

Panasonic®

Operating Instructions Digital Camera Wi-Fi mode

Model No. **DMC-TZ50**

**Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America**

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VQT1R37
M0308KZ0



Before connecting, operating or adjusting this product, please read the instructions completely.

For USA assistance, please call: 1-800-211-Pana(7262) or, contact us via the web at: <http://www.panasonic.com/contactinfo>



VQT1R37

FCC RF Exposure Statement

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. DMC-TZ50 has been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. Please refer to the SAR test report that was uploaded at FCC website. This device should not be co-located or operated in conjunction with any other antenna or transmitter.

FCC Note:

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 separation between the equipment and receiver.
- Connect the equipment into 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.

FCC caution: To maintain compliance with FCC regulations, shielded interface cables must be used with this equipment. Operation with non-approved equipment or unshielded cables may result in interference to radio and TV reception. Any changes or modifications not approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

The unit which can be connected to PC or which has a USB terminal: You have to indicate the following before Responsible Party.

Declaration of Conformity
Trade Name: Panasonic
Model No.: DMC-TZ50

Responsible Party:
Panasonic Corporation of North America
One Panasonic Way
Secaucus, NJ 07094

Support Contact:
Panasonic Consumer Electronics Company
Telephone No.: 1-800-211-PANA (7262)

Upload pictures to your web album and view with your friends

'Picasa Web Albums' is an online album service provided by Google. Upload the pictures you have taken to your web album, using your camera's Wi-Fi mode. You can share your pictures by sending your web album URL to your friends. You can also change your web album's privacy setting on your computer between 'Only people I have informed can view (Private)' and 'Anyone can view (Public)'. For more details, see the following website.

<http://xxxxxxxxx> (correct as of April 2008)

Upload your pictures at home or on the move

You can access 'Picasa Web Albums' using any of the following.

● Using T-Mobile HotSpots around town

T-Mobile HotSpots can be found in stores and in areas such as stations and airports. A valid T-Mobile account (user ID and password) is needed for this service (charges apply). (A T-Mobile account is preset to your camera, but the validity period is limited.) For more details, see the following website.

<http://hotspot.t-mobile.com/> (Address correct as of April 2008)

● Using at home with a T-Mobile@HOME-compatible router

Appropriate settings (P.26) will need to be made on your camera.

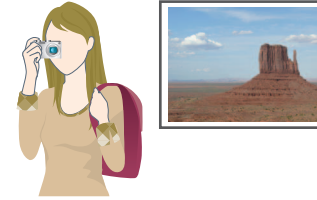
● Using access points (home, external) other than T-Mobile

Appropriate settings (P.28) will need to be made on your camera when you sign up to other services.

(Contact the appropriate operating companies for details on individual services.)

'Picasa Web Albums' and 'T-Mobile' services may be altered at any time without prior notification.

Take pictures



Upload

Access using T-Mobile HotSpots around town or using T-Mobile@HOME in your home.

Send pictures to your web album (upload).



Picasa Web Albums



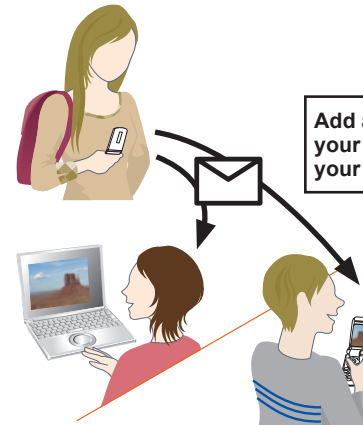
Check your uploaded pictures (pictures can also be deleted)



Send your web album's URL to your mobile telephone or etc.



View together



Add a message and send your web album's URL to your friends and family

Main Operations

1 Use your Google account (free) to log in to your Picasa Web Album on your computer, and agree to the Terms of Service (P.12).

You will need to sign up for a Google account if you do not have one already (P.12).

2 Set your account to your camera (P.12).

3 Connect to your web album (P.12).

- From T-Mobile HotSpots around town (P.15)
- From a T-Mobile@HOME router in your home (P.26)
- From other access points (P.28)

If you have trouble connecting, communication may not be available in your present location, or your T-Mobile account may have expired.

4 Upload your pictures to your web album (P.16).

5 View (check) your uploaded pictures (P.19).

Pictures can also be deleted (P.20).

6 Set a destination (e-mail address) to send the URL (P.22).

You can set one e-mail address to send the URL to, such as your mobile telephone or your computer address. (This operation need not be repeated once the destination is originally set.)

7 Send your web album's URL.

Send the URL to the e-mail address set in step 6.



You can forward this URL to your friends and view your pictures together.

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Others

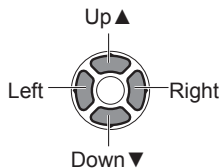
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Before Using

■ About this manual

- Please refer to the main digital camera operating manual whenever you see references such as '(Main operating manual P.107)' in this manual.
- Product illustrations and screens may differ from the actual product.

Using cursor buttons to select direction



The correct button to press will be shaded grey and labeled with ▲▼, as shown here.

■ Be aware of copyrights and image rights

- Pictures taken may not be used without the permission of rights holders except for individual enjoyment.
- The taking of pictures even for personal usage may be subject to restrictions in some cases.
- Recording and making available images of another person's appearance without their consent may be a violation of their image rights.

■ Personal information management and disclaimer

- To protect your personal information, using 'Setting Wi-Fi password' (P.32) is recommended.
- Always keep a copy of important information. Information containing personal information, such as wireless LAN connection settings, which has been registered or set to the product by the user, may be altered or lost through erroneous operation, static electricity, accidents, faults, repairs, or other modes of handling. Panasonic shall accept no responsibility for any direct or indirect damage or financial loss resulting from the alteration or loss of such information through no fault of its own.
- Always delete personal information before relinquishing/disposing of this product. When relinquishing or disposing of this product, always delete personal information, such as wireless LAN connection settings, which has been registered or set to the product by the user, by performing a 'RESET Wi-Fi SET' from 'Wi-Fi SET', or a 'RESET Wi-Fi SET' from the Setup Menu.
- No compensation shall be paid in the event of damage resulting from theft or loss. Panasonic shall accept no responsibility for any demands for connection charge payment or other damage caused by illegal third party access to non-protected wireless LANs, or for any damage caused by illegal usage of e-mail addresses set to the product, which results from this product being lost or stolen.

