InFocus Touchscreen

Android Software Guide

009-1758-00

CONTENTS

Legal Declarations 3
Getting Started Quickly 4
Understanding the Home Screen Options 5
Working with Whiteboard 7
- Defining Whiteboard 7
- Using Whiteboard 7
  - Understanding Whiteboard Tools 7
  - Selecting a Whiteboard Tool 8
  - Displaying and Hiding Whiteboard Tools 8
  - Using Your Fingers to Control Whiteboard 8
  - Changing the Pen Thickness, Transparency, and Color 11
  - Drawing and Adjusting Whiteboard Shapes 12
  - Drawing Freehand and Erasing on Whiteboard 13
  - Using Whiteboard Text Tools 15
  - Selecting, Copying, Pasting, Deleting, or Moving a Whiteboard Object 18
  - Creating a New Whiteboard Page 19
  - Saving a Drawing From Whiteboard To Thumb Drive 19
  - Saving a Drawing From Whiteboard To a Specific Location 19
  - Changing the Background On Whiteboard To An Image 21

Working With the Annotation Function 22
- Defining Annotation 22
- Understanding the Annotation Tools 23
- Using Fingers to Annotate 24

Working With Applications 26
- Factory Loaded Applications 26
- Understanding Standard Application Functions 26
- Connecting To Display With Any Device Using EShare 30
- Before Connecting Using EShare 30
- Connecting Using EShare Codes 30

Casting (Mirroring) 32
Defining Casting (Mirroring) 32
Changing the Display Name and Security Code in Eshare 32
Changing the Display Name 32
Changing the Security Code in the System 33
Casting Using iMirror (AirPlay) for Apple Devices 35
Before Using iMirror 35
Mirroring Using iMirror 35
Working With File Manager 36
Displaying a File or Image 36
Understanding the Select Menu 37
Saving a File To the Display Hard Drive 38
Saving a File From the Internet Using Touch Control 38
Saving a File From the Internet Using the Remote 39
Saving a File From a PC or Tablet 40
Saving a File From a Thumb Drive To The Display's Hard Drive 40
Saving Files (Images) to a Thumb Drive 42
Understanding File Manager Options 43
Understanding File Manager Settings 46
Deleting a File from the Display's Hard Drive 48
Changing the Wallpaper 49
Troubleshooting 50
Resources 52

LEGAL DECLARATIONS

Manufacturer: InFocus Corporation, 13190 SW 68th Parkway, Suite 200, Portland, Oregon 97223-8368 USA

Trademarks

Apple, Mac and Facetime are trademarks or registered trademarks of Apple, Inc. Microsoft, Windows, PowerPoint, Excel and Word are trademarks or registered trademarks of Microsoft Corporation. Adobe and Acrobat are trademarks or registered trademarks of Adobe Systems Incorporated. HDMI logo and "High Definition Multimedia Interface" are registered trademarks of HDMI Licensing LLC. Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. SRS TruSurround HD and SRS TruVolume are trademarks of SRS Labs, Inc. TruSurround HD and TruVolume technologies are incorporated under license from SRS Labs, Inc. InFocus, In Focus, INFOCUS (stylized), MondoCenter, Mondopad, BigTouch, JTouch, ShareView, and Total Touch Control (TTC) are either registered trademarks or trademarks of InFocus Corporation in the United States and other countries. All other trademarks are the property of their respective owners. Any other trademarks, service marks, personal names or product names are assumed to be the property of their respective owners and are used only for reference. There is no implied sponsorship, affiliation, certification, approval or endorsement if we use one of these terms.

InFocus reserves the right to alter product offerings and specifications at any time without notice.

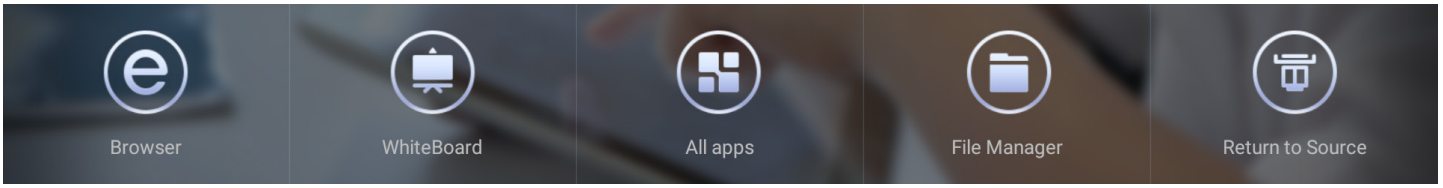
GETTING STARTED QUICKLY

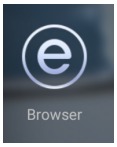
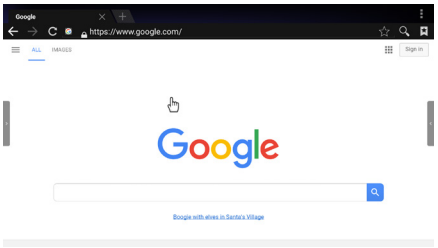
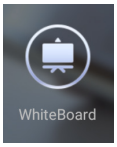
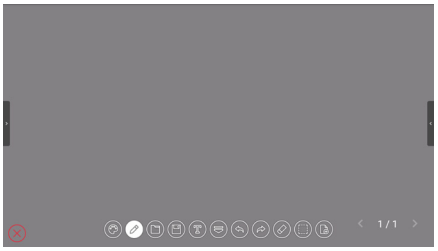
Here are some of the common tasks and where to find instructions on how to do them.

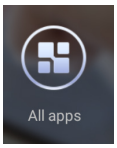
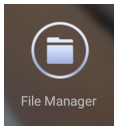
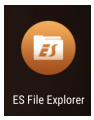
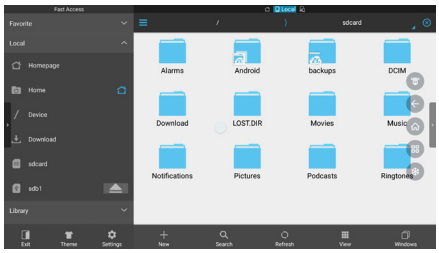
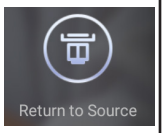
What Would You Like To Do?...	Do This... Or Refer To This Section...
Give Touch to a connected PC	The online Hardware Guide for your model can be found at www.infocus.com/support. Type your model number into the search box, scroll down to view available guides, choose the User or Hardware Guide pdf.
Open a Browser	Make sure the internet is connected to the Display, see "Understanding the Home Screen Options" on page 5.
Download an image or file from the internet to your Display	See "Saving a File To the Display Hard Drive" on page 38.
Display a file on the screen	See "Displaying a File or Image" on page 36.
Annotate (draw) on a displayed image	See "Working With the Annotation Function" on page 22.
Use Whiteboard feature (electronic chalkboard)	See "Working with Whiteboard" on page 7.
Save a picture of the displayed screen to a thumb drive	See "Saving Files (Images) to a Thumb Drive" on page 42.
Connect an Android or Apple device to the Display	See "Connecting To Display With Any Device Using EShare" on page 30.
Send my Android device screen to the Display	See "Connecting To Display With Any Device Using EShare" on page 30.
Send the Display screen to my Android device	See "Connecting To Display With Any Device Using EShare" on page 30.
Send my Apple device's screen to the Display	See "Mirroring Using iMirror" on page 35.
Send the Display screen to my Apple device.	See "" on page 35.
Find out which Apps are loaded on the Display	See "Working With the Annotation Function" on page 22.
Learn about the Display Hardware	See the Hardware Guide for your model online at www.infocus.com.

UNDERSTANDING THE HOME SCREEN OPTIONS

The Home Screen Menu choices are displayed at the bottom of the Home. These icons provide short cuts to the most common functions used on this Display:



Icon	Tool Name	Result	Screen-shot and Reference
	Browser	Opens internet browser.	
	Whiteboard Feature	Opens Whiteboard.	 **Note:** See section, "Working with Whiteboard" on page 7.

Icon	Tool Name	Result	Screen-shot and Reference
	All Applications	Displays all available applications.	 **Note:** See section, "Working With Applications" on page 26.
	File Manager	Displays the files and images on the display's hard drive. **Note:** This is a shortcut to the File Manager application. 	 **Note:** See "Understanding File Manager Options" on page 43.
	Return to Source	Returns the screen to the last selected source, prior to displaying the Home Screen. **Note:** To learn about sources, see the online Hardware Guide for your model at www.InFocus.com.	The "No Signal" message displays. **Note:** How to connect your panel to other devices, including PCs, is documented online in the Hardware Guide for your model. See **www.InFocus.com.**

WORKING WITH WHITEBOARD

Defining Whiteboard

Whiteboard is an electronic chalkboard. One can draw, erase, change the background and drawing color, re-size drawn objects, put text on the board, select pieces of the displayed image, move an object, erase, etc.

Using Whiteboard

Understanding Whiteboard Tools

Icon	Tool Name	Function
	Choose Background	Allows Users to choose a background color for Whiteboard.
	Change Pen	Allows Users to draw on the Display with your finger. **Note:** To draw your image clearly. Keep other fingers and knuckles away from the drawing service.
	Insert Image	Allows Users to select a file or an image.
	Save File	Saves the screen to a Thumb drive, connected to the front of the Display. If there is no thumb drive, then the system will save to the Display's Hard Drive in a folder labeled "Screenshots."
	Add Text	Brings up a keyboard that Users can type text into.
	Minimize Tool-bar	Makes the tools menu disappear. **Note:** The Up Arrow replaces this down arrow, when selected. The Up Arrow allows Users to re-display Whiteboard tools,.
	Undo	Displays the previous screen/ page (one step back).
	Redo	Reverses the Undo tool; displays the next screen/ page (one step).
	Eraser	Erases the part of the screen that is touched. Use three fingers to erase. **Note:** This tool is highlighted, selected, in the above icon listing.

Icon	Tool Name	Function
	Select Objects	Allows one to draw a selection box around selected area of Display screen for purposes of copying, moving, pasting, or deleting.
	New Page	Displays a clean screen, new page; it also saves the former screen as previous page.

Selecting a Whiteboard Tool

To select a tool, tap it. When the background of a tool turns white, it is selected. The eraser tool is selected, below.

Displaying and Hiding Whiteboard Tools

When Whiteboard first displays, Whiteboard tools appear at the bottom of the screen. The central Down Arrow, which allows Users to hide these tools. When tools are hidden, the down arrow turns into an Up Arrow; tap it to re-display Whiteboard tools.

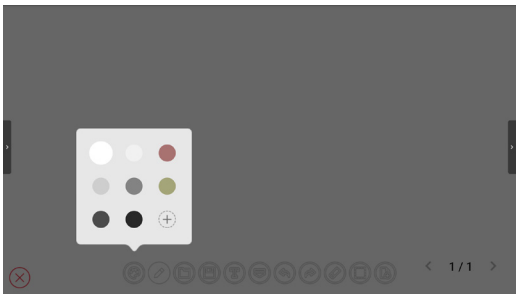
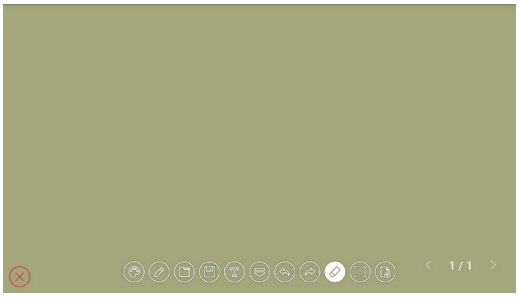
Using Your Fingers to Control Whiteboard

Use your fingers to draw, zoom, and erase the Display.

