File List after Uploading File using Web Host Server

Page 37 of 54 P/N 014-3035-00

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. (Double click the comments or drawings to erase). The comments or drawings made on the iOS mobile device will be displayed on the projector, as shown in Figure 32, where the bottom left area indicates the screen of the iOS mobile device and the top right area denotes the projector screen.

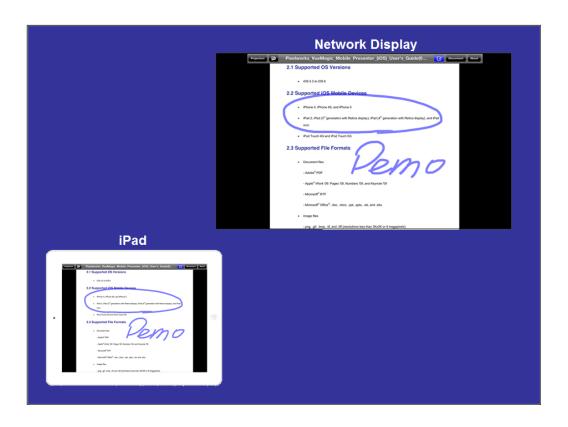


Figure 32. Adding Annotations Using Comment Mode

P/N 014-3035-00 Page 38 of 54

6.6 Re-Connecting to Network Display

A re-connect mechanism is designed to support more convenient presentation. When VueMagic™ Mobile Presenter (iOS) 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 (iOS) 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 (iOS) after they leave the presentation for a while to check email or surf the internet .

Page 39 of 54 P/N 014-3035-00

7 Presentation Modes

7.1 Navigation Mode

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

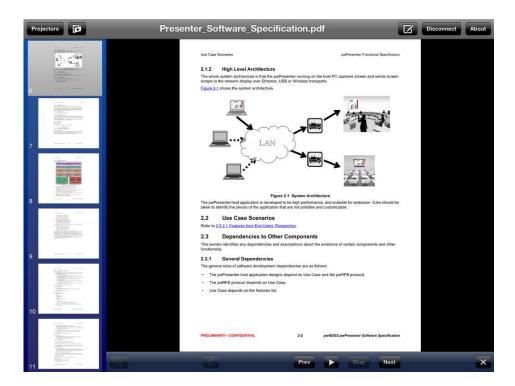


Figure 34. Navigation Mode

P/N 014-3035-00 Page 40 of 54

For the highest quality professional presentations, it is recommended that the PDF format be used instead of the PowerPoint® format. PDF formats will likely provide better slide rendering on a non-PC platform such as an iOS mobile device. To save a PowerPoint® format file as a PDF, simply go to File/Save As and select "PDF" in the Save As Type selection as shown in Figure 35 below.

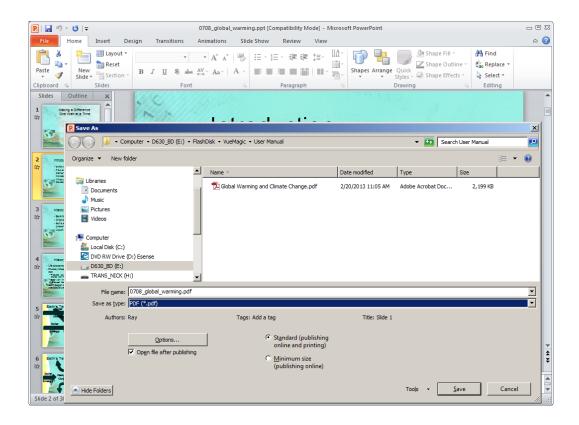


Figure 35. Saving a PowerPoint® Format File as a PDF

Page 41 of 54 P/N 014-3035-00

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 iOS mobile device or using two fingers in a pinching or expanding motion. Below are a few examples of PDF zoom modes shown in Figure 36, Figure 37, and Figure 38.

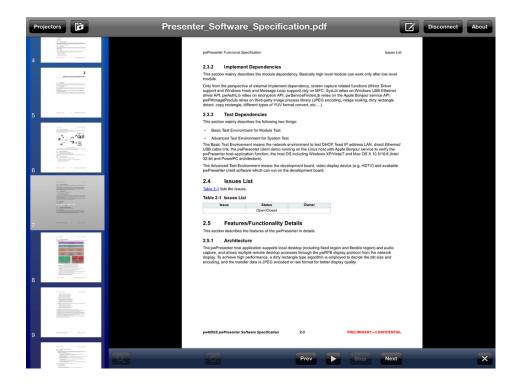


Figure 36. PDF Document Default Display Mode (Fit Screen)

