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# 6

## Camera & Imaging



## Getting Started

Capture still images or record video.

### Various Image Sizes

Select small sizes to send captured images/recorded video via S! Mail\*; select larger sizes for higher resolutions.

### Multiple Shooting Modes

Apply effect or add frame, capture successive/panoramic or scan images.

### Auto Focus

Measures the distance between subjects and camera to adjust focus.

### Review

Open/play last saved mobile camera file quickly; access older files as needed.

\*May not be delivered as sent depending on image/recording size or recipient device.

### Important Mobile Camera Usage Notes

- Clean dust/smudges from lens cover with soft dry cloth before use.
- Mobile camera is a precision instrument, however, some pixels may appear brighter or darker.
- Shooting/saving images while handset is hot may affect the image quality.
- Exposing lens to direct sunlight may damage color filter and affect image color.

### Auto Shut-off

- Before image capture/recording, mobile camera shuts down after a period of inactivity and handset returns to Standby.

### Shutter Click

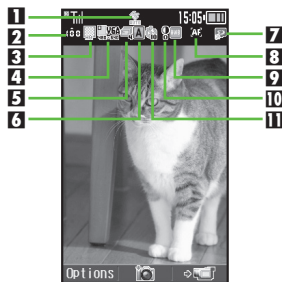
- Shutter click and Self-timer tone sound at fixed volume regardless of handset settings.



## Display Indicators

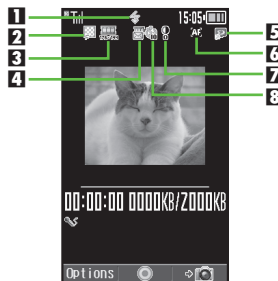
The following indicators appear at the top of Display.

### Photo Viewfinder



<b>1</b> Mobile Light	<b>7</b> Save to
<b>2</b> Memory	<b>8</b> Focus
<b>3</b> Picture Quality	<b>9</b> White Balance
<b>4</b> Picture Size	<b>10</b> Exposure
<b>5</b> Continuous Shoot	<b>11</b> Self-timer
<b>6</b> Scene	

### Video Viewfinder



<b>1</b> Mobile Light	<b>5</b> Save to
<b>2</b> Video Quality	<b>6</b> Focus
<b>3</b> Record Size	<b>7</b> Exposure
<b>4</b> Record Time	<b>8</b> Self-timer

## Advanced

Opening Help (P.6-14)



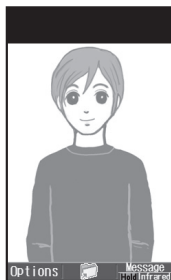
## Capturing Still Images

1 ➔ Frame subject on Display



Photo Viewfinder

2



Captured Image Window

- Shutter clicks; captured image appears. (To discard file and start over, press .)

3

- Image is saved. (Viewfinder returns.)
- Open saved images via Review or Data Folder.

4 ➔ Camera shuts down

**Sending Captured Images via Mail**  
 [Captured Image Window] ➔ Complete message ➔

### Mobile Light

- Mobile Light may illuminate automatically depending on ambient light level. Follow these steps to turn setting off:  
 [Photo Viewfinder] ➔ **Mobile Light** ➔ ➔

### Pre-Image Capture Operations

Zoom In/Out	
Toggle Mode	
Adjust Brightness	
Change Image Size	
Toggle Mobile Light Mode	
Open Help	

### Advanced

- Adjusting brightness
- Adjusting focus quickly for close-up shots
- Changing Mobile Light mode
- Changing shutter click sound
- Changing image size
- Changing mode according to lighting or subject
- Adjusting image color to lighting conditions (And more on P.6-14 - 6-15)



## Recording Video

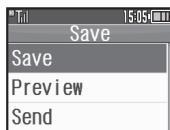


Video Viewfinder


2 **Frame subject on Display**



- Recording starts after a tone. (To start over, press .)



Video Save Menu









- Recording stops with a tone. (To discard file and start over, press .)



- Video is saved. (Viewfinder returns.)
- Play saved video via Review, Data Folder or Media Player.