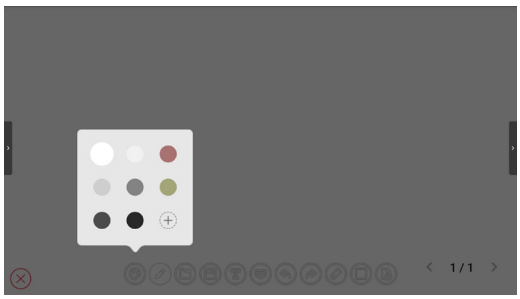
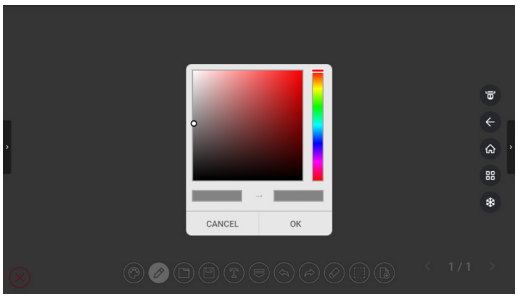
Use This Number of Fingers	To Do This Function...
1	Draw/ Select **Tip:** Keep other objects, including writing utensils, other fingers, and knuckles away from the drawing surface to draw your image cleanly.
2	Zoom in (spread) and out (bring together) **Tip:** Separate your fingers, so the Display can detect that you have two fingers, placed on the screen.
3-10	Erase **Tip:** Separate your fingers, so the Display can detect that you have more than fingers, placed on the screen.

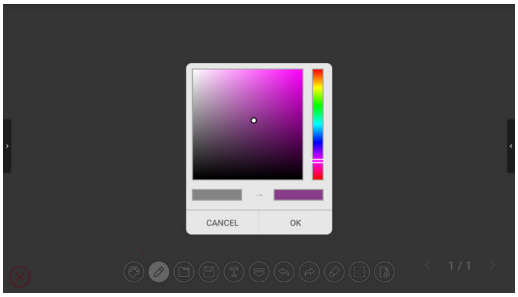
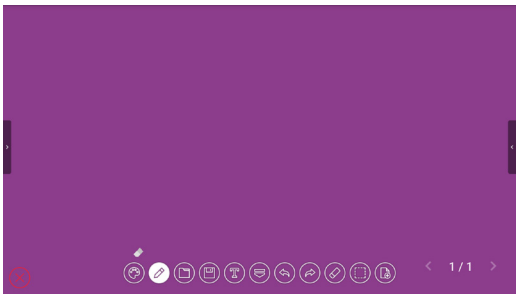
Changing the Background Color

To change the background color from the Whiteboard screen, follow these steps:

Step	Do This...	Icon	Result
1	Tap to choose the Pallet tool.		This color pallet displays. 
2	Tap to choose the background color that you want.		The background color you chose appears. 

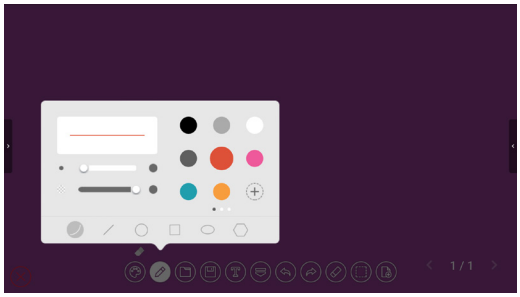
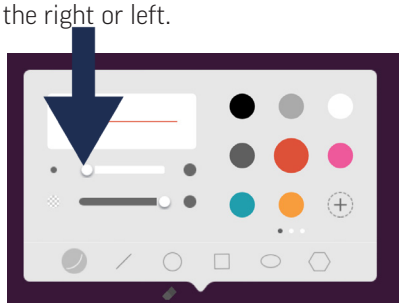
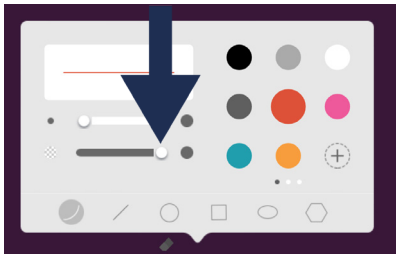
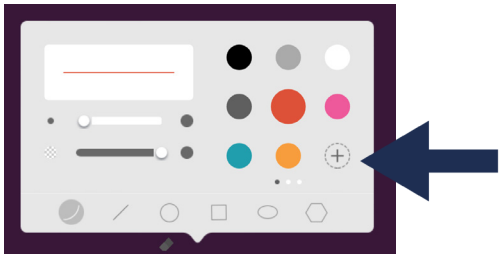
To change the background color to a color, not shows on the color pallet, follow these steps:

Step	Do This...	Icon	Result
1	Tap to choose the Pallet tool.		This color pallet displays. 
2	Tap the plus sign, +, on the color pallet.		Color selection pallet appears, with bar spectrum on right. 

Step	Do This...	Icon	Result
3	Tap anywhere on the color spectrum to choose a color family.		A new color selection pallet appears with the color family of your choice. 
4	Tap the area of the gradient box that most closely resembles the color you want; when you have chosen your color, press **OK**.		The Whiteboard screen appears with your chosen background color. 

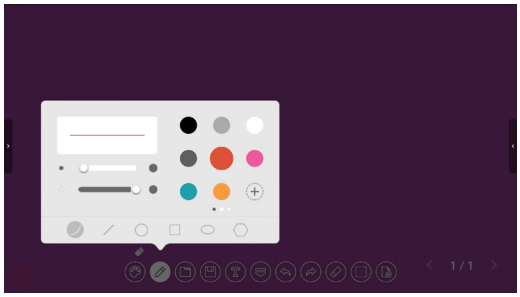
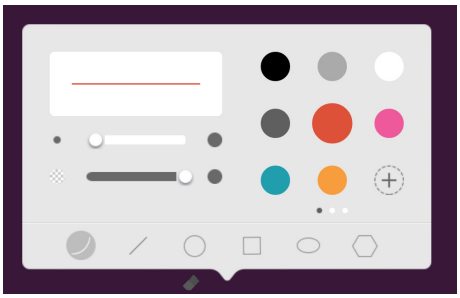
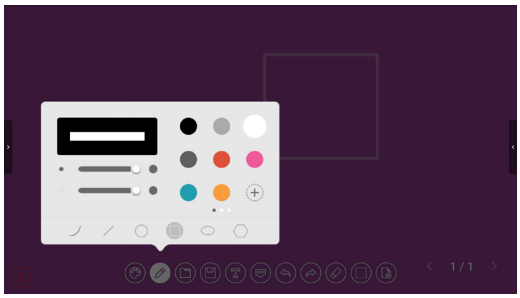
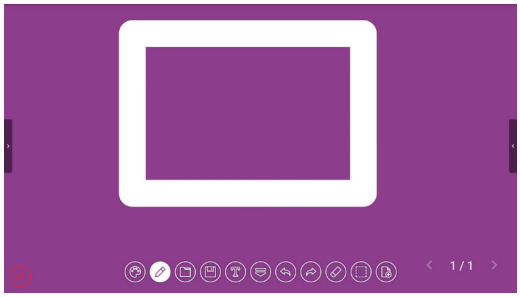
Changing the Pen Thickness, Transparency, and Color

To change the pen color, line thickness, transparency of the pen, follow these steps:

Step	Do This...	Icon	Result
1	Tap to choose the Pen tool.		This Pen Adjustment screen displays, and contains adjustments for line thickness, transparency, color, and shape tools. 
2	To adjust the line thickness, slide the first bar to the right or left. 		The pen line thickness increase when the bar is slid to the right, and it decreases when the bar is slid to the left.
	To adjust the line transparency, slide the second bar to the right or left. 		The pen transparency increase as the bar is slid to the right, and it decreases when the bar is slid to the left.
	To choose a pen color, tap it, or tap the plus sign, +, to choose from a full spectrum of color in the same way as the background color is selected. 		The pen color is changed to your desired color.

Drawing and Adjusting Whiteboard Shapes

To draw or adjust a shape, follow these steps:

Step	Do This...	Icon	Result
1	Tap to choose the Pen tool.		This Pen Adjustment screen displays, and contains adjustments for line thickness, transparency, color, and shape tools. 
2	Tap on a shape on the bottom of the Pen Adjustment Screen. 		The default line shape changes, according to your selection. 
3	Tap outside the Pen Adjustment Screen, then draw your shape.		Your shape appears on the display. 
4	Change the pen color, or make other adjustments to transparency, or thickness, on the Pen Adjustment Screen. See "Changing the Pen Thickness, Transparency, and Color" on page 11.		The adjustments are made.

Drawing Freehand and Erasing on Whiteboard

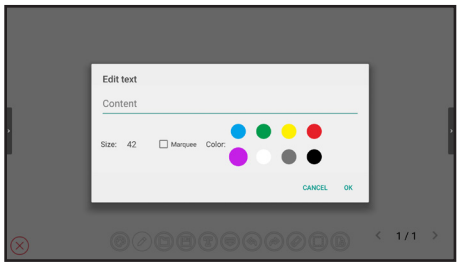
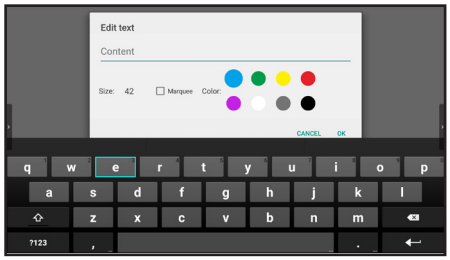
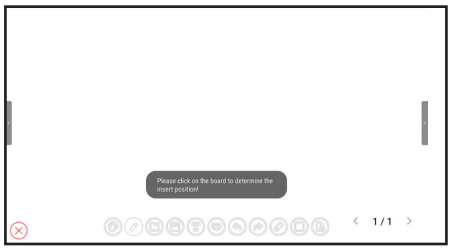
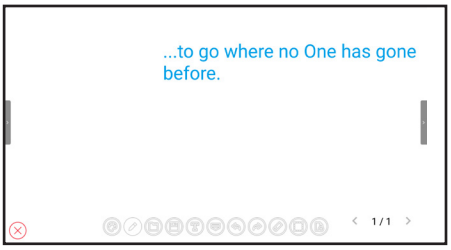
This chart describes how to do some basic functions on Whiteboard.

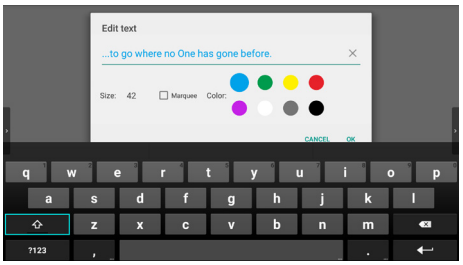
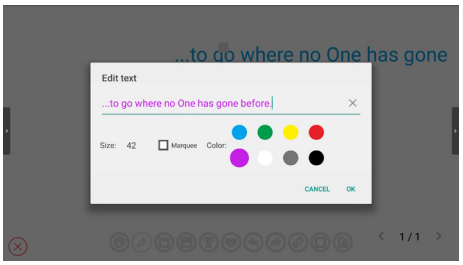
Type of Action	Do This...	Icon	Example/ Result
Draw with shapes	Each time you touch the screen when a shape is selected, that shape will be drawn in the location that you touched. **Tip:** Users can create many pictures quickly this way; for example: this picture is drawn with the circle shape.		
Fill in a hollow shape	Tap inside the shape. This eye has been filled in with a tap.		
Duplicate and adjust a piece of a drawing for symmetry	To copy: The select tool lets you select a piece of your drawing to copy, delete, move, or rotate. 1. Tap the tool. 2. Draw a box around your selection. 3. Tap the multiple pages icon to copy, top right of selection. **Tip:** Tapping the garbage can icon, top left of selection, deletes the selected area.		
	To paste and adjust: 1. Tap the location on your drawing that you want to paste your selection. 2. Tap, hold, and swipe to move and perfect the location. 3. Remove your hand when you have the selection positioned correctly. **Tip:** Rotate the selection, while holding.		
Undo something that you just drew	Tap the Back Arrow.		The Back Arrow tool will undo the most the last action each time you tap it. It steps backwards through your actions.

