



Graphiti Commands

Quick Reference Guide v1.0

1 Frequently Used Commands

To...	Do this on the Device Keypad
Enable/Disable Draw Mode	Space + Dot 1
Enable Local/Stand-alone Mode	Space + Dot 2
Enable Bluetooth Mode	Space + Dot 4
Enable Mass Storage Mode	Space + Dot 5
Enable HDMI Mode	Space + Dot 6
Enable/Disable message bar	Space + Dot 3
Enable HID Mode	Space + Dot 7
Enable VCP/Serial Mode	Space + Dot 8
Enter Preference Menu	Space + Dots 7 8
Exit Preference Menu	Dot 7
Enable/Disable Gesture Mode in any Mode (except Draw mode)	Space + Dots 1 2 4 5
Enable/Disable Gesture Mode in any Mode (except Draw mode)	Dot 8
Enable/Disable Review Mode in Draw Mode	Dot 6

2 PC Interface Mode

2.1 Menu Bar (Supported only in the PC GUI)

To...	Do this on PC Keyboard	Additional Information
Select menu bar	Alt	This command sets focus on the menu bar option "Device Display". The user can navigate through menu bar options using arrow keys.
Select menu bar option "Device Display"	Alt + 'D'	This command opens a list of items under the "Device Display" option. The user can navigate through the items using up and down arrow keys.

Home all pins	Alt + 'D' + 'H'	This command moves all pins in the downward direction and sets them to home position just below the touch panel surface.
Set all pins	Alt + 'D' + 'S'	This command sets all pins at height level 4
Reset all pins	Alt + 'D' + 'R'	This command resets all pins to height level 0
Select menu bar option "Image View"	Alt + 'V'	This command opens a list of items under "Image View" option. The user can navigate through the items using up and down arrow keys.
Show Pixelated View	Alt + 'V' + 'P'	This command shows the pixelated view of the processed image.
Show Smooth View	Alt + 'V' + 'S'	This command shows the smooth view of the processed image.
Select the menu bar option "Connect"	Alt + 'C'	This command opens a list of items under "Connect" option. The user can navigate through the items using up and down arrow keys.
Enable auto connect to device option	Alt + 'C' + 'A'	This command enables the option to automatically connect to the available device.
Enable the "select device" option	Alt + 'C' + 'S'	This command enables the option to select the device to be connected with GUI.
Disconnect the device	Alt + 'C' + 'D'	This command disconnects the GUI from the device.
Select menu bar option "Help"	Alt + 'H'	This command opens the list of items under "Help" option. The user can navigate through the items using up and down arrow keys.
Show device information	Alt + 'H' + 'D'	This command shows the device related information such as unit serial number, firmware version etc.
Show GUI information	Alt + 'H' + 'A'	This command shows the GUI related information.

2.2 Image File Explorer (Supported in all the Graphiti units)

To...	Do this			
	GUI Button	PC Keyboard	Device Keypad	Touch Panel

Browse images stored in the PC	Browse File	Ctrl + 'B'	Not Available	Not Available
Go to the previous image	Not Available	Up Arrow	Up Arrow	Down Swipe
Go to the next image	Not Available	Down Arrow	Down Arrow	UP Swipe
Remove the selected image from the list	Not Available	Delete key	Not Available	Not Available
Clear the file explorer list	Clear List	Ctrl + Shift + Delete	Not Available	Not Available
Move the selected image file to the desired upward position in the list	Move Up	Ctrl + 'U'	Not Available	Not Available
Move the selected image file to the desired downward position in the list	Move Down	Ctrl + 'D'	Not Available	Not Available
Save the selected image into the device	Save into Device	Ctrl + 'S'	Space + Dot 2 3 4 7	Not Available
Save the selected image in PC	Save in PC	Ctrl + 'P'	Not available	Not Available