### Pre-Recording Operations



Zoom In/Out	 / 
Toggle Mode	
Adjust Brightness	 / 
Change Record Size	
Toggle Mobile Light Mode	
Open Help	

### Playing Unsaved Video

In 4, **Preview** → 

### Sending Recorded Video via Mail

In 4, **Send** →  → **Save and Send**

→  → **Complete message** → 

- May not be delivered as sent depending on recording size or recipient device.

### Incoming Calls

- If a call arrives before video is saved, recorded clip is temporarily saved. End the call to return.

### If Battery Runs Low

- Recording stops. (Recorded clip is saved.)

### Advanced

-   Adjusting focus quickly for close-up shots
-  Changing Mobile Light mode (And more on [P.6-14](#))
-  Changing recording time/size
-  Enlarging Viewfinder size
-  Recording video without sound ([P.6-15](#))



## Opening Saved Files

### Opening Last Saved File

Open/play last saved mobile camera file; access older files as needed.

- 1 ➔ **Camera** ➔
- 2 **Review** ➔



Review Window

- To end, press .

### Enlarging Images

After ,

### Pausing/Resuming Video

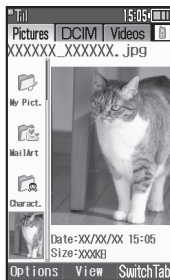
After , (press to pause/resume)

### Opening Help

[Review Window]

### Accessing Older Files

- 1 In Review window,



Review File List

- File list appears.
- Press to toggle lists.

- 2 **Select file** ➔






- File opens/plays.




## Using Shooting Modes

May be unavailable depending on selected image/recording size.

### Self-timer

- 1 In Photo/Video Viewfinder,  ➔ **Self-timer** ➔ 
- 2 Select time ➔ 
- 3 Frame subject on Display ➔ 
  - After selected time elapses, captured image appears or recording starts.
  - To stop recording, press .
  - For more, see operation descriptions on P.6-4 or P.6-5.

Releasing Shutter during Countdown After ,

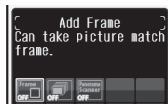
Incoming Calls/Alarm during Countdown • Countdown stops. (Self-timer remains active.)

### Continuous Shoot (Photo Camera)





Available Modes:

4 Pictures	Capture four separate images with Index Image
9 Pictures	Capture nine separate images with Index Image
Overlapped	Capture five images to create a composite image

- 1 In Photo Viewfinder,  ➔ **Modes** ➔ 



Mode Menu

- 2 **Continuous Shoot** ➔ 
- 3 Select mode ➔  ➔ Select speed ➔ 
- 4 Frame subject on Display ➔ 
  - After image capture, Index Image or a composite image appears.
  - When shooting speed is set to **Manual** (4 Pictures and 9 Pictures modes), repeat 4 for each frame.






- 5  (Long)

- All captured images are saved.





Saving the Selected Image

After 4,  ➔ 

### Adding Frames (Photo Camera)

- 1 In mode menu, **Add Frame** ➔ 
- 2 **Preset Frames** ➔ 
- 3 Select frame ➔ 
- 4 Frame subject on Display ➔ 
  - Captured image appears.
  - Press  to save image. (Viewfinder returns.)

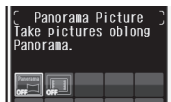
Using Frames in Data Folder

In 2, **Data Folder** ➔  ➔ Select frame ➔  ➔  ➔ Frame subject on Display ➔ 



## Panorama Picture (Photo Camera)

- 1 In mode menu, **Panorama/Scanner** → ●



Panorama/Scanner Menu

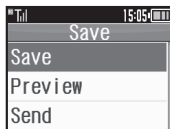
- 2 **Panorama Picture On** → ● → ●

- 3 **Frame subject on Display** → ●




- 4 **Move handset slowly to keep + aligned with either of yellow lines**

5 ●



Save Menu

- Image is captured and Save menu opens.
- Image is captured automatically when the bar (  ) turns blue.

6 **Save** → ●

- Image is saved.