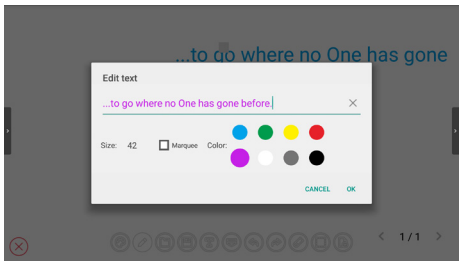
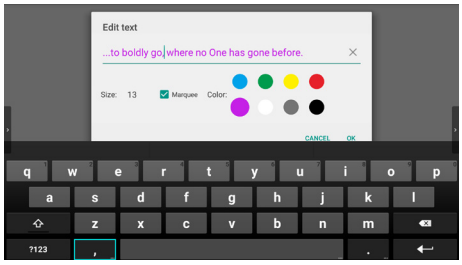
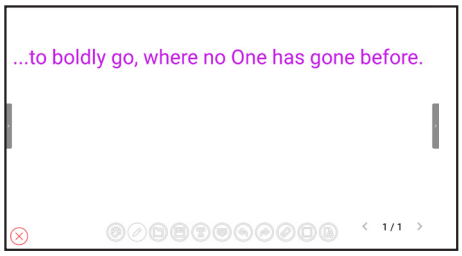
Type of Action	Do This...	Icon	Example/ Result
Redo and Undo action	Tap the Front Arrow.		After you have used the Back Arrow, the Front Arrow steps you forward through your actions. It undoes the "undo" actions.
Delete a piece of a drawing.	There are several ways to do this. Use the Select Tool: 1. Tap the Select Tool. 2. Draw a box around your selection. 3. Tap the garbage can icon, top left of selection, deletes the selected area.		The face, but not the hair, has been selected for deletion.
	Use the Back Arrow Tool, see above.		
	Use the Erase Tool, see below.		
Erase	Tap the Erase tool and use 3 fingers to brush over the section of the screen that you wish to erase		The portion of the screen touched by your fingers erases.
Change the size of your image	Zoom, make an object bigger: 1. Tap the object on your screen with two fingers together. 2. Slowly spread your fingers apart.		
	Reduce the size of an object: 1. Tap the object on your screen to select it. 2. Use another finger on the other side of the object; bring your fingers together slowly.		
Keep your drawing, but get a fresh screen	Tap the New Page Icon.		A blank page 2 appears.

Using Whiteboard Text Tools

Whiteboard allows Users to type in text and display it on the board. It is like any other object then; you can edit, move and delete it.

Action	Step	Do This...	Icon	Result
Display Text	1	Tap the Text Tool.		This screen displays. 
	2	Tap in the Content line.		This keyboard displays. . 
	3	Type your desired text into the keyboard and press **OK**.		The Display asks you where you want the text. 
	4	Tap on the board in the location that you want the text to start.		Your text displays. . 

Action	Step	Do This...	Icon	Result
Edit Text: • Color • Size • Content	1	Tap the text.		The Edit Text pop-up appears. . 
	2	Color: Tap the color that you want.		The text changes in color, size, and content. 
		Size: Tap the displayed text point size, then change it to your desired size.		
		Content: Tap in the text, where you would like to edit, then type in changes.		
	3	When text is accurate and as you wish it to display, press **OK**.		The text displays as you have indicated.

Action	Step	Do This...	Icon	Result
Display Text as a Moving Marquee	1	From a Whiteboard screen, tap the text.		The Edit Text pop-up appears. . 
	2	Tap the Marque box to put a check in it.		The text displays as you have indicated. . 
	3	Adjust the text as you wish, press **OK**. **Tip:** Remember text will display as a horizontal moving marquee in the vertical location you have specified. **Note:** To edit text content, color, size, see above.		The text displays as you have indicated. 

Selecting, Copying, Pasting, Deleting, or Moving a Whiteboard Object

Use the Selection Tool to adjust your drawn object or text.

Action	Step	Do This...	Icon	Result and Example
Copy	1	Tap the Select Tool.		
	2	Draw a box around your selection.		The selected area dims. . **Note:** The face is selected, above.
	3	Tap the Copy Icon, on the top right of selection to copy.		Your selection is saved to the clip board and can be placed anywhere on the screen.
Paste	1	Copy an object, see above.		
	2	Touch the screen where you want the object to be pasted.		Object appears in the location you selected. . **Tip:** You can rotate, move, fill, and adjust shapes. See "Drawing and Adjusting Whiteboard Shapes" on page 12, and "Drawing Freehand and Erasing on Whiteboard" on page 13.
Delete	1	Tap the Select Tool.		The Select tool highlights.
	2	Draw a box around your selection.		The selected area dims.
	3	Tap the Trash-can Icon to copy, top left the of selection.		Your selection is deleted. **Note:** To reverse this, use the Back Arrow.
Move	1	Tap and hold the object, or use the selection tool to select it.		Object is selected.
	2	Slowly move the object to it's new location.		Object moves.
	3	Release the object by taking your hand away from the screen.		Object stays in it's new location.

Creating a New Whiteboard Page

To create a new page on Whiteboard, simply tap the New Page Icon: It's on the bottom of Whiteboard screen, in the Tools Bar.

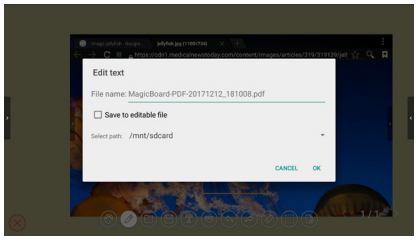
Saving a Drawing From Whiteboard To Thumb Drive

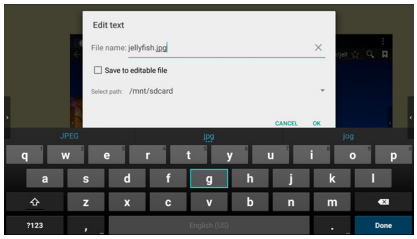
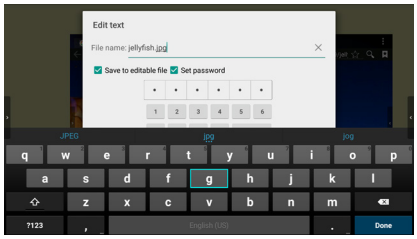
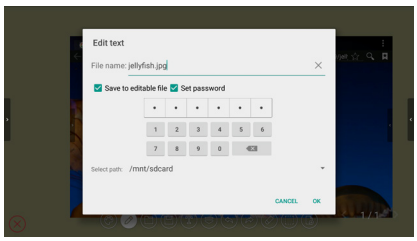
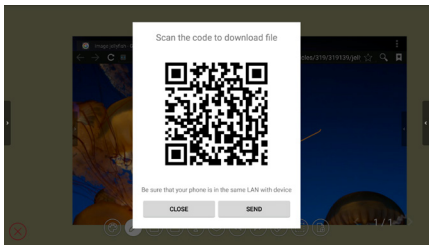
You can save a screenshot of your drawing and background by using the remote; follow these steps:

Step	Do This...	Icon	Result
1	Display the image that you want to save on the Display screen.		
2	Save to Hard Drive: Make sure there are no devices or USB thumb drives attached, then press the **Screenshot** button on the remote. **Note:** If a thumb drive is attached the screenshot will be saved to it, by default.	SCREENSHOT	A screenshot of the current Display screen is saved to the Display's hard drive inside a screenshot folder.
	Save to USB Thumb Drive: Attach a USB thumb drive to the front of the Display and make sure no other devices are attached; then press the **Screenshot** button on the remote.		A screenshot of the current Display screen is saved to the thumb drive.

Saving a Drawing From Whiteboard To a Specific Location

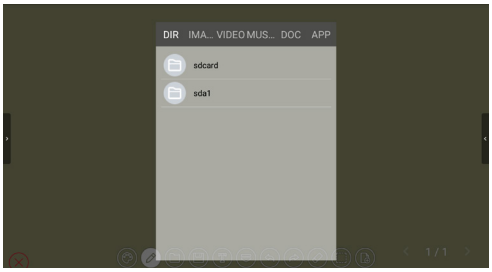
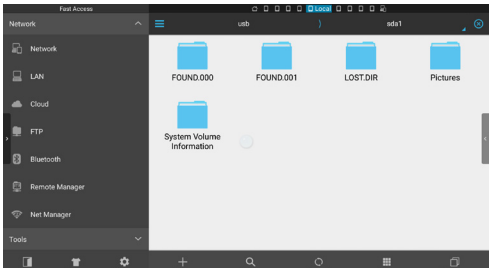
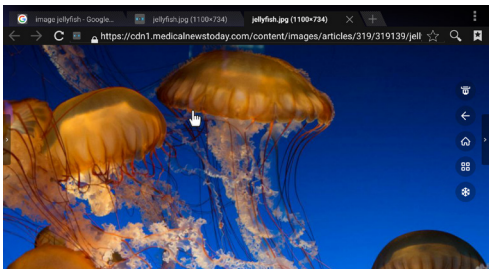
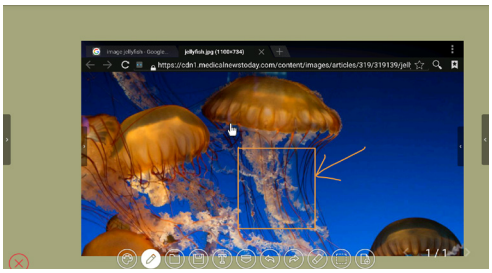
You can save a screenshot of your drawing by using the save icon on the bottom of Whiteboard; follow these steps:

Step	Do This...	Icon	Result
1	Display the image you want to save on the Display.		
2	Ensure no devices or USB thumb drives are attached. **Note:** If a thumb drive is attached the screenshot will be saved to it, by default.		
3	Press the **Save** icon on the bottom of the screen.		The Edit text pop-up screen displays. 

4	**Note:** Tap on the File name line, and enter your chosen file name.		The file name changes to what-ever you specify. 
5	If you wish to save the image to an edit-able file for future use, then tap the box next to "Save to edit-able file," and set the password.		The keyboard appears so you can enter information. 
6	Scroll down to reveal "Select path."		The Select path information displays.  **Note:** This screen gives you the opportunity to designate a location for your file.
7	Enter the path information to store your file, then tap **OK** on the Edit text pop-up or **Done** on the keyboard.		Your file is saved to the location you specified.  **Note:** You may be offered a QR code to scan, send, and save to your phone or other device, as well.