P/N 014-3035-00 Page 42 of 54

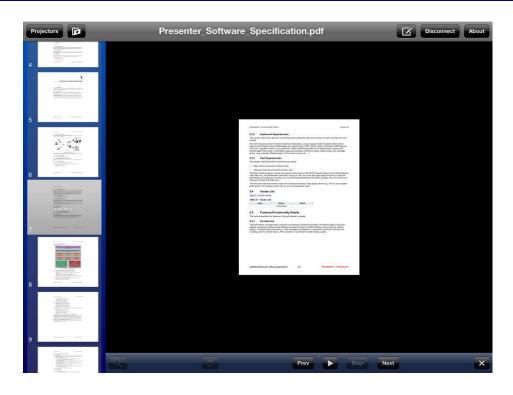


Figure 37. PDF Document 50% Zoom Mode

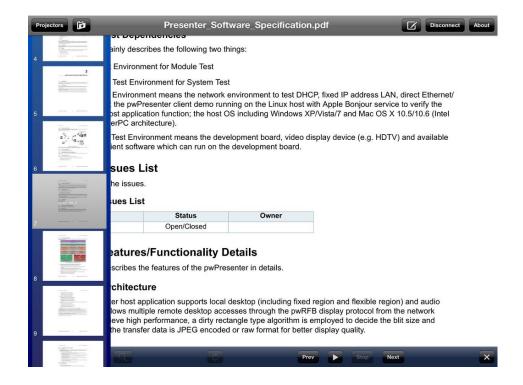


Figure 38. PDF Document 200% Zoom Mode

Page 43 of 54 P/N 014-3035-00

7.2 Pinch Gesture Support

Table 3 lists the supported mode for each picture or document type.

Table 3. Pinch Gesture Support

Document	Current	Swipe	Swipe	Swipe	Swipe	Double	Pinch
Туре	Scale	Left	Right	Up	Down	Тар	In/Out
	<=1x	Next	Previous	Next	Previous	Scale to 1.0x	Zoom in/out
PDF	>1x	Move document region	Move document region	Move document region	Move document region	Scale to 2.0x	Zoom in/out
PPT	No change	Next	Previous	Next	Previous	No action	N/A
Album	No change	Next	Previous	Next	Previous	No action	N/A
Web	No change	Move document region	Move document region	Move document region	Move document region	As Safari defined	As Safari defined
Single Image	No change	No action	N/A	N/A	N/A	N/A	N/A

P/N 014-3035-00 Page 44 of 54

7.3 Full Screen Mode

A single image file, web pages, and Microsoft[®] Word and Excel files (.doc, .docx, .xls, and .xlsx) have no thumbnail view, but users can navigate the pages/slides by scrolling Content View. Figure 39 shows a file presented in Full Screen Mode.

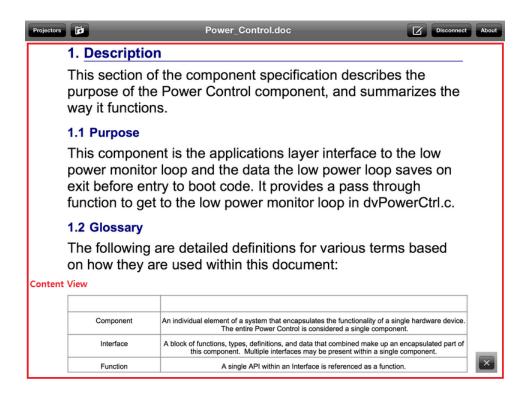


Figure 39. Full Screen Mode

Page 45 of 54 P/N 014-3035-00

7.4 Comment Mode

Users can add comments or annotations in Comment Mode as shown in Figure 40.

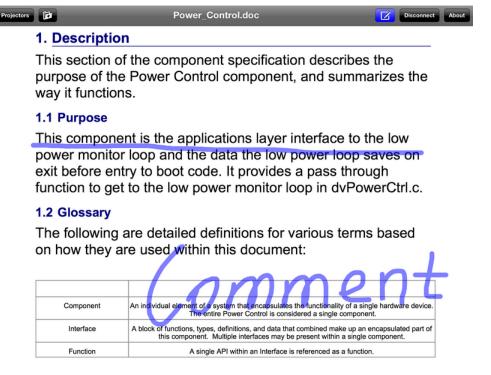


Figure 40. Comment Mode

P/N 014-3035-00 Page 46 of 54

More comment mode configurations are supported as shown in Figure 41.

