Canon

Sending Images to a Web Service

Preparation

Signing Up as a CANON iMAGE GATEWAY Member

To send images to Web services, you need to sign up as a CANON iMAGE GATEWAY member (free of charge).

Once you are a CANON iMAGE GATEWAY member, you can publish photos you took in online photo albums and use a range of services. The website also serves as a bridge to send images from the camera to other Web services, such as Facebook, Twitter and YouTube and email. Connect to the Internet using a computer or other device, access "http://canon.com/cig" to enter the CANON iMAGE GATEWAY site for the area you live in, then sign up as a member by following the instructions. If you also intend to use Web services other than CANON iMAGE GATEWAY, you must have an account with the services you intend to use. For details, consult each individual Web service's website.

- To use CANON iMAGE GATEWAY, you must be able to connect to the Internet. (An account with an internet service provider is necessary, browser software needs to be installed, and a line connection must be completed.)
- For information on browser (e.g. Microsoft Internet Explorer) versions and settings required to access CANON iMAGE GATEWAY, check CANON iMAGE GATEWAY.
- Fees to connect to your provider and communication fees to access your provider's access point are charged separately.

Information about countries and areas where CANON iMAGE GATEWAY service is provided is available at Canon's website (http://canon.com/cig).

The general procedure for sending images to a Web service is as follows.

1 Prepare a computer on which EOS Utility has been installed.

Use the software CD-ROM provided with the camera to install EOS Utility.

2 Access Canon website from the computer and sign up as a CANON iMAGE GATEWAY member (free of charge).

If you are already a member, proceed to step 3.

3 Connect the camera and computer with an interface cable.

Before connection, set [Wi-Fi] to [Disable].

4 Start EOS Utility on the computer, log in to CANON iMAGE GATEWAY, then configure the camera's settings to enable access to Web services.

For details, refer to the EOS Utility instruction manual (CD-ROM).

5 Connect to the wireless LAN access point from the camera (p.106).

6 Send images to a Web service registered on the camera (p.120).

Still photos can be sent to CANON iMAGE GATEWAY and movies can be sent to YouTube.

You can share images with your family and friends by posting a link for the images on Facebook* or Twitter, or by sending it to email addresses registered on the camera.

* You can also upload images directly to Facebook.

Configuring Settings to Use Web Services

Start EOS Utility on the computer, log in to CANON iMAGE GATEWAY, then configure the camera's settings to enable access to Web services. For details, refer to the EOS Utility instruction manual (CD-ROM).

Checking the Type of Access Point

● **When Wi-Fi Protected Setup (WPS) is supported**
- p.107: Easy Connection via WPS (PBC Mode)
- p.111: Easy Connection via WPS (PIN Mode)

● **When WPS is not supported**
- p.115: Manual Connection by Searching Networks

If you do not know if the access point you use is WPS-compatible, refer to the access point instruction manual or other documents.

When connecting to a network that has a network administrator, ask the administrator about the detailed setting procedures.

If the network you use filters by MAC address, register the MAC address of the camera at the access point. The MAC address can be checked on the [**General sett.**] screen (p.149).

Easy Connection via WPS (PBC Mode)

This is a connection mode available when using an access point compatible with Wi-Fi Protected Setup (WPS). In pushbutton connection mode (PBC mode), the camera and access point can be connected simply by pressing the WPS button for the access point. Note that if multiple access points are active in the surrounding area, it may be more difficult to establish a connection. In this case, try using **[WPS (PIN mode)]** to establish a connection.
Check the position of the WPS button at the access point in advance. It may take about one minute to establish a connection.
If stealth functions of the access point are enabled, connection may be disabled. Deactivate stealth functions.
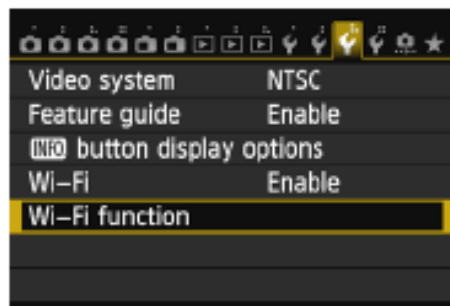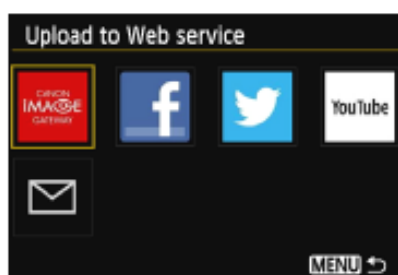
1 **Select [Wi-Fi function].**
- Under the [**⌁3**] tab, set [Wi-Fi] to [**Enable**], then select [**Wi-Fi function**].