Changing the Background On Whiteboard To An Image

From Whiteboard, follow these steps:

Step	Do This...	Icon	Result
1	Tap the **File** icon.		The Display gives you a choice of location, from which to navigate to the background Image you desire: the Display hard drive (sdcard), and any other connected devices. 
2	Tap the location from which you wish to choose a background image, then navigate to the image.		The Display shows folders and files; you may have to look in folders labeled Pictures, Screenshots, etc. 
3	Tap the image you desire for a background.		The image displays on Whiteboard.  **Note:** You can draw on top of the image and use all Whiteboard tools. 

WORKING WITH THE ANNOTATION FUNCTION

Defining Annotation

Annotation is drawing on any background; it is an overlay in front of a picture or screen. Annotation Mode is meant to be a temporary drawing over a more permanent background. When you switch tools in Annotation mode, your drawing disappears. You can cut out or highlight a portion of your drawing, save it for use later, or throw it away.

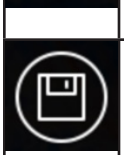
Choosing the Annotation Function

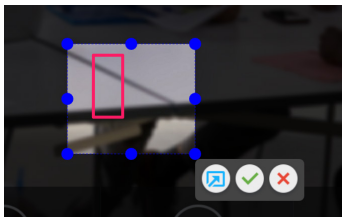
To choose the Annotation function, follow these steps:

Step	Do This...	Tap	Result
1	From any screen, tap the arrow at either side of the Display screen.		The Total Touch Control Menu displays.
2	Tap the Advanced Functions Menu icon.		The Advanced Functions Menu displays.
3	Tap the Annotation icon. **Note:** One tool at a time can be selected; a selected tool displays with white background.		The Annotation tools appear at the bottom of the screen.

Understanding the Annotation Tools

These tools display when you choose the Annotation Feature from the Total Touch Control Menu, on either side of the Display. It overlays a clear writing surface on the background (file or image) of your choice. This table explains what each tool does.

Icon	Label	This Selection Does This...	
	Home	Removes annotation and leaves the User with a clean background.	
	Back Arrow	Switches out of Annotation mode.	
	Touch Switch (App. Mode)	Switches "Touch" off the annotation layer and gives "Touch" to the background image. **Note:** When you do this, all annotation markings will be cleared.	
	Pen Mode	Allows User to draw on the displayed image. This annotation is temporary; it will be lost when you choose another tool. **Note:** Your annotation does not change the original image.	
	Open File	Allows User to display a file or image from a source of your choice.	
	Exit Annotation	Clears and deletes all Annotations. Ends Annotation mode. **Note:** This arrow switches to an up arrow to re-display the annotation tools, when desired.	
	Save	Saves the image on the screen to the Display hard drive or a connected device.	User can download the saved image using the QR code if their mobile device is on the same network as the panel.
	Clear Annotations	Deletes annotation.	

<table>
<tr>
<td></td>
<td>Screen Clip</td>
<td>Cuts out a section of screen and displays the clip in the white board.
<table>
<tr><th>Step</th><th>Action</th><th>Result</th><th>Example</th></tr>
<tr><td>1</td><td>Tap scissors</td><td>Screen dims</td><td rowspan="5">  </td></tr>
<tr><td>2</td><td>Draw a box around your subject</td><td>Subject highlights</td></tr>
<tr><td rowspan="3">3</td><td>Choose one of the following:</td><td></td></tr>
<tr><td>• White box with blue icon</td><td>Displays file in Whiteboard</td></tr>
<tr><td>• Green check</td><td>Saves file</td></tr>
<tr><td></td><td>• Red X</td><td>Exits Cut</td></tr>
</table>
</td>
</tr>
<tr>
<td></td>
<td>Spot Light (Selective Reveal)</td>
<td>Selectively reveals the under lying content. The User is able to reform the highlighted area.
Note: The non-highlighted area dims.</td>
<td>
</td>
</tr>
<tr>
<td></td>
<td>Jump to Whiteboard</td>
<td colspan="2">Displays Whiteboard in it's last configuration; this icon is a shortcut.</td>
</tr>
</table>

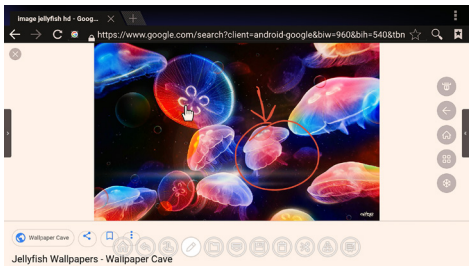
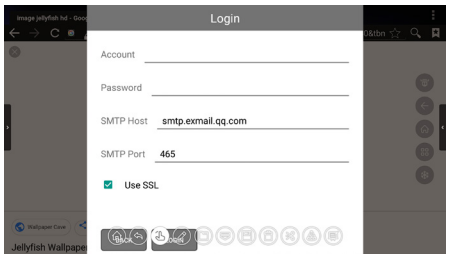
Using Fingers to Annotate

To annotate clearly use one finger. Keep other objects, including writing utensils, other fingers, and knuckles away from the drawing surface to draw your image cleanly.

Use This Number of Fingers	To Do This Function...
1	Draw/ Select
2-10	Erase Tip: Separate your fingers, so the Display can detect that you have two or more fingers, placed on the Screen.

Note: The zoom feature is not available in Annotation mode.

Saving Annotated Files

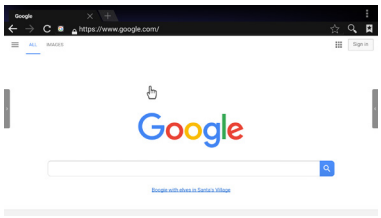
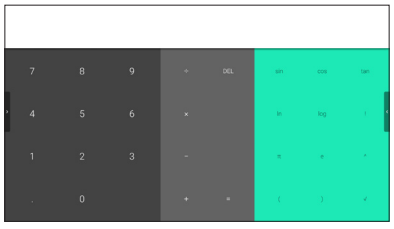
Step	Action	Icon	Result
1	Display the file you want to save, then press the save icon at the bottom of the screen. 		The file saves to the Display hard drive, if there is no USB thumb drive attached. The QR Code Displays. **Note:** If there is a thumb drive attached to the USB Media Port, then the file will be saved to the Thumb Drive instead.
2	Optional: Scan the QR code with your device, tap **CLOSE** or **SEND.**		If you choose Send, then this screen displays, which allows you to enter information. 
3	Optional: Fill out the form and press **LOGIN**.		

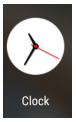
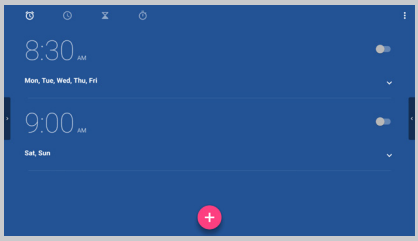
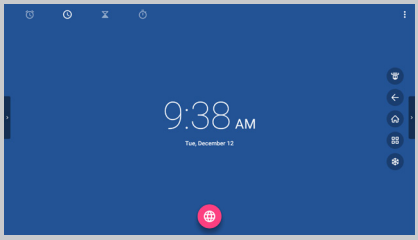
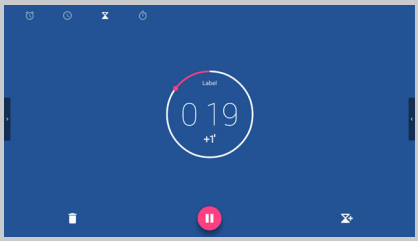
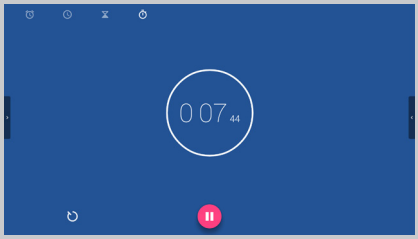
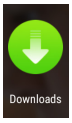
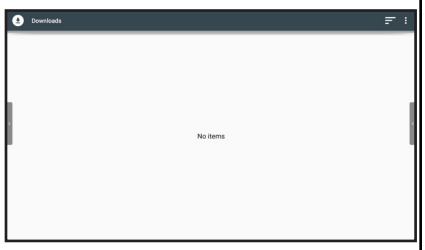
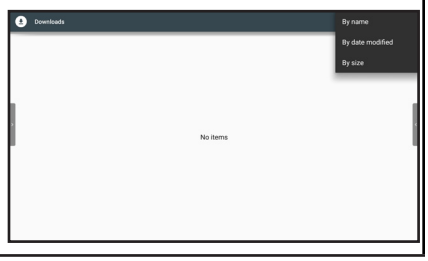
WORKING WITH APPLICATIONS

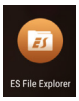
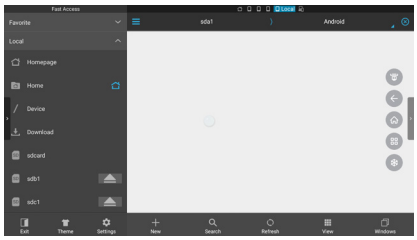
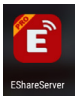
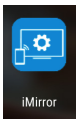
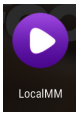
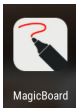
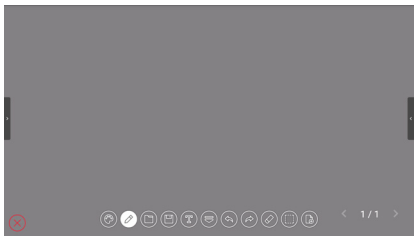
Factory Loaded Applications

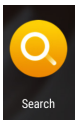
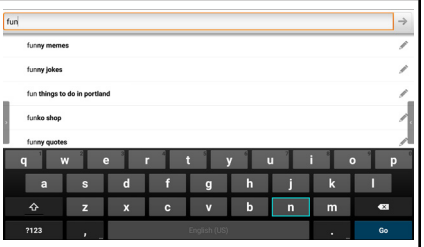
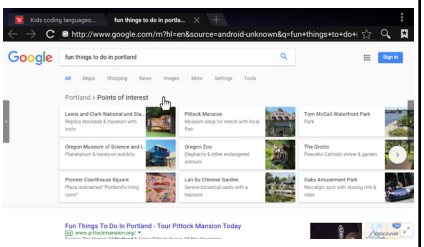
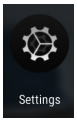
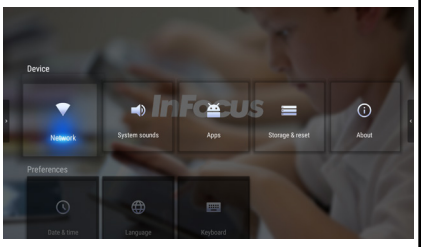
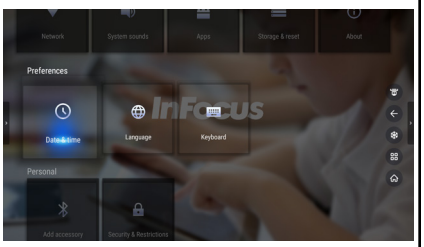
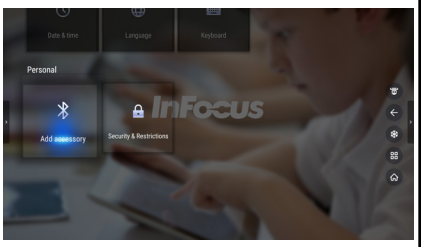
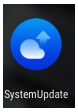
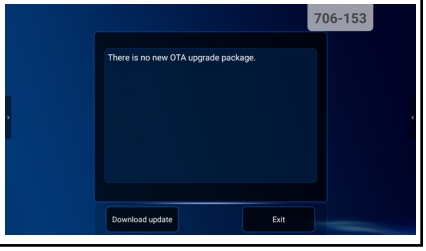
The below Applications come loaded on the Display. In addition to these, Users may load any applications that they want. To do this, tap **ES File Explorer** Application; see the table: "Understanding File Manager Options" on page 43, under "Apps."