## Checking Unsaved Images

In 6, **Preview** → ●

## Scanning Images (Photo Camera)

- 1 In **Panorama/Scanner** menu, **Scanner** → ●

- 2 **Select size** → ● → **Frame subject on Display** → ●



- Move handset slowly to scan the area to capture. (Refer to indicators on Display.)

3 ●

- Image is captured and Save menu opens.

4 **Save** → ●

- Image is saved.

## Checking Unsaved Images

In 4, **Preview** → ●

## Advanced

- Changing panorama/scanner settings ● Changing panorama/scanner image preview method (P.6-15)





## Picture Editor

### Picture Editor Options

The following options are available. Some images may not be editable depending on file type and size.

<b>Resize</b>	Select from preset sizes or crop image
<b>Frame</b>	Add Frame to images
<b>Paste</b>	Add text/dates to images
<b>Retouch</b>	Dress up images with preloaded visual effects
<b>Stamp</b>	Add stamps to images
<b>Face Arrange</b>	Make smiley, angry or sad faces
<b>Correction</b>	Correct images
<b>Rotate</b>	Rotate images
<b>File Format</b>	Convert file format and change file size

### Basic Operation

- 1 → **Pictures etc.** →
- 2 **Pictures** → → **Select image** →
- 3 → **Edit** →
- 4 **Picture Editor** →



Picture Editor Menu

- 5 **Select effect** → → **Edit**
  - To start over, press .
- 6 **When finished,**
- 7 **Save as New** →
  - To overwrite, select **Overwrite** and press . (Omit .)
- 8 **Enter name** → → **Save here** →

### Canceling Effects

- After , **Undo** →
  - To restore effect immediately after canceling, select **Redo** and press .

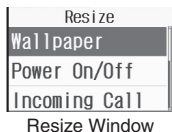


## Changing Image Size

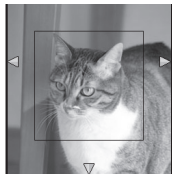
Select from preset sizes or crop image.

**Resize to Preset Size**

- 1 In Picture Editor menu, **Resize** ➔ ●



- 2 Select size ➔ ●
- 3 ● Move + to the upper left corner of the portion to crop



● If crop frame does not appear, omit 3.

4 ●

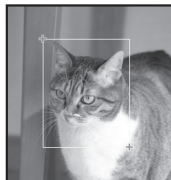
● Editing is complete.

## Zooming In/Out

After ③, ④ ➔ ● ➔ 4

## Cropping Images

- 1 In Resize window, **Cut** ➔ ●
- 2 ● Move + to the upper left corner of the portion to crop ➔ ●



- 3 ● Move + to the lower right corner of the portion to crop ➔ ●

4 ●

● Editing is complete.

## Specifying Image Area

After ③, ④ ➔ ● ➔ 4

## Zooming In/Out

After ③, ④ ➔ ● ➔ 4

## Applying Visual Effects

Render in sepia tones or add blur, etc.

- 1 In Picture Editor menu, **Retouch** ➔ ●
  - 2 Select effect ➔ ●
  - 3 ●
- Editing is complete.

## Adding Frames

- 1 In Picture Editor menu, **Frame** ➔ ●
  - 2 Select frame ➔ ●
  - 3 ●
- Editing is complete.

## Advanced

● Using additional editing options (P.6-15 - 6-16)



## Face Arrange

Make faces smiley, sad, etc.

- 1 In Picture Editor menu, **Face Arrange** → ●



Face Arrange Menu

- 2 Select type → ●

- 3 ●

- Editing is complete.

### Important Face Arrange Usage Note

- When using Face Arrange, take care not to create images that may embarrass or offend others. Always obtain permission before photographing others.

## Adjusting Positions

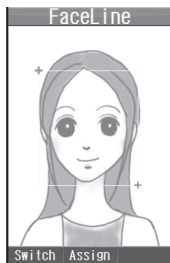
Change the default positions and sizes of targets to fit the image.