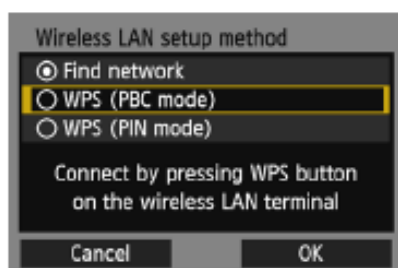**2** **Select [⊕].**
- Select [⊕] (Upload to Web service) and press <SET>.

3 **Select a Web service.**

- Select a Web service to connect to, then press <(SET)>.
- The contents and ordering of the list of items displayed will vary depending on settings.
- The Web service to connect to can be changed later (p.126).
- ► When [✉] (Email) is selected, a list of registered addresses is displayed (p.125).

4 **Select [WPS (PBC mode)].**

- Press the <▲▼> key to select [**WPS (PBC mode)**], then press <(SET)>.
- Select [**OK**] and press <(SET)> to go to the next screen.
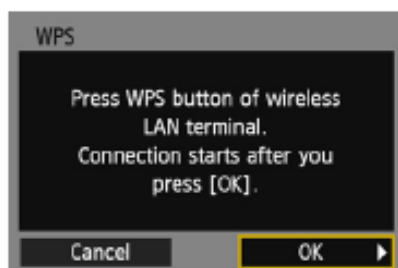
5 **Connect to the access point.**

- Press the access point's WPS button. For details about where the button is located and how long to press it, refer to the access point's instruction manual.
- Select [**OK**] and press <(SET)> to establish a connection with the access point.
- ► When a connection with the access point is established, the [**IP address set.**] screen is displayed.
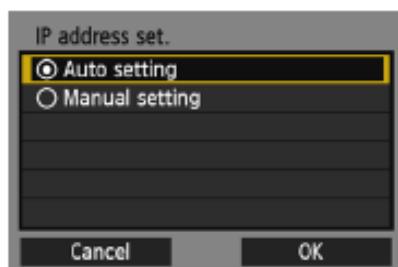
6 **Set the IP Address.**

- Press the <▲▼> key to select how the IP address should be set, then press <(SET)>.
- Select [**OK**] and press <(SET)> to go to the next screen.

[Auto setting]

- Configures the settings available in [**Manual setting**] automatically. However, this option can only be used in environments using DHCP servers or access points or routers with DHCP server functionality, such that IP addresses and related settings are assigned and configured automatically.
 If an error is displayed even though the IP address and related settings should be automatically assigned and configured, select [**Manual setting**].
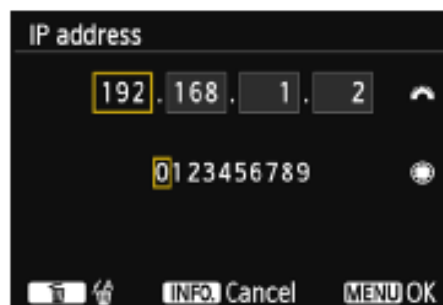
[Manual setting]

- If [**Auto setting**] results in an error, enter the IP address manually. Enter the IP address assigned to the camera when prompted for the IP address.
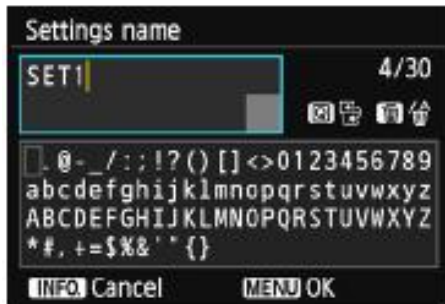 Enter the [**IP address**], [**Subnet mask**], [**Gateway**], and [**DNS address**] on each screen as they are displayed.
  If you are not sure about what to enter, see "Checking Network Settings" (p.166) or ask your network administrator or another person knowledgeable about the network.
- When entering numbers such as IP address or subnet mask, turn the <✎> dial to move the input position on the upper area and turn the <◯> dial to select the number. Press <(SET)> to enter the selected number.
- When you have finished entering information, press the <MENU> button. A confirmation screen is not displayed.

Connecting to a Web Service

1 Perform further settings.

- To finish settings in this stage, press the < ▲▼ > key to select [**OK**], then press < ⑤ > to go to step 2.
- To change the name of the settings, select [**Settings name**] and press < ⑤ >.
- ▶ The virtual keyboard is displayed (p.14). Up to 30 characters can be entered for a settings name.

2 Save the settings.

- Select [**OK**] and press < ⑤ > to save the settings.
- ▶ After the settings are saved, the images on the card are displayed and the images to send can be selected.
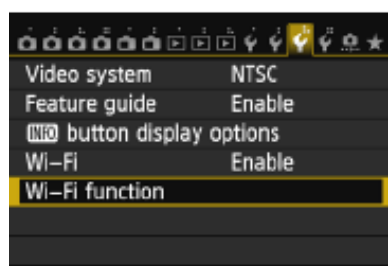
The settings for networking with Web services are now complete.