Understanding Standard Application Functions

Icon	Application Name	Application Function	Screen Display
	Browser	Connects to the default browser, Google, or to the browser you have selected. **Note:** To change the default browser, access the Settings choice from the Total Touch Control Menu (TTC) ™ on the side of the panel. For more details, refer to the InFocus Hardware Guide for your model number.	
	Calculator	This application is a standard calculator with trigonometry functions. The result of your calculations displays in the upper right corner of the screen.	

Icon	Application Name	Application Function	Screen Display
	Clock	There are four selections under the Clock application:	
		Alarm: Sets an alarm.	
		Time & Date: Displays time and date information.	
		Hour Glass: Runs a set time, then busses, like an alarm.	
		Stop Watch: Works like an analog stop watch; it runs time until you pause it.	
	Downloads	Displays the downloaded files and gives you options on how to sort: by file size, date saved, or file name. **Tip:** Tap the three dots in the upper right corner to display sorting options. **Note:** No files are loaded from the factory. Your downloads from any source appear here.	 

Icon	Application Name	Application Function	Screen Display
	ES File Explorer	Allows Users to search for files, display files located on the Display's hard drive, and save files to any attached device. **Note:** The Displays hard drive is identified as **sdcard**. If USB thumb drives are attached they are labeled sequentially: sdb1, sdc1, sdd1, etc. Press Exit to Leave ES File Explorer. **Note:** See "Understanding File Manager Options" on page 43.	
	EShareServer	Allows Users to connect a device to the display wirelessly. **Note:** See "Connecting To Display With Any Device Using EShare" on page 30.	
	iMirror	Mirrors the Display's screen to a connected device, and TV mirrors a connected device's screen to the Display. **Note:** The iMirror App is for Apple devices (iphones, Apple Tablets, etc.). See "Casting Using iMirror (AirPlay) for Apple Devices" on page 35.	
	Local MM	Displays Local organized storage. Allows you Users to: • Store files, pictures, music, videos in the appropriate folders • Access storage of attached devices **Note:** The display's hard drive storage folders and sub folders are all empty as shipped from the factory.	
	Magic Board	This is Whiteboard feature; it allows you to draw, zoom, shrink, erase, rotate, and move objects. **Note:** See "Working with Whiteboard" on page 7. When this feature is accessed through File Manager, Whiteboard tools are not available.	

Icon	Application Name	Application Function	Screen Display
	Search	Displays a keyboard, so you may enter anything for the browser to search. This performs the same function as typing a search parameter into the standard Goggle Search Box.	 
	Settings	Accesses Android Settings, which let Users adjust the picture, sound, and other settings, for personalizing the Display. **Network:** Configures wireless and wired network connections and settings **System Sound:** Configures whether to use system sounds or not **Apps:** Manages and configure installed and system applications as well as managing actively running Apps **Storage and Reset:** Provides information on current storage usage and options to reset all data **About:** Provides system information **Date & time:** Adjusts current date and time settings **Language:** Change the system language **Keyboard:** Selects and configures the On Screen keyboard layout and personal dictionary **Add Accessory:** Configures Bluetooth devices **Security & Restrictions:** Configures system level security settings **Note:** A full description of the Settings functions is in the Hardware Guide for your Display model at www.InFocus.com.	  
	System Update	Allows you to update the operating system for the Display.	

CONNECTING TO DISPLAY WITH ANY DEVICE USING ESHARE

EShare is an application lets you connect to the Display through another device, such as a cell phone, tablet, etc.

Only one person can be connected to the Display at one time.

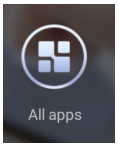
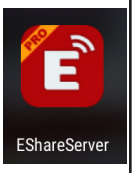
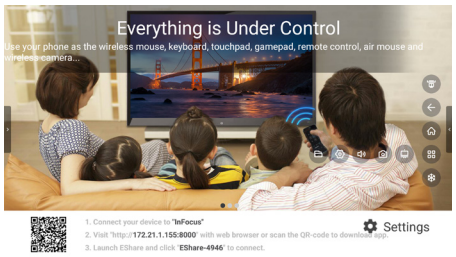
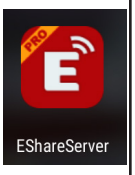
Before Connecting Using EShare

To connect directly to the Display with another device:

1. Make sure both your device and Display are connected to the same network
2. Make sure wifi is enabled on your device and the Display

Connecting Using EShare Codes

To connect a device to the Display using codes, follow these steps:

Step	Do This...	Icon	Result
1	Tap **All Apps** from the bottom of the Home Screen on the Display.		The Apps Menu Screen appears:
2	Tap **EShareServer** on the Display Apps Screen. **Note:** Use the information displayed on the bottom of the screen to ensure that your device is connected to the same network as the Display.		The EShareServer Screen appears: 
3	Download and open the appropriate EShare software for your device, if you don't already have it. **Note:** Each type of device (Android cell phone, iphone, Windows PC, etc.) has it's own version of this Eshare software. Google Playstore, itunes, etc. makes the appropriate software available. **Note:** You may be asked to give permission to download from un-trusted or unknown sources. You may have to change security settings on your device.		The EShare software downloads onto your device, and it does a search for WiFis in your area, then displays your choices.

Step	Do This...	Icon	Result
4	Choose the wifi that matches the information on the bottom of the EShare Screen. When your device displays a link, tap it to follow it.		Your device displays a screen with the following choices: • Remote: Turns your device into a remote control for the Display. • TV Mirroring: Casts the Display screen to your device. • Mirroring: Casts a device's screen and sound (for videos) to your Display. • Camera: Continuously casts the camera's image from your device to the Display. **Note:** Also, several other choices are available: Mouse, Touch, Keys, Volume on a sliding scale etc.

CASTING (MIRRORING)

Defining Casting (Mirroring)

Casting: Sending an image from one device to another and displaying it on the 2nd device's screen.

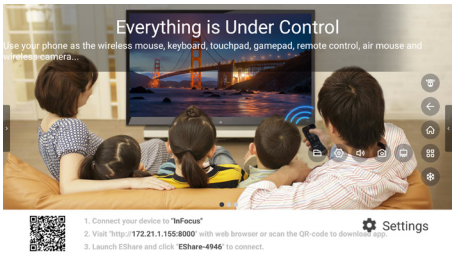
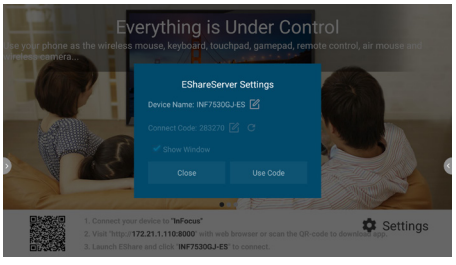
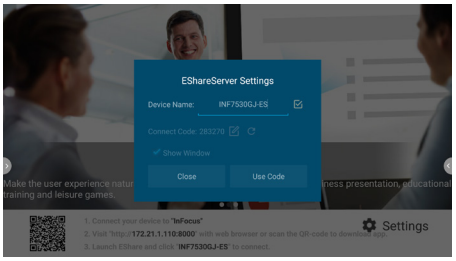
Mirroring: Mirroring means the screen of any connected device casts to the Display's screen.
For example, a presenter can cast her cell phone's screen or computer screen onto the Display.

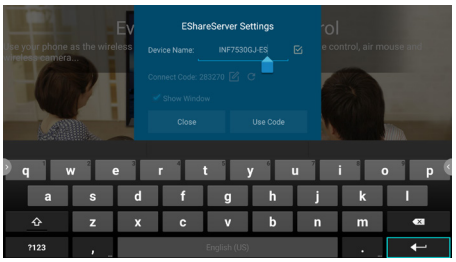
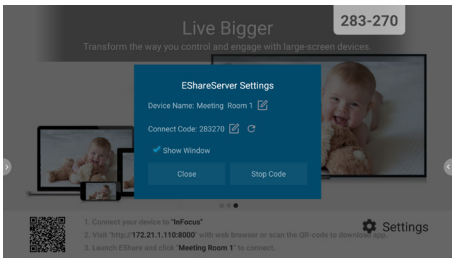
Changing the Display Name and Security Code in Eshare

EShare and iMirror (AirPlay) are applications, which allow the User to access functions, like casting. The User can change the pre-programed name of the Display from within EShare. EShare allows access to both Display name and security code.

Changing the Display Name

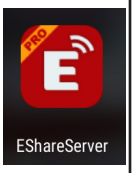
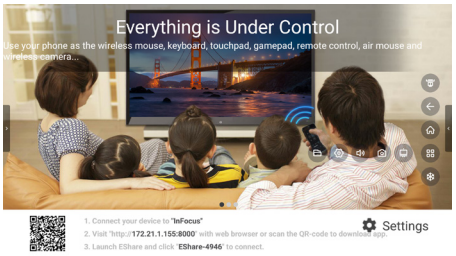
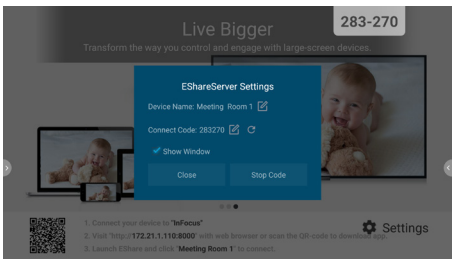
To change the name of the Display, from the App screen, follow these steps:

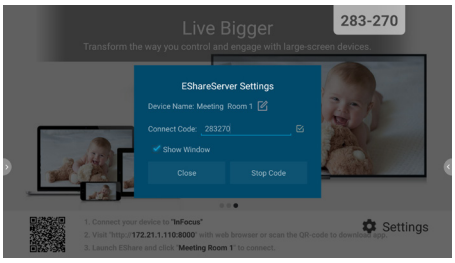
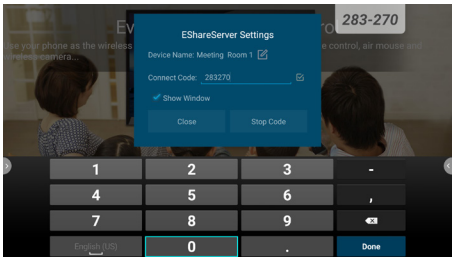
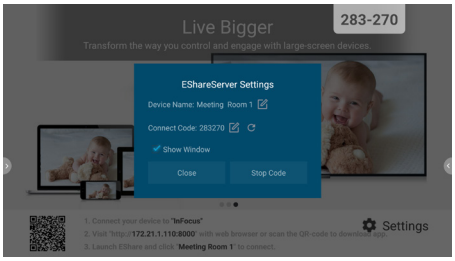
Do This...	Icon	Icon	Result
1	Tap **EShareServer** on the Display Apps Screen. **Note:** Use the information displayed on the bottom of the screen to ensure that your device is connected to the same network as the Display.	EShareServer	The EShareServer Screen appears: 
2	Tap **Settings** on the lower right of the Screen.	Settings	The EShare Setting Screen appears. 
3	Tap **Edit** icon, next to "Device Name."		The Device text field highlights. 

