Polaroid

12.0 Megapixel Digital Camera t1235

User Guide

Table of Contents

1 Preface

• **About this Manual**
This manual is designed to assist you in using your new digital camera. All information presented is as accurate as possible but is subject to change without notice.

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Federal Communications Commission (FCC) Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

• This device may not cause harmful interference.
• This device must accept any interference received, including interference that may cause undersired operation.

Trademark Recognition

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• **Safety and Handling Precautions**

Camera Information

• Do not take apart or attempt to service the camera yourself.
• Do not expose the camera to moisture, or extreme temperatures.
• Allow the camera to warm up when moving from cold to warm temperatures.
• Do not touch the camera lens.
• Do not expose the lens to direct sunlight for extended periods.
• Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.

Battery Information

- Turn off the camera before installing or removing the battery.
- Use only the provided batteries or type of battery and charger that came with your camera. Using other types of battery or charger may damage the equipment and invalidate the warranty.
- When using Li-ion battery in this product, ensure that they are inserted correctly. Inserting the battery upside down can cause damage to the product and possibly cause an explosion.
- When the camera is used for an extended period of time, it is normal for the camera body to feel warm.
- Download all pictures and remove the battery from the camera if you are going to store the camera for a long period of time.
- The type of battery and the battery power level may cause the lens to be stuck up. Ensure you use the correct battery type and use a fully charged battery.

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2 Introduction

Congratulations on the purchase of your new Polaroid digital camera. This manual provides step-by-step instructions on how to use your camera, and is intended for your reference only.

• Camera Features

- 12 mega pixels resolution
- Up to 3x optical zoom and 5x digital zoom
- 1/2.3 inch CCD image sensor
- 3 inch color touch screen LCD monitor
- 32MB internal flash memory with optional external SD/SDHC card
- Supports up to 4GB of SD card, and up to 16GB of SDHC card
- Sleek metallic finish
- Easy-to-use button interface
- DCF, DPOF, PictBridge compatibility
- Slideshow feature to review your pictures and movies
- A/V output to view your pictures and movies on your TV
- USB port to transfer photos and movies to your PC

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• Package Contents

Please check the contents of your camera package. It should contain:

Digital Camera
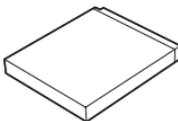
Li-ion battery

Battery charger

Wrist strap

USB cable
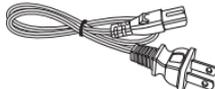
Power cord

CD-ROM

Quick start guide

AV cable

- **Camera Views**

Shutter button

Image Stabilizer button

Power button

Flash

Self-timer LED/AF Assist Lamp

◇Polaroid

12.0 MEGAPIXELS

Polaroid 3x Zoom Lens

f=6.3-18.9mm f=3.1-5.9

t1235

Zoom lens

Microphone

Operation LED

Zoom buttons

Wrist strap retainer

Play button

Display button

LCD touchscreen

Speaker

Tripod socket

USB/TV-out Port

Battery/SD card door
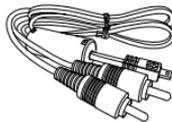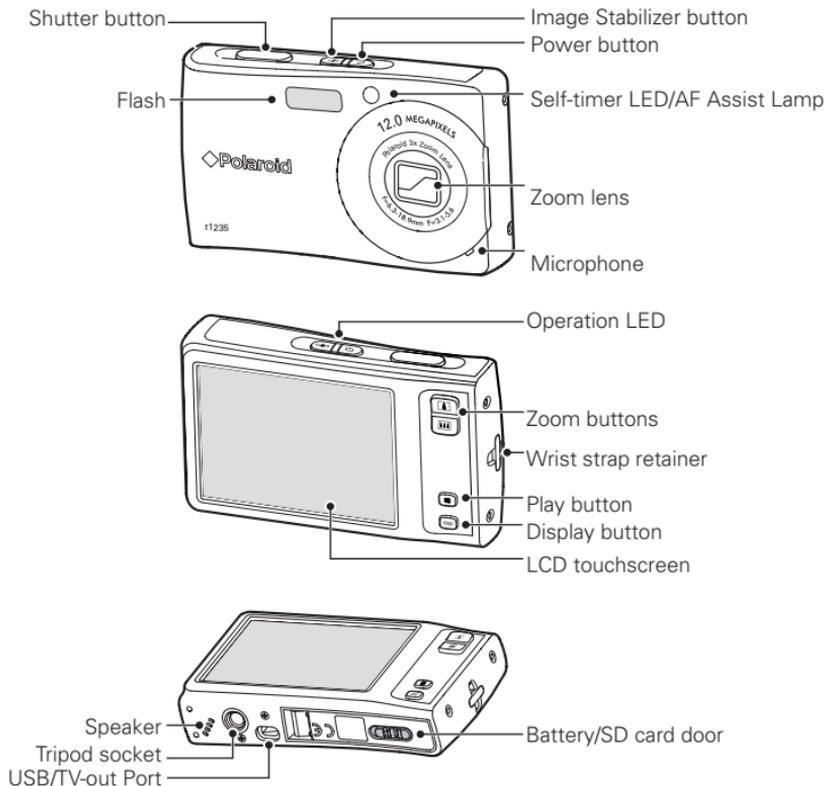
• **Camera Buttons**

Your camera is equipped with different buttons for ease of use.

Button	Description
Power ⏻	Press to turn on/off the power.
Image Stabilizer ((🖐))	The image stabilizer sets the optimal ISO value according to light levels to compensate for camera shake. Press to set stabilizer on/off.
Shutter	Press to capture an image or start/stop recording a video or audio clip.
Playback ▶	If the camera is turned off, press and hold for 0.3 seconds to turn on camera in Playback mode. If the camera is turned on, press to toggle camera to Playback or Record mode.
Zoom 🔍/📷	Press the zoom buttons to change zoom focus.
Display **DISP**	Press to change LCD screen display to show OSD icons and guide lines.

• **Notifications**

Your camera gives feedback to users in two ways:
• LED Indicators
• Operation Sound

Led Indicators

Your camera is equipped with 2 LED
indicators:

Operation LED

Self-timer LED
/AF Assist Lamp

Operation LED

LED Status	Camera Status
Off	Power Off .
Green (steady)	Power On. Ready to take pictures / record / playback.
Green (fast blinking)	Camera busy or deleting / copying images / recording / data transfer is in progress.
Green (slow blinking)	Data transfer is in progress.
Amber (steady)	Power saving (sleep mode).
Amber (very fast blinking)	In Record mode, flash is charging or AF error. In Playback mode, self-timer countdown error.
Amber (fast blinking)	Battery low or card error.
Amber (slow blinking)	Error message: card locked, file / folder error, no memory card, copy / format error.

Self-timer LED

LED Status	Camera Status
Off	Self-timer off.
Red (fast blinking)	Self timer countdown is set between 3 to 10 seconds.
Red (slow blinking)	Self-timer countdown is set between 0 to 3 seconds.

Operation Sound

Your camera is equipped with a speaker to provide feedback to you.

Buzzer	Camera Status
One beep	Denotes the start of an operation like recording and printing. Also beeps when using menu and setting properties.
Two beeps	Denotes completion of an operation.
Three beeps	Denotes low battery and other warning or error message like memory full or card error.
Continuous beep	Beeps every second for countdown if self-timer is set between 3 to 10 seconds. Beeps every half second if self-timer is set between 0 to 3 seconds. Beep goes off when self timer is complete.
Shutter sound	The shutter is pressed to record an image.

• **Camera Memory**

Internal memory

Your camera is equipped with 32MB of internal memory. Users can store images up to 10MB. If there is no memory card inserted in the memory card slot, all images, videos and audio clips recorded are automatically stored in the internal memory.

External storage

Your camera supports SD cards of up to 4GB in size. It also supports SDHC card with a maximum capacity of 16GB. If there is a storage card inserted in the memory slot, the camera automatically saves all images, videos and audio clips in the external storage card.

📋 **NOTE:**
* Not all cards may be compatible with your camera. When purchasing a card, please check the card's specifications and take the camera with you.

3 Getting Started

• Attaching the Wrist Strap
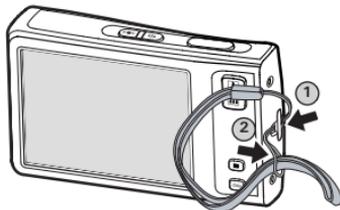
• Inserting the Battery

Follow these instructions to insert the Li-ion battery into the battery compartment. Please read "Battery Information" on page 9 before inserting/removing the battery.

1. Slide the locking tab on the battery/SD card door in the direction of the arrow and flip the door open.
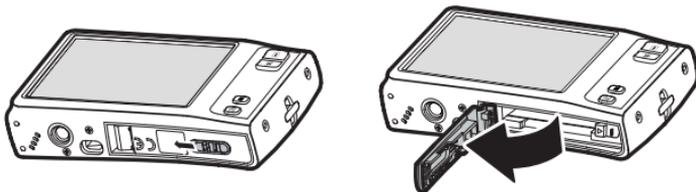
2. Insert the battery into the compartment as shown with the terminals and the battery indent facing next to the battery/SD card door.
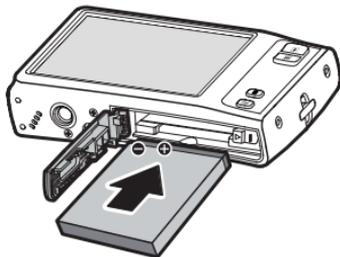
3. Flip the door back into place as shown in the illustration and slide the locking tab in the direction of the arrow.
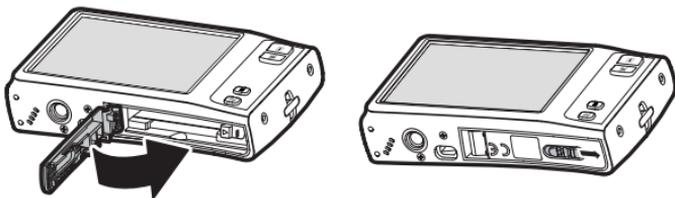
• Inserting an SD/SDHC Memory Card
Expand your camera's storage by using SD or SDHC memory cards. Your camera supports SD cards of up to 4GB and SDHC cards of up to 16GB in size.

