
PanelMate Document Viewer Users Guide

Preface

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FAX: 800-752-8602
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(support for OI & IPC)

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- 800-809-2772, selection 5, 4 (8AM-5PM EST)
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FAX: 614-882-3414

EMAIL: RepairCHA@eaton.com

If you have questions regarding the repair or upgrade of an OI/IPC, contact your local distributor. Additional support is also available from our well-equipped Repair and Upgrade Service department.

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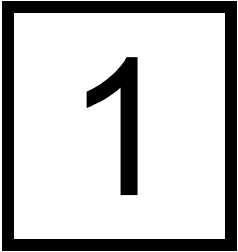
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PanelMate ePro X1 Treeview 28

PanelMate ePro XE PMStart.cmd File 29

PanelMate ePro X1 PMStart.cmd File 32

Chapter 1: Introduction



In this chapter, you will learn about the PanelMate Document Viewer.

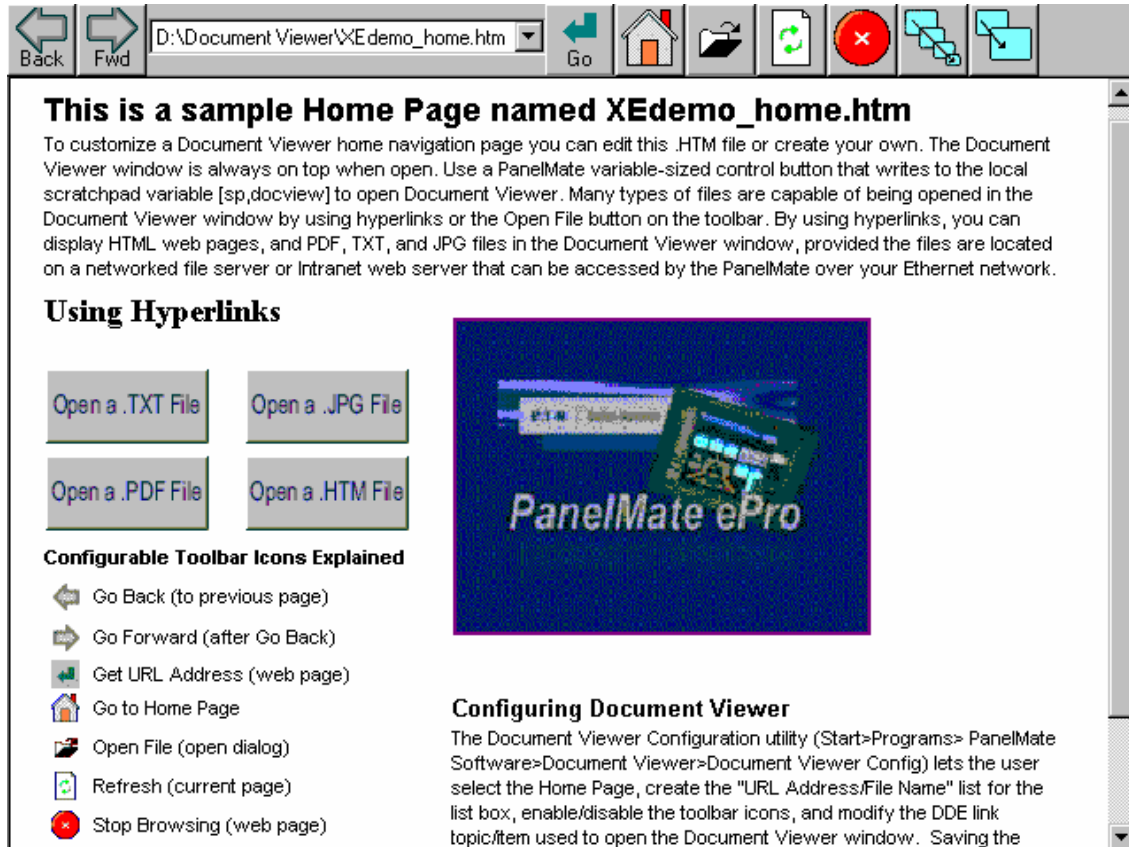
Document Viewer

Document Viewer is an application kit that provides a “padded-cell” browser for viewing files and web pages from the PanelMate. Document Viewer can be thought of as a secure user interface to Microsoft Internet Explorer, which is running in the background. The difference between its “padded-cell” user interface and the Internet Explorer user interface is that the operator can navigate to and view only those files and web pages that are allowed by the “Home Page” of Document Viewer.

The home page is a user configured HTML file (.htm) that can be created with any web-publishing tool such as Microsoft FrontPage or Macromedia DreamWeaver. URLs and Hyperlinks are placed in the “Home Page” that allow the user to select that link online and view the document or web page within the Document Viewer window. In addition to Internet Explorer, Adobe's Acrobat Reader is also running behind the scenes so that the operator can view .pdf files from the PanelMate. Since virtually any file type, including CAD drawings, Word documents, graphics, etc., can be saved in .pdf format there is no limit to the types of information that can be viewed from within Document Viewer. And since the operator's Internet/Intranet experience can be constrained to only those sites and files that are defined by the home page and subsequent links, operators can't choose “Where do you want to go today”. When the Document Viewer is combined with PanelMate ePro's Protect Mode you don't have to worry about Internet cookies, viruses, unwanted downloads, or registry changes affecting PanelMate's operational integrity.

In short, Document Viewer gives operators access to the networked information they need without requiring separate terminals or PCs on the plant floor, all provided in a safe, and secure network browser.