Do This...	Icon	Icon	Result
4	Tap any-where on the Devise Name text field line.		A keyboard appears. 
5	Type the new name of your Display into the keyboard and press the **Save** icon. **Tip:** Change the name to something specific to your needs or company needs for the Panel, such as naming the Display after the room or function it serves; for example: "Class Room 34 B Panel" or "Video Conference Display."		The selected Display name displays. 
6	Tap **Close**.		Your new Display name is changed in the system.

Changing the Security Code in the System

To change the security code, from the App screen, follow these steps:

Do This...	Icon	Icon	Result
1	Tap **EShareServer** on the Display Apps Screen. **Note:** Use the information displayed on the bottom of the screen to ensure that your device is connected to the same network as the Display.		The EShareServer Screen appears: 
2	Tap **Settings** on the lower right of the Screen.		The EShare Setting Screen appears. 

Do This...	Icon	Icon	Result
3	Tap **Edit** icon, next to "Connect Code."		The Connect Code text field highlights. 
4	Tap any-where on the "Connect Code" text field line.		A keyboard appears. 
5	Type the new Security Code for your Display into the keyboard and press the **Save** icon. **Tip:** Make sure this code is easily memorable for all those, who may have to use it.		The Security Code changes and displays.  **Note:** The "Stop Code" Button toggles the security code display, in upper right of the screen **On** or **Off.**
6	Tap **Close**.		Your new Security Code is changed in the system.

Casting Using iMirror (AirPlay) for Apple Devices

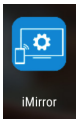
Before Using iMirror

Make sure:

1. Both the Display and the device you are using to mirror or TV mirror are connected to the same network.
2. WiFi is turned ON for both your device and for the Display.

Mirroring Using iMirror

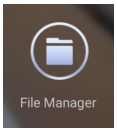
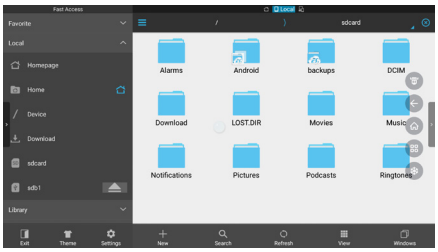
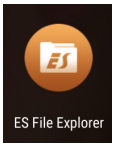
To mirror your device's screen to the Display, follow theses steps:

Step	Do This...	Icon	Result
1	Tap **iMirror** from the Apps Menu Screen on the Display.		
2	Tap Mirroring on your device.		Your device's screen is mirrored onto the Display screen.

WORKING WITH FILE MANAGER

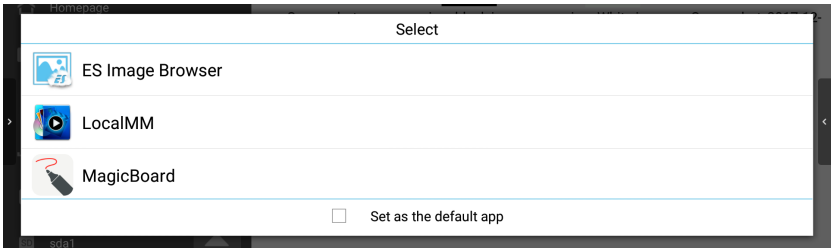
Displaying a File or Image

To display a file, located on the Display's hard drive or on a connected device, follow these steps:

Step	Action	Icon	Result
1	From the Home, tap the **File Manager** icon. 		The Files Menu Screen appears: 
	From the Apps Menu Screen, tap the **ES File Explorer** icon. 		**Note:** All attached devices, including PCs, tablets, USB thumb drives, appear on the list at the left of the screen. **Note:** "sdcard" is the Display's Hard Drive. By default, all of the Display's Hard Drive folders appear as blue files in the white box in the center/right of the screen.
2	Navigate to the device you wish to access, or use the Display hard drive to find your file, then tap to open it. **Note:** When the Display is new from factory, no files, just empty folders, are loaded on it's hard drive.		Your file displays.

Understanding the Select Menu

The Select Menu displays when a user taps, but doesn't hold, a selected file in the File Manager. This menu gives you options. Use Local MM to simply display a file.

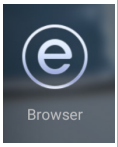
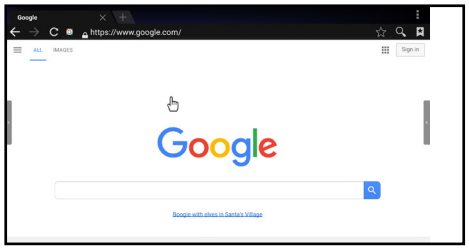
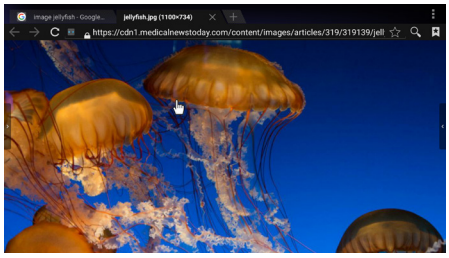
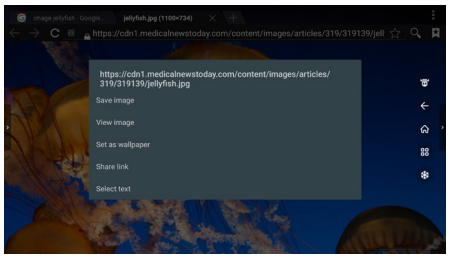


Icon	Name	Result
	ES Image Browser	Allows you to browse images forward and backward from the one you have selected.
	Local MM	Displays the file on the screen **Note:** One can annotate on this file, if the user activates Annotation.
	MagicBoard	Displays the file, but the only available function is "rotate." **Note:** To use Whiteboard, see "Working with Whiteboard" on page 7.

Saving a File To the Display Hard Drive

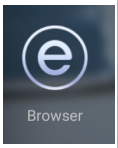
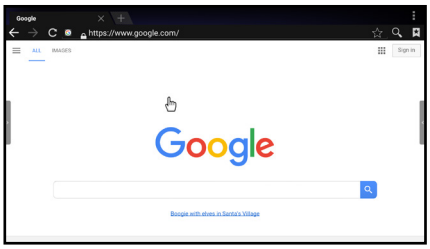
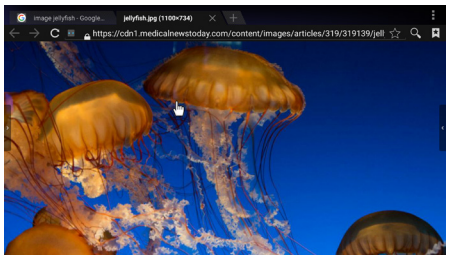
Saving a File From the Internet Using Touch Control

To Save a file from the internet using touch control, follow these steps:

Step	Action	Icon	Result
1	From the Home, tap the **Browser** icon. 		The default or selected browser appears. 
2	Tap in the text box, then type your search parameters into the keyboard and press **Enter.**		The browser renders the typical choices.
3	Check the Display ports to ensure that no thumb drives or devices are connected to the front or back of the Display. **Note:** This eliminates any confusion regarding where the image will be stored.		
4	Navigate to a picture you want, then press and hold it. 		A pop-up menu displays. 
5	Tap on **Save Image**.		Your selected file or image is saved to the Display's hard drive in a screenshots or pictures folder.

Saving a File From the Internet Using the Remote

To Save a file from the internet using the remote, follow these steps:

Step	Action	Icon	Result
1	From the Home, tap the **Browser** icon. 		The default or selected browser appears. 
2	Tap in the text box, then type your search parameters into the keyboard and press **Enter.**		The browser renders the typical choices.
3	Check the Display ports to ensure that no thumb drives or devices are connected to the front or back of the Display. **Note:** This eliminates any confusion regarding where the image will be stored.		
4	Navigate to a picture you want, then press Screenshot on the remote. 		Your selected file or image is saved to the Display's hard drive in a Pictures folder.

Saving a File From a PC or Tablet

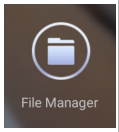
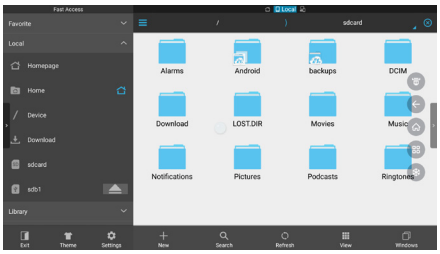
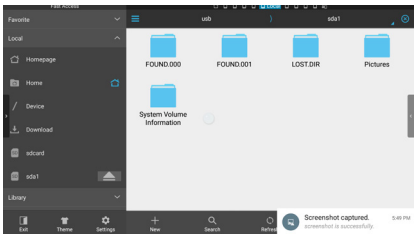
To save a file or image from a Tablet, PC, or OPS PC (in the Display's Bay, on the back of the panel), the User will have to:

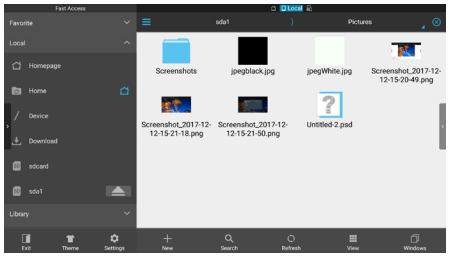
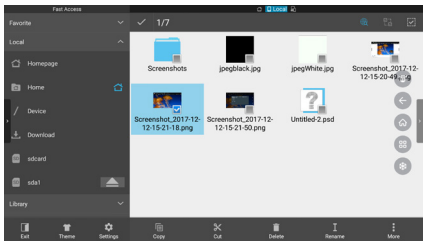
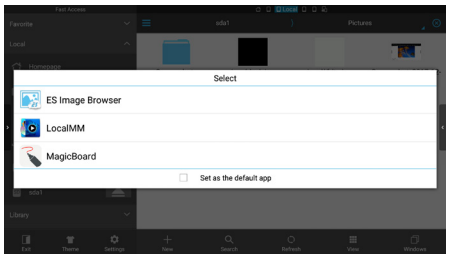
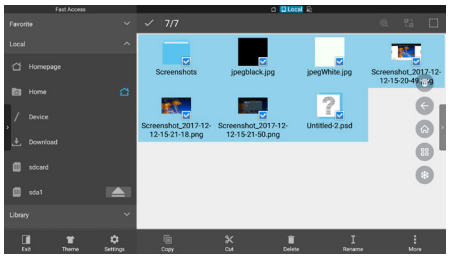
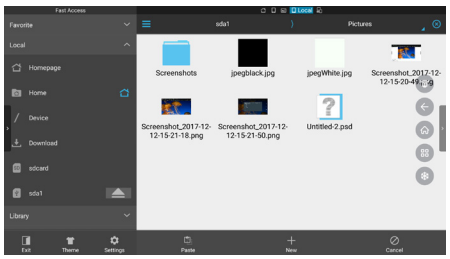
1. Save the file to a Thumb drive. See "Saving Files (Images) to a Thumb Drive" on page 42.
2. Transfer it to the Display's hard drive. See "Saving a File To the Display Hard Drive" on page 38.

Note: There is no way to directly save a file from a PC or Tablet.

