# Canon

XA20-XA25 and HF G30 Transferring files via FTP

You can wirelessly transfer files (recordings) directly to a computer or an FTP server. You will need a correctly configured FTP server. During the manual setup procedure, you will need to enter the FTP server's IP address, port, user name, password and file transfer destination (where the files will be transferred to).

To enter text for the various settings, use the virtual keyboard

Access point   Computer
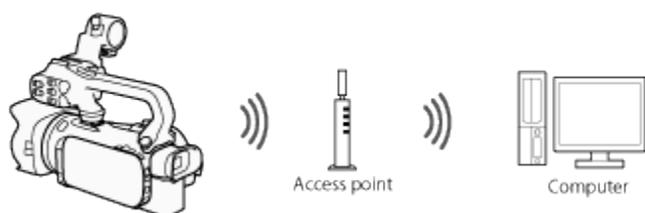
CAUTION

- Using an unprotected Wi-Fi network can expose your files and data to monitoring by unauthorized third parties. Be aware of the risks involved.
- Using the Wi-Fi functions outdoors while the camcorder is operating in the 5 GHz band may be prohibited depending on the laws of the country/region you are in.

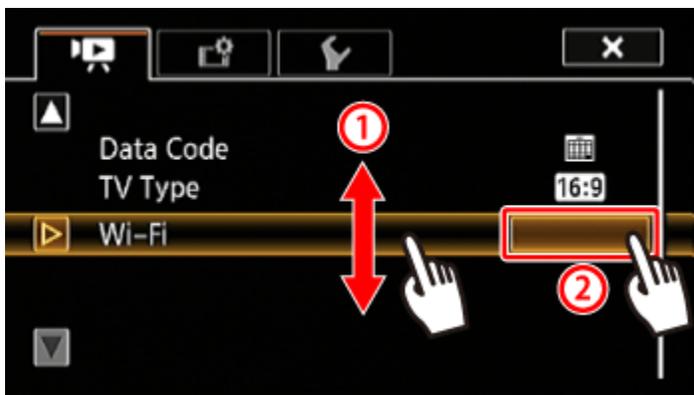Step 1: Configuring the FTP Server

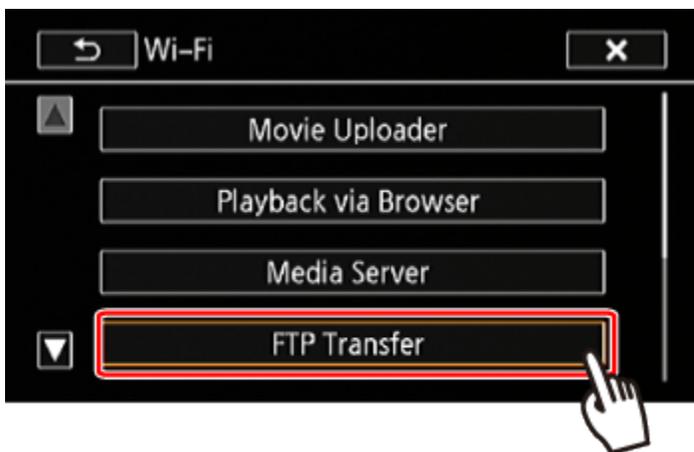1. Set the power switch to <MEDIA>.

