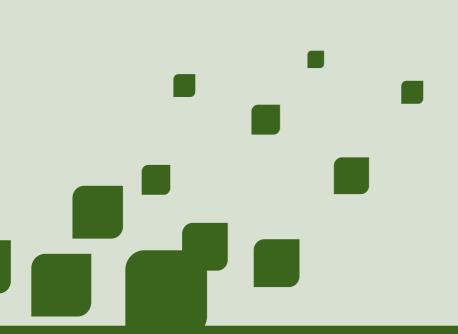
User Guide

Leaf Aptus





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RE37,376	5,412,737	5,699,174	6,014,471	6,189,452	6,396,422	6,579,660
D478,608	5,420,702	5,699,740	6,016,752	6,191,882	6,407,849	6,587,211
4,558,302	5,420,722	5,708,736	6,043,865	6,204,874	6,409,331	6,589,710
4,743,091	5,459,505	5,713,287	6,060,208	6,205,364	6,414,755	6,590,635
4,992,864	5,473,733	5,742,743	6,063,528	6,208,369	6,422,801	6,593,064
5,049,901	5,481,379	5,764,374	6,063,546	6,214,276	6,425,565	6,601,888
5,113,249	5,488,906	5,771,794	6,072,518	6,217,965	6,430,136	6,605,407
5,132,723	5,508,828	5,785,309	6,090,529	6,252,241	6,435,091	6,609,459
5,155,782	5,509,561	5,802,034	6,093,447	6,252,522	6,441,914	6,611,363
5,157,516	5,517,359	5,813,346	6,096,461	6,255,033	6,443,571	6,618,187
5,177,724	5,519,852	5,818,498	6,098,544	6,260,482	6,450,092	6,628,435
5,208,818	5,576,754	5,854,883	6,107,011	6,266,080	6,456,396	6,632,584
5,208,888	5,579,115	5,861,904	6,112,663	6,266,134	6,471,335	6,637,329
5,247,174	5,583,551	5,861,992	6,115,056	6,267,054	6,476,342	6,637,860
5,249,067	5,592,309	5,875,288	6,116,160	6,268,948	6,476,931	6,640,713
5,283,140	5,594,556	5,894,342	6,121,996	6,270,204	6,477,955	6,641,772
5,291,273	5,600,448	5,900,981	6,130,702	6,283,589	6,493,064	6,641,978
5,305,091	5,608,822	5,934,196	6,134,393	6,295,076	6,494,965	6,646,669
5,323,248	5,615,282	5,946,426	6,136,509	6,299,572	6,503,691	6,648,468
5,325,217	5,625,397	5,947,028	6,137,580	6,318,266	6,509,903	6,652,088
5,339,176	5,625,766	5,958,647	6,147,789	6,328,408	6,511,163	6,654,147
5,343,059	5,636,330	5,966,504	6,158,345	6,336,708	6,520,084	6,660,997
5,355,446	5,649,220	5,969,872	6,159,659	6,340,817	6,530,317	6,661,561
5,359,451	5,650,076	5,973,801	6,164,637	6,352,816	6,541,181	6,665,048
5,359,458	5,652,804	5,986,819	6,165,658	6,353,216	6,544,336	6,665,121
5,367,360	5,680,129	5,995,475	6,180,325	6,366,339	6,545,772	6,670,986
5,384,648	5,691,823	5,996,499	6,181,362	6,371,026	6,550,388	6,684,783
5,384,899	5,691,828	5,998,067	6,181,439	6,377,739	6,564,018	6,704,123
5,412,491	5,696,393	6,003,442	6,186,068	6,387,597	6,567,713	

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Introduction

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Overview

The Leaf™ Aptus digital camera back is the world's first camera back that includes a built-in large (6 x7 cm) LCD screen and an innovative graphic user interface. An integrated battery and compact flash (CF) storage card ensure easy shooting. New hardware offers a continuous non-stop shooting, and a faster capture rate. These shooting capabilities combined with large storage options give professionals the flexibility to meet the most demanding shooting situations. A new raw HDR format (cHDR) that uses lossless compression to reduce file size and a completely new Leaf Capture application, enhance workflow and teamwork both on location and in the studio.