- 1 In Face Arrange menu, ● → ●

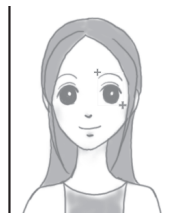
- A rectangle appears with + in the upper left corner.

- 2 ● → ●

- 3 ● → ●



- 4 ●



- Face line is set. Set the eyes and then mouth in the same way.

- 5 ● → ● → ● → ● → ●

- Image is saved as a new entry with Face Arrange positions adjusted. Complete Face Arrange. Face Arrange is applied to the adjusted positions.



# Composite

## Composite Options

The following options are available. Some images may not be editable depending on file type and size.

<b>Split Picture</b>	Combine up to four reduced images into one
<b>Merge Panorama</b>	Combine two still images into one

## Panorama Images

Panorama Image Effects:

<b>Near View</b>	Best suited for close-up shots
<b>Document</b>	Use for images with text
<b>Standard</b>	Apply to other images

- 1 → *Pictures etc.* →
- 2 *Pictures* → → **Select image** →
- 3 → *Edit* →
- 4 *Composite* →

## 5 Merge Panorama →



- File selected in is set as left image.

## 6 <Empty> → → **Select image** →

## 7 EFFECT → → **Select effect** →

- Editing is complete.

## 8 When finished,

- Merged image appears.

## 9

## 10 Enter name → → *Save here* →

### Changing Images

After , select image → → →

Select image →

### Switching Image Positions

After ,



## Advanced

- Combining reduced images (P.6-16)

## Printing Images

### Digital Print Order Format (DPOF)

Select images from Memory Card and specify the number of copies to print on DPOF-compatible printers, or at digital printing services.

DPOF settings made on other devices are unusable; delete existing settings to create new ones on handset.

- 1 → **Settings** → → → **Phone**
- 2 **Memory Card** → → **DPOF** →
- 3 **Num. of Copies** →
- 4 **SelectPicEach** → → **Select folder** →

### 5 Select image →



### 6 Enter a number of copies to print →

- For more settings, repeat - .

### 7

#### Applying a Number to All Images

In 4, **SelectAllPics** → → Enter a number of copies to print →

#### Canceling Specified Number

In 6, enter **00** → →

#### Viewing Current Print Settings

In 6, **Check Settings** →

### Using Printers

Connect handset to a Bluetooth®-compatible printer and print images in Pictures folder.

- Activate Bluetooth® on the printer.
- Some images may not be sent depending on file type and size.

- 1 → **Pictures etc.** → → **Pictures** →
- 2 Select image → → **Print** →
- 3 **Via Bluetooth** → → **Select printer** →
- 4 **Yes** →
  - To cancel, press .

#### When Authorization Code is Required

Enter Authorization Code →

6

Camera &amp; Imaging

### Advanced

- Changing print settings (P.6-16)



## Photo Camera & Video Camera

### General

Opening Help	In Photo/Video Viewfinder, <b>Help</b> <ul style="list-style-type: none"> <li>Press  to toggle Help window for key assignments and indicator descriptions.</li> </ul>
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### Capturing

Adjusting brightness	In Photo/Video Viewfinder, <b>Shooting Settings</b> or <b>Record Settings</b> <b>Exposure</b> <b>Adjust level</b>
Adjusting focus quickly for close-up shots	In Photo/Video Viewfinder, <b>Shooting Settings</b> or <b>Record Settings</b> <b>Focus Setting</b> <b>Macro</b>
Changing Mobile Light mode	In Photo/Video Viewfinder, <b>Mobile Light</b> <b>Select option</b> <ul style="list-style-type: none"> <li>Mobile Light goes out automatically after ten minutes. Reactivate mobile camera to re-illuminate it.</li> <li>Do not shine Mobile Light in eyes.</li> </ul>
Adjusting focus manually	In Photo/Video Viewfinder, <b>Shooting Settings</b> or <b>Record Settings</b> <b>Focus Setting</b> <b>Manual Focus</b> <b>Adjust focus</b> <ul style="list-style-type: none"> <li>To readjust focus, press .</li> </ul>
Locking focus	In Photo/Video Viewfinder, <ul style="list-style-type: none"> <li>Frame subject in center of Display first.</li> <li>To start over, press  again.</li> </ul>
Changing image quality	In Photo/Video Viewfinder, <b>Picture Quality</b> or <b>Video Quality</b> <b>Select quality</b>