2. Touch [MENU].
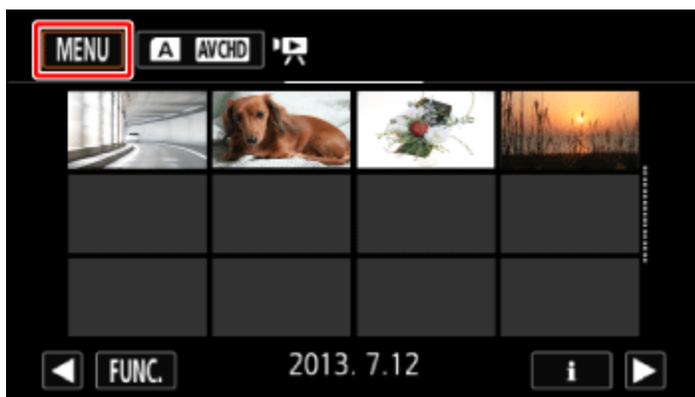
3. Touch [ ].

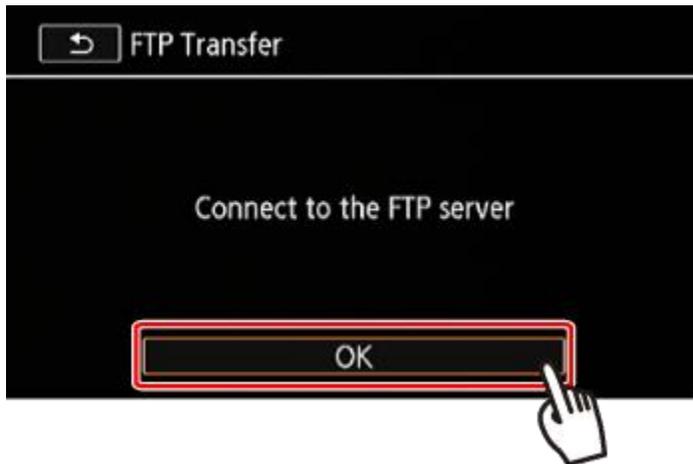4. ①Drag your finger up or down bring [Wi-Fi] into the orange selection bar, ②and touch the button.
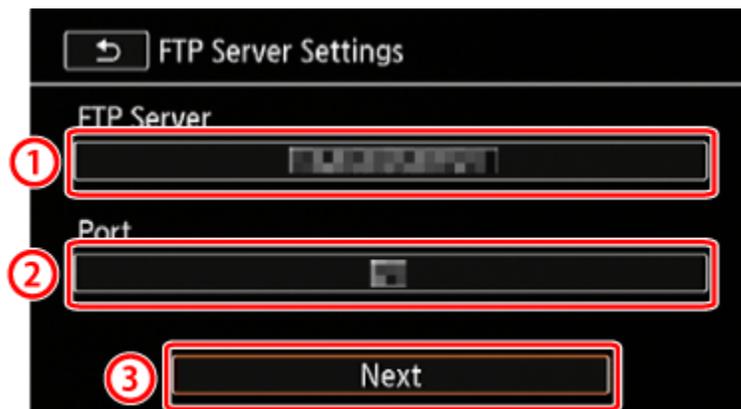

5. Touch [FTP Transfer].

6. Touch [OK].

7. Configure the FTP server.

①Enter the FTP server's IP address for [FTP Server].

②Enter the port number for [Port].

③Touch [Next].

REFERENCE

Using the virtual keyboard

When you need to enter text for various settings, touch the text field and a virtual keyboard will appear on the screen. You must use the touch screen to operate the virtual keyboard. The illustrations below explain the various keys you can use.
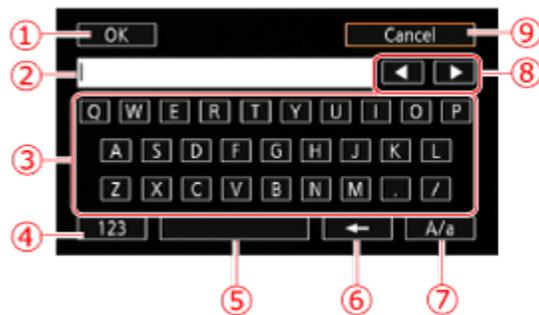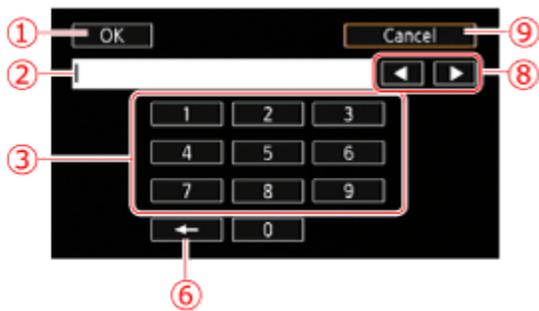
①: **OK** (Press to exit after entering the information.)

②: Text field

③: Letter/number keys

④: **123** / **ABC** (Switch between letters and numbers/special characters.)

⑤: Space key

⑥: **←** Backspace (Delete the character to the cursors left.)

⑦: **A/a** / **#%?** / ***&+** Caps Lock. When the numerical keyboard is displayed, [#%?] switches between set 1 and set 2 of special characters.