Follow these instructions to insert the SD/SDHC card.
1. Make sure the power is off before inserting a SD/SDHC memory card.
2. Slide the locking tab on the battery/SD card door in the direction of the arrow and flip the door open.
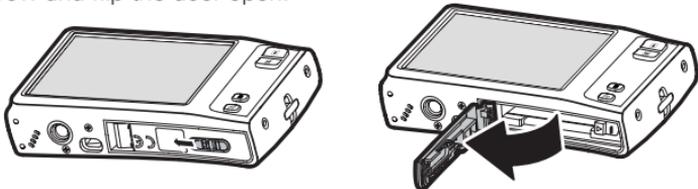
3. Insert the SD/SDHC card into the memory card slot label side up.
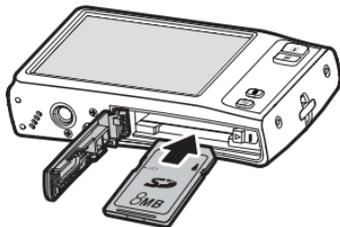
4. Push the SD/SDHC card into the memory slot until it clicks into place.
5. Flip the door back into place as shown in the illustration and slide the locking tab in the direction of the arrow.
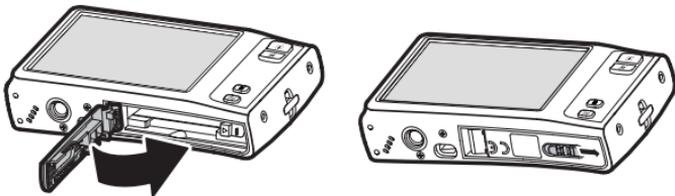
To remove the SD/SDHC card, gently push the card inward with your finger and release it. Pull out the card carefully.
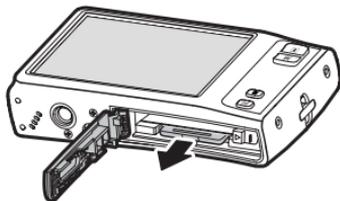
• Charging the Battery

The battery that comes along with your camera is not charged. You need to charge the battery before using the camera.

1. Insert the battery into the battery charger as shown.
2. Connect the power cord to the battery charger.
3. Plug the power cord to the main outlet.

The battery charging time is about 2 hours.
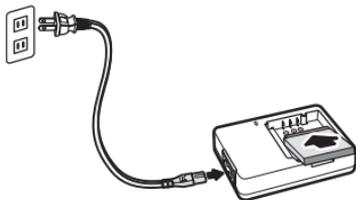
The charger LED is in orange, indicating the charging in progress. The charger LED turns green when battery is fully charged.

• **Turning the Power On and Off**

Power button

There are two ways to turn on the camera:

- • **Press and hold the Power button.** The start up image displays briefly and the startup sound plays if enabled. The zoom lens extends and the camera is turned on in the Record mode.

- • **Press and hold the Playback button.** The camera is turned on in Playback mode. The zoom lens is not extended.

Playback button

To turn off the camera, press the Power button. See "Modes" on page 22 to know more about Record and Playback mode.
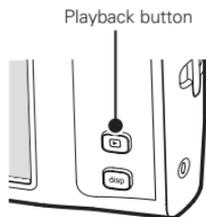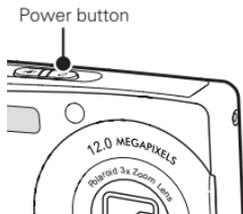
• **Initial Settings**
When you turn on your camera for the first time, you will be asked to set the Language and Date.

Setting the Language

1. Touch ▲ or ▼ to move through the selection.
2. Touch to select your language.

Setting the Date & Time

1. Touch the screen to move through date and time.
2. Touch ▲ or ▼ to change the value of date and time.
3. Touch **SET** to apply.

Now, you are ready to start taking photos and videos.

NOTE:
- Holding down ▲ or ▼ changes the values continuously.
- If the battery is removed for more than 48 hours, the Date & Time will have to be reset.

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• **Modes**

Your camera has two modes:

Record mode

- Set to the Record mode to capture still images, record videos and audio clips.
- The Record mode has other setting. For instance:
    - **Snapshot mode**. Use this mode to capture still images. Other scene modes can be selected in Snapshot mode.
    - **Camcorder mode.** Use this mode to record video.
    - **Voice Recorder mode.** Use this mode to record voice clips.

See "Selecting the Record mode options" on page 23.

Playback mode

- Set your camera to Playback mode to view and edit captured images and playback videos and audio clips. You can also attach voice memo to still images in this mode.

When you turn on your camera using the Power button, you are automatically in the Record mode.

Switching between Record mode and Playback Mode
Press the Playback button to switch between Record and Playback modes.

Selecting the Record mode options section

Maximize the quality and ease of use of your camera by using the different mode options. The mode options allow you to capture images with preset settings according to scene conditions.

1. Set the camera to Record mode.
2. Touch 🔲 to launch Quick-Set Bar.
3. Touch P to launch Scene Mode submenu.
4. Touch to select scene.
5. Touch 🔲 to close menu.

📝 **NOTE:**
Scene mode icon may vary depending on the current mode. For more information, see "Setting Snapshot Menu" on page 45.

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4 Using the LCD Screen

The high resolution 3" touch screen LCD screen shows important information regarding your cameras' settings as well as the visual image of your photo or video. The display on the LCD screen is called the On Screen Display or OSD.

• LCD Screen Layout
The following illustrations shows the LCD screen layout and icon descriptions.

Record Mode Screen Layout

No.	Item	Description
1	Record Mode	Indicates the current record mode settings.
2	Flash	Indicates flash settings.
3	Focus Mode	Indicates focus mode settings.

No.	Item	Description
4	Self-timer / Burst	Indicates drive mode settings.
5	Image Stabilizer	Indicates Stabilizer function is on.
6	Zoom indicator	Displays zoom.
7	Shots available	Indicates the remaining shots available.
8	Resolution	Displays resolution settings.
9	Quality	Displays quality settings.
10	Focus frame	Use to frame subject to capture.
11	Exposure	Displays exposure settings.
12	Quick-Set Bar	Touch to activate Quick-Set Bar.
13	ISO	Displays ISO settings.
14	White Balance	Displays white balance settings.
15	Metering	Displays metering settings.
16	Histogram	Graphic display of ISO settings.
17	Battery	Indicates battery level.

Playback Mode Screen Layout

The Playback mode display varies depending on the type of file being viewed.

Playback mode display of still images:
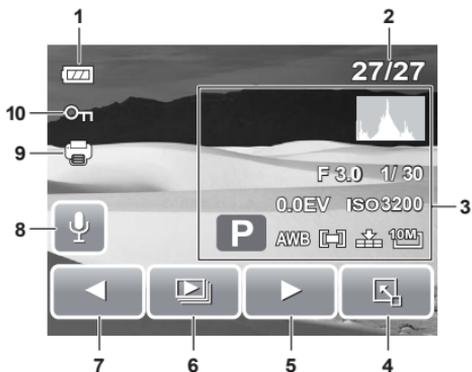
No.	Item	Description
1	Battery	Indicates battery level..
2.	File no. / Total no.	Indicates the file number over the total number of files in the memory.
3	Recording information	Displays recording information of the file.
4	Quick-Set Bar	Touch to activate Quick-Set Bar.
5	Next	Touch to display next file.
6	Slideshow	Touch to start slideshow.
7	Previous	Touch to display previous file.
8	Voice memo	Indicates voice memo is attached.
9	DPOF	Indicates the file is marked for printing.
10	Protect	Indicates the file is protected.

Playback mode of videos:

No.	Item	Description
1	Battery	Indicates the battery level.
2	File no. / Total no.	Indicates the file number over the total number of files in the storage card.
3	Movie clip	Indicates the file is a movie.
4	Quick-Set Bar	Touch to activate Quick-Set Bar.
5	Next	Touch to display next file.
6	Slideshow	Touch to activate slideshow.
7	Previous	Touch to display previous file.
8	Protect	Indicates the file is protected.
9	Volume	Adjusts and displays volume level.
10	Playback buttons	Touch buttons to play / pause / stop / fast forward / rewind movie.
11	Playing status	Displays playing status.
12	Played time	Indicates played time.

Playback mode of audio clips:
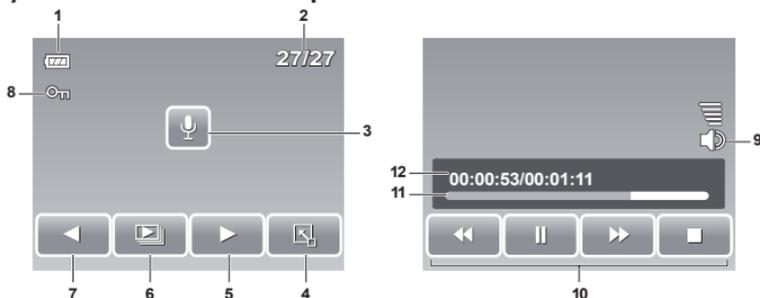
No.	Item	Description
1	Battery	Indicates the battery level.
2	File no. / Total no.	Indicates the file number over the total number of files in the storage card.
3	Voice memo	Indicates the file is an audio file
4	Quick-Set Bar	Touch to activate Quick-Set Bar.
5	Next	Touch to display next file.
6	Slideshow	Disabled slideshow icon. Available only in image/ video playback mode.
7	Previous	Touch to display previous file.
8	Protect	Indicates the file is protected.
9	Volume	Adjusts and displays volume level.
10	Playback buttons	Touch buttons to play / pause / stop / fast forward / rewind audio playback.
11	Playing status	Displays playing status.
12	Played time	Indicates played time.

Changing the LCD Screen Display

The type of information displayed on the LCD screen can be changed using the Display DISP button.

Press the Display button repeatedly to change the LCD display from one type to another.

In Record Mode, the LCD display can be changed into any of the following:

OSD on

Full OSD on

Guide lines on

OSD off

NOTE:
- The OSD information may vary depending on the record mode type.
- Use the "Guide lines" to properly align your image for capture.

In Playback mode, the LCD display can be changed into any of the following:

OSD on   Full OSD on   OSD off

NOTE:
LCD display cannot be changed for the following situations:
- Recording movie or audio clips
- Playing movie or audio clips
- Playing slideshow

• Using Quick-Set Bar
The Quick-Set Bar acts as a shortcut menu to adjust basic settings in Record and Playback Mode. The menu icons show the current settings for each function. The icons vary depending on the selected mode and its settings.

Touch 🔲 to launch Quick-Set Bar.

Touch 🔲 to close Quick-Set Bar.

Quick-Set Bar icon

Snapshot Mode

1 — P

2 — ⚡A **6** — 10M

3 — AF ISO AUTO

4 — 1 EV 0.0

5 — ▤ ⬐ — **7**
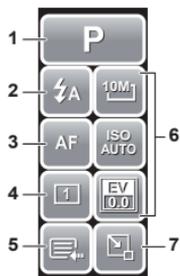
The Quick-Set Bar in Snapshot mode contains nine menu options, three of which are user-defined.

Availability of some menu functions vary depending on the scene mode selected.

Unavailable functions or functions with preset settings appear as grayed out icons.

No.	Menu Item	Description
1	Scene Mode	Touch to select scene mode.
2	Flash	Touch to change flash settings.
3	Focus Mode	Touch to change focus mode settings.
4	Drive Mode	Touch to change drive mode settings.
5	Main Menu	Touch to go to Snapshot and Settings Menu.
6	Hot Key	Touch to change settings of selected function. The three hot keys can be changed by the user. See "Setting Hot Key" on page 81.
7	Close	Touch to close Quick-Set Bar.

To enter the function submenu, touch the corresponding icon. For example, to access Flash mode submenu, touch Flash mode icon, the submenu options pop up. See illustration on the right.

To select option, touch the desired setting icon.

Touch ![icon] to exit submenu.

Camcorder Mode
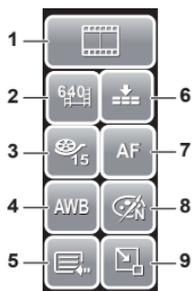
The Quick-Set Bar in Camcorder mode contains 9 menu options.

You can easily set basic video settings using the menu options here.