Saving a File From a Thumb Drive To The Display's Hard Drive

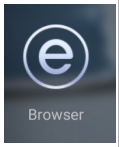
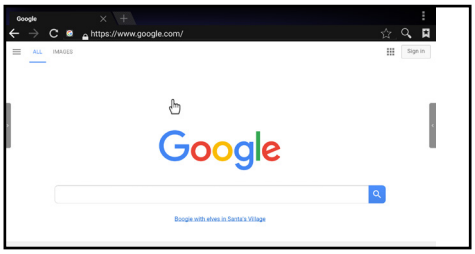
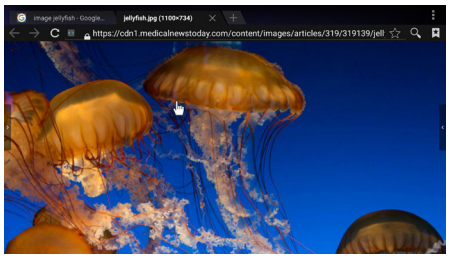
To save a file or image from a USB thumb drive, first display the file or image, then save it to the Display's hard drive; to do this, follow these steps:

Step	Action	Icon	Result
1	Insert a USB thumb drive into the **USB Media Port** on the lower, left, front of the Display.		The Display chimes to recognize the device, and it shows up on the list of devices on the left of the File Manager screen. **Note:** If only one thumb drive is connected, it will be designated as "sda1."
2	From the Home, tap the **File Manager** icon. 		The folders that reside on the Display's hard drive appear.  **Note:** The Display's hard drive is indicated as "sdcard." It is displayed as "Home."
3	Tap **sda1** on the list at the lower left of the screen, to view the files on the thumb drive,		The files on the thumb drive appear. 

Step	Action	Icon	Result
4	Navigate to a file or image that you want, then tap and hold it.  **Note:** If the Select Menu appears, you taped but failed to hold; back out of this menu with the back arrow from the Total Touch Control Menu, that you can display by taping either arrow, at the side of the display screen.		The image highlights and a check appears in the box.  **Note:** If the Select Menu screen displays, back out. 
5	Optional: Tap the check-mark in the upper right corner of the screen to **Select All.**		All files are selected. 
6	Tap **Copy** on the bottom of the screen.		The selected files are copied, and "Paste" appears in the place "Copy" previously occupied. 
7	Tap **Paste**.		The selected files are copied to the Display hard drive.

Saving Files (Images) to a Thumb Drive

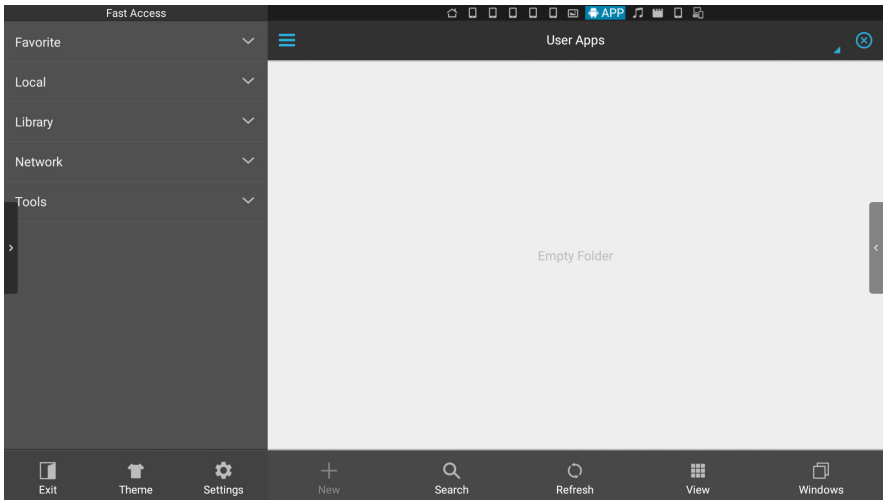
To save a file from the internet to a thumb drive using the remote, follow these steps:

Step	Action	Icon	Result
1	From the Home, tap the **Browser** icon. 		The default or selected browser appears. 
2	Tap in the text box, then type your search parameters into the keyboard and press **Enter.**		The browser renders the typical choices.
3	Attach a thumb drive to the **USB Media** Port, front, left, bottom of the panel. **Note:** The USB Media Port the default location for saving files.		
4	Navigate to a picture you want, then press Screenshot on the remote. 		Your selected file or image is saved to the connected USB thumb drive.

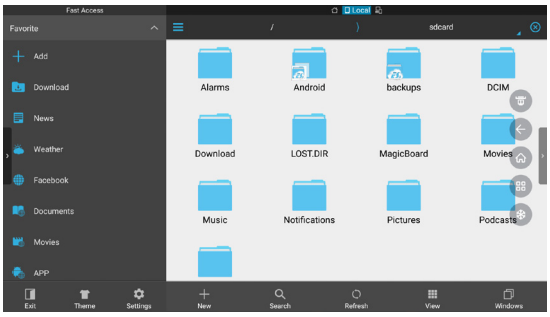
Note: For directions on how to save files from Whiteboard, please see "Saving a Drawing From Whiteboard To Thumb Drive" on page 19.

Understanding File Manager Options

The highest level screen in File Manager displays the categories of sub-screens. These screens give Users access to storage and information. Main categories include: Favorites (quick access), Local (Display storage and connected device access), Library (organized access), Network (access to available networks), Tools (access to administrative tools).

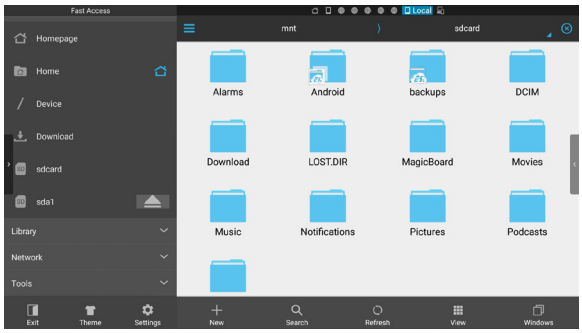
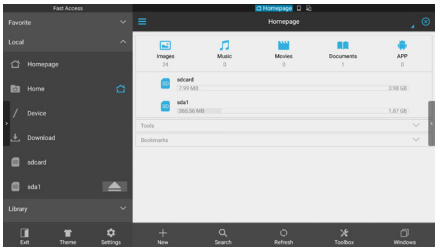
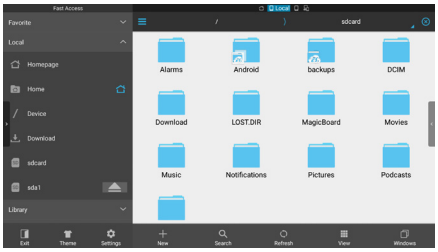
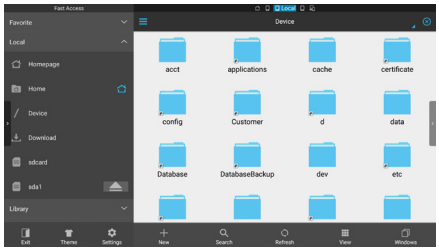
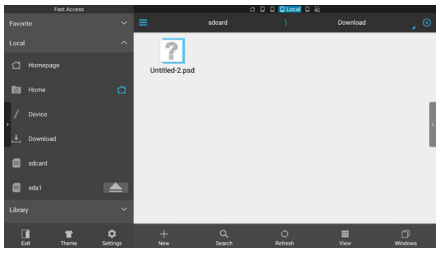
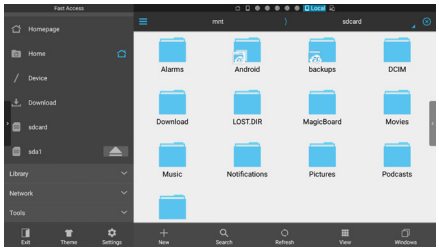


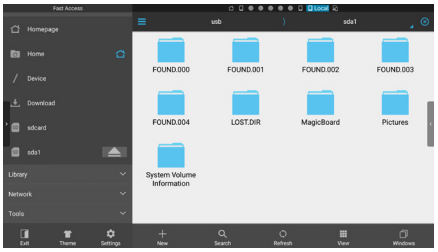
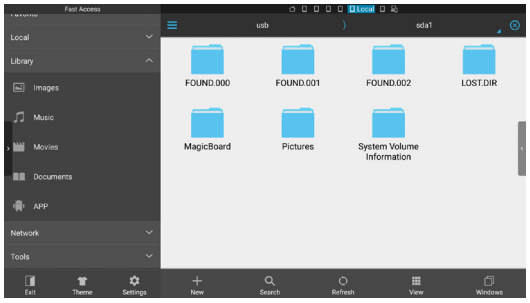
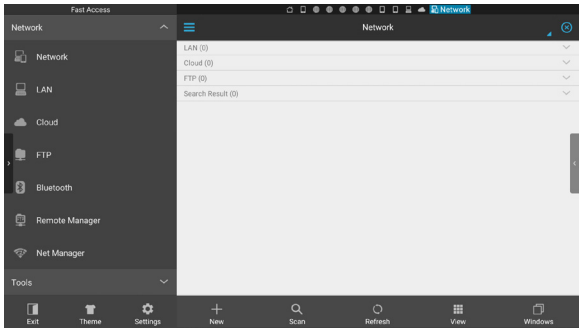
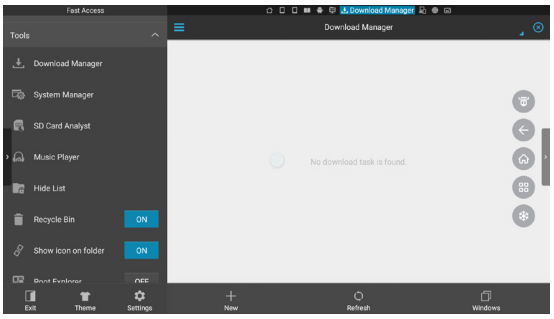
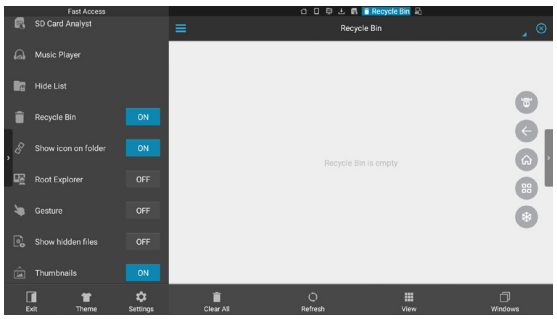
Function	Description	Screen
Favorites		



Favorites are predefined, see above pictures; however, the User can modify them to meet User's needs.

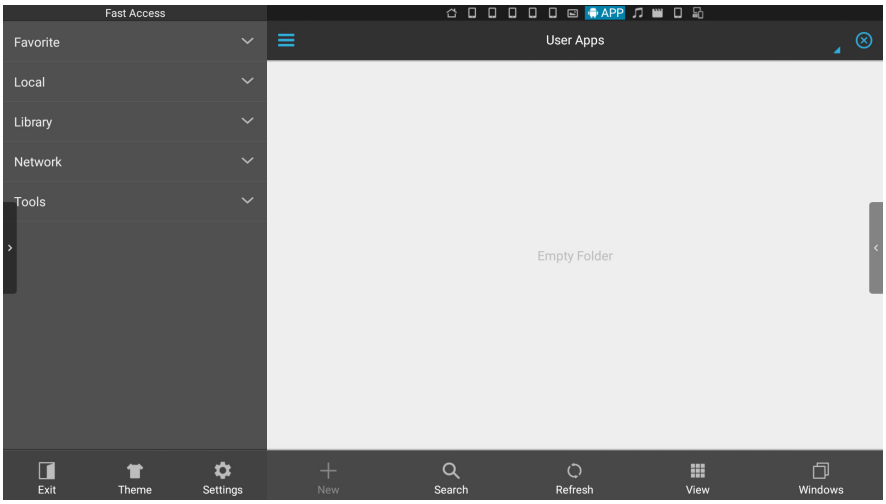
Note: To modify or remove a favorite, tab and long hold on existing favorite. To add a favorite, use the **+ Add** bar, top left of Favorites List, above.