⑧: **◄** **►** (Change the position of the cursor.)

⑨: Cancel

8. ① Enter the user name.

② Enter the password.

③ Touch [Next].
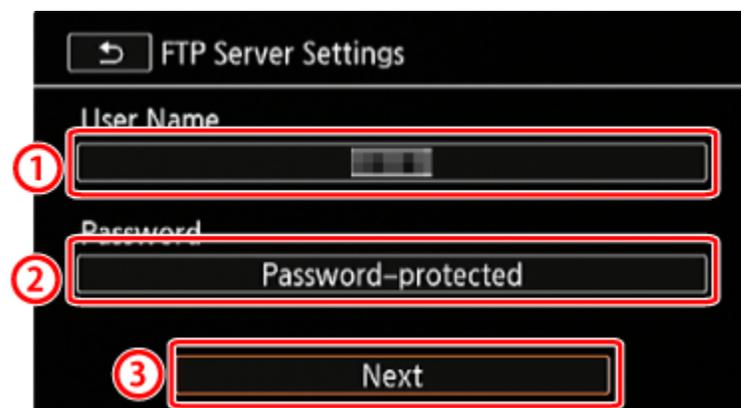
9. ①Enter [/] for [Destination Folder]. ②Touch [Next].
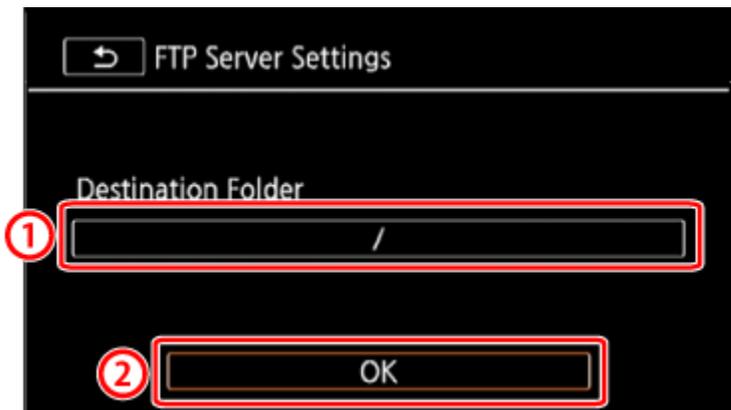
NOTE

Depending on the FTP server's settings, the required text for the port number and destination folder may differ. Check the settings on your FTP server.

Step 2: Connect to an Access Point Using Wi-Fi

Connect to an access point.

If you have already completed the settings for connecting to an access point, proceed to Step 3: Transferring Files

- If an access point has not been registered, an access point registration message will be displayed. Touch [OK].
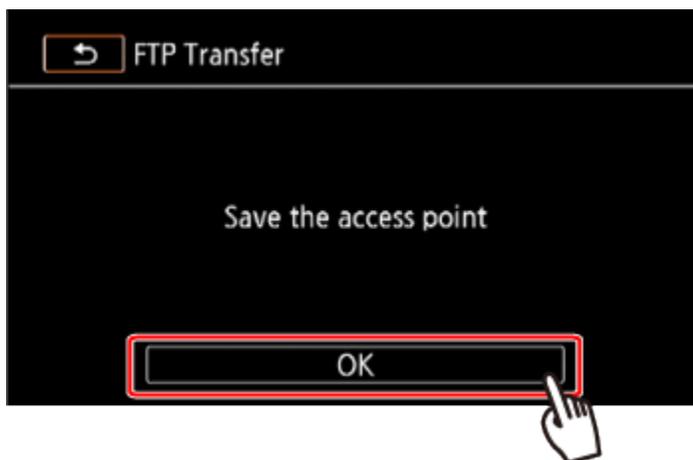
1. Select the desired connection method.