Functions with preset settings appear as grayed out icons. To activate the function submenu, touch the function icon.

To access other camcorder settings, touch the Main menu icon.

No.	Menu Item	Description
1	Scene Mode	Touch to select scene mode.
2	Movie Size	Touch to change size settings.
3	Frame Rate	Touch to change frame rate settings.
4	White Balance	Touch to adjust white balance.
5	Main Menu	Touch to go to Camcorder and Settings Menu.
6	Quality	Touch to change quality settings.
7	Drive Mode	Touch to change drive mode settings.
8	Effect	Touch to add effects.
9	Close	Touch to close Quick-Set Bar.

Voice Recorder Mode
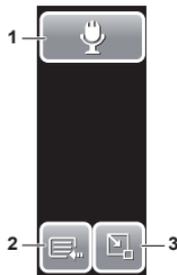
The Quick-Set Bar in Voice Recorder mode contains three menu options.

To access the settings menu, touch the Main Menu icon.

No.	Menu Item	Description
1	Scene Mode	Touch to select scene mode.
2	Main Menu	Touch to go to Settings Menu.
3	Close	Touch to close Quick-Set Bar.

Playback Mode
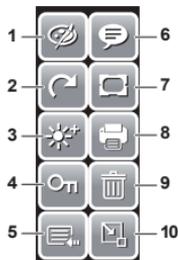
The Quick-Set Bar in Playback mode contains 10 menu options. Unavailable functions or functions with preset settings appear as grayed out icons.

To activate the function submenu, touch the function icon.

To access other playback settings, touch the Main Menu icon.

| No.	Menu Item	Description
1	Effect	Touch to add effects to image.
2	Rotate	Touch to rotate image.
3	D-Lighting	Touch to adjust D-lighting settings.
4	Protect	Touch to lock image.
5	Main Menu	Touch to go to Main Menu.
6	Add Memo	Touch to add a memo dialog to the image.
7	Photo Frame	Touch to add photo frame to image.
8	DPOF	Touch to mark image for printing.
9	Delete	Touch to delete image.
10	Close	Touch to close Quick-Set Bar.

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5 Recording Photos, Videos and Voices

• Taking Photos

Now that you are familiar with your camera, you are now ready to take your photos.

Taking photos with your camera is very simple.

1. Turn on the camera by pressing the Power button.

2. Frame your shot using the focus frame on the LCD screen.

3. Press the shutter button halfway down. The camera automatically adjusts the focus and exposure. When the camera is ready to take the photo, the focus frame turns green, the shutter speed and aperture value are displayed. (When the focus frame is in red and the operation LED blinks, the subject is not in focus. Release the shutter button, recompose the scene and press the shutter button halfway to reset the focus.)

4. Continue pressing the shutter button all the way down to capture your image.
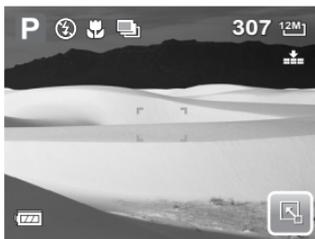
When the shake warning icon ⓜ appears, hold the camera steadily, with your arms at your side or use a tripod to stabilize the camera to prevent a blurry image. You may need to turn on the camera's flash to get a better picture.

• Using the Image Stabilizer

The Image Stabilizer function prevents blurred images caused by shaking. This function is only available if ISO is set to Auto. See "ISO" on page 47 on how to adjust the ISO settings.

To activate Stabilizer

Image Stabilizer button

• Press the Stabilizer button on top of your camera to enable/disable the stabilizer.

• Setting the Zoom Control

Your camera features up to 3x optical zoom and up to 5x of digital zoom. Optical zoom is achieved by mechanically adjusting the lens while digital zoom is activated through the menu settings. Please refer to "Setting Digital Zoom" on page 79 on how to setup digital zoom.

Press to zoom in.
Press to zoom out.

Zoom buttons

1. Press the Zoom buttons to zoom in or zoom out an image.
2. The zoom indicator appears on the LCD screen. W⬜⬜▪T
3. Keeping pressing the T button and the camera switches from optical zoom to digital zoom when it reaches the maximum optical zoom. W⬜⬜▪T

4. The zoom setting does not reset to wide angle after taking a picture. Use the W button to return to the wide angle setting if you want to take a normal size picture.

Optical zoom

Digital zoom
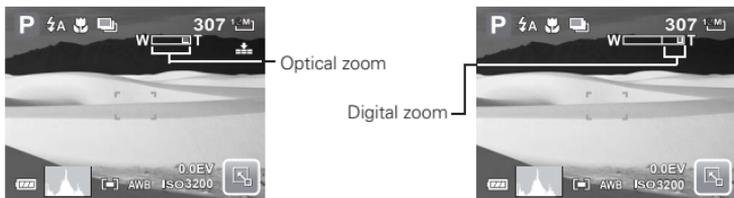
• **Setting Scene Mode**

Setting the Scene mode allows you to capture your images with preset settings according to the scene or environment.

1. Touch 🖼 > P to launch Scene Mode submenu.

2. Touch to select a desired scene.

NOTE:
The Scene Mode icon may vary depending on the current settings.

The following table shows the available scene mode settings.

Icon.	Item	Description
AUTO	Auto	The simplest way to shoot basic images. Settings are adjusted automatically.
P	Program	The camera automatically adjusts suitable shooting settings like shutter speed and aperture values.
📷	Intelligent Scene	The camera detects the shooting conditions and automatically switches to the appropriate scene mode.
👤	Portrait	The camera blurs the background to focus on the subject.
🏔	Landscape	This feature is used to emphasize wide scenic views.
🌅	Sunset	This feature enhances the red hue for capturing sunset images.
🎆	Backlight	This feature is used to capture the image of a backlight object by changing the camera's metering.
👶	Kids	This feature is used to capture still images of moving kids.
🌃	Night Scene	This feature is used to capture images with night scenery background.
🎆	Fireworks	This feature slows shutter speed to capture fireworks explosions.
❄	Snow	This feature is used for snow scenes.
🚴	Sports	This feature captures still images in high speed movements.

Icon.	Item	Description
🎈	Party	This feature is used for wedding or indoor party settings.
🕯	Candlelight	This feature is used to capture warm candle light effects.
🌃	Night Portrait	This feature is used to capture portrait pictures with night or dark background.
😊	Soft Skin	This feature enhances skin tone and facial skin appears smooth.
💧	Soft Flowing Water	This feature enhances smooth effects like water or silk.
🍴	Food	This feature is used to capture food images. The increased saturation in this mode makes the captured image more enticing.
🏢	Building	This feature enhances the edges of captured images.
✏	Text	This feature enhances the black and white contrast normally used when capturing text images.
🔨	Auction	Pictures taken in Auction mode are automatically saved under a specific folder named "_AUCT".
😊	Smile Detection	This feature uses smile tracking to automatically detect faces to capture. When smiles are detected, it continuously captures the image.
▥	Photo Stitch	Used for taking panoramic pictures
😵!	Blink Detection	This feature detects if the subject blinked an eye when the image is captured and gives the user an option whether to save it or not.
▭	Camcorder	This mode is used to record movie clips.
🎤	Voice Recorder	This mode is used to record audio clips.

Using Intelligent Scene Mode

With the Intelligent Scene Mode, the camera automatically detects the shootingconditions and switches to the appropriate scene and settings when aiming on a subject. This feature is most useful for novice users to capture great images even without basic knowledge of photography.

Intelligent scene icon.
After the camera detects the shooting conditions, this icon changes to show the detected scene mode.

To activate Intelligent Scene

1. Select 📷ᵢ from the Scene Mode submenu.
2. Focus the camera on the subject to capture.
3. The camera detects the shooting conditions and switches to an appropriate scene mod

Portrait Mode Icon
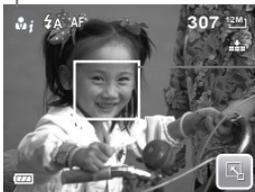
The camera displays a solid white frame when a face is detected.

4. Half press the shutter button to focus the subject. The frame turns green to indicate focus is set
5. Press the shutter button to take the shot

The table below shows the modes supported by Intelligent scene:

Icon.	Intelligent Scene Modes	Description
👩ᵢ	Portrait	This mode is set when a face is detected.
🌄ᵢ	Blacklight	This mode is set when a face is detected with an EV setting greater than 2.5.
🏔ᵢ	Landscape	This mode is set when: • There is no face detected. • The focus distance is more than 1.5 meters. • The EV setting is greater than 11 or 10.5.
🌷ᵢ	Macro	This mode is set when: • There is no face detected • The focus distance is within the macro range. This mode can only be detected when you half press the shutter button.
🌃ᵢ	Night Scene	This mode is set when: • There is no face detected. • The focus distance is more than 1.5 meters. • The EV setting is lower than 5 or 4.5.

Using Smile Detection Mode
The Smile Detection mode uses smile tracking to automatically capture images.Pressing the shutter button will enable the camera to take continuous shots whenever a smile is detected. This feature is most useful in capturing different angles and smiles of moving people. When capturing an image with more than one person, the camera detects the smile of the closest person on the center of the screen.

To activate Smile Detection
1. Select 😊 from the Scene Mode submenu.
2. Focus the camera on the subject to capture. A solid white frame appears when a face is detected.
3. Press the shutter button to start smile detection. The solid white frame

turns yellow when a face is detected and the smile detection icon blinks every second to denote camera activity.

Smile Detection Icon

Camera dislays frame when smile is detected.

4. When smile is detected, the camera focus on the subject and the yellow frame turns green. The camera will automatically take a shot of the image. It will continuously take shots whenever a smile is detected.
5. To stop shooting, press the shutter button again. The smile detection icon stops blinking to denote camera inactivity.

NOTE:
When capturing an image with several faces, face tracking function may take up more time tracking faces for the first time.

Using Blink Detection Mode
The Blink Detection mode tracks faces and determines captured image that contain subjects with blinked eyes. After shooting, when the camera detects that the subject blinked an eye, a menu selection appears to ask the user whether to save the image or not. This feature saves time in managing photos to be stored or deleted from the memory.

To activate Blink Detection
1. Select 😊! from the Scene Mode submenu.
2. Half press the shutter button to focus the subject. The frame turns green to indicate focus is set.

Blink Detection Icon — ☺! ⚡⊗ AF   307 12M

Detected faces are framed.

3. Press the shutter button to capture the image. The image is automatically saved unless the camera detects that the subject blinked an eye. In this case, the screen on the right is displayed.

Save this image ?

Yes

No

4. Select Yes to save or No to discard image.

Selecting the Photo Stitch Mode

This feature is used for shooting scenery. Use Photo Stitch to make your panoramic pictures or combine different scenes into one picture.

1. Select ▥▥▥ from Scene Mode submenu.
2. Focus the camera on the subject to capture.

• Using Flash

When taking pictures in difficult conditions, use the Flash to get correct exposure. This function is not available in recording movies or continuous shooting.