The Document Viewer application kit comes preloaded and ready to run on the PanelMate ePro XE and X1 models.



Demonstration Document Viewer Home Page with All Icons Displayed

Chapter 2: Getting Started With The Document Viewer



In this chapter, you will learn:

- *About files used with the Document Viewer*
- *About the Document Viewer demo*
- *About installing and uninstalling the Document Viewer*

Files Used With Document Viewer

There are several files that you must know about when using the Document Viewer.

- **Document Viewer.exe** - Document Viewer runtime and configuration program. If you execute the program with a **.dcv** file name as a command line argument then the Document Viewer program will execute in run mode using the named **.dcv** file for specifications. If there is no file name appended when executing Document Viewer program then program will execute in configuration mode and is used to create and/or edit **.dcv** files.
- **filename.dcv** –Document Viewer runtime attribute file. It describes the attributes for the Document Viewer and it contains the URL address / filename list and home page reference. The **.dcv** file is created by running the Document Viewer in configuration mode (with no file name as a command line argument).
- **filename.txt, filename.pdf, filename.jpg, filename.htm** –files that can be viewed “displayed” by the Document Viewer when in run mode. The **filename** is the name you assign to the files.

Document Viewer Demo

A demo of the Document Viewer is preloaded on the PanelMate ePro XE and X1 models. This demo will automatically run when you power up the PanelMate ePro XE or X1. Once the demo is launched you can demonstrate the Document Viewer by selecting the Document Viewer button from the PanelMate ePro XE or X1 menu page (explore and have some fun).

If you want to see how the Document Viewer was configured you can review the **XEdemo.pps** or **DVdemo.pps** and **demo.dcv** files in more detail using the configuration software. The demo files are provided on the PanelMate Power Pro software CD (V2.21 and above). The demo files can be found under **PM\Demos\lePro XE** or **PM\Demos\lePro X1**. The demo configurations demonstrate the Document Viewer in addition to the three other application kits: Headline Manager, Recipe Manager and Trend Viewer (XE models only). The demo files are as follows:

File Name	PanelMate ePro XE/X1 File Path	File Description
PMStart.cmd	D:\	Startup command file
XEdemo.pps or DVdemo.pps or HMdemo.pps or RMdemo.pps	D:\Cfg\	PanelMate configurations
XEdemo.ois or RMdemo.ois	D:\Cfg\	Recipe programs
recipelist.csv	D:\Cfg\	Recipe list
demo.dcv	D:\Document Viewer\	Document Viewer configuration

demo_home.htm	D:\Document Viewer\	Document Viewer home page
demobot.hlm	D:\Headline Manager\	Headline configuration (bottom)
demohl.csv	D:\Headline Manager\	Headline messages
demomid.hlm	D:\Headline Manager\	Headline configuration (middle)
demotop.hlm	D:\Headline Manager\	Headline configuration (top)
demo_xxx.csv	D:\Recipe Manager\	Recipe files (ingredients)
demoRamps.cht	D:\Trend Viewer\	Trend Viewer chart configuration (ramp)
demoRandom.cht	D:\Trend Viewer\	Trend Viewer chart configuration (random)
demoSinewave.cht	D:\Trend Viewer\	Trend Viewer chart configuration (sine)

These appropriate files are preloaded onto the PanelMate ePro XE and X1 models into the directories listed above. The demo can be started by selecting **Start>Run PMStart** or rebooting the system.

The demo **.pps** file uses an OPC server (simulation driver) to simulate reading data from a PLC for the Trend Viewer and demo pages.

Downloading Document Viewer Files

If you are configuring the Document Viewer **.dcv** files on a computer different from the online unit you must copy the Document Viewer files to the application area on the target unit. You will need to copy all **.dcv** files to the target unit.

Note: When using a PanelMate ePro XE or X1 models, it is recommended that you copy the user-created **.dcv** files and documents (**.jpg**, **.txt**, **.htm**, **.pdf**) to the **D:\Document Viewer** directory. The **D:** partition is designated as the user area and can be written to when the unit is in Protect Mode.

Installing Document Viewer Software

On the PanelMate ePro XE and X1 models the current Document Viewer software will be pre-installed. If you want to upgrade your Document Viewer to a newer version then you will need to install the Document Viewer software from the PanelMate Power Pro software CD (V2.1 and higher). Note that PanelMate ePro XE or X1 models have expanded storage and memory areas to support the Document Viewer and other application kits. The Document Viewer is not supported by the base PanelMate ePro models.

Once you have prepared the target unit for software downloads and have initiated the installation process, you will need to select the following items from the installation program in the sequence listed.

- Install Software
- Install PanelMate Kits

- Install Application Kits

If it is a first install then you can choose between Full, Compact or Custom installation. Selecting the Full option will result in all application kits being installed. If you select Custom then you can select the combination of kits that you want installed.

If the application kit software has already been installed you can choose between Modify, Repair and Remove. Modify will let you select the files you want to install and uninstall. Repair will replace the files already installed and Remove will uninstall all of the installed files.

The Document Viewer files are installed (default location) in a folder called:
C:\Program Files\Cutler-Hammer\PanelMate Application Kits

Selecting the Document Viewer on PanelMate ePro X1 Units

PanelMate ePro X1 models are designed to run one of three application kits. The Document Viewer application kit is the default selected kit. If you have activated a different application kit you will have to re-activate the Document Viewer Kit by using the Application Kit Selection Utility. To select the Document Viewer Kit on your PanelMate ePro select **Start>Programs>ePro Tools>Kit Selection**. Select the Document Viewer radio button and then **OK** to complete the selection.