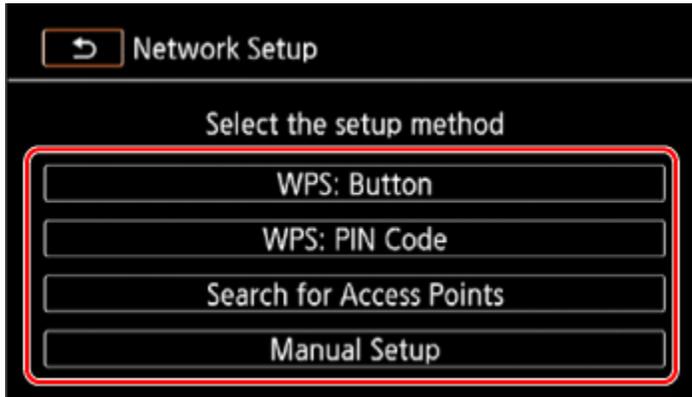You can select from the following four connection methods.

For more information on your access point, please refer to the access points instruction manual.

[WPS: Button]*	Simply press and hold the WPS button on your access point and then touch the camcorders screen. This is the easiest connection method if you are using a WPS-compatible router.
[WPS: PIN Code]*	Access the access points configuration screen using your Web browser. The camcorder will give you a PIN code, which you will enter into the browser. You will need a WPS compatible router and a computer or other device connected to it.
[Search for Access Points]	Following the camcorders onscreen instructions, you select your access point from a list of detected SSIDs and then enter your password.
[Manual Setup]	You manually enter the access points SSID, password and other network settings. This method is recommended for advanced users of Wi-Fi networks.td>

* WPS, which stands for Wi-Fi Protected Setup, is a standard that makes connecting to an access point easier.

If your wireless router is WPS-compatible, connecting the camcorder to it can be very easy. If you cannot successfully connect the camcorder using WPS, try using the [Search for Access Points] method.

REFERENCE

The camcorder can connect to a Wi-Fi network using a wireless router (access point) and even remember the settings for the four most recently used access points.

IMPORTANT

General requirements

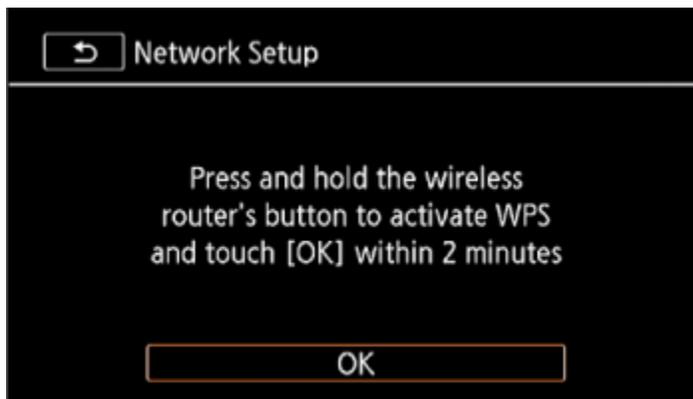- Correctly configured router that complies with the 802.11a/b/g/n protocol and is Wi-Fi certified (bears the logo shown below) and a home network.
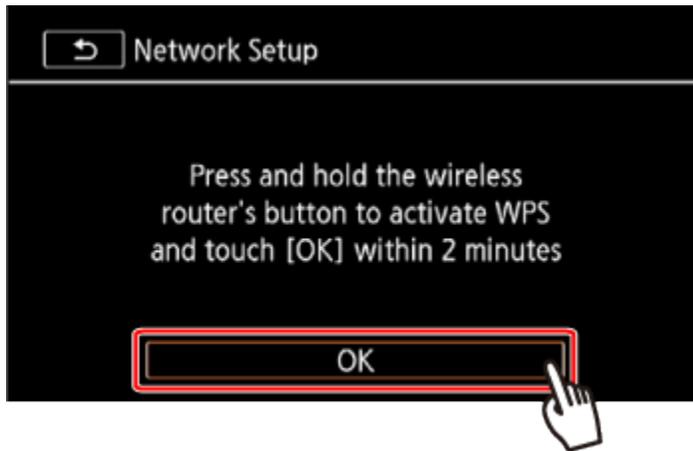

2-a-1. [WPS: Button] method

Press and hold the WPS button on the access point.

- Depending on the access point, the amount of time required may differ.
- Make sure the routers WPS function is activated.

2-a-2. Within 2 minutes, touch [OK] on the camcorders screen.

The camcorder will connect to the access point.

You can touch [Stop] and then [OK] to interrupt the Wi-Fi Protected Setup while it is in progress.