Easy Connection via WPS (PIN Mode)

This is a connection mode available when using an access point compatible with Wi-Fi Protected Setup (WPS). In the PIN code connection mode (PIN mode), an 8-digit identification number specified on the camera is set at the access point to establish a connection. Even if there are multiple access points active in the surrounding area, a relatively reliable connection can be established using a shared identification number.
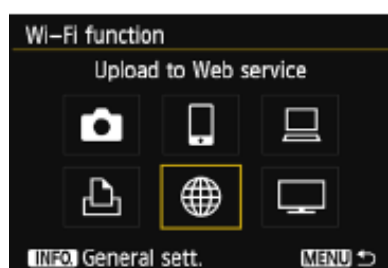
It may take about one minute to establish a connection.

If stealth functions of the access point are enabled, connection may be disabled. Deactivate stealth functions.
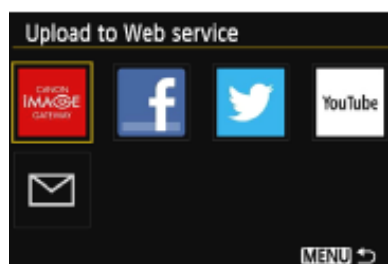
1 Select [Wi-Fi function].

● Under the [♥3] tab, set [Wi-Fi] to [Enable], then select [Wi-Fi function].
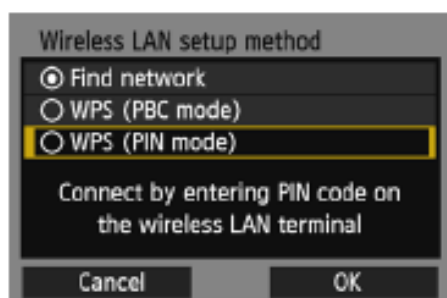
2 Select [⊕].

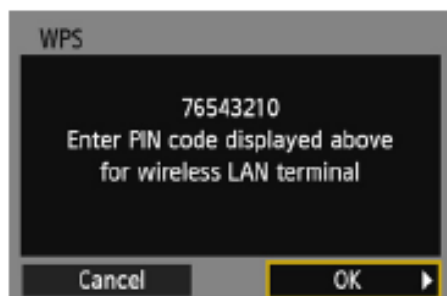● Select [⊕] (Upload to Web service) and press <⑤⑤⑦>.

3 Select a Web service.

● Select a Web service to connect to and press <⑤⑤⑦>.
● The contents and ordering of the list of items displayed will vary depending on settings.
● The Web service to connect to can be changed later (p.126).
● When [✉] (Email) is selected, a list of registered addresses is displayed (p.125).

4 **Select [WPS (PIN mode)].**

> Wireless LAN setup method
> ◉ Find network
> ○ WPS (PBC mode)
> ○ WPS (PIN mode)
> Connect by entering PIN code on the wireless LAN terminal
> Cancel   OK

- Press the < **▲▼** > key to select [**WPS (PIN mode)**], then press < (SET) >.
- Select [**OK**] and press < (SET) > to go to the next screen.

5 **Specify the PIN code at the access point.**

> WPS
> 76543210
> Enter PIN code displayed above for wireless LAN terminal
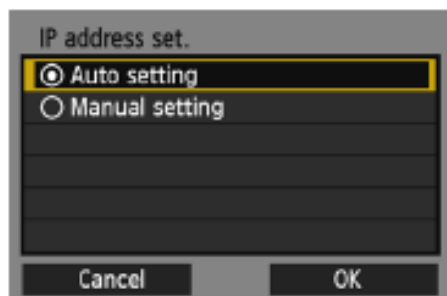> Cancel   OK ▶

- At the access point, specify the 8-digit PIN code displayed on the camera's LCD monitor.
- For instructions on setting PIN codes at the access point, refer to the access point's instruction manual.
- After the PIN code is specified, select [**OK**] and press < (SET) >.
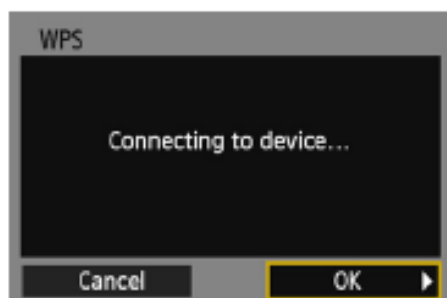
6 **Connect to the access point.**

> WPS
> Connecting to device...
> Cancel   OK ▶

- Select [**OK**] and press < (SET) > to establish a connection with the access point.
- ▶ When a connection with the access point is established, the [**IP address set.**] screen is displayed.