2.3 Other commands (Supported only in the PC GUI)

To...	Do this			
	GUI Button	PC Keyboard	Device Keypad	Touch Panel
Switch between different groups in forward direction	Not Available	Ctrl + G	Not Available	Not Available
Switch between different groups in reverse direction	Not Available	Ctrl + Shift + G	Not Available	Not Available
Switch between different tabs	Not Available	Ctrl + Tab	Not Available	Not Available
Switch to particular tab	Not Available	Ctrl+1/Ctrl+2/Ctrl+3	Not Available	Not Available

Set focus on file explorer window	File explorer window	Alt + 'F'	Not Available	Not Available
Set focus on zoom level edit box	Zoom level edit box	Alt + 'Z'	Not available	Not Available
Select views and filter option: Set focus on Rotate Left button	Not Available	Alt + 'W'	Not available	Not Available
Select navigation option: Set focus on left navigation button	Not Available	Alt + 'N'	Not available	Not Available
Set focus on image resize filters drop down list	Image Resize Filters drop down list	'A' key or Up/Down Arrow key after pressing 'A' key	Not Available	Not Available
Set focus on processed image variants drop down list	Image Variants drop down list	Ctrl + 'A' or Up/Down Arrow key after pressing Ctrl + 'A' key	Select	Not Available
Set focus on auto image scrolling time interval edit box	Auto Image Scrolling edit box	Alt + 'O'	Not Available	Not Available
Start or Stop auto image scrolling	Start	Ctrl + 'T'	Not Available	Not Available

3 Review Image

To...	Do this			
	GUI Button	PC Keyboard	Device Keypad	Touch Panel
Zoom in: Incremental zoom in by 1x, up to 32x	Zoom In	Plus ('+') key	Dot 5	Not Available
Zoom in with small step size 0.1	Not Available	Ctrl + Plus key	Dot 4	Not Available
Zoom in max: Displays the original image	Zoom in Max	Alt + Plus key	Select + Dot 4	Not Available
Zoom in max: Displays the original image	Zoom in Max	Alt + Plus key	Select + Dot 3	Not Available

Zoom out: Incremental zoom out by 1x, up to default image view	Zoom Out	Minus ('-') key	Dot 2	Not Available
Zoom out with small step size 0.1	Not Available	Ctrl + Minus key	Dot 1	Not Available
Zoom out max: Resets the view to its default state	Zoom Out Max	Alt + Minus key	Select + Dot 1	Not Available
Review previous file after image is zoomed	Not Available	Up / Down Arrow key after pressing Alt + F	Dot 3	Not Available
Review next file after image is zoomed	Not Available	Up / Down Arrow key after pressing Alt + F	Dot 6	Not Available
Rotate Image Left – 90 Degree	Rotate Left	Ctrl + 'L'	Select + Left	Not Available
Rotate Image Right – 90 Degree	Rotate Right	Ctrl + 'R'	Select + Right	Not Available
Navigate the pan window in the upward direction by 25 percent of the display size	Up	Up Arrow	Up Arrow	Down Swipe
Navigate the pan window in the downward direction by 25 percent of the display size	Down	Down Arrow	Down Arrow	UP Swipe
Navigate the pan window in the right direction by 25 percent of the display size	Right	Right Arrow	Right Arrow	Left Swipe
Navigate the pan window in the left direction by 25 percent of the display size	Left	Left Arrow	Left Arrow	Right Swipe
Navigate the pan window by a single pixel in the upward direction	Not Available	Ctrl + Up Arrow	Space + Up Arrow	Not Available