Uninstalling Document Viewer Software

If you are not going to use the Document Viewer software, you can uninstall the software.

On a PanelMate ePro select the following:

Start>Programs>PanelMate Software>Uninstall PanelMate Application Kits

On a PC use the **Add/Remove Programs** feature to remove the program. Select **PanelMate Application Kits** to launch the installation wizard.

In both cases, you will be presented with the choice of Modify, Repair and Remove. Select Modify and then uncheck the files you want removed or select Remove to remove all of the application kit files.

Chapter 3: Using the Document Viewer in Configuration Mode



In this chapter, you will learn:

- *How to create Document Viewer files*
- *How to use the sample file to help you build configurations*

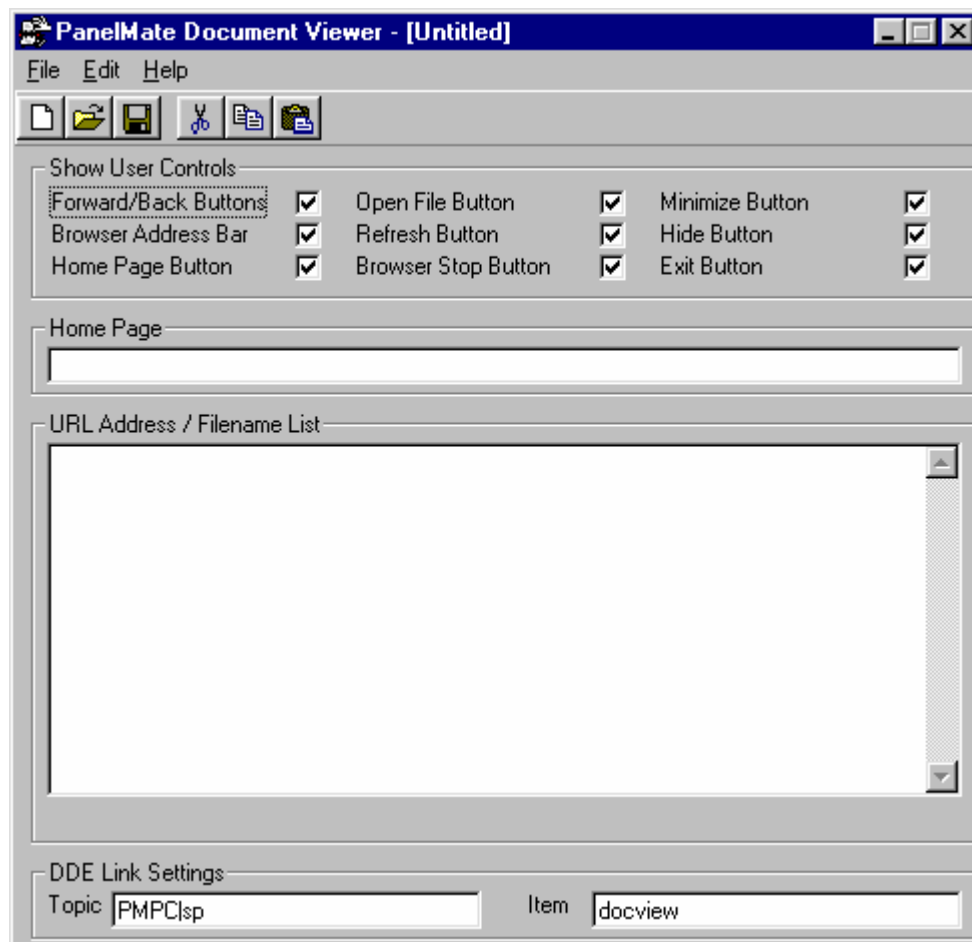
Configuring Document Viewer Run Mode Attributes (.dcv Files)

To configure Document Viewer attributes you need to run the Document Viewer program in configuration mode. You can run Documents Viewer on your PanelMate ePro or on a PC. When you save the document viewer attributes you will be saving the information in a **.dcv** file.

Run the Document Viewer using the following sequence:

Start>Programs>PanelMate Software>Document Viewer>Document Viewer Config

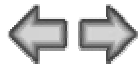
Once you have started the Document Viewer program in the configuration mode you will see the following window with default values assigned to all fields.



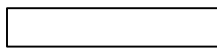
If you would like to edit an existing **.dcv** file then select **File>Open** and select the desired **.dcv** file. When you are done with the configuration process then select **File>Save** or **File>Save As** to save the new **.dcv** file.

Each field is described in detail below.

Check boxes are used to select what icons will appear in the Document Viewer run mode window. Customization is important so that operators are only given the tools that are needed



Forward/Back Buttons check box – select this item if you want to have the Forward and Back arrows appear on the Document Viewer window. These keys will allow the operator to move backward and forward through the list of viewed items.



Browser Address Bar check box – select this item if you want to have the Browser Address Bar and Go button appear on the Document Viewer window. This will allow operators to select URL addresses and filenames from the drop down menu. The items in the drop down menu will be from the **URL Address / Filename List**.



Home Page Button check box – select this item if you want to have the Home button appear on the Document Viewer window. This will allow operators to quickly return to the home display.



Open File Button check box – select this item if you want to have the Open File button appear on the Document Viewer window. This will allow operators to open a file. Files allowed are **.htm**, **.jpg**, **.pdf** and **.txt** types.