This user guide explains how to setup the camera back for first time use, take a shot, evaluate, and edit shots.

The following picture shows the Leaf Aptus opening screen and menu buttons:



The following picture shows the location of the Leaf Aptus controls and stylus:

Overview 3

The following picture shows the location of the Leaf Aptus controls and stylus:



The Basic Steps

Follow these steps to shoot and edit your images:



Prepare to shoot. Turn on your camera and camera back, and perform some basic steps before

taking your first shot.



View the camera settings.

View the camera predefined settings, choose another setting, or make changes

to specific camera settings.



Take a shot. Take a shot.



Evaluate your shot. Check the exposure, focus, and

composition of your shot, and set the

gray balance for future shots.



Edit your images. Organize your images using the Leaf™

Aptus editing tools.

Prepare to Shoot

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Turn on Your Camera Back and Camera

The procedure that you use to turn on your camera back and camera depends on whether you use a compact flash card and battery, a digital magazine or work in tethered mode.

Using the Leaf Aptus camera back with a compact flash card and battery:

- 1. Ensure that the battery is charged, and insert the compact flash card. For more information, see the Installation Guide.
- 2. Press and hold the on/off button on the camera back until the orange light turns on, and then release the on/off button. When the camera is ready to shoot, the light turns green and a ready beep sounds.



3. Verify that the message **Ready to Shoot** appears on the touch screen.

To turn the camera off, press and hold the on/off button until the light turns orange. If you changed a setting in the Setup menu, the camera saves the new setting and then shuts down.

Using the Leaf Aptus camera back with a digital magazine:

- 1. Connect the digital magazine to the camera back with the FireWire cable. For more information, see the Installation Guide.
- 2. Press and hold the on/off button on the digital magazine until the green light turns on.



3. Verify that the message **Ready to Shoot** appears on the touch screen. To turn the camera off, press the on/off button.

Working in tethered mode:

- 1. Plug the FireWire cable into the camera back and the computer. If there is a compact flash in the back, the compact flash icon appears on the desktop. For more information, see the Installation Guide.
- 2. Turn on the camera.

To turn off the camera back, if you are using a compact flash eject the compact flash from the desktop to dismount it, and then unplug the FireWire cable. If you are not using a compact flash, unplug the FireWire cable.

The **Ready to Shoot** message appears on the opening screen as follows:



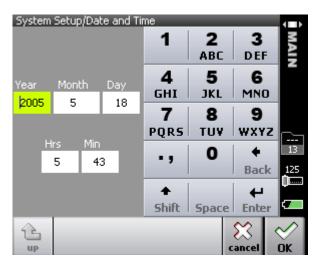
Set the Date and Time



1. Scroll down, and then tap **Date and Time**.



2. Using the virtual keypad, tap the date and time values, and then tap **OK**.



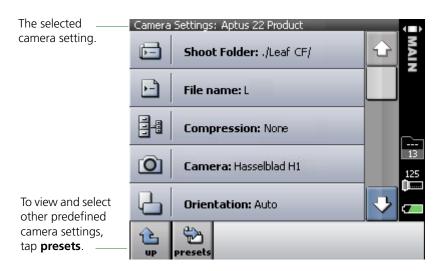


Note: You need to set the date and time only once. If the time-zone that you work in changes, reset the date and time accordingly.

To take a shot now, skip to the section *Take a Shot* on page 16. To view and customize your camera settings, go to the next section.

View and Define a Predefined Camera Setting





current settings by tapping the up and down arrows.



2. If necessary, change the camera setting or an individual setting. The camera settings specified here are applied to all future shots.

To change a camera setting:

> Tap the relevant setting, and from the menu that appears, select an



For more information about these settings, see the Leaf Capture User Guide.

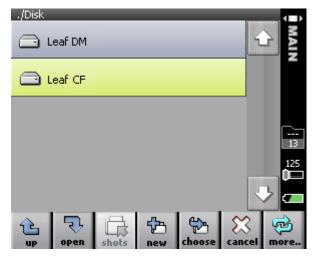
Create a Folder



Your shots are automatically saved in the storage unit connected to your camera: digital magazine (Leaf DM) or compact flash (CF). To enhance organization, you can create folders for storing your shots.