Navigate the pan window by a single pixel in the downward direction	Not Available	Ctrl + Down Arrow	Space + Down Arrow	Not Available
Navigate the pan window by a single pixel in the left direction	Not Available	Ctrl + Left Arrow	Space + Left Arrow	Not Available
Navigate the pan window by a single pixel in the right direction	Not Available	Ctrl + Right Arrow	Space + Right Arrow	Not Available
Move to the top left corner of the image	Not Available	Not Available	Left Arrow + Up Arrow	Not Available
Move to the bottom left corner of the image	Not Available	Not Available	Left Arrow + Down Arrow	Not Available
Move to the top right corner of the image	Not Available	Not Available	Right Arrow + Up Arrow	Not Available
Move to the bottom right corner of the image	Not Available	Not Available	Right Arrow + Down Arrow	Not Available
Change image resize filters	Image Resize Filters drop down list	'A' key or Up/Down Arrow key after pressing 'A' key	Not Available	Not Available
Change image variants	Image Variants drop down list	Ctrl + 'A' or Up/Down Arrow key after pressing Ctrl + 'A' key	Select key	Not Available
Selects next image variant	Image Variants	Not Available	Dots 5 6	Not Available

	drop down list			
Selects previous image variant	Image Variants drop down list	Not Available	Dots 2 3	Not Available
Selects first image variant	Image Variants drop down list	Not Available	Dots 1 2 3	Not Available
Selects last image variant	Image Variants drop down list	Not Available	Dots 4 5 6	Not Available
Center the pan window to the desired location	Not Available	Not Available	Not Available	Double Tap
Invert the Image	Invert tick box	Ctrl + 'I'	Dots 5 8	Not Available
Load the image with latest timestamp from the current folder	Not Available	F5	Not Available	Not Available

4 Touch Commands (Supported in all the Graphiti units)

To...	Do this on the Device Keypad
Activate/Deactivate the Draw Mode	Space + Dot 1
Select pixel height level 1 for Draw Mode	Dot 1
Select pixel height level 2 for Draw Mode	Dot 2
Select pixel height level 3 for Draw Mode	Dot 3
Select pixel height level 4 for Draw Mode	Dot 4
Erase individual pixels where touched	Dot 5
Erase complete drawn image (Press Dot 8 to Confirm and Dot 7 to Cancel the action)	Dot 7
Switch between Draw and Review Mode	Dot 6
Deactivate the Draw Mode if the user is in Draw Mode	Space + Dot 1
Save the created file to the SD card	Space + Dots 2 3 4

5 HDMI Mode

To...	Do this on the Device Keypad
Start HDMI Mode	Space + Dot 6
Play/Pause HDMI Mode	Space

Note: All commands are supported as mentioned in the “Review Image” section.

5.1 File Manager

To...	Do this on		Additional Information
	Device Keypad	Touch Panel	
Open a file or folder	Select	Not Available	Pressing the Select key opens the file or folder. If it is a file, then the contents will be displayed on the tactile display. Message bar on the tactile display will show the file name.
Go to previous file or folder	Dot 3	Down Swipe	Goes to the previous file or folder in the current directory.
Go to the next file or folder	Dot 6	Up Swipe	Goes to the next file or folder in the current directory.
Go to previous file or folder	Up Arrow	Down Swipe	Goes to the previous file or folder in the current directory.
Go to the next file or folder	Down Arrow	Up Swipe	Goes to the next file or folder in the current directory.
Close a file or folder	Dot 7	Not Available	If the user is already in the File Management mode, pressing Dot 7 moves to the parent directory. If the user is in File Viewer mode, then the current opened file will be closed. If the user is at the root level, Dot 7 does nothing.