■ This product may not be exported to or brought into countries subject to United States export embargoes *

This product contains American-originating encryption software and is therefore subject to U.S. Export Administration Regulations (EAR). (* Cuba, Iran, Iraq, Libya, etc. (correct as of February 2008))

Wireless LAN function

■ Use this product as a wireless LAN device

Panasonic shall accept no responsibility for any damage caused when using this product for other purposes.

- Do not use this product for uses requiring a high safety level, such as medical devices and systems which directly or indirectly support human life.
- When using in devices or computer systems requiring a higher level of reliability than wireless LAN devices, ensure that sufficient and appropriate measures are taken to ensure safety and prevent damage to the system.

■ This wireless LAN function is designed for use in the United States

This product's wireless LAN function is designed for use in the United States, and cannot be used outside of the country. Attempting to use this function outside of the United States may violate related national regulations, for which Panasonic shall accept no responsibility. (Other functions may be used in other countries.)

■ Data transmitted wirelessly may be intercepted

Be aware that data transmitted wirelessly may be intercepted by third parties.

■ Do not use in locations where interference from magnetic fields, static electricity, or electromagnetic waves is likely

- Do not use in locations where interference from magnetic fields, static electricity, or electromagnetic waves is likely, such as close to microwave ovens. Wireless connection may be lost.
- When using this product close to other products using frequencies of around 2.4 GHz, both products may suffer a drop in processing speed.

■ Do not use with wireless networks for which you do not have usage authority

This product automatically searches for wireless network environments when the wireless LAN function is used. Do not connect to any wireless networks (SSID) displayed for which you do not have usage authority, as this may be considered illegal access.

1 Wi-Fi mode basic operations

This page explains how to enter and exit Wi-Fi mode, and how to input characters.
When using Wi-Fi mode, be sure to use a sufficiently-charged battery, or an AC adaptor (DMW-AC5PP, sold separately).

Entering Wi-Fi mode

1 Turn on the power



(Operation display lamp illuminated for approx. 1 sec)

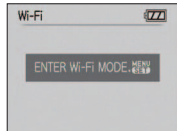
2 Set to (play)



3 Set to Wi-Fi



4 When 'Enter Wi-Fi MODE.' is displayed Press [MENU/SET]



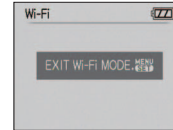
Wi-Fi mode opens after the Wi-Fi logo is displayed.

Exiting Wi-Fi mode

1 Set to anything other than Wi-Fi



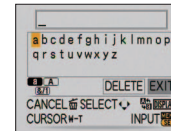
2 When 'Exit Wi-Fi MODE.' is displayed Press [MENU/SET]



Wi-Fi mode closes

Character input

Use the following method to input information such as accounts, passwords, and e-mail addresses into your camera.



DISPLAY

- (1) Press several times to scroll through the types of characters
 (A) (a) upper/lower case alphabet, (&1) symbols/numbers
- (2) Select character with and press to confirm (repeat)
- (3) Select [Complete] with and press to confirm

- A maximum of * * alphabet letters, symbols, or numbers may be inputted.
- When inputting passwords, characters are shown as '* * * * *'.
- Input position cursor may be moved with .
- Zoom lever may be used to scroll when necessary.

2 Setting up a web album account

Information

First of all, use a Google account (free) to log in to Picasa Web Albums and agree to the Terms of Service (see below). Without this agreement, you cannot use web albums.

Obtain a web album account and log in

- Users with Google accounts already**
Use your 'Username (e-mail address)*' and 'Password' to log in to Picasa Web Albums, and agree to the Terms of Service. Make a note of your 'Username (e-mail address)*' and 'Password' as these must be set to your camera.
- Users without Google accounts**
Sign up for a Google account using the following URL, then use your 'Username (e-mail address)*' and 'Password' to log in to Picasa Web Albums, and agree to the Terms of Service.
picasaweb.google.com/ (correct as of April 2008)
Make a note of your 'Username (e-mail address)*' and 'Password' as these must be set to your camera.

Always make a note of your 'Username (e-mail address)' and 'Password'.
The Terms of Usage viewable during registration will be applicable when using this service. Read these terms thoroughly before usage.

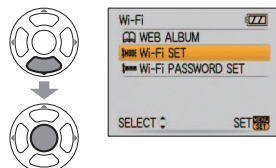
* If using a Gmail (e-mail service supplied by Google) address for your account Username (e-mail address), you can use the 'Send web album URL' function (P.22).

Make account settings on your camera

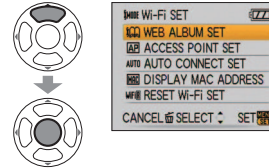
Input your web album 'Account' into your camera.