### Saving

Activating automatic saving	In Photo/Video Viewfinder, <b>Settings</b> <b>Auto Save</b> <b>On</b>
Changing save location	In Photo/Video Viewfinder, <b>Settings</b> <b>Save Pictures to or Save Videos to</b> <b>Select option</b>

## Photo Camera

### General

Changing shutter click sound	In Photo Viewfinder, <b>Settings</b> <b>Shutter Sound</b> <b>Select pattern</b> <ul style="list-style-type: none"> <li>Shutter click sounds for continuous shooting and panorama/scanner image capture are fixed.</li> </ul>
Hiding indicators	In Photo Viewfinder, <b>Settings</b> <b>Display Icons</b> <b>Icon Off</b>
Selecting send option assigned to	In Photo Viewfinder, <b>Settings</b> <b>Set Send Key</b> <b>Short Press</b> or <b>Long Press</b> <b>Select option</b> <ul style="list-style-type: none"> <li>Select send option separately for each key press method.</li> </ul>
Releasing shutter remotely with a Bluetooth® watch	In Photo Viewfinder, <b>press the corresponding button on Bluetooth® watch</b> <ul style="list-style-type: none"> <li>Connect handset to a Bluetooth® watch and set Set Remote Shutter to <b>On</b> beforehand. For details, see the Bluetooth® watch guide.</li> </ul>
Disabling remote shutter control via Bluetooth® watches	In Photo Viewfinder, <b>Settings</b> <b>Set Remote Shutter</b> <b>Off</b> <ul style="list-style-type: none"> <li>Available when a Bluetooth® watch is registered.</li> </ul>
Changing focus frame design	In Photo Viewfinder, <b>Shooting Settings</b> <b>Focus Setting</b> <b>Focus Mark</b> <b>Select pattern</b>



## Capturing

Changing image size	In Photo Viewfinder, $\rightarrow$ <i>Picture Size</i> $\rightarrow$
Changing mode according to lighting or subject	In Photo Viewfinder, $\rightarrow$ <i>Scene</i> $\rightarrow$
Adjusting image color to lighting conditions	In Photo Viewfinder, $\rightarrow$ <i>Shooting Settings</i> $\rightarrow$ $\rightarrow$ <i>White Balance</i> $\rightarrow$ $\rightarrow$ Select mode $\rightarrow$

## Panorama/Scanner

Changing panorama/scanner settings	<b>Start Here</b> In Photo Viewfinder, $\rightarrow$ <i>Settings</i> $\rightarrow$ $\rightarrow$ <i>Panorama Settings</i> $\rightarrow$ $\rightarrow$ See below
	<b>Hiding Guides</b> <i>Assisting Lines</i> $\rightarrow$ $\rightarrow$ <i>Off</i> $\rightarrow$
	<b>Locking Display Brightness during Image Capture</b> <i>AE-Lock</i> $\rightarrow$ $\rightarrow$ <i>Enable</i> $\rightarrow$
Changing panorama/scanner image preview method	After panorama/scanner image capture, <i>Preview</i> $\rightarrow$ $\rightarrow$ $\rightarrow$ <i>Manual Scroll or Full Image</i> $\rightarrow$

## Video Camera

### Recording

Changing recording time/size	In Video Viewfinder, $\rightarrow$ <i>Record Time/Size</i> $\rightarrow$ $\rightarrow$ <i>For Message or Extended</i> $\rightarrow$ $\rightarrow$ Select size $\rightarrow$
Enlarging Viewfinder size	In Video Viewfinder, $\rightarrow$ <i>Display Size</i> $\rightarrow$ $\rightarrow$ <i>Enlarge</i> $\rightarrow$

Recording video without sound	In Video Viewfinder, $\rightarrow$ <i>Microphone</i> $\rightarrow$ $\rightarrow$ <i>Off</i> $\rightarrow$
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## Editing Images