1. Touch ⬚ > Flash mode icon.
2. Touch your desired flash mode.

The flash is turned off
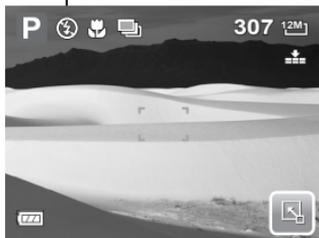
Your camera is equipped with six flash modes:

Icon.	Flash Mode	Description
⚡A	Auto flash	The flash fires automatically whenever extra lighting is needed.
⚡	Off	The flash is turned off.
⚡	Always on	The flash fires whenever you press the shutter button regardless of lighting conditions.
⚡ⓐ	Auto Red-eye	The flash fires twice to reduce the red-eye effect when necessary.
⚡◉	Red-eye reduction	The flash fires twice to reduce the red-eye effect.
⚡SL	Slow sync	The flash fires with a slow shutter speed.

• **Setting Snapshot Menu**

The Snapshot menu allows you to adjust other capture settings. Some menu functions may be disabled depending on current scene mode.

1. Touch 🖳 > 🗏 > 🗖.
2. Touch ▲ or ▼ to move to the next/ previous page of menu selection.
3. To select an item, touch the icon.
4. To change the submenu settings, touch the icon of the desired setting.
5. Touch 🡒 to exit submenu.

Indicates current page no. / total no. of menu page.

Resolution

The Resolution function is used to set the resolution before you capture the image. Changing the resolution affects the number of images that can be stored in your memory card. The higher the resolution, the more memory space is required.

The table below shows the resolution values for still images.

Icon	Pixel Size	Icon	Pixel Size
12M	4000 x 3000	3M	2048 x 1536
3:2	4000 x 2672	16:9 HD	1920 x 1080
8M	3264 x 2448	VGA	640 x 480
5M	2592 x 1944		

Quality

The Quality function lets you adjust the quality settings of your photos before you capture them. The quality determines the amount of compression applied to your photos. More compression results in a more detailed image. However, the higher the quality, the more memory space is required in your memory card.

Available settings for still images are as follows:

Super fine, Fine, and Normal.

ISO
The ISO function lets you adjust the ISO sensitivity in recording still images depending on the light level of your surroundings.

- Use a higher ISO setting in dim conditions and a lower ISO setting in brighter conditions.

- Available settings are: Auto, 80, 100, 200, 400, 800, 1600, and 3200.

📄 **NOTE:**
Higher ISO speeds may increase image noise or grain in your pictures. To get better images, use as low as an ISO speed as possible.

Metering

The Metering function lets you select the area of the subject or frame by which the camera measures light to record still images or movies.

Icon.	Item	Description
[■]	Multi	The camera measures the exposure readings from multiple points in the subject area.
[◉]	Center	The camera measures the average light from the entire frame but gives more importance to the values near the center.
[•]	Spot	The camera selects the exposure value based on the center of your picture.

White Balance

The White Balance function allows you to adjust the camera settings according to the type of lighting present when recording still images and movies.

• When you touch a selection, you can see the preview on the LCD screen at the same time.

- Touch **SET** to save and apply settings.

Icon.	Item	Description
AWB	Auto	The camera automatically adjusts the white balance.
☀	Daylight	Ideally used for bright sunny conditions.
☁	Cloudy	Ideally used for cloudy conditions.
☀	Tungsten	Ideally used for indoor photos with tungsten or halogen lighting without a flash.
☰	Fluorescent	Ideally used for indoor photos with fluorescent lighting conditions.
☞	Custom	Used to measure the white balance manually.
◎ WB	White Balance	Used when light source cannot be specified. When user touches this icon, ◎ WB icon appears

NOTE:
In most picture taking conditions the use of the Auto setting is recommended to provide the correct color balance your image.

Effect
The Effect function lets you record still images or movies and apply different colors or tones for a more artistic effect.
- Touch a selection to view the effect on the LCD screen.
- Touch **SET** to save and apply settings.
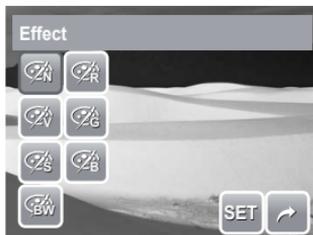
Icon.	Item	Description
🖼️N	Normal	The camera records normally.
🖼️V	Vivid	The camera captures the image with more contrast and saturation emphasizing on the bold colors.
🖼️S	Sepia	Images are captured in sepia tones.
🖼️BW	B&W	Images are captured in black and white.
🖼️R	Vivid Red	Captured image becomes reddish. Ideally used to record images like flowers and cars to make them more vivid.
🖼️G	Vivid Green	Captured image becomes greenish. Ideally used to record images like mountains and lawns to make them more vivid.
🖼️B	Vivid Blue	Captured image becomes bluish. Ideally used to record images like the sky and the ocean, to make them look more vivid.

AF Area

Automatic Focus (AF) determines the area on which the camera focuses.

The table below shows the available AF area settings.

AF Area

- ⛶ Center
- ⛶ Wide
- MF Manual

▲ ▼ 1/2 ↱

Icon.	Item	Description
⛶	Center	The focus area is fixed on the center.
⛶	Wide	The camera automatically selects focus area within the wide frame.
⛶	Manual	User manually determines the area of focus.

	Touch Shot	User manually determines the area of focus and take a shot by touching the focus frame on the screen.
	Face Tracking	The camera automatically detects the position of a face and sets the focus.

Using Manual and Touch Shot AF Area modes

When you exit the menu after selecting manual or touch shot mode, a yellow focus frame appears on the LCD screen.
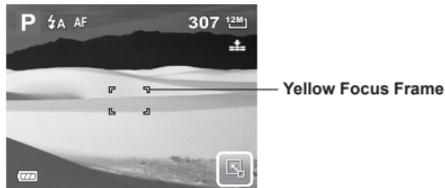
Yellow Focus Frame

1. Tap and hold the yellow focus frame to display the instruction frame.
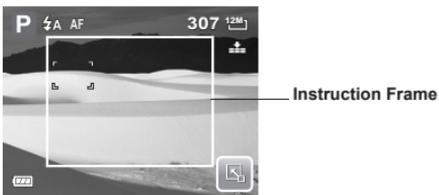
Instruction Frame

2. Drag the yellow focus frame within the instruction frame to manually choose
3. Capture the image.
• In Manual mode, release your finger then press the shutter button to capture image.
• In Touch Shot mode, release your finger, the camera automatically captures the image.

After capturing the image, the yellow focus frame remains on the position where your finger released it.

Flash Intensity

The Flash Intensity function allows users to adjust the intensity of flash to capture image with a brighter or dimmer lighting effect. The table below shows the available settings.

Icon.	Item	Description
⚡+	High	Captures image with brighter lighting.
⚡±	Normal	Normal lighting is applied.
⚡−	Low	Captures image with dimmer lighting.

EV Compensation

In difficult lighting condition, the auto exposure function of your camera may be misled into giving the wrong readings. Exposure Value (EV) function allows you to adjust the exposure value and correctly expose your images. Available for still images only.

- To adjust EV settings, touch ⚊ and ⊞, drag or touch the slider bar to increase decrease the value. As you adjust the settings, the LCD screen synchronously displays the image applying the EV settings.
- Touch **SET** to save and apply changes.
- The available settings are:+2.0EV, +1.7EV, +1.3EV, +1.0EV, +0.7EV, +0.3EV,0EV, -0.3EV, -0.7EV, -1.0EV, -1.3EV, -1.7EV, and -2.0EV.

Photo Frame

The Photo Frame function allows users to capture image enclosed in a frame for added effects.

To activate Photo Frame:

• Touch **On**.

• The LCD screen displays the frame. Touch the ◄ or ► to move through other frame selection.

• Press the shutter button to capture image with selected frame.

Sharpness

This function allows you to enhance or soften finer details of your photos. The table below shows the available Sharpness settings.

Icon.	Item	Description
◣	High	Sharpens the image.
◣	Normal	Normal sharpness.
◣	Low	Softens the image.

Saturation

The Saturation function lets you adjust the color saturation in your photos. Use a higher saturation setting for rich colors and a lower saturation setting for more natural tones.

The table below shows the available Saturation settings.

Icon.	Item	Description
♦ +	High	Enhances saturation.
♦ ±	Normal	Normal saturation is applied.
♦ −	Low	Reduces saturation.

Contrast

This function allows you to adjust the contrast of your photos.
The table below shows the available contrast settings.

Icon.	Item	Description
◑ +	High	Enhances the contrast.
◑ ±	Normal	Normal contrast.
◑ −	Low	Reduces the contrast.

Date Stamp

The Date Stamp function allows you to add the recorded date and time they were taken on your photos.

The recorded date and time are based on your camera's clock settings. Once date and time are stamped on a photo, they can no longer be edited or deleted.

Limitations of Date Stamp functions are as follows:
• Available for still images only.
• May slowdown AEB/ continuous shooting when Date Stamp is enabled in AEB/ Burst mode.
• If Date Stamp is enabled, digital zoom is automatically turned off.
• In vertical or rotated images, the date and time on your photos still appear horizontally.

Available settings are: ▭ Date, 🅐 Date & Time, OFF Off.

Focus Mode

This function allows users to define the type of focus to capture image. The table below shows the available settings.

Icon.	Item	Description
AF	Auto Focus	Camera automatically focuses on a specific object.
♣	Macro	Camera focuses on the detail and sharpness of a very close image. If Macro is enabled, the macro icon is displayed on the LCD screen.
PF	Pan Focus	Camera focuses on every object.
INF	Infinity	Camera focuses on distant objects.

Drive Mode

Your camera features a Self-timer and Burst which can be set in the Drive mode function. The Self-timer allows you to take photos after a pre-defined delay. While burst lets you take consecutive shots. This function is only available in recording still images. The Drive mode setting is automatically set to off when you turn off the camera.

The table below shows the available Drive mode settings.

Icon.	Item	Description
1	Off	Captures an image without time delay.
ⓧ₀	10 Sec Self-timer	Sets a 10-second delay to capture image after pressing the shutter button.
ⓧ₂	2 Sec Self-timer	Sets a 2-second delay to capture image after pressing the shutter button.
⬒	Burst	Performs continuous shooting when the shutter button is pressed. Stop shooting when the shutter button is released.

	AEB	Automatic Exposure Bracketing (AEB) captures the same image with three different exposure settings: standard, under, and over exposure.
	Speed Burst	Perform 12 continuous shooting when the shutter button is pressed.

AF Lamp

The AF Lamp function allows you to record images even in low light conditions.

If AF Lamp is set to Auto, the AF lamp located in the front of the camera emits a red light by half pressing the shutter button allowing the camera to focus easily. Available settings are: [Auto] and [Off].

AF Lamp

AF✳ **Auto**
OFF **Off**

1/1
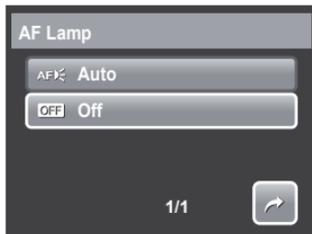
• **Recording Movies**

You can record movies with the camera, the available recording time depends on the capacity of the memory card. Videos can be recorded until the maximum memory capacity has been reached. However the length of a single video may be limited depending on the camera model.

1. To select Camcorder mode, touch 🎦 from Scene Mode menu.
2. Focus your camera on the subject that you want to take.
3. Press the Shutter button to start recording.
4. Use the 🎚 control to zoom in and zoom out an image.
5. To stop recording, press the Shutter button.