1 Entering Wi-Fi mode (P.10)

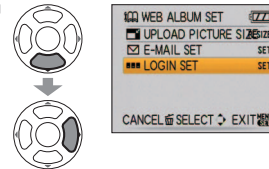
2 Select 'Wi-Fi SET'



3 Select 'WEB ALBUM SET'

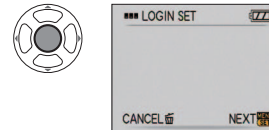


4 Select 'LOGIN SET'

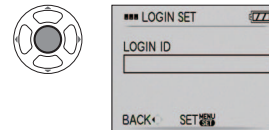


• To return: Press [Q.MENU/🗑️]

5 When LOGIN SET screen is displayed Press [MENU/SET]

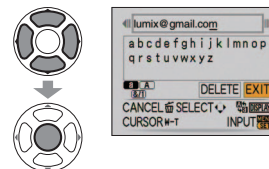


6 Go to input screen



• To return: Press ◀

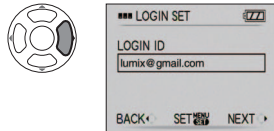
7 Input Username (e-mail address) and confirm (Character input → P.11)



2 Setting up a web album account (Continued)

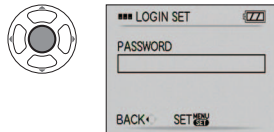
8 Check Username (e-mail address)

Press ►



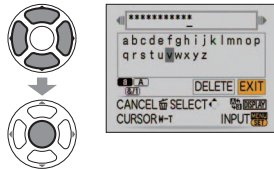
• To return: Press ◀

9 Go to input screen



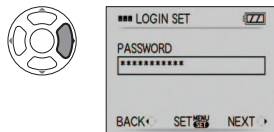
• To return: Press ◀

10 Enter password and confirm (Character input → P.11)



11 Check password (e-mail address)

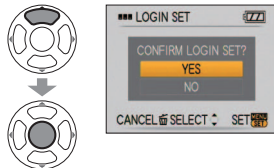
Press ►



• To return: Press ◀

12 Select 'Yes'

when 'CONFIRM LOGIN SET?' is displayed, and confirm



• To return: Press [Q.MENU/☰]

Account settings are complete.

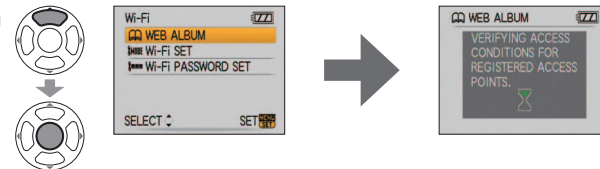
3 Connect to web album

This page explains how to connect to your web album using T-Mobile HotSpots. See www.t-mobile.com/hotspot (correct as of April 2008) for a list of T-Mobile HotSpot locations.

See P.26 if using a T-Mobile@Home-compatible router, or P.28 if using access points other than T-Mobile (home, public wireless LAN).

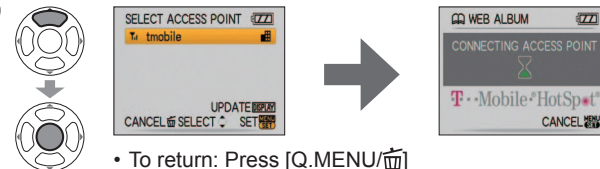
1 Entering Wi-Fi mode (P.10)

2 Select 'WEB ALBUM'

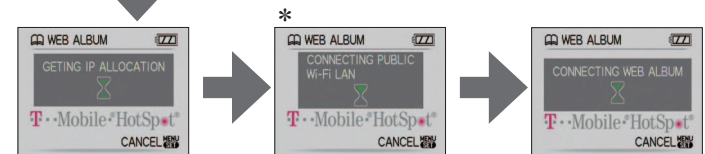


Registered access point SSID are displayed.

3 Select 'tmobile'



• To return: Press [Q.MENU/☰]



* When using public wireless LAN only

Connection is made with your web album.

- Do not remove the card or turn off the power during communication.
- Check the 'Q&A' (P.40) if you have trouble connecting.

4 Uploading pictures to web album

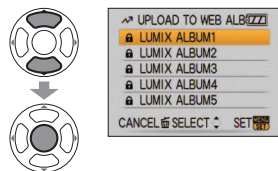
Send pictures from your camera to your web album. You can upload pictures individually or several at a time. **Movies and pictures with audio cannot be uploaded.** Images uploaded to your web album can be displayed and deleted with your camera.

1 Entering Wi-Fi mode (P.10) → Connect to web album (P.15)

2 Select 'UPLOAD TO WEB ALBUM'



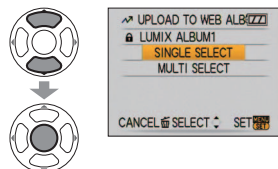
3 Select album to upload



• To return: Press [Q.MENU/⏏]

• Five albums are pre-prepared.

4 Select 'SINGLE SELECT' or 'MULTI SELECT'



• To return: Press [Q.MENU/⏏]

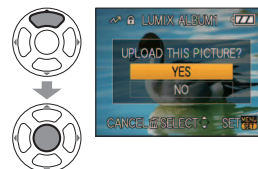
■ SINGLE SELECT

5 Select picture and confirm



• To return: Press [Q.MENU/⏏]

6 When 'UPLOAD THIS PICTURE?' is displayed Select 'YES' and confirm



• To return: Press [Q.MENU/⏏]

■ MULTI SELECT (up to 10)

5 Select picture and confirm



↗ Indicates picture is selected

• Repeat this operation to select multiple pictures.
• To return: Press [Q.MENU/⏏]

6 When selection is complete Press [MENU/SET]

7 When 'UPLOAD X PICTURES TO WEB ALBUM?' is displayed Select 'YES' and confirm



• To return: Press [Q.MENU/⏏]

• Pictures will be sent to your web album

• To cancel during sending: Press

• When 'UPLOAD COMPLETED' is displayed, press [MENU/SET] to return to the playback screen. To finish using the web album, cancel the connection (P.21).

- Time required for sending (approximate) (P.25)
- Image sizes are reduced before sending. However, pictures which have 'TEXT STAMP' (Main operating manual P. 73) will not be reduced.
- **Always make back-ups of important pictures.**

- Pictures taken with other cameras may not be able to be sent, even if they are viewable on this camera.
- Uploaded pictures may also be checked on your computer.
- 'Eco mode' (Main operating manual P. 24) will not work during picture transmission.