7 **Set the IP Address.**

> IP address set.
> ◉ Auto setting
> ○ Manual setting
> Cancel   OK

- Press the < **▲▼** > key to select how the IP address should be set, then press < (SET) >.
- Select [**OK**] and press < (SET) > to go to the next screen.

[Auto setting]

● Configures the settings available in [**Manual setting**] automatically. However, this option can only be used in environments using DHCP servers or access points or routers with DHCP server functionality, such that IP addresses and related settings are assigned and configured automatically.
If an error is displayed even though the IP address and related settings should be automatically assigned and configured, select [**Manual setting**].
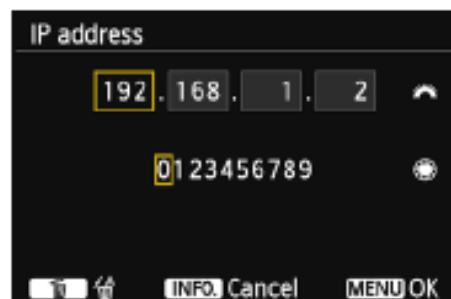
[Manual setting]

● If [**Auto setting**] results in an error, enter the IP address manually. Enter the IP address assigned to the camera when prompted for the IP address.
Enter the [**IP address**], [**Subnet mask**], [**Gateway**], and [**DNS address**] on each screen as they are displayed.
If you are not sure about what to enter, see "Checking Network Settings" (p.166) or ask your network administrator or another person knowledgeable about the network.

● When entering numbers such as IP address or subnet mask, turn the <✎> dial to move the input position on the upper area and turn the <◯> dial to select the number. Press <(SET)> to enter the selected number.

● When you have finished entering information, press the <MENU> button. A confirmation screen is not displayed.

Connecting to a Web Service

1 Perform further settings.

- To finish settings in this stage, press the < ▲▼ > key to select [**OK**], then press < ⒮ℰⓣ > to go to step 2.
- To change the name of the settings, select [**Settings name**] and press < ⒮ℰⓣ >.
- ▶ The virtual keyboard is displayed (p.14). Up to 30 characters can be entered for a settings name.

2 Save the settings.

- Select [**OK**] and press < ⒮ℰⓣ > to save the settings.
- ▶ After the settings are saved, the images on the card are displayed and the images to send can be selected.

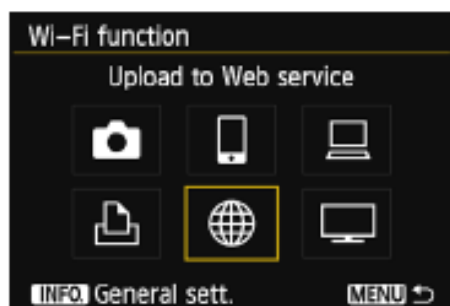The settings for networking with Web services are now complete.

Selecting the Wireless Network

When [**Find network**] is selected, a list of active access points nearby is displayed, accompanied by information about them. Select the SSID (or ESS-ID) of the access point to connect to.
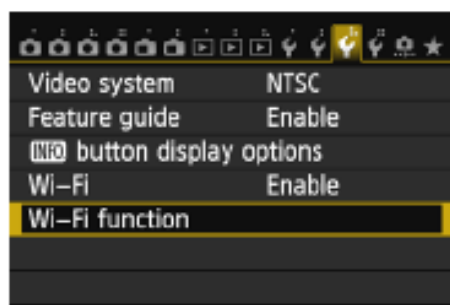
1 **Select [Wi-Fi function].**
- Under the [♥3] tab, set [**Wi-Fi**] to [**Enable**], then select [**Wi-Fi function**].

2 **Select [⊕].**
- Select [⊕] (Upload to Web service) and press <(SET)>.
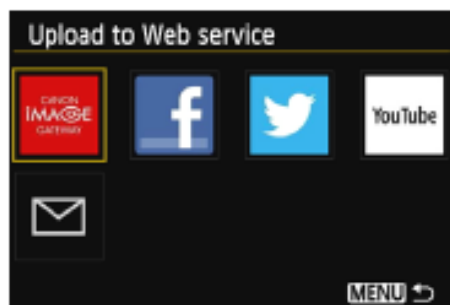
3 **Select a Web service.**
- Select a Web service to connect to and press <(SET)>.
- The contents and ordering of the list of items displayed will vary depending on settings.
- The Web service to connect to can be changed later (p.126).
- When [✉] (Email) is selected, a list of registered addresses is displayed (p.125).