2. Tap open.



- 3. Tap **new**.
- 4. Using the virtual keypad, tap the name of the folder, and then tap OK.

To create a subfolder, tap the new folder, tap **open**, and then tap **new**.



Select a Folder for Your Shot

Select a Folder for Your Shot



➤ Tap a folder, and then tap **choose**.



Assign a Base Name to the Shot

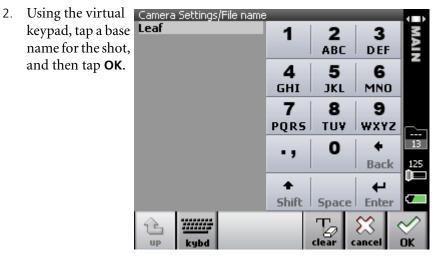


Leaf Aptus applies this name to all future shots, adding a number in sequence each time, until you define a new base name.

1. Tap File name.



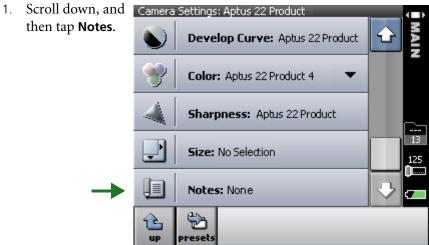
name for the shot, and then tap **OK**.



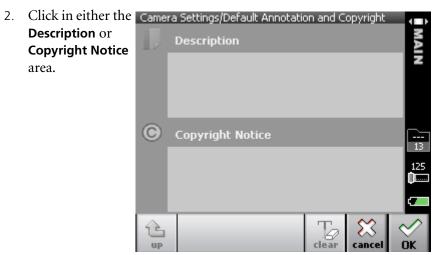
Add Notes and Copyright Information to Your Shot



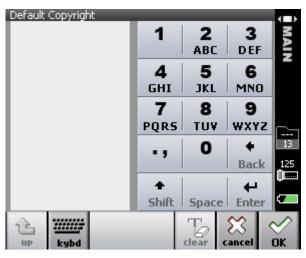
then tap Notes.



Description or **Copyright Notice** area.



3. Use the virtual keypad to tap the desired information, and then tap **OK**.



Take a Shot

Take a Shot	 	16

Take a Shot



➤ Take a shot.





Note: To guard against accidental taps to the screen, you can "lock" it. For more information, see *Customize the Touch Screen* on page 41.

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Evaluate Your Shot

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Check the Exposure









To check the exposure of your shot, do one or all of the following:

- On the touch screen:
 - ☐ Tap the histogram button to examine the exposure data in the histogram.
 - ☐ Tap the histogram, and then use the picker tool to view the exposure data for a specific spot on the image.
 - ☐ Tap the over button to view the overexposed and underexposed areas of the image.
- Press the user button to view the histogram, the exposure alarms and shoot information. To specify what parameters appear, see *Adjust the Settings For a Shoot* on page 45.



Note: To maximize the display size of your shot, double-tap the image.

Check the Exposure (cont'd)









Using the Histogram and Picker Tool

1. Tap histog.



- 2. Examine the histogram to check that most of the exposure data lies within the exposure limits. Exposure data that lies within the limits is shown in white. Overexposed and underexposed data is shown in gray.
- 3. Tap , and then tap a spot on the image. The spot that you tap is marked by a magenta circle. A magenta line on the histogram indicates the exposure data related to the spot.



The exposure meter, +0.4, shows the overall exposure in f-stops.





Note: To remove the spot from the image, tap on the histogram, and then tap outside the image area.

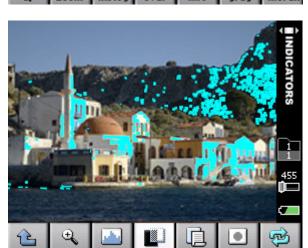
Check the Exposure (cont'd)



Using the overexposure and underexposure alarms

1. Tap over.

A flashing mask covers the overexposed and underexposed areas of the image.





Note: It is possible to configure which exposure areas appear, overexposed or underexposed. For more information, see *Adjust the Settings for a Shoot*, page 45.