5 View pictures in web album

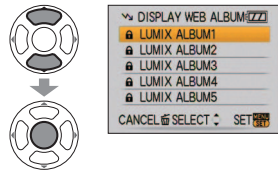
Pictures uploaded to your web album can be viewed on your camera.

1 Entering Wi-Fi mode (P.10)→Connect to web album (P.15)

2 Select 'DISPLAY WEB ALBUM'

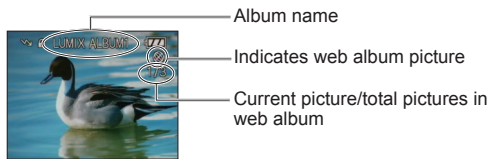


3 Select the album you wish to view



• To return: Press [Q.MENU/⏏]

4 The most recent picture is displayed



Previous picture Next picture

Most recently updated picture is displayed (only one picture can be displayed at a time).

• To scroll quickly:

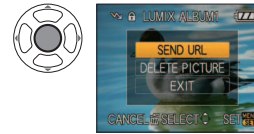


Hold down

Only picture numbers will scroll - release button when desired picture number is reached.

■To cancel display

1 While picture is displayed Press [MENU/SET]



Menu is displayed.

• To return: Press [Q.MENU/⏏]

2 Select 'EXIT'



• To return: Press [Q.MENU/⏏]

Return to step 3. To finish using the web album, press [Q.MENU/⏏] to return to the web album menu, and select 'DISCONNECT' (P.21).

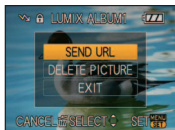
● In some cases, only pictures taken with this camera may be viewable.

6 Delete pictures from web album

You can use your camera to delete pictures uploaded to your web album.

1 Entering Wi-Fi mode (P.10)→Connect to web album (P.15)→View pictures in web album (P.18)

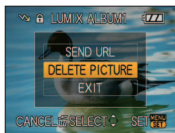
2 While picture is displayed
Press [MENU/SET]



• To return: Press [Q.MENU/🗑️]

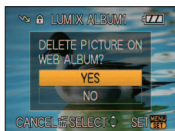
Menu is displayed.

3 Select 'DELETE PICTURE'



• To return: Press [Q.MENU/🗑️]

4 When 'DELETE PICTURE ON WEB ALBUM?' is displayed
Select 'YES' and confirm



• To return: Press [Q.MENU/🗑️]

Pictures will be deleted from your web album.

Press [MENU/SET] when 'IMAGE DELETED' is displayed to return to picture displays. To finish using the web album, cancel the connection (P.21).

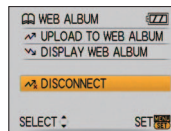
- Pressing [MENU/SET] during deletion will cancel the communication, but pictures may have been deleted already.

7 Cancel connection to web album

Cancel the connection to your web album.

1 Entering Wi-Fi mode (P.10)→Connect to web album (P.15)

2 Select 'DISCONNECT'



- **Always disconnect when you have finished using the web album.** Depending on your contract details, you may be charged if the camera is left connected for long periods.

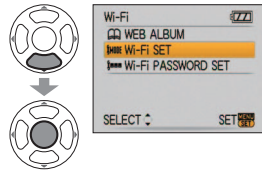
1 Send web album URL

Send your web album URL to a designated e-mail address. Only one address may be used at a time, but mobile telephone addresses are compatible. You can, for example, send the URL to your own mobile telephone, before adding your own comments and forwarding it on to others. The e-mail sent will contain URLs both for your web album and for pictures. By accessing the web album URL, you can see all of the pictures in the album. You can also let others see your pictures immediately just by sending the URL. **This function can only be used if a Gmail (e-mail service supplied by Google) address has been set as your Google account (P.12) Username (e-mail address).**

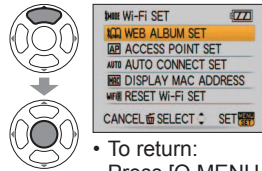
Setting e-mail address

Anyone that knows the URL can browse your pictures. Check that the address you have set is correct. (No error messages will be displayed or sent if e-mail addresses entered are incorrect.)

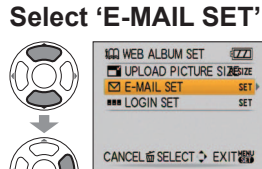
1 Entering Wi-Fi mode (P.10)



2 Select 'Wi-Fi SET'



3 Select 'WEB ALBUM SET'

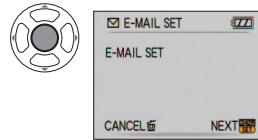


4 Select 'E-MAIL SET'

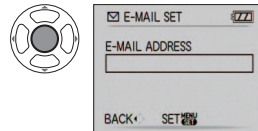
To return:
Press [Q.MENU/⏏]

To return:
Press [Q.MENU/⏏]

5 When E-MAIL SET screen is displayed Press [MENU/SET]

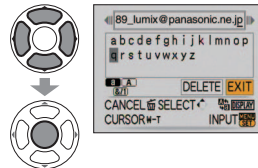


6 Go to input screen

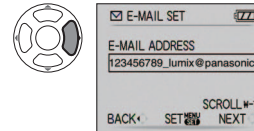


To return: Press ◀

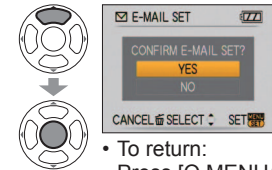
7 Enter e-mail address and confirm (Character input → P.11)



8 Check e-mail address and Press ▶



9 When 'CONFIRM E-MAIL SET?' is displayed Select 'YES' and confirm

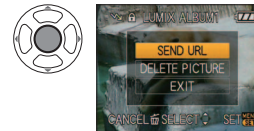


To return:
Press [Q.MENU/⏏]

Sending web album URL to e-mail address

1 Entering Wi-Fi mode (P.10) → Connect to web album (P.15) → View pictures in web album (P.18)

2 While picture is displayed Press [MENU/SET]



Menu is displayed.