4 Select [Find network].

- Press the <▲▼> key to select [Find network], then press <(SET)>.
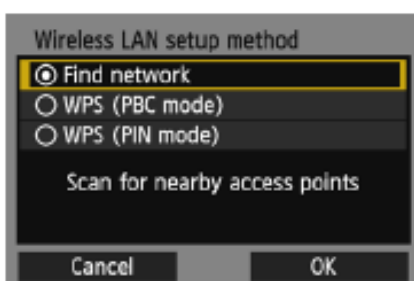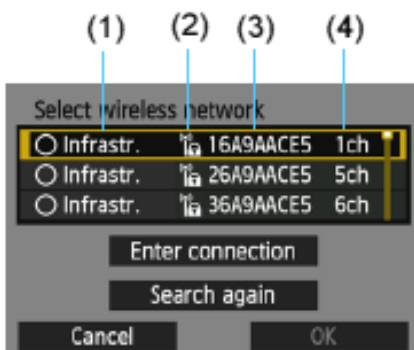- Select [OK] and press <(SET)> to go to the next screen.

5 Select an access point.

- Press <(SET)> to enable the selection of an access point.
- Press the <▲▼> key to select an access point, then press <(SET)>.
- Select [OK] and press <(SET)> to go to the next screen.

(1) Indicates whether the device is in infrastructure or ad hoc mode
(2) An icon is displayed if the access point is encrypted
(3) First nine characters of the SSID
(4) Channel used

Access point encryption

This camera supports the following options for [Authentication] and [Encryption settings]. Therefore, the encryption used by the access point should be one of the following.

- [Authentication]: Open system, Shared key, WPA-PSK, or WPA2-PSK
- [Encryption settings]: WEP, TKIP, and AES

## [Enter connection] and [Search again]

- To configure settings for the access point manually, select [Enter connection] and press <(SET)>. Follow the procedures displayed to complete the settings.
- To search for access points again, select [Search again] and press <(SET)>.

Entering the Wireless LAN Encryption Key

Set the encryption key specified for the access point. For details on the specified encryption key, refer to the access point's instruction manual. Note that the screens displayed in steps 1 to 3 below vary depending on the authentication and encryption specified for the access point.

1
- The [**Key index**] screen is displayed only if WEP encryption is used by the access point.
- Press the < ▲▼ > key to select the key index number specified for the access point, then press <ⓈⒺⓉ>.
- Select [**OK**] and press <ⓈⒺⓉ> to go to the next screen.
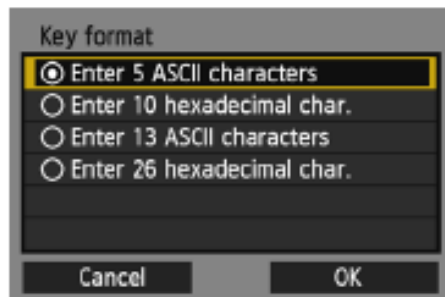
2
- Press the < ▲▼ > key to select the format and the number of characters used for the key, then press <ⓈⒺⓉ>.
- Select [**OK**] and press <ⓈⒺⓉ> to go to the next screen.
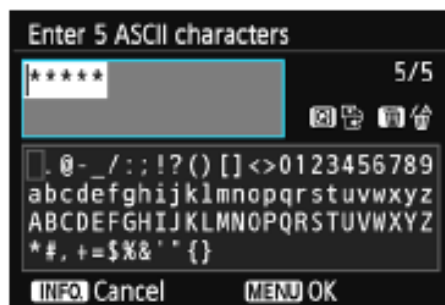
3
- Enter the encryption key using the virtual keyboard (p.14).
- ▶ The [**IP address set.**] screen (p.118) will be displayed.

Setting the IP Address
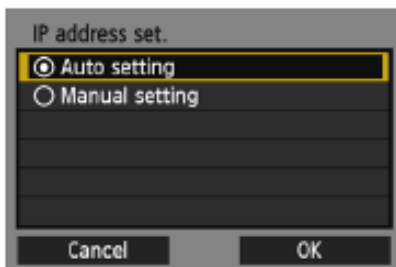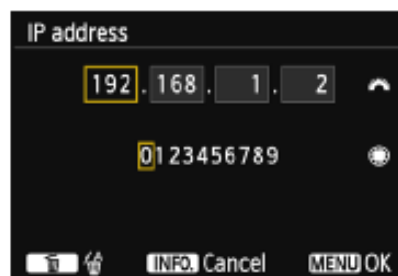
IP address set.

⦿ Auto setting
○ Manual setting

Cancel   OK

- Press the < ▲▼ > key to select how the IP address should be set, then press < (SET) >.
- Select [**OK**] and press < (SET) > to go to the next screen.

[Auto setting]

- Configures the settings available in [**Manual setting**] automatically. However, this option can only be used in environments using DHCP servers or access points or routers with DHCP server functionality, such that IP addresses and related settings are assigned and configured automatically.
  If an error is displayed even though the IP address and related settings should be automatically assigned and configured, select [**Manual setting**].