Check the Exposure (cont'd)









Press the User Button to View the Histogram and Information About Your Shot

> Press the user button.



The histogram appears with the overexposure and underexposure indicators.

To hide the overlays, press the button again.





Note: You can customize the user button to display a different combination of the histogram, exposure alarms, and info. For more information, see *Configure the User Button for Shoot* on page 54.

Check the Focus









1. Tap **zoom.**



- 2. To magnify the image area 100% (1:1), tap a desired point on the image.
- 3. Increase or reduce the magnification, tap either in or **out**, and then tap the image.



Each tap on the image changes the magnification by a fixed percentage.

4. To pan the image, tap the arrows.



5. To revert to a view of the entire image, tap fit.

Set the Gray Balance 23

Set the Gray Balance









To set the gray balance for all future shots:

1. Photograph your subject with a gray card, or ensure that there is a neutral gray area in the scene.

2. Tap gray.



3. Tap the gray card or on a gray area in the image.



4. Tap **OK** to use the new gray balance setting, or tap cancel.



Note: If your gray card is not large enough in full-screen view, use the zoom tool to enlarge your picture before setting the gray balance.

Check the Composition





Shoot



View the image area that lies within the red border.

Crop mask





Note: To see a crop mask on your image, you must select a size for your shot in the camera settings. If you select a size but do not want the crop mask to appear, you can hide the mask. For more information, see *Adjust the Settings For a Shoot* on page 45.

Browse Through Your Images



Do one of the following:

• a. Tap more.





• Roll the user button back or forwards.

Flag, Annotate or Delete a Shot



1. Tap the image and hold until the flag, note and delete buttons appear.



2. Tap the relevant button.

View Information About Your Shot



> Tap info.

The image information and EXIF data appear on the image.



Edit Your Images

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Go from Shoot View to Edit View



➤ In Shoot view, tap edit.



Use Edit view to:

- Display your images in various view modes.
- Browse through your images to flag, annotate, and delete single or multiple images.
- Move images from one folder to another.

Select a View for Your Images



- 1. Tap more.
- 2. Tap **view**, and select a view.





Browse Through Your Images



Do one of the following:

or use the scroll bar.



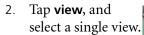
Roll the user button back or forwards. As you move from one image to the next, the image is automatically selected.

P

View Information and EXIF Data



1. Tap **more** and tap an image.





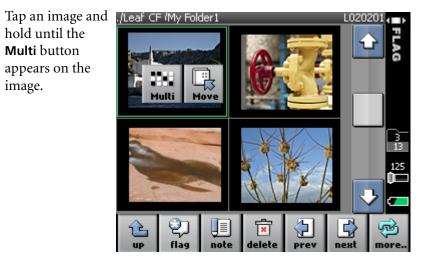
3. Information saved with the image and the EXIF data appear beside the image.



Select Multiple Images



hold until the Multi button appears on the image.



2. Tap the Multi button, and then tap the images that you want to select.

Flag, Annotate or Delete an Image



Tap the image, and then tap flag, note, or delete.





Note: If you select multiple images, the action is performed on all the selected images.

Sort Your Images



1. Tap more.



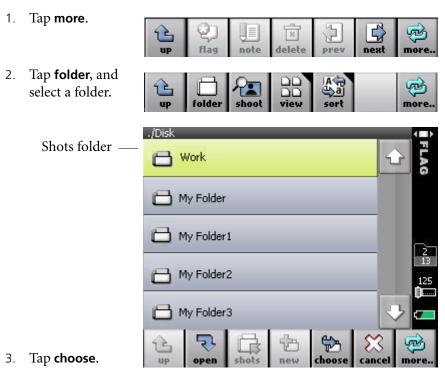
2. Tap **sort**, and select a sorting parameter from the options (alphabetical, time, or flag)



Select a Folder 37

Select a Folder





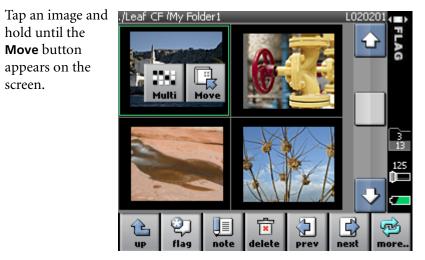


Note: The Shots folder is always positioned at the top of the folder list.