The screen will change when the setting is finished. Proceed to Step 3: Transferring Files

2-b-1. [WPS: PIN Code] method

From a computer or similar device connected to the access point, use the Web browser to open the routers WPS settings screen. After the 8-digit PIN code appears on the camcorders screen, enter it into your routers WPS settings screen.
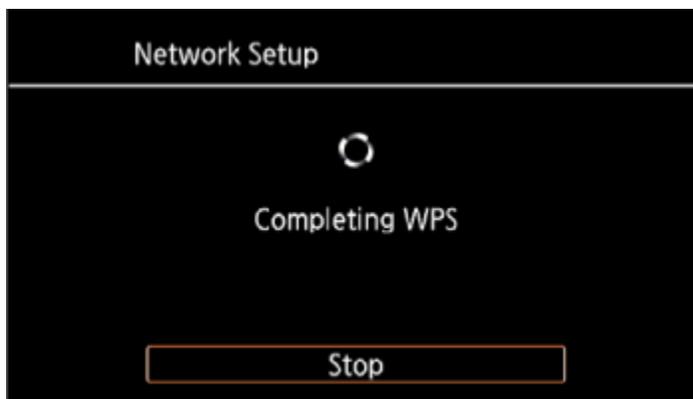
2-b-2. Within 2 minutes, touch [OK] on the camcorders screen.

The camcorder will connect to the access point.

You can touch [Stop] and then [OK] to interrupt the Wi-Fi Protected Setup while it is in progress.

The screen will change when the setting is finished. Proceed to Step 3: Transferring Files
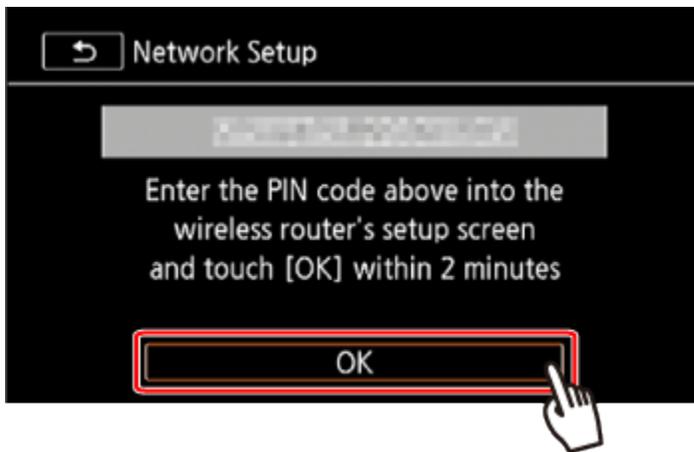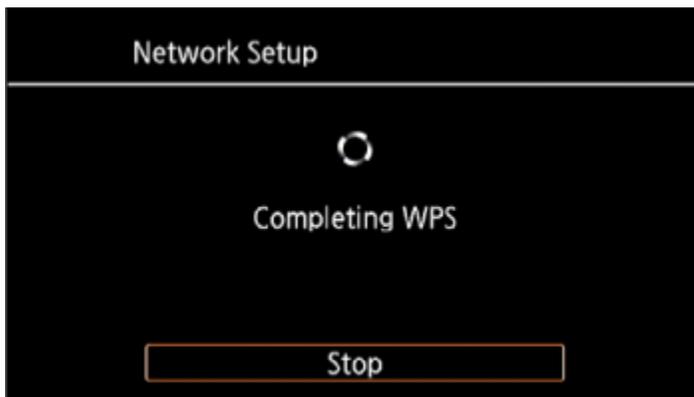
2-c-1.[Search for Access Points] method

The camcorder will automatically detect access points in the vicinity. After you select the desired access point, you simply enter the password (encryption key) to connect the camcorder.

To enter text for the various settings, use the virtual keyboard.
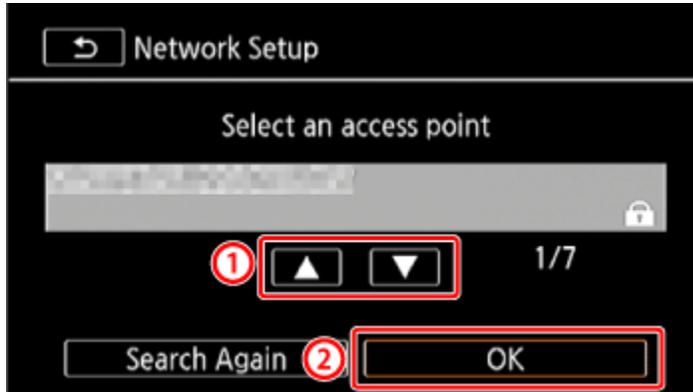
2-c-2. Check the access point setting information.