Refresh Button check box – select this item you want to have the Refresh button appear on the Document Viewer window. This button will allow operators to recall the last URL address or file name requested.



Browser Stop Button check box – select this item if you want to have the Browser Stop button appear on the Document Viewer window. This button will stop the document viewer from drawing the currently requested URL address or file.



Minimize Button check box – select this item if you want to have the Minimize button appear on the Document Viewer window. This button will allow the operator to minimize the document viewer while in run mode. After the Document Viewer window has been minimized, a button will appear at the top right of the display with the title "Document Viewer". Select this button to Maximize the Document Viewer window.



Hide Button check box – select this item if you want to have the Hide button appear on the Document Viewer window. This button will allow the operator to remove the Document Viewer window from the screen. This is different from Minimize in that the

only way to recall the window is to trigger the **DDE Link Setting Item**. No recall button will automatically be displayed



Exit Button check box – select this item if you want to have the Exit button appear on the Document Viewer window. This item will terminate the execution of the document viewer. Note that the Document Viewer program will terminate when the specified DDE link is broken. This means that when the PanelMate PC Pro runtime program ends then the Document Viewer program will end. Use of this icon is recommended for testing purposes only and is not needed for run mode.

Home Page – enter the URL address or file name of the home page. This page will be displayed when opening the Document Viewer window for the first time or when pressing the Home button. The home page is typically a **.htm** file that can be easily created using tools such as Microsoft FrontPage or Macromedia DreamWeaver.

URL Address / Filename List – enter the URL addresses and names of files that can be viewed using the Document Viewer. These items will appear in the Browser Address Bar drop down menu. It is recommended that URL addresses are local intranet sites as the Document Viewer running on PanelMate ePro will not support many of the features and support programs required to view many Internet sites. Files supported are **.htm**, **.jpg**, **.pdf**, and **.txt** types.

If there are a large number of files that will be accessed by the operator it is recommended that you create files that include hyperlinks using HTML editing tools such as Microsoft FrontPage or Macromedia DreamWeaver. If you do not do this, the operator will be forced to use a drop down menu that has too many entries or the operator will have to browse for files using the **File Open** feature. Using hyperlinks make it very easy to organize files for operators.

DDE Link Settings

Note: The PanelMate PC Pro runtime software (pmc.exe) has a built in DDE server. When the PanelMate PC Pro runtime program terminates the Document Viewer will automatically terminate.

Topic – DDE topic for the **Item**. The format is **applicationname|topic** where **applicationname** is the name of the program providing the data. When using PanelMate ePro or PC Pro the **applicationname** is PMC. The **topic** is typically a scratchpad variable so it is defined as “sp”. An example for this field is PMC|sp. The **applicationname** and **topic** are separated by the “|” character. Note that this is the bar or pipe character and not a lower case letter L (l).

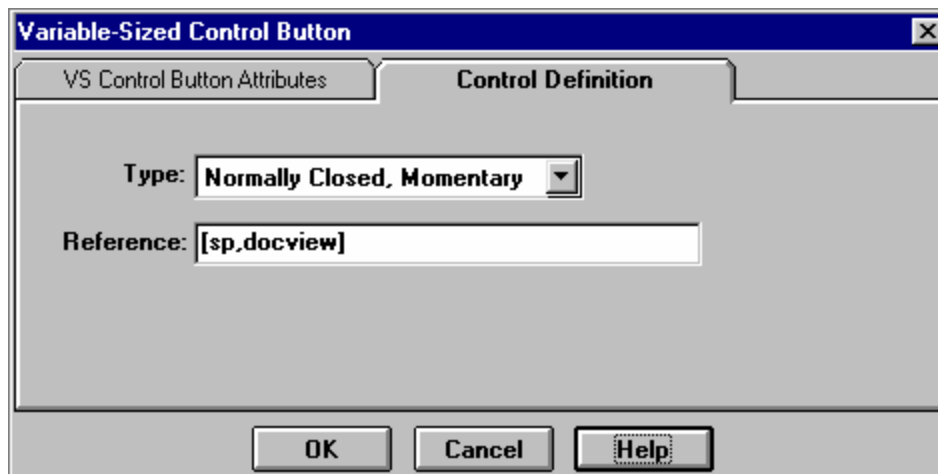
Item – scratchpad tagname for the trigger value. When the trigger value changes to 1 the Document Viewer window will be displayed in the maximized view when in run mode. The trigger value is typically changed by including it in PanelMate variable-sized control button defined as Normally Closed Momentary on a page or multiple pages. When pressed, the button will clear the trigger value (0) and then set the trigger value (1) causing the Document Viewer window to be displayed.

Previewing the Document Viewer Runtime Window

In order to test the Document Viewer window as it will appear in run mode select **File>Run**. When done testing select the **Exit** button (if there is one) or terminate the program using a task manager.