3 Select 'SEND URL'



4 When 'SEND PICTURE URL LINK TO YOUR E-MAIL?' is displayed Select 'YES' and confirm



Web album URL will be send to previously set address.

To cancel sending:
Press [MENU/SET]

When 'E-MAIL SENT' is displayed, press [MENU/SET] to return to the web album menu. To finish using the web album, cancel the connection (P.21).

● The Gmail SMTP server is used to send e-mails.

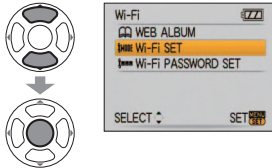
2 Change size of pictures to upload

Change the size of pictures before sending them to your web album. Larger pictures have better quality but take longer to send.

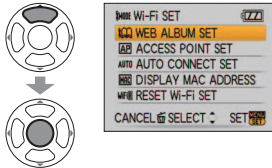
With the default settings, pictures with 4:3 aspect ratios are reduced to 3M, 3:2 to 2.5M, and 16:9 to 2M before sending.

1 Entering Wi-Fi mode (P.10)

2 Select 'Wi-Fi SET'

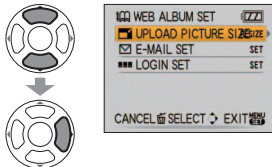


3 Select 'WEB ALBUM SET'



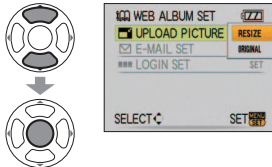
• To return: Press [Q.MENU/⏏]

4 Select 'UPLOAD PICTURE SIZE'



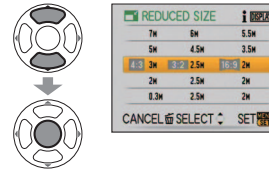
• To return: Press [Q.MENU/⏏]

5 Select 'RESIZE' or 'ORIGINAL'



'RESIZE' : Reduce picture size
'ORIGINAL' : Send in original size

6 (When 'RESIZE' selected) Select size and confirm



• To return: Press [Q.MENU/⏏]

Pictures of larger sizes will be reduced to the selected size before sending.
Pictures of smaller sizes than that selected will not be resized.

Time required to send one picture (estimated)

Picture size	Connection speed	Sending time
7M		
6M		
5.5M		
5M		
4.5M		
3M		
2.5M		
2M		
0.3M		

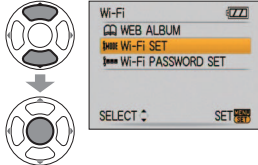
• Depending on connection conditions, sending ten pictures will take approximately ten times as long.

Connect to your web album using a T-Mobile@Home-compatible router.
Read your router's operating instructions thoroughly.

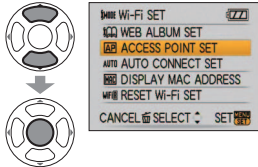
Registering access point

1 Entering Wi-Fi mode (P.10)

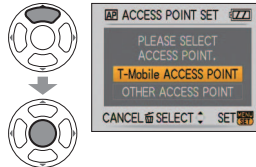
2 Select 'Wi-Fi SET'



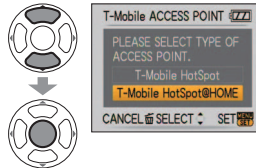
3 Select 'ACCESS POINT SET'



4 Select 'T-Mobile ACCESS POINT'



5 Select 'T-Mobile HotSpot@HOME'



6 Press your router's security button

■ If entering manually

Not decided

Connecting to web album

- (1) Perform step 1 and 2 on P.15
- (2) Select desired access point in step 3 on P.15

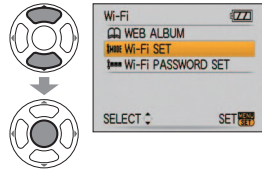
Applications 4 Using access points other than T-Mobile (home, public wireless LAN)

Connect to your web album using access points other than T-Mobile.
First, register your access point, then select it from the list to connect.

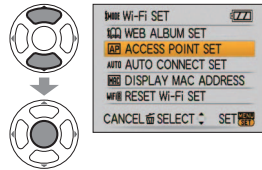
Registering access point

You can register up to eight access points, including the 'tmobile' which comes preset.

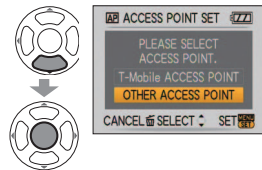
1 Entering Wi-Fi mode (P.10)



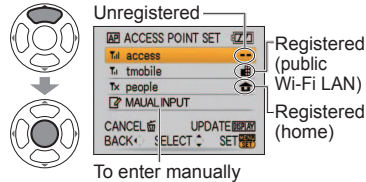
3 Select 'ACCESS POINT SET'



4 Select 'OTHER ACCESS POINT'



5 Select desired access point

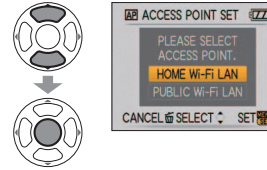


To enter manually

- To return: Press ◀
- To scan again: Press [DISPLAY]
- To change page: Turn zoom lever

- To enter 'SSID (network name)' and 'encryption key' (distributed by provider or network administrator) manually: Select 'MANUAL INPUT'
- To enter automatically: Select an unregistered access point

6 Select access point type



- To return: Press [Q.MENU/☒]

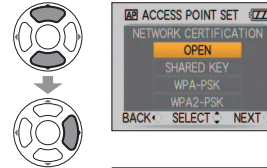
7 Check SSID (network name) and Press ▶



- To change SSID → Character input (P.11)
- To return: Press ◀

Skip to step 10 unless using 'MANUAL INPUT'.