00:10:00

W ━━━ T

  • Sound cannot be recorded while pressing the 🔘 control.
  • When the maximum capacity for a single video has been reached, simply press the shutter button again to continue recording.
  • The camera will automatically stop recording when the memory capacity is full.

Camera Settings to Record Movies

Use the Quick-Set Bar to change camera video settings. The Quick-Set Bar contains shortcuts to the following menu items: Movie Size, Quality, Frame Rate, Drive Mode, White Balance Effect, and Main Menu. Touch an icon to open the submenu.

Use the Camcorder Menu to change other settings like: Effect, Sharpness, Saturation, Contrast and Focus Mode. To access Camcorder menu, touch 🔲 to open Main Menu from the Quick-Set Bar. Then touch 📹.

Movie Size	📹
Quality	📷
Frame Rate	🎬
White Balance	AWB
1/3	
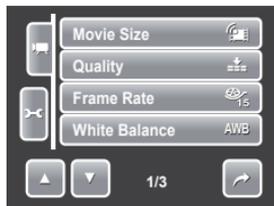
Setting Movie Size
The Movie Size function icon appears only in Movie Mode. Use this function to adjust the resolution and quality of movie clips.
Illustration
The table below shows the available size and corresponding image quality settings.

Icon.	Frame Size	Description
640	640X 480	High Quality
16:9	848 X 480	High Definition Picture Quality
320	320 X 240	Normal
	640 X 480	YouTube Mode

YouTube Mode
YouTube Mode allows you to record movies with predefined video settings for easy upload to the YouTube website.

YouTube supports two file upload standards:
• Single File Uploader. The maximum movie file size is up to 100 MB.
• YouTube Uploader. The maximum movie file size is up to 1 GB.
Most uploaded movie length ranges within 5 minutes, although you can upload a maximum movie length of 10 minutes.

Therefore when you record using the YouTube mode, the following standards are followed:
• Recorded movies are set to YouTube standard resolution of 640 X 480.
• Recording automatically stops when the file reaches 100 MB.

Recorded movies in the YouTube mode are stored following the DCF rule, however movies are saved in a specific folder named "_UTUBE". For more details, please refer to "Folder Structure" on page 90.

• To record a YouTube movie, select from the Movie Size function.

Available recording time for a YouTube movie is up to 10 minutes.

Setting Frame Rate

Frame Rate function appears only in Camcorder mode. Use this function to specify the number of frames to capture per second (fps). The higher the frame rate value, the smoother the movie playback will be.

To set frame rate, touch 🔲 to activate Quick-Set Bar. Touch the frame rate icon, then select option.

Available settings are: 🐌₁₅ 15fps, and 🐌₃₀ 30fps.

Setting White Balance

To set white balance, tap 🔲 to activate Quick-Set Bar. Tap AWB to display the white balance screen.

Setting Quality

The quality determines the amount of compression applied to the movie. More compression results in a more detailed image. However, the higher the quality, the more memory space is required in your memory card.

To set the quality, tap 🔲 to activate Quick-Set Bar. Tap the quality icon, then select an option.

Available settings are: Super fine, Fine, and Normal.

Setting Focus Mode

This function allows users to define the type of focus when recording movies.
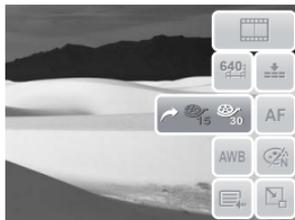
To set focus mode, tap 🔲 to activate Quick-Set Bar. Tap the focus mode icon, then select option.
The table below shows the available settings.

Icon.	Item	Description
AF	Auto Focus	Camera automatically focuses on a specific object.
🌷	Macro	Camera focuses on the detail and sharpness of a very close image. If Macro is enabled, the macro icon is displayed on the LCD screen.
PF	Pan Focus	Camera focuses on every object.
INF	Infinity	Camera focuses on distant objects.

Setting Effect
To set an effect, tap 🔲 to activate Quick-Set Bar. Tap 🖾 to display the effect screen.

• **Recording Voices**

1. To select Voice Recording mode, touch 🎤 from Scene Mode menu. The voice Recording Quick-Set Bar is displayed on the LCD screen.
1. Press the Shutter button to close the Quick-Set Bar and display the Ready torecord screen. See picture on the right.
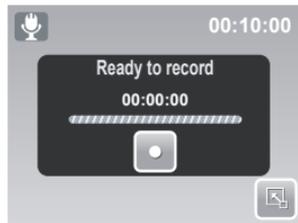
3. Touch 🔘 or press the Shutter button to start recording.
4. Touch ⬜ or press the Shutter button to stop recording.

📋 **NOTE:**
Voice recording will automatically stop when the maximum memory capacity is full.

6 Playback

View images, videos and audio clips through your camera's Playback mode.

• Viewing in Single Navigation

The Single navigation mode displays the images one by one on the LCD monitor. To view images/videos/audio clips, follow the steps below.

1. Press the **Playback** ▶ button to set or turn on the camera to Playback mode.
2. The LCD screen displays an image. To understand the icons and other information on the screen, please see "Playback Mode Screen Layout" on page 25.

Still Image   Movie   Audio Clip

3. Touch ◄ or ► to view next/previous image/video/voice recording.
4. To access Quick-Set Bar, touch ▧.
5. To play a video or a voice recording, touch anywhere on the LCD screen. See "Playing Movies" on page 63 and "Playing Voice Recording" on page 64 for more details.

• Viewing Slideshow

The Slideshow function allows you to view all stored images/videos/voice recordings in still image format in a continuous sequence.

To view slideshow, touch ▣.

To stop slideshow, touch anywhere on the LCD screen.

• **Viewing in Drag & Play Mode**
1. Press the **W** button to view files in Drag & Play mode.
2. Touch and drag your finger to the left or right or touch ◄ or ► to change display to previous/next file.
3. Touch the image/video/voice recording to view/play it normally.

• **Viewing Thumbnails**
1. From single navigation mode, press the **W** button twice to view 12-image thumbnails.
2. Touch ◄ or ► to view next/previous page.
3. Touch a thumbnail to view it normally.

Thumbnail icons
When you view the thumbnails, some images may contain icons. These icons indicate the type of file or recording.

Icon.	Type	Description
🎤	Voice Memo	Indicates that a voice memo is attached to the image.
📷	Movie	Indicates a recorded movie. The displayed image is the first frame of the movie clip.

	Locked File	Indicates that the image has been locked. Locked files cannot be edited or deleted.
	Voice Record	Indicates a voice recording file.
	DPOF File	Indicates the file is marked for printing.
	File Error	Indicates an error file.

• Zooming Images
The zoom view function works with still images only.
In normal view, press the **T** button to activate zoom function, see picture below.

Shows zoom location
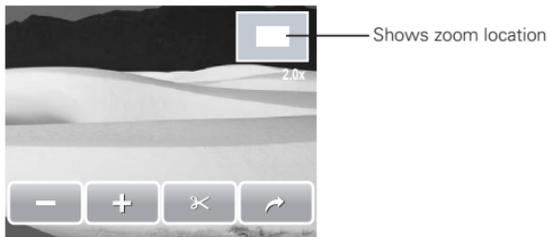
You can view an image from 1x to 12x. To achieve your desired view, press the **T** button repeated to increase the zoom. Press the **W** button to decrease the zoom.

You can also touch ⊟ or ⊞ to decrease/increase zoom.

To trim an image based on selected zoom view, touch ✂.

To exit zoom function, touch ↱.

• Trimming an Image

The Trim function allows you to trim an image to another image size. This function is only available for still images.

1. View the image to trim.
2. Press the **T** button to activate zoom function.
3. Press the **T/W** button or touch ➖ or ➕ repeatedly for the desired image view.
4. Touch ✂ to trim image.
5. Confirm trim, select whether to:
   • **Yes**. Save changes to a new file.
   • **No.** Discard changes.
   • **Overwrite**. Save and apply changes to the current file.

📋 **NOTE:**
Once an image is over written you cannot go back to the original image.

• Playing Movies

1. Select video to play. A video file has a video icon displayed on screen.
2. Touch anywhere on the LCD screen to play video.
3. During playback, touch anywhere on the LCD screen to display the video toolbar.
4. During playback, use the 📷 to control volume. Press the **T/W** button to increase/decrease volume.
5. Touch ◀◀ or ▶▶ or the slider bar to rewind or fast forward the movie.
6. Touch ‖ to pause playback. Touch ▶ to resume playback.
7. Touch ■ to stop playback. The LCD screen displays the movie frame image in Single navigation mode.

• **Playing Voice Recording**

1. Select the voice recording file to play.
2. Touch anywhere on the LCD screen to play recording.
3. During playback, use the 🔲 buttons to control volume. Press the **T/W** button to increase/decrease volume.
4. Touch ◀◀ or ▶▶ or the slide bar to rewind or fast forward the voice recording.
5. Touch ❙❙ to pause playback. Touch ▶ to resume playback.
6. Touch ■ to stop playback. The LCD screen displays the movie frame image in Single navigation mode.
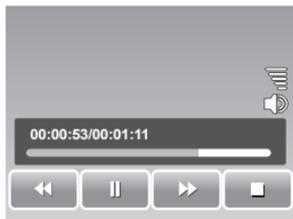
• **Playing Voice Memo**

Voice memo is recorded and attached separately to a captured image. See "Voice Memo" on page 74 on how to record voice memo.

1. Select the image with voice memo. An image file with voice memo has a voice memo icon located on the left side of the LCD screen.
2. Touch the voice memo icon to play voice memo.
3. During playback, use the 🔲 to control volume. Press the **T/W** button to increase/decrease volume.
4. Touch ◀◀ or ▶▶ or the slider bar

to rewind or fast forward the voice recording.

5. Touch [⏸] to pause playback. Touch [▶] to resume playback.

6. Touch [⏹] to stop playback. The LCD screen displays the movie frame image in Single navigation mode.

• Using My Drawing

My Drawing function lets you draw freely and add other graffiti on still images. This function is not available for images captured with VGA and 16:9 HD resolution.

1. View image to add drawings to.
2. Touch [⬚] > [✎]. The My Drawing toolbar is displayed on the LCD screen.
3. Touch on an icon to use the function. For example, to draw freely on the image, touch the pen icon.
4. Press Display button to hide the toolbar.

5. Start drawing on the image. See picture on the right.
6. When done, press Display button to display the toolbar.

7. Touch [💾] to save changes.
8. Select whether to:
   • **Yes.** Save changes to a new file.
   • **No**. Discard changes.
   • **Overwrite**. Save and apply changes to the current file.

Using My Drawing Toolbar
The toolbar icons may vary depending on the current function selected.

Icon.	Description	Icon	Description
✐	Touch to draw freely on the photo.	■	Touch to select color.
♟	Touch to stamp symbols on the photo.	↻	Touch to undo/redo last operation.
◢	Touch to erase drawings on the photo.	▯	Touch to reset all operations.
●	Touch to select pen stroke.	💾	Touch to save changes.
★	Touch to select stamp stroke.	↗	Touch to exit My Drawing function.

• Adding a Memo Dialog to an Image

The Add Memo function lets you add a memo dialog to a still image. This function is not available for images captured with VGA and 16:9 HD resolutions.