			If the user is in one of the columns of information, for example size or date, then pressing Dot 7 returns to the file name.
Scroll through file information	Left Arrow	Right Swipe	This command moves through the file information/properties by heading in the backward direction.
Scroll through file information	Right Arrow	Left Swipe	This command moves through the file information/properties by heading in the forward direction. Also, if the name of the file is more than the display size, first it will scroll through the complete name and then display the file properties.
Create a new Folder	Space + O (Dots 1 3 5)	Not Available	This command opens the Edit Box where the user may type the name of the new folder.
Delete a file or folder	Space + D (Dots 1 4 5)	Not Available	This action deletes the currently selected file or folder.
Rename a file or folder	Space + R (Dots 1 2 3 5)	Not Available	The Rename File command allows the user to change the name of a file or folder. To use it, press the Rename command. The device responds with an Edit Box containing the original file or folder name. Edit the name or type a new one and press select key.
Cut a file	Space + X (Dots 1 3 4 6)	Not Available	This action cuts the currently selected file from its location and places it on the clipboard to be used with the paste command.
Copy a file	Space + C (Dots 1 4)	Not Available	The Copy File command makes a copy of the currently selected file and places it on the clipboard to be used with the paste command.
Paste a file	Space + V (Dots 1 2 3 6)	Not Available	This action pastes the file or folder into the current location in the File Manager.

Move to first file	Space + Dots 1 2 3	Not Available	Pressing [Space + Dots 1 2 3] moves the selection to the first file in the current folder.
Move to the last file	Space + Dots 4 5 6	Not Available	Pressing [Space + Dots 4 5 6] moves the selection to the last file in the current folder.
Select Multiple files/folders	Space + Dots 1 3 4	Not Available	Selects presently displayed file/folder.

6 Slideshow Mode

To...	Do this on the Device Keypad
Enable Slideshow Mode (Need to open directory first)	Space + Dots 1 3 4 8
Exit Slideshow Mode	Press any key

7 Slideshow Mode

In the Graphiti device, slide show can be enabled from the preference menu only. It is also enabled by using Hot key command given above.

8 OS/Firmware Upgrade Procedure

1. Copy the OS upgrade binary "Graphiti_OS_vxx.xx.xx.dat" into the root directory of the SD card and turn off the device. Make sure the SD card is inserted in the device.
2. Press and hold DOT6 + Down Arrow key and press the Power On key for 2 seconds. Release all the keys once the device emits single long vibration pulse.
3. The device will start upgrading the OS after a few seconds and will show the message "Upgrading" along with a short vibration pulse at every 2 seconds. After completing the OS upgrade, the device will reboot automatically and after reboot, the device will again display the message "Upgrading" (Firmware upgrade) until it finishes all the upgrades.
4. After completion of upgrade, the device will give message "Upgrade Successful".

9 System Reset

To...	Do this on the Device
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Reboot System (Up to unit -11)	Press and hold Down Arrow key and tap the Dot 8 key
Reboot System (Unit -12 and later units)	Press and hold Dot 8 key and tap the Power button
Turn Off the System Forcefully	Press Power key for 10 seconds

10 Preference Menu

To...	Do this on the Device Keypad
Enter Preference Menu	Space + Dots 7 8

To...	Do this on the Device Keypad	Additional Information
Move to the previous menu	Up Arrow	Menu will roll over if it is the first menu item.
Move to the next menu	Down Arrow	Menu will roll over if it is the last menu item.
Left scroll through the message	Left Arrow	Scrolls to the Left, if the message length is more than 20 characters.
Right scroll through the message	Right Arrow	Scrolls to the Right, if the message length is more than 20 characters.
Select menu item	Select	Will display the submenu or the item list
Exit menu	Dot 7	This key is used to jump back to the main menu from sub-menu or exit preference menu, if already in main menu.

11 System Log

To...	Do this on the Device Keypad
Transfer system log to storage media (SD card or USB Stick)	Space + Dots 2 3 4 5

12 Pin Test

12.1 Graphiti device

BIST Entry: Press and hold the Space bar and tap Power key five times.

BIST Exit: Press and hold the Space bar and tap Power key five times. The device will return to the previous mode on exiting the BIST.

Once you are in BIST mode, the pin test commands are as described in the table below.

To...	Do this on the Device Keypad	Additional Information
Set all pins Up	Select + Up Arrow	Sets all pins at height level 4
Set all pins Down	Select + Down Arrow	Resets all pins to height level 0
Set all pins at home position	Select + Space	All pins will move in the downward direction to home position just below the touch panel surface.