8 Select network certificate type (only displayed in 'MANUAL INPUT')

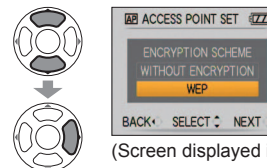


- To return: Press ◀

Network certificate	Available encryption
OPEN	WITHOUT ENCRYPTION, or WEP
SHARED KEY	WEP
WPA-PSK	TKIP / AES
WPA2-PSK	TKIP / AES

Selecting options other than 'WITHOUT ENCRYPTION' in 'OPEN' is recommended, to protect personal information.

9 Select encryption type (only displayed in 'MANUAL INPUT')



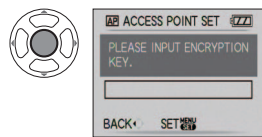
- To return: Press ◀

(Screen displayed if 'Open' selected in step 8)

Applications 4 Using access points other than T-Mobile (home, public wireless LAN) (Continued)

■ When selecting 'HOME Wi-Fi LAN' in step 6

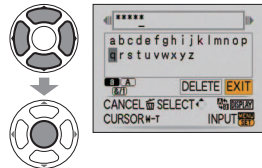
10 Go to input screen



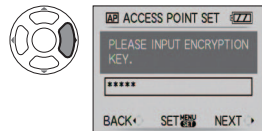
• To return: Press ◀

• This step is skipped if 'WITHOUT ENCRYPTION' is selected in step 9.

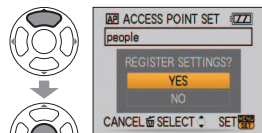
11 Enter encryption key and confirm (Character input → P.11)



12 Check encryption key and Press ▶



13 When 'REGISTER SETTINGS?' is displayed Select 'YES' and confirm

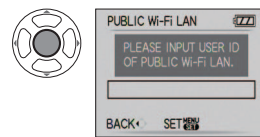


• To return: Press [Q.MENU/⏏]

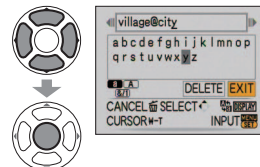
Access point is registered.

■ When selecting 'PUBLIC Wi-Fi LAN' in step 6

10 Go to input screen



11 Enter user ID and confirm (Character input → P.11)



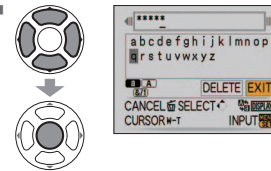
12 Check user ID and Press ▶



13 Go to input screen



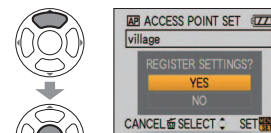
14 Enter password and confirm (Character input → P.11)



15 Check password and Press ▶



16 When 'REGISTER SETTINGS?' is displayed Select 'YES' and confirm



Access point is registered.

Connecting to web album

- (1) Perform step 1 and 2 on P.15
- (2) Select desired access point in step 3 on P.15

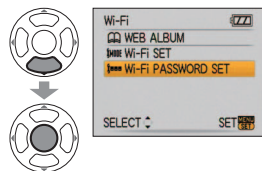
Setting a password is recommended, to avoid Wi-Fi usage through erroneous operation or by third parties, and to protect your personal information. Always remove Wi-Fi information when relinquishing or disposing of your camera, so that your personal information is not used by others.

Setting Wi-Fi password

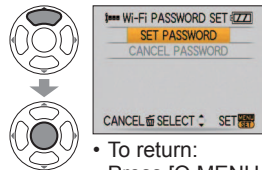
Make password entry necessary when entering Wi-Fi mode.

1 Entering Wi-Fi mode (P.10)

2 Select 'Wi-Fi PASSWORD SET'



3 Select 'SET PASSWORD'

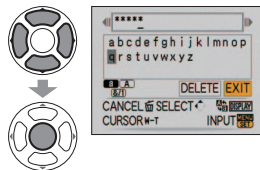


• To return:
Press [Q.MENU/⏏]

4 When 'INPUT NEW PASSWORD.' is displayed
Press [MENU/SET]



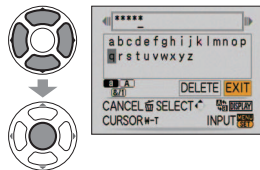
5 Enter password and confirm
(Character input → P.11)



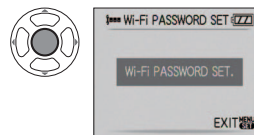
6 When 'INPUT NEW PASSWORD AGAIN.' is displayed
Press [MENU/SET]



7 Enter password again and confirm
(Character input → P.11)



8 When 'Wi-Fi PASSWORD SET.' is displayed
Press [MENU/SET]



Password is set.

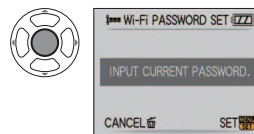
- **Always make a note of your password.** If you forget your password, you can reset it by performing a 'RESET Wi-Fi SET' from the Setup Menu (Main operating manual P.25), but settings information for access points other than 'tmobile' (user ID, password, etc.) will also be reset. ('tmobile' settings will be reset to default.)

Changing Wi-Fi password

Change your current password.

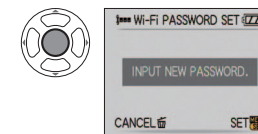
After steps 1-3 on left

4 When 'INPUT CURRENT PASSWORD.' is displayed
Press [MENU/SET]



After step 5 on left

6 When 'INPUT NEW PASSWORD.' is displayed
Press [MENU/SET]



Perform steps 5-8 on left.