1. View the image to add memo dialog to.
2. Touch 🖳 > 💬. The My Drawing toolbar is displayed on the LCD screen.
3. Touch 🗒 to use add memo function. Touch ◯ to select dialog stroke.
4. Press **Display** button to hide the toolbar.

5. Touch on the LCD screen position to add memo dialog.
6. When done, press **Display** button to display the toolbar.

7. Touch 💾 to save changes.
8. Select whether to:
   - **Yes**. Save changes to a new file.
   - **No.** Discard changes.
   - **Overwrite.** Save and apply changes to the current file.

• Rotating Images

The Rotate function lets you change the orientation of a saved photo. This function in only available for still images. Rotated images are saved as the current file.

1. View the image to rotate.
2. Touch 🔲 > ↻.
3. Touch ↺ or ↻ to rotate image 90° counterclockwise / clockwise. Touch the icons repeatedly until desired orientation is achieved. The preview on the LCD screen changes at the same time.
4. Touch **SET** to apply and save changes.
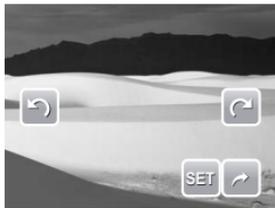
• Adding Photo Frame

For a more artistic effect, you can frame your still images using the Photo Frame function. This function is for still images only. However, photo frame is not available for images captured in 16:9 HD resolutions.

1. View the image you want to add photo frame to.
2. Touch 🔲 > ⬜. The framed image is displayed on the LCD screen.
3. Touch ◄ or ► to move through the photo frame selections.

4. Touch **SET** to add selected photo frame.

5. Select whether to:
   - **Save As**. Save image as a new file.
   - **No**. Discard changes.
   - **Overwrite.** Save and apply changes to the current file
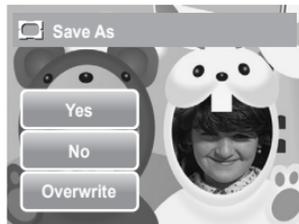
• Setting D-Lighting

The D-Lighting function allows you to manually adjust the exposure to compensate for inadequate lighting conditions. This function is only applicable for still images. The edited image can be saved as a new file.

1. View the file to adjust lighting.
2. Touch 🔲 > ☀.
3. Touch ➖ or ➕ or the slider bar to increase/decrease the value. As you adjust the settings, the LCD screen synchronously displays the image apply the new settings.
   - Available settings are: 0.0, 1.0, 2.0, 3.0, and 4.0.
4. Touch **SET** to continue.

5. Select whether to:
   - **Yes.** Save as another file.
   - **No.** Discard changes.
   - **Overwrite.** Save and apply changes to the current file.

• Setting DPOF

The Digital Print Order Format (DPOF) function allows you to mark still images in your memory card for printing and allows you to specify the number of copies that you want to print at a later date. When all images to be printed are marked, take the memory card to a digital printing service, or use a DPOF compatible printer.

To set DPOF on a single file
1. View image/video/voice recording you want to set DPOF on the LCD screen.
2. Touch ▧ > 🖶.
3. To set DPOF on currently viewed file, touch **Yes**.

4. Set the number of copies and date stamp on/off. Touch the up/down keys to change settings.
5. Touch **SET** to save settings.

To set DPOF on multiple files
1. Touch ▧ > 🖶.
2. Touch **Select**. The LCD screen displays files in thumbnail view.
3. Touch a thumbnail to mark file for printing. The DPOF icon appears on the thumbnail.
4. Touch **DPOF** to continue.
5. Select **Yes** to confirm.

6. Set the number of copies and date stamp on/off.

7. Touch **SET** to save settings.

To set DPOF on all files
1. Touch 🔲 > 🖶.
2. Touch **All**.
3. Confirm to set DPOF on all files.
4. Set the number of copies and date stamp on/off.
5. Touch **SET** to save settings.

To set DPOF off
Files marked for printing can be set off following the same procedures above.

📝 **NOTE:**
- If the camera is in thumbnail mode, touching 🔲 > 🖶 displays protect multiple files interface.
- You can specify up to 30 copies for DPOF. If you specify 0 copies, the DPOF setting of that image is automatically disabled.

• Protecting/Unprotecting Files
The Protect function lets you lock a file to protect it from being modified or accidentally erased. A protected file has a lock icon when viewed on Playback mode.

📝 **NOTE:**
If the camera is in thumbnail mode, touching 🔲 > Oπ displays protect multiple files interface.

To protect a file
1. View image/video/voice recording you want to protect on the LCD screen.
2. Touch 🔲 > O⊓ . See picture on the right.
3. To protect currently viewed file, touch **Yes**.

To protect multiple files
1. Touch 🔲 > O⊓ .
2. Touch **Select**. The LCD screen displays files in thumbnail view.
3. Touch a thumbnail to mark file for protection. The protect icon appears on the thumbnail.
4. Touch **Protect** to protect marked files.
5. Select **Yes** to confirm protect.

To protect all files
1. Touch 🔲 > O⊓.
2. Touch **All**.
3. Confirm to protect all files.

To unprotect files
Protected files can be unlocked following the same procedure above. Touching 🔲 > O⊓ displays an unprotected confirmation message. See pictures on the right.

• **Deleting Files**

The Delete function lets you remove unwanted files in the internal memory or on the memory card.

📝 **NOTE:**

Protected files can not be deleted. Make sure the file is not protected before proceeding. To unprotect a file, see "To unprotect files" on page 71. If the camera is in thumbnail mode, touching 🔲 > 🗑 displays delete multiple interface.

To delete a file
1. View image/video/voice recording file you want to delete on the LCD screen.
2. Touch 🔲 > 🗑. See picture on the right.
3. To delete currently viewed file, touch **Yes**.

To delete a voice memo
1. View the image file with voice memo attached on the LCD screen.
2. Touch 🔲 > 🗑.
3. To delete the voice memo only, touch **Voice only**.
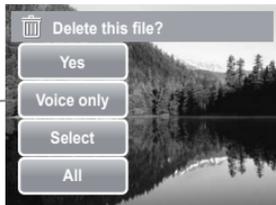
Voice only icon is enabled only when viewed image has a voice memo attached.

To delete multiple files
1. Touch 🔲 > 🗑.
2. Touch **Select**. The LCD screen displays files in thumbnail view.
3. Touch a thumbnail to mark file for deletion. The recycle bin icon appears on the thumbnail.
4. Touch **Delete** to delete marked files.
5. Select **Yes** to confirm delete.

To delete all files
1. Touch 🖼 > 🗑.
2. Touch **All**.
3. Confirm to delete all files.

Delete the selected?

Yes

No

• Setting Playback Menu
The Playback menu allows you to edit images, delete files, records voice memo, and setup other playback settings.

To go to Playback Menu:

1. Touch 🖼 > 📋 > 📷.
2. Touch ▲ or ▼ to move to the next/previous page of menu selection.
3. To select an item, touch the icon.
4. To change the submenu settings, touch the icon of desired settings.
5. Touch 🔄 to exit submenu.

Resize ►
Voice Memo ►
Protect ►
Delete ►

▲ ▼ 1/3 🔄

Indicates current page no./
total no. of menu page.

Resize
The Resize function allows you to change the image resolution of large images to smaller ones. This function is only available for still images.

To resize an image:
1. View image to resize on the LCD screen.
2. From the Playback menu, touch Resize.
3. Touch desired size. Select size among: 8M, 5M, 3M, and VGA. Available size settings may vary depending on original image size. Unavailable settings appear as grayed out icons.

Resize this file?
8M
5M
3M
VGA 🔄

4. After selecting size, touch to confirm whether to:
   - **Yes.** Save the new file as a new one.
   - **No.** Discard resize.
   - **Overwrite.** Apply and save changes to the current file.

📝 **NOTE:**
Resize function is not available for photos with image size set to VGA.

Voice Memo

The Voice Memo function allows you to record and attach a voice memo to a saved image. You can record a maximum of 20 seconds of Voice memo per image. This function is only available for still images.

To record voice memo:
1. View image to attach voice memo on the LCD screen.
2. From the Playback menu, touch **Voice Memo**. The voice recording interface is displayed on the LCD screen.
3. Touch 🔴 to start recording.

Recording Memo
00:12 —— Time left for recording

4. Touch ⬛ to stop recording. The voice memo is automatically saved and attached to the image.

To attach voice memo to an image with existing voice memo:
1. View the image with an attached voice memo on the LCD screen.
2. From the Playback menu, touch **Voice Memo**.
3. The Overwrite confirmation message appears. Touch whether to:
   • **Yes.** Record another voice memo to replace the existing one.
   • **No.** Retain existing voice memo and exit the function.

4. When you select **Yes**, the Recording memo interface is displayed on the LCD screen. Follow the procedure in recording a voice memo mentioned above.

Red-Eye Correction
The Red-Eye Correction function is used to reduce red-eye in captured images. This function is only available for still images. Red-eye correction can be applied to an image several times, but the quality may gradually deteriorate.

To activate Red-Eye Correction:
1. View the image on the LCD screen.
2. From the Playback menu, touch **Red-eye Correction**.
3. The image is displayed on the LCD screen with corrected red-eye.
4. Touch **SET** to apply red-eye correction.
5. Touch whether to:
   • **Yes.** Save the image to a new file.
   • **No.** Disregard red-eye correction.
   • **Overwrite.** Apply and save changes to the existing file.

Effect

The Effect function lets you edit still images to apply different colors or tones for a more artistic effect.

To add Effect:

1. View the image on the LCD screen.

2. From the Playback menu, touch 🔲 > 🖳 >

   🖻, then touch ▲ or ▼ to move to **Effect**.

3. Touch desired settings to preview effect on theLCD screen. See table for more information.

4. Touch **SET** to continue.

5. Touch whether to:

   • **Yes.** Save the image to a new file.
   • **No.** Disregard changes.
   • **Overwrite.** Apply and save changes to the existing file.

The succeeding table shows the available settings.

Icon.	Type	Description
🄽	Normal	No effect is added to the image.
🅂	Sepia	Image is saved with a sepia tone.
🄱🅆	B&W	Image is saved in black and white.
🄽ₑ𝓰.	Negative	Image appears to be the opposite of the original image.
▦	Mosaic	Image is saved with mosaic tiles.
🅁	Vivid Red	Image is saved with reddish tint.
🄶	Vivid Green	Image is saved with greenish tint.
🄱	Vivid Blue	Image is saved with bluish tint.

7 Using the Setup Menu

You can access the Setting menu whether you are in Record or Playback mode. The Setting menu allows you to configure general camera settings. Submenu options may vary depending on the current mode. Unavailable are disabled.

To go to Setting Menu:

1. Touch 🔳 > 🔳 > 🔧.
2. Touch ▲ or ▼ to move to the next/previous page of menu selection.
3. Touch a submenu option to change submenu settings.
4. Touch ↪ to exit submenu.

Indicates current page # for total # of pages.

• Setting Memory Kit
Use this function to manage contents of the internal memory or memory card.

Available settings are:
• **Format.** Select to format currently used memory.
• **Copy to Card.** Select to copy all files stored in the internal memory to the memory card.