Note the access points network name (SSID) and encryption key.

2-c-3. Select the desired access point
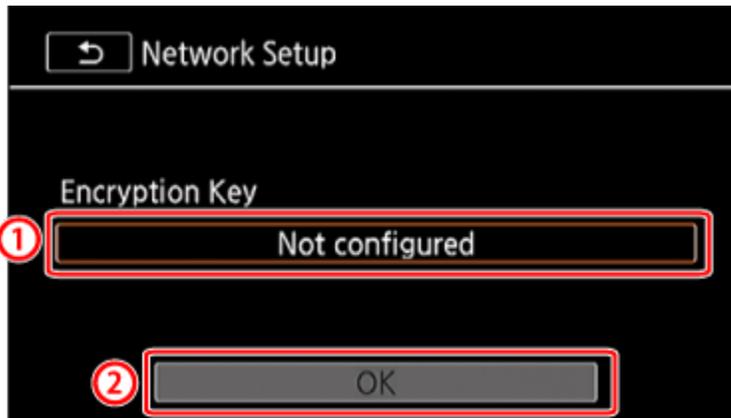
The SSID of detected access points will be displayed.

①Touch [▲] / [▼] to go through the detected access points.
②Touch [OK].

2-c-4. Enter the encryption key (password).

If the access point selected in step 2-c-3 did not have a [🔒] icon, this step is not necessary.

①In the [Encryption Key] field, enter the encryption key.

②Touch [OK].

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┌─────────────────────────────────────────┐
│  [ ⤺ ]  Network Setup                    │
│─────────────────────────────────────────│
│                                          │
│   Encryption Key                         │
│  ①┌─────────────────────────────────┐    │
│    │         Not configured          │    │
│    └─────────────────────────────────┘    │
│                                          │
│    ②┌─────────────────────────────┐      │
│      │            OK               │      │
│      └─────────────────────────────┘      │
└─────────────────────────────────────────┘
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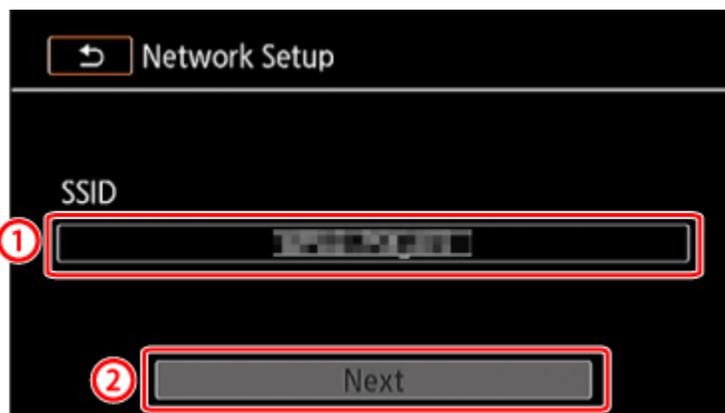
2-c-5. Touch [OK].

The screen will change when the setting is finished. Proceed to Step 3: Transferring Files

2-d-1. Manual Setup

Perform this procedure to manually configure the wireless connection settings. This may be necessary, for example, if your access points network name (SSID) cannot be detected due to the stealth function being enabled. Manual setup is for advanced users of Wi-Fi networks.
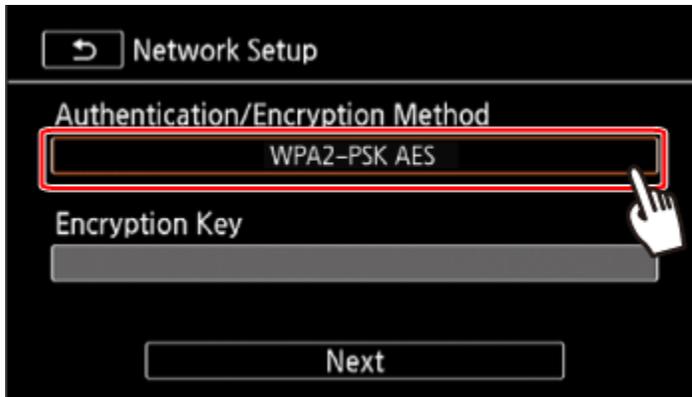
2-d-2. Enter the SSID.