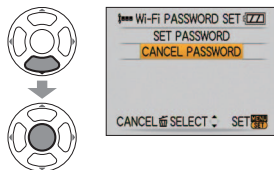
■ To enter Wi-Fi mode with password protection

- (1) Perform steps 1-4 on P.10
- (2) When 'INPUT MODEPASS' is displayed, press [MENU/SET]
- (3) Select characters with ▲▼◀▶ and confirm with [MENU/SET]. Repeat to enter whole password and press [MENU/SET]

Canceling Wi-Fi password setting

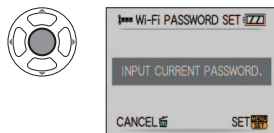
After step 1 and 2 on P.32

3 Select 'CANCEL PASSWORD'

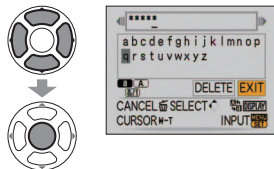


• To return: Press [Q.MENU/🗑️]

4 When 'INPUT CURRENT PASSWORD.' is displayed Press [MENU/SET]



5 Enter current password and confirm (Character input → P.11)



6 When 'Wi-Fi PASSWORD CANCELED.' is displayed Press [MENU/SET]

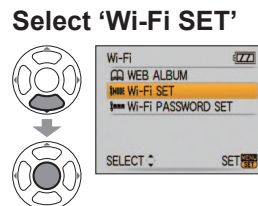


Deleting Wi-Fi information

Delete Wi-Fi information from your camera.

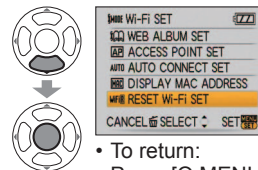
Always delete Wi-Fi information before relinquishing or disposing of your camera to ensure that your personal information is not erroneously used by others.

1 Entering Wi-Fi mode (P.10)



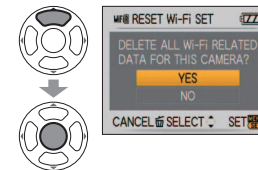
2 Select 'Wi-Fi SET'

3 Select 'RESET Wi-Fi SET'



• To return:
Press [Q.MENU/🗑️]

4 When 'DELETE ALL Wi-Fi RELATED DATA FOR THIS CAMERA?' is displayed Select 'YES' and confirm



5 When 'ALL Wi-Fi RELATED DATA HAS BEEN RESET FOR CAMERA.' is displayed Press [MENU/SET]



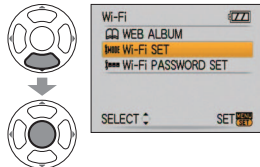
● Settings information for access points other than 'tmobile' (user ID, password, etc.) will also be reset. ('tmobile' settings will be reset to default.)

Applications 6 Updating T-Mobile settings

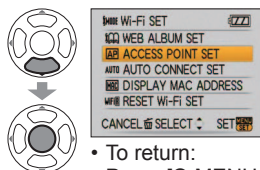
After purchasing a new T-Mobile HotSpot account, it is necessary to update the account settings on your camera.

1 Entering Wi-Fi mode (P.10)

2 Select 'Wi-Fi SET'

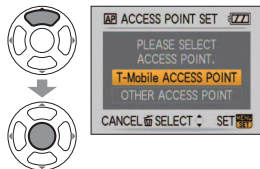


3 Select 'ACCESS POINT SET'

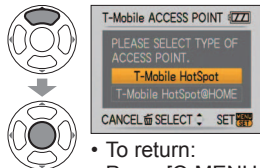


• To return:
Press [Q.MENU]

4 Select 'T-Mobile ACCESS POINT'

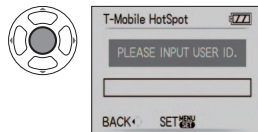


5 Select 'T-Mobile HotSpot'



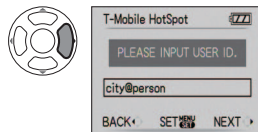
• To return:
Press [Q.MENU]

6 Go to input screen

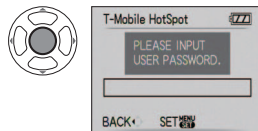


7 Enter user ID and confirm (Character input → P.11)

8 Check user ID and Press ►

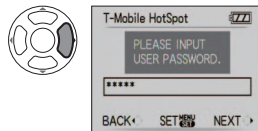


9 Go to input screen



10 Enter password and confirm (Character input → P.11)

11 Check password and Press ►



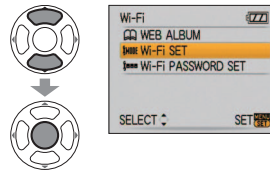
12 When 'REGISTER SETTINGS?' is displayed Select 'YES' with ▲ and confirm with [MENU/SET]

Applications 7 Automatic connection settings

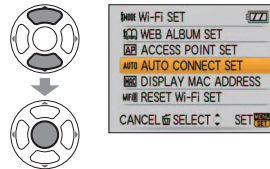
Designate the registered access points you use mode often to enable automatic connect without the need to select the access point.

1 Entering Wi-Fi mode (P.10)

2 Select 'Wi-Fi SET'

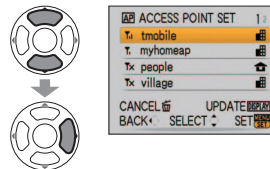


3 Select 'AUTO CONNECT SET'



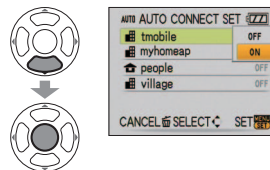
• To return: Press [Q.MENU]

4 Select an access point



• To return: Press [Q.MENU]

5 Select 'ON'



- If multiple access points have been set to 'ON', the camera will connect to the one with the strongest reception.
- If connection could not be established automatically, a list of the available access points will be displayed for you to select from.

Message displays

Meanings and ways to respond to the main messages displayed on the LCD monitor.