📋 **NOTE:**
• If there is a memory card inserted,the Copy to Card function is not available
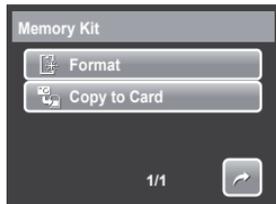
• **Setting Auto Review**
The Auto Review function lets you view the captured image right after shooting it.

Available settings are: Off, 1 sec., 2 sec., 3 sec., and 5 sec.

To set Auto Review
1. From the Setting menu, touch **Auto Review**.
2. Touch to apply desired settings.

This function is not available in camcorder mode.

• **Setting Digital Zoom**
This feature controls the digital zoom mode of your camera.
Your camera enlarges an image using the optical zoom first. When the zoom scale exceeds 3x, the camera uses digital zoom.

To set Digital Zoom
1. From the Setting menu, touch **Digital Zoom**.
2. Touch to apply desired settings.

The table below shows the available Digital Zoom settings.

Icon.	Type	Description
Int.	Intelligent Zoom	Enlarges the image digitally with almost no distortion.
Std.	Standard Zoom	Enlarges all image sizes up to a maximum of 12x, but the image quality deteriorates.
OFF	Off	Uses the optical zoom only.

NOTE:
The maximum Intellect zoom scale varies depending on the image type and resolution.

• Setting System Sound
Use the Sound menu function to enable/disable sound when a button is pressed or touched. Available settings are: On, Off.
1. From the Setting menu, select **System Sound**.
2. Touch to apply desired settings.

System Sound	
ON	On
OFF	Off

1/1

• Setting Volume
Use the Volume function to control sound volume produced by the camera. Available settings are: Volume 0 (Off), Volume 1, Volume 2, Volume 3, Volume 4, Volume 5.

1. From the Setting menu, select **Volume**.
2. Touch to apply desired settings.

Volume	
OFF	Volume 0
◄►¹	Volume 1
◄►²	Volume 2

1/2

• Setting LCD Brightness
Use the LCD Brightness function to control the LCD brightness. Available settings are:
- ▣₊ **Bright.** Enhances LCD brightness.
- ▣₋ **Normal.** Normal LCD brightness.

LCD Brightness	
▣₊	Bright
▣₋	Normal

1/1

• Setting Power Save
The Power Save function allows you to set an idle time after which the camera automatically sets to sleep mode to save power. After a minute of being in sleep mode, the camera eventually turns off power.

Available settings are: 1 min., 3 min., and 5 min.

This function is not available in the following instances:
- Recording a movie or audio file
- Playing a slideshow/movie/audio file
- Using the USB connector.

Power Save

| 🔋min **1 min.** |
| 🔋min **3 min.** |
| 🔋min **5 min.** |

1/1

• **Setting Date & Time**
Use the Date & Time function to set the date and time of your camera. This function is useful in attaching date stamps on captured images. Your camera uses a 24-hour time format.

1. Touch ▲ or ▼ to adjust date and time value.
2. Touch **SET** to apply changes.

Date & Time

2008 / 07 / 14   16 : 10

YY/MM/DD

▲ | ▼ | SET

• **Setting TV Out**
Use the TV Out function to adjusts video output signal to accommodate different regional settings. If TV out is not set correctly, the image may not display properly on TV.

Available settings are:
- 📺 **NTSC.** Applicable in Japan, USA, Canada, Taiwan and others.
- 📺 **PAL.** Applicable in Europe, Asia (excluding Taiwan), Oceania and others.

TV Out

| 📺 NTSC |
| 📺 PAL |

1/1

• **Setting Hot Key**

The Hot Key function is available only in snapshot mode. This function allows you to define the three shortcut icons on the Snapshot Mode Quick-Set Bar.

1. From the Settings menu, touch **Hot Key**. The Hot key interface appears.

2. Touch an icon on the Quick-Set Bar to replace. A pop up selection appears.

3. Touch desired submenu.

4. To replace other icons, repeat steps 2-3.

5. Touch **SET** to save and apply changes.

• **Setting Startup Image**

The Startup Image function allows you to setup a startup image when you turn on your camera.

1. From the Setting menu, touch **Startup Image**. The menu selection appears.
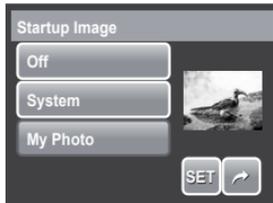
2. Touch to select option:

- **Off.** Disable the startup image.
- **System.** Use camera default image.
- **My Photo.** Select image from captured images in memory card. Touch this option to display thumbnails and select image.

3. Touch **SET** to apply changes.

Touch thumbnail, then touch SET to select image and close selection.

• Resetting

The Reset function is used to reset the camera to its initial default settings and to reset file numbering when saving images/videos/voice recordings.

To Reset
1. From the Setting menu, select **Reset**.
2. Touch option:
   - **Reset File No.** Touch to reset file numbering. To understand folder and file structure of your camera, see "About Folder and File Names" on page 90.
   - **Reset.** Touch to reset camera to initial default settings.
3. A confirmation message appears. Touch **Yes** to reset. Touch **No** to exit submenu.

• Setting Language

The Language function allows you to choose the language of the on screen display (OSD) menu.

1. From the Setting menu, touch **Language**.
2. Touch to apply desired language.

8 Installing the Software onto a Computer

• Installing the Software

For Windows® Users:

PC

📖 **NOTE:**
- If you don't know how to install the software, please read the "Read Me" file on the CD first.
  - Windows 98SE needs to install your digital camera Driver for the Mass Storage function. After the installation, please restart your computer before connecting your camera to the computer.
  - Windows Me, 2000, XP, and Vista do not need to install the driver. Plug in the camera to the computer to transfer or edit your photos and video clips.
  - For better quality graphics and sound when watching your video clips on the computer, it is recommended to install DirectX version 9.0 or above. To download, visit www.microsoft.com

1. Before you begin, close all other software applications open on your computer.
2. Insert the camera CD into your computer CD-ROM drive.
3. The CD User Interface screen will automatically launch. (If the setup screen does not appear after loading the CD, you can open Windows Explorer, double click on the "INSTALL-E.exe" in the CD folder to start the setup.
4. Click on each software interface button in turn and follow the on-screen instructions.

For Macintosh Users:

Mac

1. Before you begin, close all other software applications open on your computer.
2. Insert the CD supplied into the computer CD-ROM Drive.

3. Double click the CD-ROM icon "Polaroid".
4. Install the software included.

• Software Included with Your Camera

The t1035 software CD contains the following software:

Polaroid Digital Camera Driver
Driver is ready for Windows 98se Users only. Your computer need to be installed this driver to gain camera's mass storage function in Windows 98se.

ArcSoft MediaImpression™:
Manages your media for you, and gives you tons of fun and exciting ways to create and share projects featuring your photo, video, and music files. Edit, enhance and add creative effects to your photos. Create your own movies or photo slide shows, complete with soundtrack. Upload your files easily to YouTube™! Or share them through simple email attachments or popular photo printing.

ArcSoft Print Creations™:
A family of fun and easy print-project software that brings out the creativity in you.
Print Creations brings together ArcSoft's latest printing applications into one great user experience. Starting from the Print Creations Launch Pad, you can access any of ArcSoft's great new printing applications including: Greeting Card, Photo Calendar, Album Page and more. Projects can be printed at home or saved as image files for sharing with family and friends by email or the web.
Each unique print-project software comes packed with a full set of professionally designed templates and layouts for all occasions and in all kinds of styles. You can personalize the designs with your own digital pictures and text.

Adobe® Acrobat® Reader™ .PDF File Reading Software
Adobe® Acrobat® Reader™ lets you view and print Adobe Portable Document

format (PDF) files on all major computer platforms, as well as fill in and submit Adobe PDF forms online.

📖 **NOTE:**
- Please access http://www.arcsoft.com/ to learn more about ArcSoft software.
- ArcSoft MediaImpression & PrintCreations don't support Windows 98se/Me.

• **Fast and Easy YouTube™ Upload**
1. Install ArcSoft software on included CD-ROM.
2. Download movie files from your digital camera to your computer.
3. Open ArcSoft software and select "Video".
4. Select the movie file you want to upload and click "Upload to YouTube" icon.
5. Enter your YouTube account information. If you do not have a YouTube account, visit www.youtube.com <http://www.youtube.com/> to register for a free account.

• **System Requirements**
In order to get the most out of your camera, your computer must meet the following system requirements:

For Windows:
- Windows 98/98SE/2000/XP/ME/Vista
- Processor:Pentium II 450MHz or above (Pentium 800MHz recommended).
- Memory: 512MB or above (Over 1GB recommended)
- HDD space: 200 MB or above
- 1024 x 768 pixels, 16 bit color display monitor
- Microsoft DirectX 9.0C
- USB port and CD-ROM drive

For Macintosh
- Power Mac G3 or later
- Mac OS 10.0-10.4
- Memory: 64MB or above
- HDD space: 110MB or above
- USB port and CD-ROM drive Mplayer

• Uninstalling Polaroid t1235 Camera Driver
For Windows® Users only

1. Open Add/Remove Program Properties in Control Panel and select "Polaroid Digital Camera" program, then click "Add/Remove" button.
2. The confirmation dialogue box appears, please click "Yes" to confirm removing the camera driver.
3. The un-installation program runs automatically, please restart your computer when it is finished.

Need help with your digital camera?

Call our toll-free customer service number. Look for the insert with this icon:

Or visit www.polaroid.com.

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9 Making Connections

You can connect your camera to:
• TV
• Computer
• Printer

• Connecting the Camera to a TV

To connect your camera to a TV:

1. Turn on the camera.
2. Set the TV out to match TV's video out format. See "Setting TV Out" on page 80.
3. Connect the USB/AV 3-in-1 cable to the USB port on the bottom of your camera.
4. Connect the other end of the cable to the TV's AV input port.
5. The LCD screen turns black and all images and video clips are displayed on the TV.
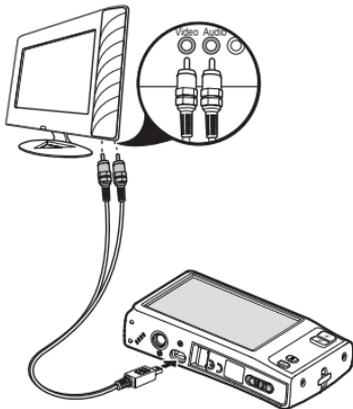
To view photos

• To navigate photos, use 🔳.
  Press **T** button to go to previous photo and **W** button to go to next photo.
• For slideshow, press **Playback** button to start/stop slideshow.
• To display/hide function keys on the TV screen, press **Display** button.

• Connecting the Camera to a PC
You can transfer photos, videos and audio files to your PC.

1. Connect the camera to a PC using the USB cable.

2. Turn on the camera.

3. The PC detects the connection. The camera's internal memory and memory card display as removable drives in the file manager. No image is displayed on the LCD monitor.

📑 **NOTE:**
You can also use a card reader to access the memory card contents of your camera

• Connecting the Camera to a Printer
You can print your photos directly using a PictBridge compatible printer. PictBridge allows you to print images captured by your camera without connecting the camera to a PC. Print images with a PictBridge compatible printer directly.