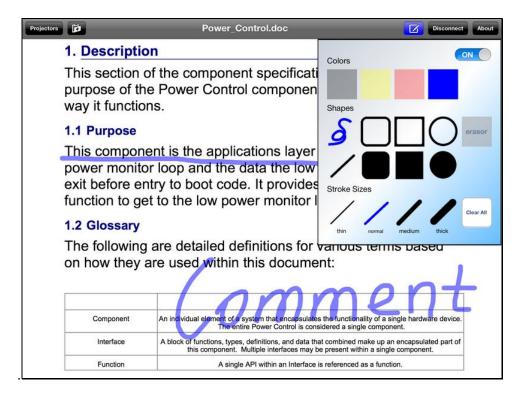


Figure 41. Comment Mode Configuration

Page 47 of 54 P/N 014-3035-00

7.5 Modes Supported for Different Document Types

The supported presentation mode may vary depending on the different document types. See Table 4 for details.

Table 4. Modes Supported for Different Document Types

Document Type	Navigation Mode	Full Screen Mode	Comment Mode	
Adobe [®] PDF	Yes	No	Yes	
Album Yes		No	Yes	
Microsoft [®] Office [®] and Apple [®] iWorks '09	No	Yes	Yes	
Web Page	No	Yes	Yes	
Photo not in Album	No	Yes	Yes	

P/N 014-3035-00 Page 48 of 54

7.6 Projector Control through PWRemote

Basic projector control is supported through the Pixelworks Remote (PWRemote) protocol. When a network display is compatible with PCS 1.0, the projector control icon should be displayed next to the projector name in Projector List View as shown in Figure 42.

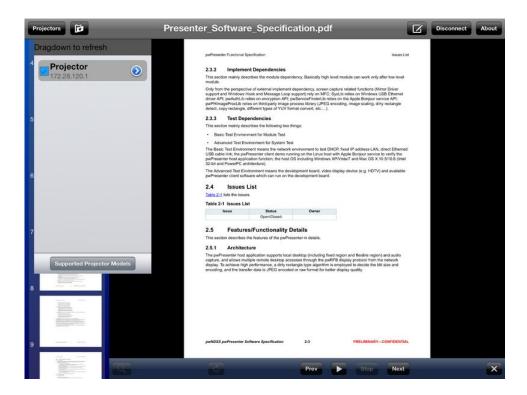


Figure 42. Projector Control Icon Displayed Next to Projector Name

Page 49 of 54 P/N 014-3035-00

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

Currently, the projector control options include the General Setting, Picture Setting, Image Setting, and Presenter Setting as shown in Figure 43. These settings are configurable at the network display side. For details, refer to *PWRemote Software Specification*.



Figure 43. Projector Control Options

P/N 014-3035-00 Page 50 of 54

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

For example, Figure 44 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 44. General Setting (Source Control)

Page 51 of 54 P/N 014-3035-00

Furthermore, Figure 45 shows the Presenter Setting page. On this page, the user can switch display region for the selected Presenter connection.



Figure 45. Presenter Setting

P/N 014-3035-00 Page 52 of 54

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™ Pro.

Page 53 of 54 P/N 014-3035-00

Revision History

Revision	Date	Description	
P/N 014-3035-00, Rev A 17 July 2013		Initial release.	

Copyright © 2013 Pixelworks, Inc. All rights reserved.

This document and the information it contains belong to Pixelworks, Inc. Any review, use, dissemination, distribution or copying of this document or its information outside the scope of a signed agreement with Pixelworks is strictly prohibited.

PIXELWORKS DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THOSE OF NONINFRINGMENT,

MERCHANTABILITY, TITLE AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMERS EXPRESSLY ASSUME THEIR OWN RISK IN
RELYING ON THIS DOCUMENT.

PIXELWORKS PRODUCTS ARE NOT DESIGNED OR INTENDED FOR USE IN LIFE SUPPORT APPLIANCES, DEVICES OR SYSTEMS WHERE A MALFUNCTION OF A PIXELWORKS DEVICE COULD RESULT IN A PERSONAL INJURY OR LOSS OF LIFE.

Pixelworks assumes no responsibility for any errors in this document, and makes no commitment to update the information contained herein. Pixelworks reserves the right to change or discontinue this document and the products it describes in accordance with Pixelworks Product Change Notice and End of Life Policies. Other than as set forth in a separate, signed, written agreement, Pixelworks grants the user of this document no right, title or interest in the document, the information it contains or the intellectual property it embodies.

Pixelworks software and its documentation are available only under the terms of a separate license agreement.

Trademarks

The Pixelworks logo is a registered trademark, and Pixelworks and DNX are trademarks or service marks of Pixelworks, Inc. All other brand names, product names, trademarks, and registered trademarks are the property of their respective owners.

Visit our corporate web page at www.pixelworks.com.

For requests for information or support, contact us at support@pixelworks.com.

For documentation suggestions or corrections, contact techpubs@pixelworks.com.

P/N 014-3035-00 Page 54 of 54