Message	Remarks
AUTO SET WAS FAILED. PLEASE CHECK THE HOME ROUTER SETTINGS.	Check and update the access point settings.
ACCESS POINT CONNECTION WAS FAILED.	<ul style="list-style-type: none"> The access point information set to your camera is incorrect. Check the certificate format, the encryption format, and the encryption key. Reception is weak. Try moving closer to the access point.
CONNECTION WAS FAILED.	<ul style="list-style-type: none"> The access point is switched off. The access point selected is not supported by this camera.
CANNOT DISPLAY	Picture cannot be played back on this camera.
CANNOT SEND E-MAIL	<ul style="list-style-type: none"> The selected picture does not exist. Destination e-mail address is incorrect. Check the destination e-mail address. Could not establish communication. Try again later.
DISCONNECTED	Reception is weak. Try moving closer to the access point.
FAILED TO COMMUNICATE	<ul style="list-style-type: none"> Reception is weak. Try moving closer to the access point. No response from the server, or communication has timed out. Try again later.
FAILED TO DELETE IMAGE	The picture you have tried to delete does not exist.
FAILED TO LOGIN	<ul style="list-style-type: none"> Public wireless LAN ID and/or password are incorrect. This public wireless LAN service may not be supported on this camera.
IP ALLOCATION WAS FAILED.	<ul style="list-style-type: none"> The access point DHCP server is not working. There is no response from the access point. Check the access point settings.

Message	Remarks
LOGIN ERROR: ACCOUNT EXPIRED OR INVALID. CONTACT T-Mobile HotSpot @ 877-822-SPOT	Your T-Mobile ID/password usage period has expired. Input a valid ID/password into your camera (P.36).
LOGIN ID/PASSWORD AUTHORIZATION FAILED.	Check web album login ID and password.
MAXIMUM NUMBER OF IMAGE UPLOADS REACHED.	<ul style="list-style-type: none"> Upload your pictures to a different album. Delete any unneeded pictures (P.20).
MAXIMUM STORAGE SPACE REACHED ON WEB ALBUM.	Delete any unneeded pictures (P.20).
NO PICTURE TO DISPLAY	There are no pictures in your web album.
PLEASE SET ACCESS POINT.	Make access point settings in 'Wi-Fi SET' → 'ACCESS POINT SET'.
WEB ALBUM NOT FOUND	Try again. If your album still cannot be found, it may have been deleted.

	Problem	Remarks
Access Point	I cannot register access points	Has the maximum number of access points been reached? (Maximum of 8 access points, including default 'tmobile')
	I want to use my camera without encryption	As data is sent wirelessly, the possibility of interception cannot be avoided. Using encryption is recommended.
Web Album	I have forgotten my web album password	See the following URL for a guide to password reissues from Picasa Web Albums. picasaweb.google.com/ (correct as of April 2008)
	No access points are displayed. I cannot connect to an access point	<ul style="list-style-type: none"> • If you are suddenly unable to use T-Mobile HotSpots having successfully used them before, it is possible that your user ID usage period has expired. Purchase a T-Mobile HotSpot account and make the appropriate settings on your camera to use the service again. Contact T-Mobile for details. (Updating settings → P.36) • Check that the access point you wish to connect to is currently open for use. • Access points may not be displayed if reception is poor. • Depending on their settings, some access points may not be displayed even if reception is available. Check the access point settings. • Try the following <ul style="list-style-type: none"> - Bring the camera (particularly the antenna grip part) closer to the access point - Remove any obstacles between the camera and the access point - Point the camera in different directions
	I want to swap between the card and the internal memory when sending pictures	You cannot swap between the card and the internal memory during communication. You can only use the card (or internal memory) in use when communication with the access point is established.
	Pictures cannot be sent to/displayed in/deleted from my web album	It is possible that the web album server or the connection line is busy. Try again later.

	Problem	Remarks
Web Album	Sending pictures to my web album takes a long time	Are your pictures particularly large? Resize your pictures using 'Change size of pictures to upload' (P.24).
	I cannot see my web album any more	If you change the name of your web album via your computer, you will be unable to view it with your camera. You can still view it with your computer.
	Older pictures are displayed first when viewing web album pictures	The date of pictures edited on your computer will be the date of editing, not the date the pictures were taken. Display orders may be affected by web album picture management rules.
	I want to change my web album 'Private'/'Public' settings	Your web album can be set to either 'Only people I have informed can view (Private)' or 'Anyone can view (Public)', but this setting cannot be changed via your camera. Change the setting with your computer.
	E-mails containing the URL are not delivered/I cannot send e-mails	<ul style="list-style-type: none"> • Check that the e-mail address has been set correctly (P.22). • This function can only be used if a Gmail (e-mail service supplied by Google) address has been set as your Google account (P.12) Username (e-mail address).
Others	I can only select one picture to send, even when using 'MULTI SELECT'	Web album picture or data capacity is full. Delete unneeded pictures from your web album (P.20).
	I have forgotten my Wi-Fi mode password	Perform a 'RESET Wi-Fi SET' from the Setup Menu. Note that Settings information for access points other than 'tmobile' (user ID, password, etc.) will also be reset. ('tmobile' settings will be reset to default.)
	I want to know my camera's MAC address	Select 'Wi-Fi SET' → 'DISPLAY MAC ADDRESS'. (MAC address: Globally unique identification codes given individually to each network device - in this case the camera.)

Wireless transmitter

Standards	IEEE 802.11 b/g (standard wireless LAN protocol) ARIB STD-T66 (low power data transmission system standards)
Communications protocols	IEEE 802.11g: OFDM IEEE 802.11b: DSSS
Communication distance (approximate)	Approx. 50 m (may be affected by obstacles and weather conditions)
Frequency range (center frequency)	2412-2462 MHz (11 channels)
Data transmission speeds (standard values)	IEEE 802.11g: 54M/48M/36M/24M/18M/12M/9M/6M (bps) IEEE 802.11b: 11M/5.5M/2M/1M (bps)
Security	128/64 bit WEP, TKIP, AES
Access format	Infrastructure mode

Estimated maximum battery life (with fully-charged battery): 00 hours 00 minutes
(Battery life is affected by signal reception, usage conditions, and usage environment)

Usage environment memo

Contract provider	
Contract broadband service	
Modem	Manufacturer
	Product name
Course/plan	
IP telephone contract	Yes/No
Condo-type contract	Yes/No

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