[Manual setting]

- If [**Auto setting**] results in an error, enter the IP address manually. Enter the IP address assigned to the camera when prompted for the IP address. Enter the [**IP address**], [**Subnet mask**], [**Gateway**], and [**DNS address**] on each screen as they are displayed.
  If you are not sure about what to enter, see "Checking Network Settings" (p.166) or ask your network administrator or another person knowledgeable about the network.
- When entering numbers such as IP address or subnet mask, turn the < ⌒ > dial to move the input position on the upper area and turn the < ◯ > dial to select the number. Press < (SET) > to enter the selected number.

IP address

192 . 168 . 1 . 2

0 1 2 3 4 5 6 7 8 9

INFO. Cancel   MENU OK

- When you have finished entering information, press the < MENU > button. A confirmation screen is not displayed.

Connecting to a Web Service

1 **Perform further settings.**

- To finish settings in this stage, press the < ▲▼ > key to select [**OK**], then press < ⊛ > to go to step 2.
- To change the name of the settings, select [**Settings name**] and press < ⊛ >.

▶ The virtual keyboard is displayed (p.14). Up to 30 characters can be entered for a settings name.

2 **Save the settings.**

- Select [**OK**] and press < ⊛ > to save the settings.

▶ After the settings are saved, the images on the card are displayed and the images to send can be selected.

The settings for networking with Web services are now complete.

Sending Images to a Web Service

You can share the images you take with other people by sending the images to a Web service registered on the camera, such as Facebook, Twitter and YouTube or email address.

When the destination is a Web service other than YouTube still photos in JPEG format can be sent. Still photos are uploaded to CANON iMAGE GATEWAY and a link to the album is sent to Facebook* or Twitter and email addresses.

When YouTube is specified as the destination, movies can be sent. Movies are uploaded to the YouTube website.

* You can also upload images directly to Facebook.

Sending Images One by One

Selected images are sent one by one.
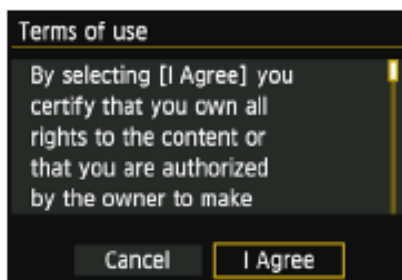
1 **Select an image to send.**
- Press the < ◄► > key to select an image to send, then press < (SET) >.
- Press the < Q > button and turn the < ⚙ > dial to the left to select an image on the index display. To return to the single-image display, turn the < ⚙ > dial to the right.

2 **Select [Send img shown].**
- To select the size of the image to send, press the < ◄► > key and select [**Resize image**].
- Press the < ◄► > key to select [**Send img shown**], then press < (SET) >.
▶ The transfer progress screen is displayed.
- On the screen to complete the process for sending the image, select [**OK**] and press < (SET) > to terminate the connection.

Terms of use

By selecting [I Agree] you
certify that you own all
rights to the content or
that you are authorized
by the owner to make

Cancel   I Agree

- When YouTube is selected as the destination, the [**Terms of use**] screen is displayed.
- Read the terms of use thoroughly, press the <◄►> key to select [**I Agree**], then press <⊕>.
- The viewing area of the screen can be scrolled up and down by pressing the <▲▼> key.

If playback or shooting operation is started during the connection, the connection will be terminated.

When accessing CANON iMAGE GATEWAY from a computer, you can check the uploading history to Facebook, Twitter, and YouTube, or email sending history.

Sending Selected Images

Multiple images can be selected and sent.

1 **Press < (SET) >.**

2 **Select [Send selected].**
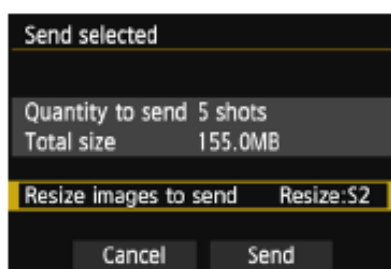- To select the size of the image to send, press the < ◄► > key and select [**Resize image**].
- Press the < ◄► > key to select [**Send selected**], then press < (SET) >.

**3** **Select the images to send.**
- Press the < ◄► > key to select images to send, then press < (SET) >.
- ► < ✓ > is displayed on the upper left of the images to send.

- Press the < Q > button and turn the < ⌒ > dial to the left to select an image on the three-image display. To return to the single-image display, turn the < ⌒ > dial to the right.
- After selecting the images to send, press the < Q > button.