### Picture Editor

Using additional editing options	<b>Start Here</b> $\rightarrow$ <i>Pictures etc.</i> $\rightarrow$ $\rightarrow$ <i>Pictures</i> $\rightarrow$ $\rightarrow$ Select file $\rightarrow$ $\rightarrow$ $\rightarrow$ <i>Edit</i> $\rightarrow$ $\rightarrow$ <i>Picture Editor</i> $\rightarrow$ $\rightarrow$ See below
	<b>Changing Text/Outline Color</b> <i>Paste</i> $\rightarrow$ $\rightarrow$ $\rightarrow$ Select text color $\rightarrow$ $\rightarrow$ $\rightarrow$ Select outline color $\rightarrow$ $\rightarrow$
	<b>Adding Text</b> <i>Paste</i> $\rightarrow$ $\rightarrow$ <i>Free Text</i> $\rightarrow$ $\rightarrow$ Enter text $\rightarrow$ $\rightarrow$ $\rightarrow$ Move text $\rightarrow$
	<b>Adding Dates</b> <i>Paste</i> $\rightarrow$ $\rightarrow$ <i>Date</i> $\rightarrow$ $\rightarrow$ $\rightarrow$ Move date $\rightarrow$
	<b>Adding Stamps</b> <i>Stamp</i> $\rightarrow$ $\rightarrow$ Select stamp $\rightarrow$ $\rightarrow$ $\rightarrow$ Move stamp $\rightarrow$
	<b>Correcting Image Parameters</b> <i>Correction</i> $\rightarrow$ $\rightarrow$ Select type $\rightarrow$ $\rightarrow$
	<b>Rotating Images</b> <i>Rotate</i> $\rightarrow$ $\rightarrow$ Select type $\rightarrow$ $\rightarrow$
	<b>Converting File Format</b> <i>File Format</i> $\rightarrow$ $\rightarrow$ <i>File Format</i> $\rightarrow$ $\rightarrow$ Select format $\rightarrow$
	<ul style="list-style-type: none"> <li>Changing file format may affect file size/image quality.</li> <li>To return to Picture Editor menu, press  .</li> </ul>



## Using additional editing options

[Start Here] ● → Pictures etc. ● → Pictures ● → Select file ● → [↔] ● → Edit ● → Picture Editor ● → See below

## Changing File Size

File Format ● → File Size ● → Select size ●

- Changing file size may affect image quality.
- To return to Picture Editor menu, press [R2].

## Composite

## Combining reduced images

[Start Here] ● → Pictures etc. ● → Pictures ● → Select file ● → [↔] ● → Edit ● → Composite ● → See below

## Creating Split Picture

SplitPicture 240x400 or SplitPicture 240x320 ●

● → <Empty> ● → Select file ● ●

When finished, [Y] ● → Enter name ● ● → Save here ●

- Repeat from selecting <Empty> as needed.

## Previewing Split Picture

While creating Split Picture, [↔] ● → View Composite ●

## Changing Images

While creating Split Picture, select image ● ● → [↔] ● → Select another ●

## Deleting Images

While creating Split Picture, select image ● ● → [↔] ● → Remove ● ● → Yes ●

## DPOF

## Changing print settings

[Start Here] ● → Settings ● → [Phone/Email] ● → Memory Card ● → DPOF ● → See below

## Adding Dates to Prints

Settings ● ● → Add Date ● ● → On ●

## Creating an Index Print

Settings ● ● → Index Print ● ● → On ●

## Resetting

Reset Settings ● ● → Yes ●





## Mobile Camera



### Mobile camera won't activate/ shuts down automatically

- Battery may be low. Charge battery or install a charged battery.



### Cannot use Auto Save

- Auto Save is not available when Save Pictures to is set to **Ask Each Time**.

## Editing Images



### Cannot save/send edited images

- Edited images may be too large to save or send via mail.

## DPOF



### Cannot specify print settings properly

- If Memory Card image files have been deleted or renamed on PCs or other devices, reset print settings and start over with settings.