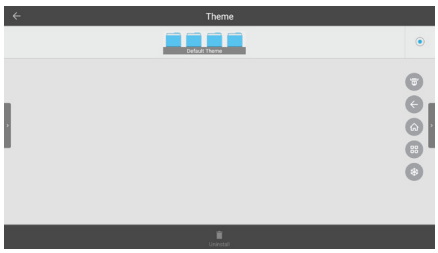
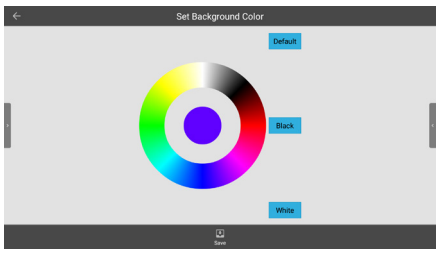
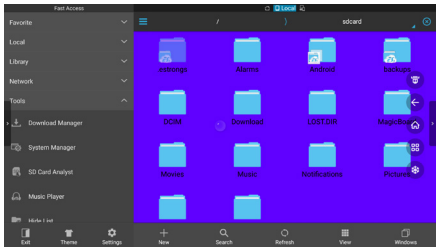
Function	Description	Screen
Local		
		
Home page	Displays information about used and available storage space and locations. Attached devices are listed on the left of the screen. **Note:** The Display hard drive is "sdcard."	
Home	The Home Screen is the default screen. It shows folders and files located on the Display hard drive. **Note:** Use this screen to locate and open files.	
Device	This is just the "device" folder on the internal drive for Android. There is rarely a situation that a User will need to used this. **Note:** The display order depends on where the devices are connected. The first one will be the default (front USB Media port). Other devices connects to other USB ports will display in numeric order.	
Download	The Download Screen lists the downloads stored on the Display hard drive. **Note:** When the Display is new from the factory, there are no downloads.	
sdcard	Shows the Display hard drive, so it looks like the Home Screen.	

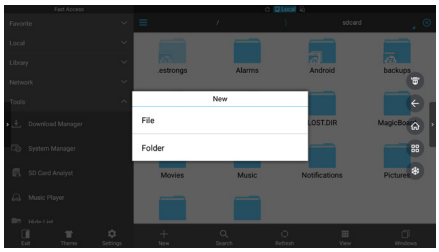
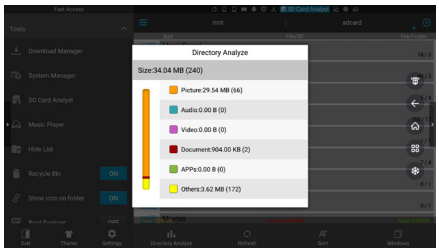
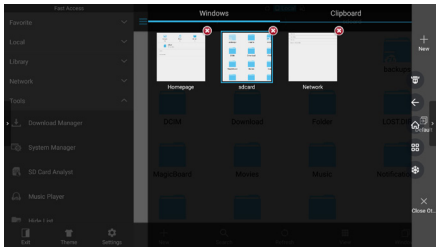
Function	Description	Screen
sda1	Shows the folders and files located on the first USB thumb drive. Note: the default USB ports is the USB Media port, on front of the panel, lower left corner.	
Library		
		
Network		
		
Tools		
		

Understanding File Manager Settings

The highest level screen in File Manager displays the categories of sub-screens. Basically, these screens give Users access to administrator tools, storage, and information.

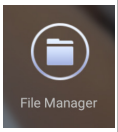
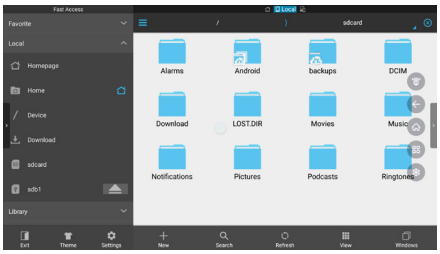
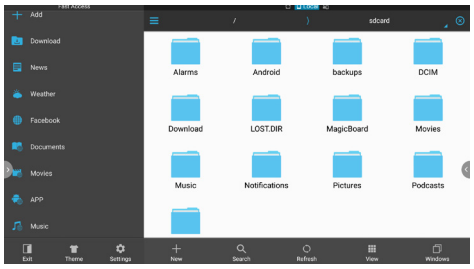
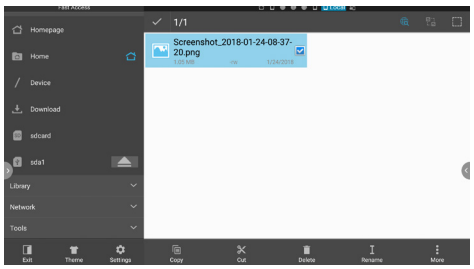
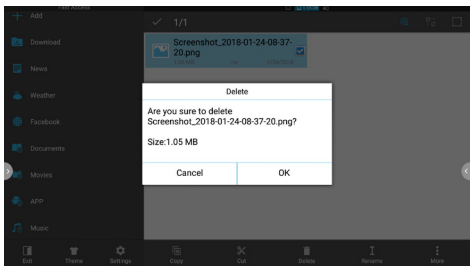


This Selection	Does This...	Screen
Exit	Takes User out of File Manager.	
Theme	Allows User to choose different theme: background color and image, text color, folder style, etc. It also allows for a reset to factory specifications for theme.	  
Settings	Allows User to adjust various file and security settings:	

This Selection	Does This...	Screen
New	Allows User to create a file and folder.	
Search	Allows User to search for a file.	
Directory Analysis	Shows contents of directory, and how the storage space is being used.	
Refresh	Refreshes the screen.	
View	Allows User to change the way information is displayed.	
Windows	Displays the File Manager Options all on one screen.	

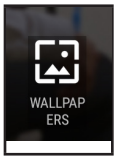
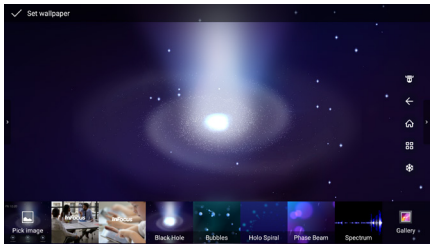
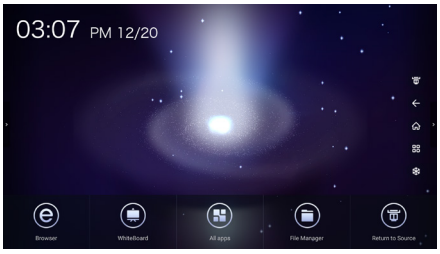
Deleting a File from the Display's Hard Drive

From the Local File Manager Setting Screen, follow these steps:

Step	Action	Icon	Result
1	From the Home Screen, tap the **File Manager** icon. 		One of the Fast Access screens appears.  **Note:** The Display's hard drive is indicated as "sdcard." It can also be displayed as "Home."
2	Tap **Home** or **SDCard** on the list on the left of the screen, to view the files on Display's Hard Drive,		The files on the Display's hard drive appear. 
3	Navigate to the file you wish to delete, then tap and hold to select it. **Note:** The file may be inside sub-folders. Tap on each folder to open it; use the back arrow from the Total Touch Control Menu, on the side of the screen, to return to the previous screen.		The file you have selected turns blue. 
4	Press **Delete** at the bottom of the screen.		A pop up menu appears, asking for confirmation of the deletion. 
5	Press **OK**.		The selected file is deleted.

CHANGING THE WALLPAPER

To change the Background or Wallpaper of the Home Screen, follow these steps:

Step	Action	Icon	Result
6	From the Home Screen, press and hold on the background, for about 3 seconds. 		The screen dims, and the wallpaper icon displays.
7	Tap the Wallpaper icon.		You will be offered choices of wallpaper, background screens. 
8	Tap your choice.		Your choice selects.
9	Tap **Set wallpaper**.		The new wallpaper is selected for the background of your Home Screen. 

TROUBLESHOOTING

If This Happens...	Try This...
Display is plugged in and the front power button will not turn on the Display.	• On the back of the Display there is another power switch, that looks like a light switch (lower left, as you are facing the back of the Display). It faces to the side of the Display. Turn it **ON**.
No power	• Verify the power cord is properly connected to the power outlet and to the display. • Verify the power switch is ON and that the Power button on the remote or keypad has been turned on (the front LED should be green). • Plug another electrical device to the power outlet to verify that the outlet is supplying the proper voltage.
The display shuts down suddenly	• Verify that a source is active. • The display may have overheated. Remove any objects blocking the vents.
No image	• If attempting to display an external source, see “No image from external source” below. • Verify that the display is turned on (the front LED should be green).
No image from external source	• Verify that connections between the source and the display have been made correctly. • Verify that the cables are in good condition. • Verify the correct input source is selected and that the input signal is compatible with the display.
Display says "No Source" Display is looking for a PC computer in it's bay. **Note:** You may not have purchased this optional PC.	• Connect the Display to a PC. Use the USB Media Port, lower left corner of the front of the Display. **Note:** See the section on this topic in the Hardware Guide for your model online at www.InFocus.com.
Display will not connect to another device.	• Check to make sure both the Display and the device are connected to the same network. • Check to make sure that wifi in enabled on the device and Display. **Note:** See "Connecting To Display With Any Device Using EShare" on page 30.
This screen displays, when you are trying to open a file: 	• Read step 2 under "Displaying a File or Image" on page 36.
The Display color, size, focus is not desirable.	• Adjust Display settings (from the Home, choose **Settings**). • Choose a different Theme; see "Understanding File Manager Settings" on page 46. **Note:** See the section on this topic in the Hardware Guide for your model online at www.InFocus.com.

If This Happens...	Try This...
Don't know where my files that I saved from screen shots were stored	You may have more than one device (thumb drive connected). • The Display will first save to the hard drive, if nothing is connected. • The Media USB Port on the front, lover left corner is the default USB port for saving. • Other USB Ports are located on the back of the Panel. Check the connected devices under the File Manager screens, under "Local." The sdcard is the Display hard drive. Other devices will be listed on the left of the screen. You may choose each device and see what files are loaded. **Note:** See"Understanding File Manager Options" on page 43.
Remote is not working	• Make sure the batteries are installed in the proper orientation and are not dead. • Verify the remote is turned on (the button is on the bottom of the remote). • Verify you are pointing the remote at the table and are within 26' (8m) and 30 degrees (horz/vert) of the sensor. • Verify that the IR Control setting in the Advanced Option OSD menu is set to Normal.
Audio noise	• Noise can occur when infrared communication equipment (for example, infrared cordless headphones) is used near the display. Move the infrared communication equipment away from the display to eliminate the noise.

For additional troubleshooting support, please contact:

InFocus Corporation - Technical Support

6 AM - 5 PM PST

877-388-8385

www.infocus.com/support

RESOURCES

Support and service information including Authorized Distributor and Authorized Service Provider locations is available at: www.infocus.com/support.

InFocus Corporation, 13190 SW 68th Parkway, Suite 200, Portland, OR 97223-8368 USA

© 2016 InFocus Corp. All rights reserved. InFocus and the InFocus logo are trademarks of InFocus Corp., registered in the U.S. and other countries.