Configuring PanelMate Applications for the Document Viewer (.pps Files)

In order to switch between the PanelMate application and the Document Viewer running in the background you must add a variable-sized pushbutton to each page from which you wish to call the Document Viewer. The Variable-Sized Control Button should be set to Normally-Closed, Momentary and the **Reference** should match the DDE Link Setting **Item** configured in the Document Viewer configuration. The normally closed momentary setting results in setting the reference to a value of 0 when pressed and 1 when released. This allows the switch to the Document Viewer window to take place upon the release of the pushbutton so that the button state will be in the normal state when the PanelMate window is displayed after hiding or minimizing the Document Viewer window. As an example, if the DDE Link Setting **Topic** is set to: PMC|sp, and the **Item** is set to **docview** then the following dialog settings for the control button would be correct:

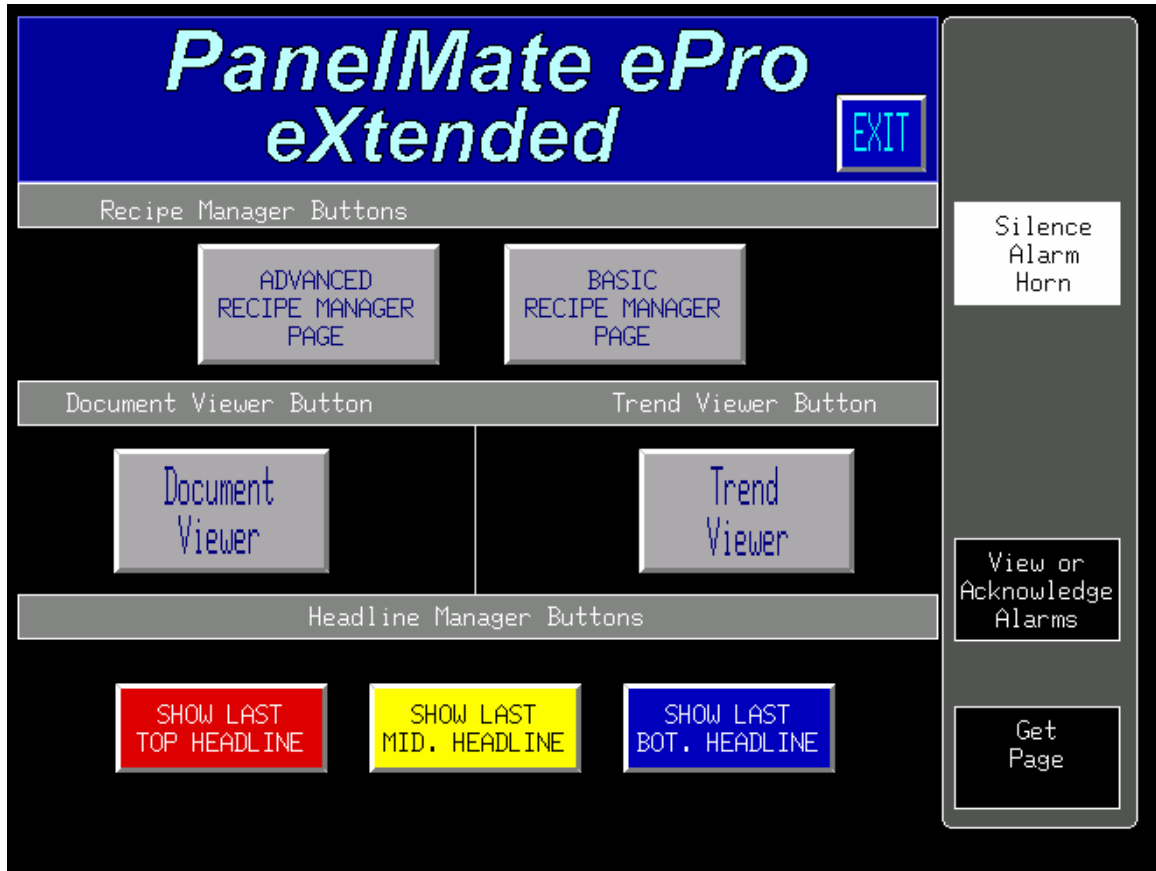


PanelMate Configuration for Variable-Sized Control Button For Document Viewer

Using the Sample Files

A **sample pps** file can be found on the PanelMate Power Pro software CD (V2.1 and higher) under **PM\Kits\Sample** to help you build your PanelMate configuration that will be using the Document Viewer. The **sample.pps** file contains a page 197 that contains variable-sized buttons (defined as Normally Closed Momentary) that can be used to set the DDE link trigger to call up the Document Viewer program. You can simply copy the desired variable-sized buttons to your application. The **sample.pps** button for Document Viewer changes the value of the scratchpad variable **docview** to 0 and then

to 1. If necessary you can change the scratchpad variable name used in the button and assigned during the configuration mode in the **.dcv** file.



Control Buttons - Sample Configuration Page 197

Chapter 4: Using the Document Viewer in Run Mode

4

In this chapter, you will learn:

- *How to launch the Document Viewer*
- *How to use the Document Viewer in run mode*

Document Viewer Launching Methods

The Document Viewer is designed to run in tandem with the PanelMate PC Pro application.

There are two recommended ways to launch the Document Viewer with a PanelMate PC Pro configuration:

- 1) Using the startup **PMStart.cmd** file at boot-up
- 2) Using **Start>Run PMStart**

Notes:

- During boot-up, there will be no messages displayed telling you that the Document Viewer is launching.
- The Document Viewer must be selected as the active kit when using X1 models. See Chapter 2 - Selecting the Document Viewer on PanelMate ePro X1 Units for details.

Using the Startup PMStart.cmd File to Automatically Launch a Configuration and Document Viewer

When your run time unit boots up, it automatically launches the **PMStart.cmd** file. If you would like the run time unit to automatically launch your configuration and Document Viewer, you can do so by editing the **PMStart.cmd** file using Notepad. To do this, complete the following steps.

Note: When using a PanelMate ePro, the **PMStart.cmd** file is found in the root directory of the **D:** partition. There are two **PMStart.cmd** files described in this manual, one for the XE models and one for the X1 models. See Appendix A for a complete listing of the **PMStart.cmd** files.