Send selected

Quantity to send	5 shots
Total size	155.0MB

Resize images to send	Resize:S2

Cancel	Send

Send selected

Quantity to send	5 shots
Total size	155.0MB

Resize images to send	Resize:S2

Cancel	Send

Terms of use

By selecting [I Agree] you
certify that you own all
rights to the content or
that you are authorized
by the owner to make

Cancel	I Agree

4 Reduce the image size.

- Set it if necessary.
- For the setting procedures, see the next page.
- When YouTube is selected as the destination, [**Resize images to send**] is not displayed.
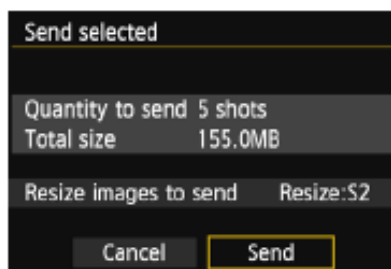
5 Send the images.

- Press the < ▲▼ > key to select [**Send**], then press < (SET) >.
- ▶ The transfer progress screen is displayed.
- On the screen to complete the process for sending images, select [**OK**] and press < (SET) > to terminate the connection.
- When YouTube is selected as the destination, the [**Terms of use**] screen is displayed.
- Read the terms of use thoroughly, press the < ◄► > key to select [**I Agree**], then press < (SET) >.
- The viewing area of the screen can be scrolled up and down by pressing the < ▲▼ > key.
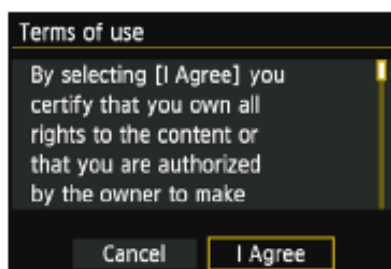
- When sending large-size data, make sure that the battery is adequately charged so it does not run out during the process.
- If playback or shooting operation is started during the connection, the connection will be terminated.
- Note that YouTube is not compatible with the movies recorded in ALL-I (I-only) compression method (as of September, 2012).

- You can send up to 50 files to CANON iMAGE GATEWAY at a time.
- You can send up to 10 movie files at a time. To confirm the limits for file size and playback time, check the YouTube website.
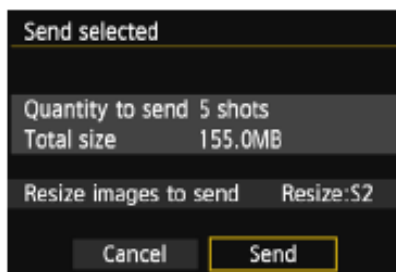
Reducing the Size of the Image to Send

When [**Send selected**] is selected, the size of the images to send can be selected in the confirmation screen for sending them as well.

Send selected	
Quantity to send	5 shots
Total size	155.0MB
Resize images to send	Orig size
Cancel	Send
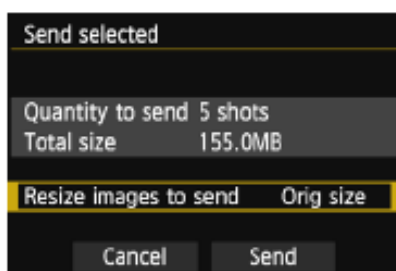
1 **Select [Resize images to send].**
- On the confirmation screen for sending images, press the < ▲▼ > key to select [**Resize images to send**], then press < (SET) >.

Resize image	
Orig size	
Resize:S2	
Resize:S3	
	MENU ↩

2 **Select the image size.**
- Press the < ▲▼ > key to select an image size, then press < (SET) >.

Send selected	
Quantity to send	5 shots
Total size	155.0MB
Resize images to send	Resize:S2
Cancel	Send

3 **Send the images.**
- Press the < ▲▼ > key to select [**Send**], then press < (SET) > to send the images.

- Only images larger than the selected image size are resized.
- Movies cannot be resized.
- [**Resize:S2**] and [**Resize:S3**] are enabled only for still photos taken by the EOS 6D (WG). Images taken by other cameras are sent without resizing.

Sending an Email

You can send emails to registered destinations. Each email will contain a link to the album to which the images were uploaded.
To register email destinations and specify the title and text of the emails to be sent, you must use a computer. For more information, refer to the EOS Utility instruction manual (CD-ROM).

- When [✉] (Email) is selected on the [**Upload to Web service**] screen, the [**Send to**] screen is displayed.
- Select the destination from the list of registered destinations and press <(SET)>.
- The procedure for sending images is the same as the procedure for sending images to other Web services.