Move Your Images



hold until the Move button appears on the screen.



- 2. Tap Move.
- Tap the desired folder.



4. Tap **Move.**

Go to Shoot View 39

Go to Shoot View



To open a specific image in Shoot view, tap the image and then tap **shoot**, or doubletap the image.

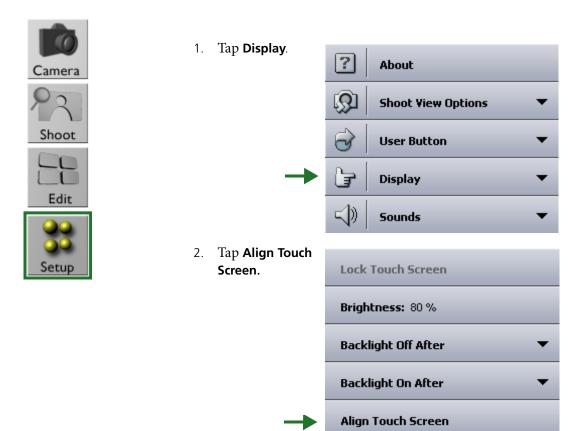


6

Customize the Touch Screen

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Align the Touch Screen



3. Follow the instructions on the screen.

Turn Off the Backlight 43

Turn Off the Backlight

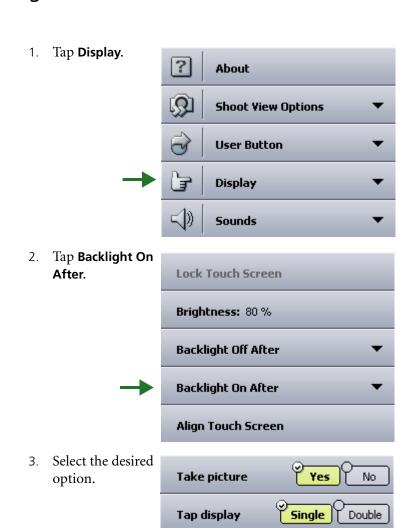




2 min

Turn On the Backlight



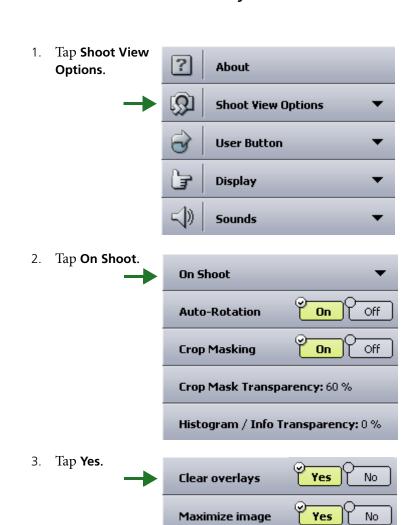


Adjust the Settings For a Shoot

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Clear Indicators and Information on Every Shot



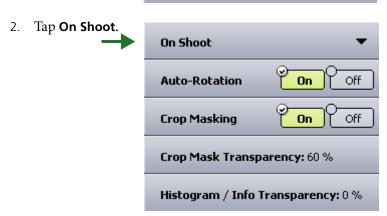


See a Full-Screen View of Every Shot



To hide the menu buttons for a full-screen view of your shots:





3. On the Maximize image bar, tap Yes.



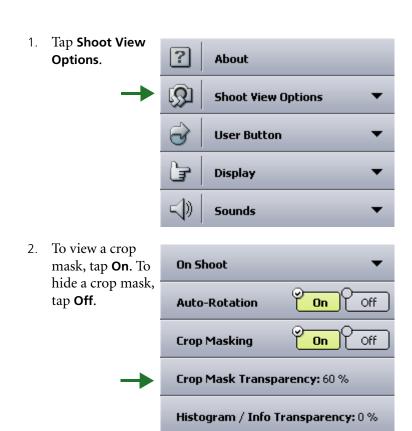


To view the menu buttons, tap the image.