- 1) Connect a PS/2 mouse and keyboard to your unit.
- 2) Reboot your unit.
- 3) Click **Start>Explorer**.
- 4) Browse to find **PMStart.cmd** and then right-click the file and click **Edit**.
Result: Notepad is launched.
- 5) Edit the following line in the **PMStart.cmd** file by replacing the **.pps** file name with the name of your ePro configuration.

set MY_CFG=d:\cfg\xxx.pps

- 6) In the **PMStart.cmd** file you will see a line with the following:

set MY_DCVFile="d:\Document Viewer\demo.dcv"

Replace the **demo.dcv** file name with the name of your Document Viewer configuration file. If you are not using the Document Viewer then replace the file name with "none". If you store the configuration file at a path location different from the default location make sure that you enter the correct path name.

- 7) Save the edited **PMStart.cmd** file, then close Notepad.

By-Passing the Document Viewer in the PMStart.cmd File

If you do not want to launch the Document Viewer then make sure that the file name for the line noted in step 6 above is set to "none" as shown here.

Set MY_DCVFile="d:\Document Viewer\none.dcv"

Power-Up Sequence

Once power is connected to your PanelMate ePro run time unit, the following occurs:

- 1) A DOS prompt appears on the screen, informing you that the unit is initializing system resources.
- 2) The Windows NT Embedded operating system boots up.
- 3) A **Delay-Connecting to Touchscreen Controller** window appears, informing you that the unit is loading the touchscreen driver.
- 4) The PanelMate PC Pro application launches.
- 5) The Document Viewer program launches
- 6) Other application kits launch as specified in the PMStart.cmd file

Note: You may see the error "DDE Link not available" when attempting to initialize the Document Viewer window. If you receive this error it could mean that the DDE server is not established. You can increase the sleep time by modifying the following line in the **PMStart.cmd** file to a time longer than 40 seconds.

Set CFG_LOAD_TIME=40

The error could also be the result of the DDE Topic/Item configured in the **.dcv** file not being found. If PanelMate PC Pro is specified (PMC) then make sure the Topic and Item values are included in the PanelMate configuration file (typically in a variable-sized control button).

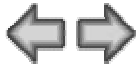
Document Viewer in Run Mode

The intent of the Document Viewer is to provide a controlled environment for operators that need to view web pages and documents. The web pages being viewed are typically Intranet sites and customized HTML pages. Files supported are **.htm**, **.jpg**, **.pdf** and **.txt** file types. Document Viewer on PanelMate ePro can easily prevent operators from uncontrolled web surfing and file downloading from Internet sites.

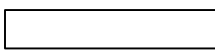
Keep in mind that the Document Viewer on PanelMate ePro may not support many of the features and functions required by Internet sites so it is recommended that URL addresses are for local, known intranet web sites only. It is also recommended that customized HTML pages be created that present hyperlinks to the files needed. Using this technique, operators can be presented with only the options that are applicable to the operation of the machine or process.

The operator can perform a variety of operations depending on the icons selected. The icons that are presented were selected while in the configuration mode. The Document Viewer window attributes are stored in a **.dcv** file and are provided as a command line argument when running the Document Viewer. The Document Viewer window is displayed whenever the **DDE Link Settings Item** value specified in the **.dcv** files changes to 1.

Run mode icons are as follows:



Forward/Back Buttons - move backward and forward through the list of viewed items.



Browser Address Bar - select URL addresses and filenames from the drop down menu and then select the Go button. The items in the drop down menu are from the **URL Address / Filename List** assigned during configuration mode.



Home Page Button - return to the assigned home display.



Open File Button - open a file. Supported file types include .htm, .jpg, .pdf and .txt formats.



Refresh Button - recall the last URL address or file name requested.



Browser Stop Button - stop the document viewer from drawing the currently requested URL address or file.



Minimize Button - minimize the Document Viewer window. The window will be removed and a small button will appear at the top of the display labeled "Document Viewer". Select this button to maximize the Document Viewer window



Hide Button – hide the Document Viewer window. The Document Viewer window will need to be recalled by using the **DDE Link Setting Item** trigger.



Exit Button - terminate the execution of the Document Viewer program. Note that the Document Viewer will automatically terminate when the PanelMate PC Pro runtime program is terminated (ie. The DDE link is broken).

Document Viewer - maximize the Document Viewer window. This button will appear at the top right after selecting the Minimize button.

Chapter 5: Troubleshooting

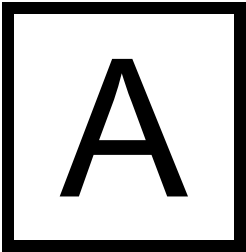


In this chapter, you will learn how to troubleshoot the Document Viewer.

Document Viewer Troubleshooting

Issue	Possible Cause	Corrective Action
DDE Link not available Topic: xxx xxx Item: xxx	Startup sleep time not long enough so the DDE Topic is not available when the Trend Viewer is trying to make connections or the DDE Topic or Item does not exist	Make the sleep time longer in the PMStart.cmd file or check to make sure the configured DDE Topic and Item are valid

Appendix A: Directories and Files



In this appendix, you will learn:

- *About the PanelMate ePro directory and file layout*
- *About the PMStart.cmd file*

PanelMate ePro XE Treeview

The following lists the treeview of the PanelMate ePro XE units with the demo files loaded. A similar organization should be used for your application. You can write to the **D:** partition when the ePro is in Protect Mode.