1. Turn on your camera.
2. Connect the camera to the printer using the USB cable.

3. The camera detects the connection and turns to USB mode. Touch **Printer**.

USB Mode:

Mass Storage
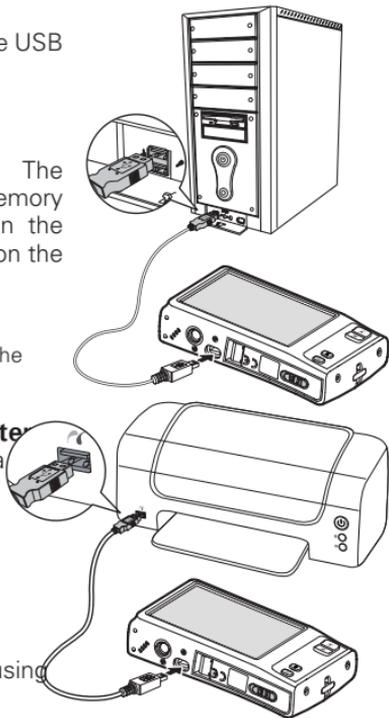
Printer

4. Select print settings then confirm to print photos.

Print Select	Print all?
Print All	Yes
Print Index	No
	Setup
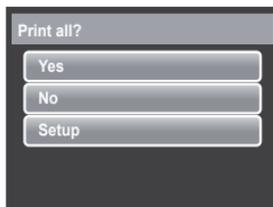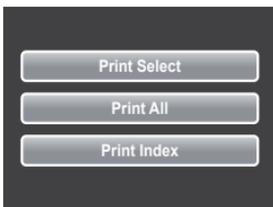
Setting PictBridge Menu
To ensure quality of printed photos, activate the PictBridge menu to setup print settings.

To access PictBridge menu, touch Setup in the confirmation selection before printing photos.

The table below shows the PictBridge submenu options and their available settings.

Quality ►
Layout ►
Paper Size ►
Paper Type ►

▲ ▼ 1/2 ↱

Indicates current page no./total no. of menu page.

Submenu	Available Settings
Quality	Default, Fine, Normal, Draft
Layout	Default, 2, 4, 6, 12, Full
Paper Size	Default, Postcard, Letter, A4, 4"x 6"
Paper Type	Default, Plain, Photo, Fast Photo
Date Stamp	Default, On, Off
Filename	Default, On, Off

• About Folder and File Names

Your camera automatically creates specific directory of folders in the internal memory memory cards to organize captured images, videos and audio files.

Folder Structure

Your camera creates three directory names:

- **DICAM**. All captured images, videos and audio files are stored in this folder except for files recorded using the Auction or YouTube mode.

- **_AUCT.** Captured images using the Auction mode are saved in this folder.

- **_UTUBE.** Captured videos using the YouTube mode are saved in this folder.

```
☐ ⬚ INTERNAL (F:)
  ☐ ☐ DCIM
    ├─ ☐ 100DICAM
    │    ├─ 📄 DSCI0001.JPG
    │    ├─ 📄 DSCI0002.JPG
    │    ├─ 📄 DSCI0003.JPG
    │    ├─ 📹 DSCI0004.AVI
    │    └─ 📹 DSCI0005.WAV
    ├─ ☐ 101DICAM
    │    ⋮
    ├─ ☐ 102UTUBE
    │    ├─ 📹 DSCI0001.AVI
    │    └─ 📹 DSCI0002.AVI
    │    ⋮
    └─ ☐ 103_AUCT
         ├─ 📄 DSCI0001.JPG
         └─ 📄 DSCI0002.JPG
         ⋮
```
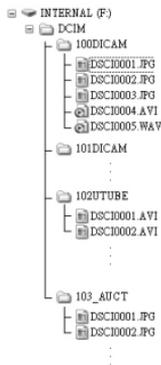
Folder names begin with a 3-digit number from 100 to 999 and followed by "DICAM" or "_AUCT" or"_UTUBE". Each folder holds up to 9999 files. If new files are saved, a new folder named in sequence will be automatically created.

File Naming

File names begin with "DSCI" and followed by a 4-digit number that increases

in sequence. File numbering starts from 0001 when a new folder is created. If the highest folder number is 999 and the highest file number exceeds 9999, the camera will display the warning message "Folder cannot be created." When this happens, try one of the following ways:

- Reset the file number. See "Reset File Number" on page 82.
- Plug in a new memory card.

📋 **NOTE:**
Do not change the folder and file names in the memory card using your PC. It may be unale to playback the data using the camera.

Need help with your digital camera?

Call our toll-free customer service number. Look for the insert with this icon:

Or visit www.polaroid.com.

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11 Troubleshooting

Problem	Cause and/or Action
Camera does not turn on.	The battery may be exhausted. Charge or replace the battery.
Camera turns off automatically.	Press any button except the Power button to turn on the camera.
LCD turns blank.	Press any button except the Power button to turn on the LCD.
Empty battery icon is displayed on the LCD, then the camera turns off.	The battery is exhausted. Charge or replace the battery.
LCD screen displays 'No image'.	The image file on the memory card. Image file format may not be supported.
LCD screen displays 'Not available for this file'.	Function is only available for specific file types. File format is not supported.
LCD screen displays 'Memory full'.	Memory card is full. Replace the memory card with a new one or delete unnecessary images.
LCD screen displays 'File locked'	This file is locked. Unlock the file. See "Protecting/Unprotecting Files" on page 70.
LCD screen displays 'Card locked'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position.
LCD screen displays 'Format error'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position.
LCD screen displays 'Copy error'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position. The memory card is full. Replace card or delete unnecessary files.
No image displays on the TV screen	Incorrect TV-out type was selected. Set the correct TV-out type to match your TV system.
The lens is stuck out.	Do not force the lens to go back. The type of the battery used may be incorrect or the battery power level is too low. Change the battery or charge the battery before usingthe camera.

12 Getting Help

• Polaroid Online Services
Website: http://www.polaroid.com

• ArcSoft Software Help

For United States
ArcSoft HQ Support Center
(Fremont, CA 94538)
Tel.: 1-510-979-5599
Fax: 1-510-440-7978
E-mail: support@arcsoftsupport.com
Web: http://www.arcsoft.com/en/support/

For Latin America
E-mail:latinsupport@arcsoftsupport.com

For Europe
ArcSoft Europe Support Center
(Ireland)
Tel.: +353-(0) 61-702087
Fax: +353-(0) 61-702001
E-mail: eurosupport@arcsoft.com

For China
ArcSoft China Support Center
(Hangzhou)
Tel.: +86-571-88210575
E-mail: support@arcsoft.com.cn
Web: http://www.arcsoft.com.cn/new/support

For Japan
ArcSoft Japan Support Center (Tokyo)
Tel.: +81-3-5795-1392
Fax: +81-3-5795-1397
E-mail: support@arcsoft.jp
Web: http://www.arcsoft.jp

For Taiwan
ArcSoft Taiwan Support Center (Taiwan)
Tel.: +886-(0) 2-2506-9355
Fax: +886-(0) 2-2506-8922
E-mail: support@arcsoft.com.tw
Web: www.arcsoft.com.tw

Visit http:// www.arcsoft.com for technical support and frequently asked questions (FAQ's).

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13 Specifications

• Specifications

Sensor	12 Mega Pixels CCD, Size: 1/2.3
Lens	Focal Length: f = 6.3 - 18.9 mm, 3X optical zoom, 5x digital zoom
LCD Monitor	Display: 3.0" color LCD
Focus Range	Wide: 0.1m (4inch) to Infinity Tele: 0.4m (15inch) to Infinity
Effective Flash Range	Wide: 0.1m (4inch) to 1.7m (67inch)@ISO 100 Tele: 0.4m (15inch) to 1.0m (40inch) @ISO 100
Aperture	F = 3.1 - 5.6
Shutter	Auto: 1 - 1/2000 sec. Manual mode: 15 - 1/2000 sec. Night: 15 - 1/2000 sec. Fireworks: 8 sec.
File Format	Still Image: EXIF 2.2 compatible format (JPEG compression) Video: AVI (MJPEG) Audio: WAV
ISO	Auto, 80, 100, 200, 400, 800, 1600, 3200
Exposure Compensation	-2EV to + 2EV (1/3EV steps)
Metering	continuous, taking 3 pictures (OEV, -0.3EV, +0.3EV)
Flash Mode	Auto, Off, Always On, Auto Red-eye Reduction, Red-eye Reduction, Slow Sync
Surround mode	Multi, Spot, Center-weighted, Face Recognition AE & AF
Self-timer	10 sec., 2 sec.
Scene Modes	Auto, Program, Intelligent Scene, Portrait, Landscape, Sunset, Backlight, Kids, Night Scene, Fireworks, Snow, Sports, Party, Candlelight, Night Portrait, Soft Skin, Soft Flowing Water, Food, Building, Text, Auction, Smile Capture, Blink Detection, Movie, Voice Recording

Resolution	Still Image: 12M, 3:2, 8M, 5M, 3M, HD, VGA
Movie Clip	Size: 16:9, 640 X 480, 320 X 240, YouTube
White Balance.	There are six mode: Auto, Tungsten, Fluorescent, Daylight, Cloudy, and Custom
Effect	Preview: Normal, Vivid, Sepia, Black & White, Red, Green, Blue Playback: Normal, Sepia, Black & White, Negative Art, Mosaic, Red, Green, Blue
Storage	32MB flash memory, 10MB real size for mass storage SD (max. size 4GB), SDHC card (up to 16GB)
TV system	NTSC, PAL
Interface	USB / AV OUT
Battery	Li-ion battery
OperatingTemperature	0° C - 40° C
Operating Humidity	0% - 90%
Microphone	Built-in
Speake	Built-in
Dimensions	Max. 97.5 X 56.7 X 17.6 mm Normal: 95.5 X 56.7 X 17.6 mm
Weight	130g (without battery and SD card)

• Camera Default Setting

Camera Mode	Description	Default
Still Image Mode	Image Resolution	12M
	Quality	Fine
	Metering	Multi
	White Balance for Pictures	Auto
	ISO	Auto
	Effect	Normal
	AF Area	Wide
	Flash Intensity	Normal
	EV Compensation	0
	Photo Frame	Off
	Sharpness	Normal
	Saturation	Normal
	Contrast	Normal
	Date Stamp	Off
	Focus Mode	Auto
	Drive Mode	Off
	Flash	Auto
	AF Lamp	Auto

Video Mode	Video Size	640 X 480
	Quality	Fine
	Frame Rate	30fps
	White Balance	Auto
	Effect	Normal
	Sharpness	Normal
	Saturation	Normal
	Contrast	Normal
	Focus Mode	AF
Setup Mode	Auto Review	Off
	Digital Zoom	Standard Zoom
	System Sound	On
	Volume	Volume 3
	LCD Brightness.	Normal
	Power Save	1 min
	Date & Time	YY/MM/DD
	TV Out	NTSC
	Hot Key	No
	Startup Image	System
	Reset	No
	Language	English
Playback Mode	Protect	Off
	Slide Show	3 Sec

Questions? Need some help?

This manual should help you understand your new product. If you have questions, call our customer service help number. Look for the insert with this icon:

or visit www.polaroid.com.

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