Show and Hide the Crop Mask





Adjust the Transparency of the Crop Mask



1. Tap Shoot View Options.

About

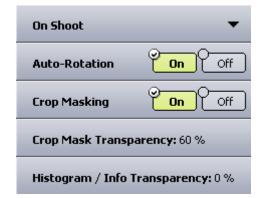
Shoot View Options

User Button

Display

Sounds

2. Tap Crop Mask Transparency.

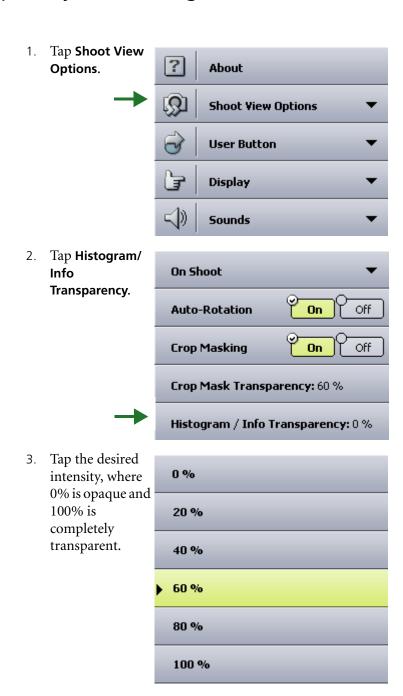


3. Tap the desired intensity, where 0% is opaque and 100% is completely transparent.



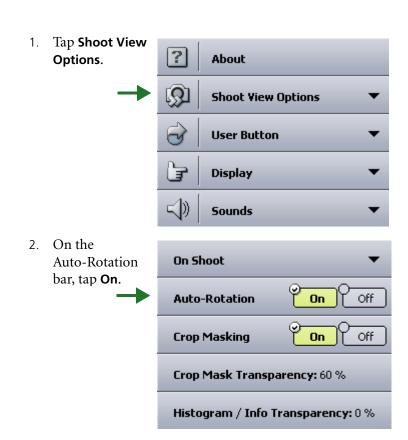
Adjust the Transparency of the Histogram and Info Bar





Rotate the Histogram and Info Overlays





Format the Disk



1. Scroll down, and then tap Format Disk. System Setup



2. Tap the disk that you want to format, and then tap **choose**.





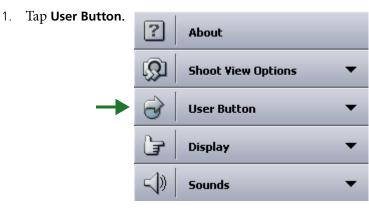
Configure the User Button

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Configure the User Button for Shoot



To configure the user button for viewing indicators or flagging images in Shoot view:





Action

- 3. Select **Indicators** or **Flag**. If you select Flag, do not go on to step 4.
- 4. Tap **Actions Settings** and select the desired indicators.



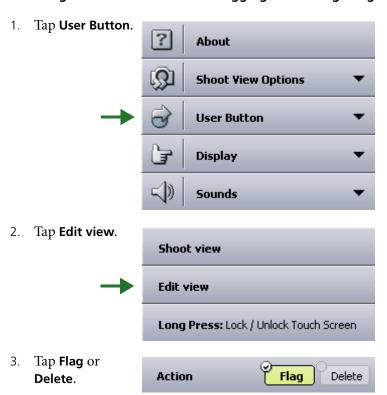
Indicators

Flag

Configure the User Button for Edit View



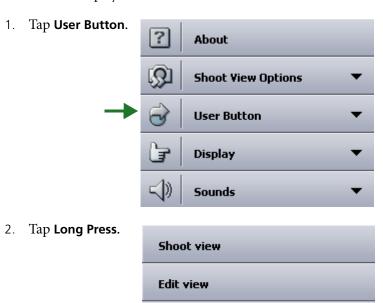
To configure the user button for flagging or deleting images:



Configure a Long Press of the User Button



A long press on the user button can either lock or unlock the touch screen, or turn the display on or off.



3. Select the desired option.

Display Off / On

Lock / Unlock Touch Screen

Long Press: Lock / Unlock Touch Screen