D:

PMStart.cmd demo start-up command file (see descriptions in the next section)

Cfg (put the .pps, .ois and recipelist.csv files here)

XEdemo.pps	demo configuration
XEdemo.ois	demo recipe script engine
recipelist.csv	demo list of recipe names
recipemanager.log	log file for the Recipe Manager
simdemo.opf	OPC server configuration (OPC server & simulation driver)
chddesrv.exe	demo DDE server (used for data simulation)

Document Viewer (put the .dcv and data files here)

demo.dcv	demo URL/Filename list
demo_home.htm	demo startup page for Document Viewer
relnotes.txt	demo .txt file to call up
ePro-8 cutout template.pdf	demo .pdf file to call up
1219B power supply.jpg	demo .jpg file to call up
ePro.jpg	demo .jpg file to call up
PM help.htm	demo .htm file to call up
*.gif files	files for *.htm files

Headline Manager (put the .hlm and headline .csv files here)

demobot.hlm	demo headline specs – bottom
demohl.csv	demo Headline Manager messages
demomid.hlm	demo headline specs – middle
demotop.hlm	demo headline specs – top

Recipe Manager (put the recipe file .csv files here)

demo_XXX.csv	demo Recipe ingredients – 20 files where xxx is the recipe name
--------------	---

Trend Viewer (put the .cht files here)

demoRamps.cht	demo chart with ramp data
demoRandom.cht	demo chart with random data
demoSinewave.cht	demo chart with sine data

PanelMate ePro X1 Treeview

The following lists the treeview of the PanelMate ePro X1 units with the demo files loaded. A similar organization should be used for your application. You can write to the **D:** partition when the ePro is in Protect Mode.

D:

PMStart.cmd demo start-up command file (see descriptions in the next section)

Cfg (put the **.pps**, **.ois** and **recipelist.csv** files here)

DVdemo.pps	Document Viewer demo configuration
HMdemo.pps	Headline Manager demo configuration
RMdemo.pps	Recipe Manager demo configuration
RMdemo.ois	recipe script engine
recipelist.csv	demo list of recipe names
recipemanager.log	log file for the Recipe Manager
simdemo.opf	OPC server configuration (OPC server & simulation driver)
chddesrv.exe	demo DDE server (used for data simulation)

Document Viewer (put the **.dcv** and data files here)

demo.dcv	demo URL/Filename list
demo_home.htm	demo startup page for Document Viewer
relnotes.txt	demo .txt file to call up
ePro-8 cutout template.pdf	demo .pdf file to call up
1219B power supply.jpg	demo .jpg file to call up
ePro.jpg	demo .jpg file to call up
PM help.htm	demo .htm file to call up
*.gif files	files for *.htm files

Headline Manager (put the **.hlm** and headline **.csv** files here)

demobot.hlm	demo headline specs – bottom
demohl.csv	demo Headline Manager messages
demomid.hlm	demo headline specs – middle
demotop.hlm	demo headline specs – top

Recipe Manager (put the recipe file **.csv** files here)

demo_xxx.csv	demo Recipe ingredients – 20 files where xxx is the recipe name
--------------	---

PanelMate ePro XE PMStart.cmd File

This is the **PMStart.cmd** file that is preloaded on the PanelMate ePro XE unit in its default state. Lines will be edited for your application. See Chapter 4: Recipe Manager Launching Methods for more details. This file can be found on the PanelMate Power Pro CD (V2.21 and higher) in **PMDemos\lePro XE**

```
@echo off
```

```
REM * To set this batch file to automatically start a
REM * PanelMate PC Pro Application, set the variable
REM * MY_CFG to the desired path\filename.
```

```
set MY_CFG=d:\cfg\XEdemo.pps
```

```
REM * If you are going to start Document Viewer,
REM * Headline Manager, or Trend Viewer after the
REM * PanelMate configuration loads, set the variable
REM * CFG_LOAD_TIME to the number of seconds it takes
REM * to completely boot up the PPS file. Measured from
REM * when begins to load until the first display is drawn
REM * following a power down reboot.
```

```
set CFG_LOAD_TIME=40
```

```
REM * To set this batch file to automatically start
REM * Document Viewer, set the variable MY_DCVFile
REM * to the desired path\filename of your Document
REM * Viewer Configuration file (.DCV)
REM * To by-pass the Document Viewer use the file name none.dcv
```

```
set MY_DCVFile="d:\Document Viewer\demo.dcv"
```

```
REM * To set this batch file to automatically start
REM * up to three Headlines, set the variables
REM * MY_TOPHL, MY_MIDHL, and MY_BOT to the desired
REM * path\filename of the three Headline Manager
REM * Configuration files (.HLM)
REM * To by-pass a headline use the file name none.hlm
```

```
set MY_TOPHL="d:\Headline Manager\demotop.hlm"
set MY_MIDHL="d:\Headline Manager\demomid.hlm"
set MY_BOTHL="d:\Headline Manager\demobot.hlm"
set MY_PTRHL="d:\Headline Manager\none.hlm"
```

```
REM * To automatically start Recipe Manager you do
REM * not need to do anything within this batch file.
REM * Just place the file recipelist.csv in the same
REM * directory as the PanelMate PC Pro application
REM * file (.PPS) and copy the RecipeManager.OIS file to the
```

```
REM * same directory and rename the .OIS file to match
REM * the name of the .PPS file (Example: Myconfig.OIS)
```

```
REM * To automatically start Trend Viewer, leave the
REM * variable START_TREND set to YES. If you do not want
REM * Trend Viewer to start, change to variable to NO
```

```
set START_TREND="YES"
```

```
if exist %MY_CFG% goto START_APP
goto NO_APP
```

```
:START_APP
echo Starting PanelMate Application %MY_CFG%...
d:
cd d:\cfg
start c:\pmconfig\ntonline\pmc.exe %MY_CFG%
sleep %CFG_LOAD_TIME%
```

```
if exist %MY_DCVFile% goto START_DCV
goto NO_DCV
```

```
:START_DCV
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Document Viewer.Ink"
%MY_DCVFile%
sleep 2
```

```
:NO_DCV
if exist %MY_TOPHL% goto START_TOP
goto NO_TOP
```

```
:START_TOP
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_TOPHL%
sleep 2
```

```
:NO_TOP
if exist %MY_MIDHL% goto START_MID
goto NO_MID
```

```
:START_MID
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_MIDHL%
sleep 2
```

```
:NO_MID
if exist %MY_BOTHL% goto START_BOT
goto NO_BOT
```

```
:START_BOT
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_BOTH%
sleep 2

:NO_BOT
if exist %MY_PTRHL% goto START_PTR
goto NO_PTR

:START_PTR
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_PTRHL%
sleep 2

:NO_PTR
if %START_TREND% == "YES" goto START_TREND
goto EXIT

:START_TREND
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Trend Viewer.Ink"
goto EXIT

:NO_APP
echo PanelMate Application %MY_CFG% Not Found...
sleep 5

:EXIT
```