Reconnecting

The camera can reconnect to a Web service for which connection settings have been registered. The connection to the access point only has to be established once. You do not need to establish a new connection for each Web service.
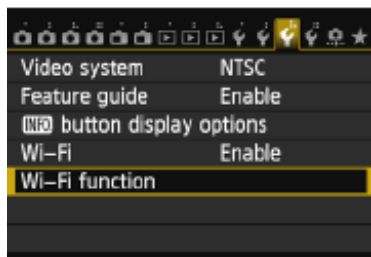
1 **Select [Wi-Fi function].**
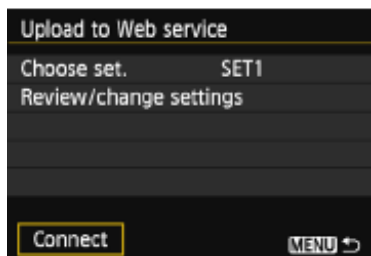- Under the [♦3] tab, set [Wi-Fi] to [**Enable**], then select [**Wi-Fi function**].

2 **Select [⊕].**
- Select [⊕] (Upload to Web service) and press <(SET)>.

3 **Select a Web service.**
- Select a Web service and press <(SET)>.
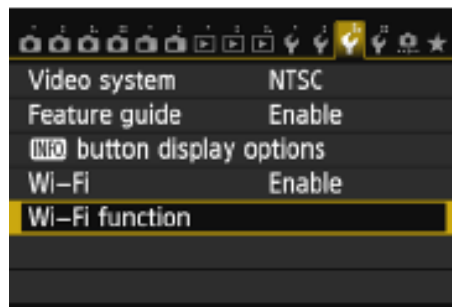- ▶ When [✉] (Email) is selected, a list of registered addresses is displayed (p.125).
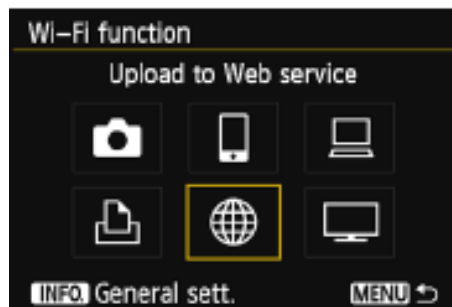
4 **Establish a connection.**
- Select [**Connect**] and press <(SET)>.
- On the confirmation screen, select [**OK**].
- ▶ The camera will reconnect to the Web service.
- When settings for multiple connection destinations are registered, select [**Choose set.**], select the connection destination, then connect to the destination.
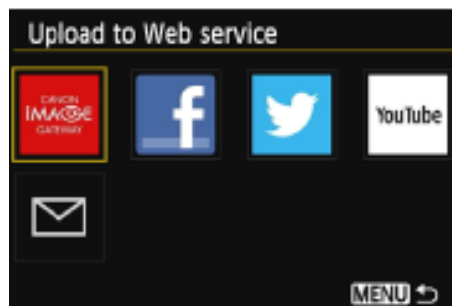
Registering Multiple Connection Settings

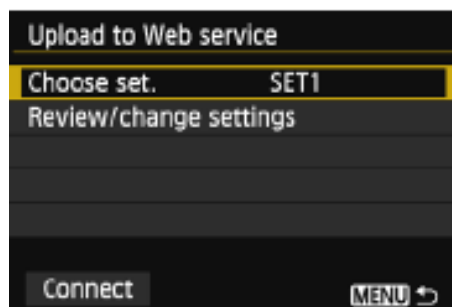You can register up to three connection settings for Web services.

1 **Select [Wi-Fi function].**
- Under the [♥3] tab, set [Wi-Fi] to [**Enable**], then select [**Wi-Fi function**].

Video system	NTSC
Feature guide	Enable
INFO button display options	
Wi–Fi	Enable
Wi–Fi function	

2 **Select [⊕].**
- Select [⊕] (Upload to Web service) and press <(SET)>.

Wi–Fi function
Upload to Web service
INFO General sett.   **MENU** ↩

3 **Select a Web service.**
- Select a Web service and press <(SET)>.
- ▶ When [✉] (Email) is selected, a list of registered addresses is displayed (p.125).

Upload to Web service
MENU ↩

4 **Select [Choose set.].**
- Select [**Choose set.**] and press <(SET)>.

Upload to Web service	
Choose set.	SET1
Review/change settings	
Connect	**MENU** ↩
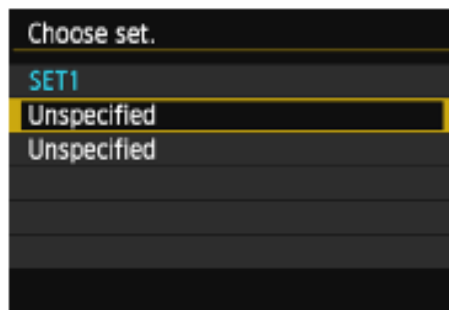
5 **Select [Unspecified].**

- Select [**Unspecified**] and press <(SET)>.
- ▶ The connection settings screen is displayed. Follow the procedures displayed to complete the connection settings.