PanelMate ePro X1 PMStart.cmd File

This is the **PMStart.cmd** file that is preloaded on the PanelMate ePro X1 unit in its default state to demonstrate the Document Viewer.

Lines will be edited for your application. See Chapter 4: Document Viewer Launching Methods for more details. This file can be found on the PanelMate Power Pro CD (V2.21 and higher) in **PM\Demos\lePro X1**.

You will also need to make sure that the Document Viewer is the selected kit. See Chapter 2: Selecting the Document Viewer on PanelMate ePro X1 Units for details.

```
@echo off
```

```
REM * To set this batch file to automatically start a  
REM * PanelMate PC Pro Application, set the variable  
REM * MY_CFG to the desired path\filename.
```

```
set MY_CFG=d:\cfg\DVdemo.pps
```

```
REM * If you are going to start Document Viewer,  
REM * Headline Manager, or Trend Viewer after the  
REM * PanelMate configuration loads, set the variable  
REM * CFG_LOAD_TIME to the number of seconds it takes  
REM * to completely boot up the PPS file. Measured from  
REM * when begins to load until the first display is drawn  
REM * following a power down reboot.
```

```
set CFG_LOAD_TIME=40
```

```
REM * To set this batch file to automatically start  
REM * Document Viewer, set the variable MY_DCVFile  
REM * to the desired path\filename of your Document  
REM * Viewer Configuration file (.DCV)  
REM * To by-pass the Document Viewer use the file name none.dcv
```

```
set MY_DCVFile="d:\Document Viewer\demo.dcv"
```

```
REM * To set this batch file to automatically start  
REM * up to three Headlines, set the variables  
REM * MY_TOPHL, MY_MIDHL, and MY_BOT to the desired  
REM * path\filename of the three Headline Manager  
REM * Configuration files (.HLM)  
REM * To by-pass a headline use the file name none.hlm
```

```
set MY_TOPHL="d:\Headline Manager\none.hlm"  
set MY_MIDHL="d:\Headline Manager\none.hlm"  
set MY_BOTHL="d:\Headline Manager\none.hlm"  
set MY_PTRHL="d:\Headline Manager\none.hlm"
```

```
REM * To automatically start Recipe Manager you do
```



```

REM * not need to do anything within this batch file.
REM * Just place the file recipelist.csv in the same
REM * directory as the PanelMate PC Pro application
REM * file (.PPS) and copy the RecipeManager.OIS file to the
REM * same directory and rename the .OIS file to match
REM * the name of the .PPS file (Example: Myconfig.OIS)

if exist %MY_CFG% goto START_APP
goto NO_APP

:START_APP
echo Starting PanelMate Application %MY_CFG%...
d:
cd d:\cfg
start c:\pmconfig\ntonline\pmc.exe %MY_CFG%
sleep %CFG_LOAD_TIME%

if exist %MY_DCVFile% goto START_DCV
goto NO_DCV

:START_DCV
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Document Viewer.Ink"
%MY_DCVFile%
sleep 2

:NO_DCV
if exist %MY_TOPHL% goto START_TOP
goto NO_TOP

:START_TOP
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_TOPHL%
sleep 2

:NO_TOP
if exist %MY_MIDHL% goto START_MID
goto NO_MID

:START_MID
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline
Manager.Ink" %MY_MIDHL%
sleep 2

:NO_MID
if exist %MY_BOTHL% goto START_BOT
goto NO_BOT

:START_BOT

```

```
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline  
Manager.Ink" %MY_BOTH%  
sleep 2
```

```
:NO_BOT  
if exist %MY_PTRHL% goto START_PTR  
goto NO_PTR
```

```
:START_PTR  
"C:\PROGRAM FILES\Cutler-Hammer\PanelMate Application Kits\Headline  
Manager.Ink" %MY_PTRHL%  
sleep 2
```

```
:NO_PTR  
goto EXIT
```

```
:NO_APP  
echo PanelMate Application %MY_CFG% Not Found...  
sleep 5
```

```
:EXIT
```

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