①Touch the [SSID] field.

②Enter the SSID and then touch [OK] > [Next].

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┌─────────────────────────────────────────┐
│  [ ⤺ ]  Network Setup                    │
│─────────────────────────────────────────│
│                                          │
│   SSID                                   │
│  ①┌─────────────────────────────────┐    │
│    │          ▓▓▓▓▓▓▓▓               │    │
│    └─────────────────────────────────┘    │
│                                          │
│    ②┌─────────────────────────────┐      │
│      │           Next              │      │
│      └─────────────────────────────┘      │
└─────────────────────────────────────────┘
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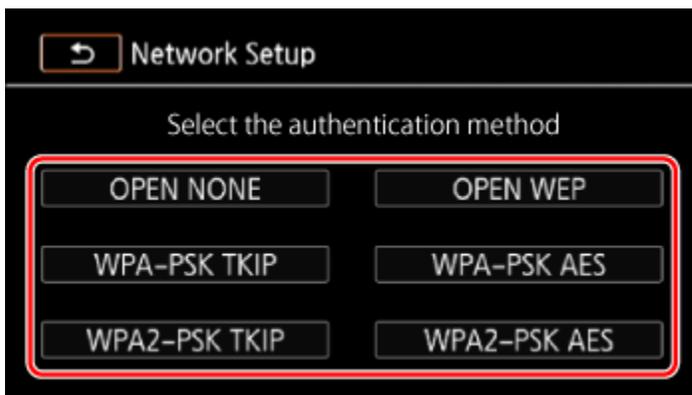
2-d-3. Select the Authentication/Encryption Method.

Touch the [Authentication/Encryption Method] field.

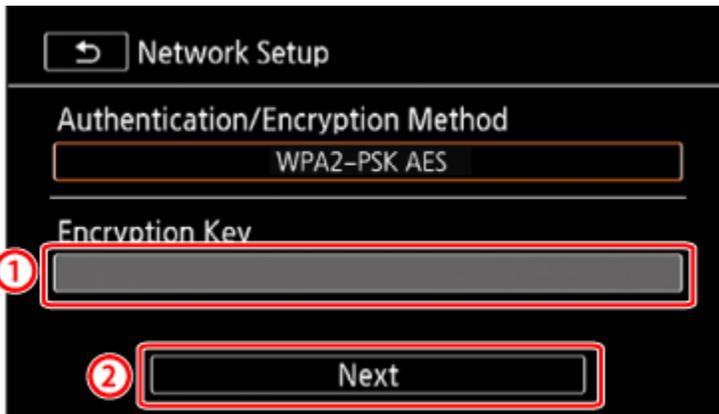2-d-4. Touch the desired method.

If you selected [OPEN WEP], the WEP index is 1.

2-d-5. Enter the [Encryption Key]

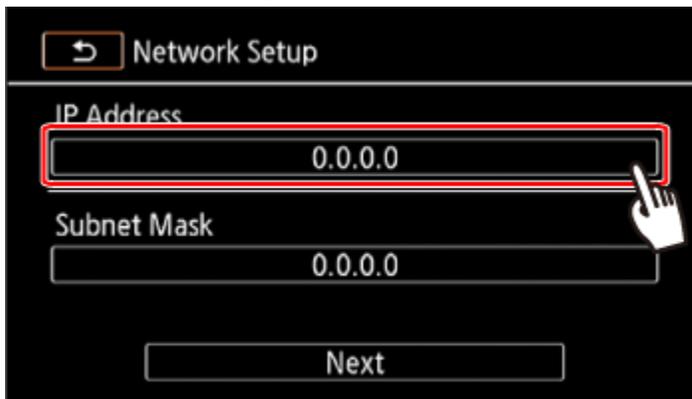In step 2-d-4., if you selected [OPEN NONE], entering the encryption key is not necessary.

①Touch the [Encryption Key] field, and then enter the encryption key.
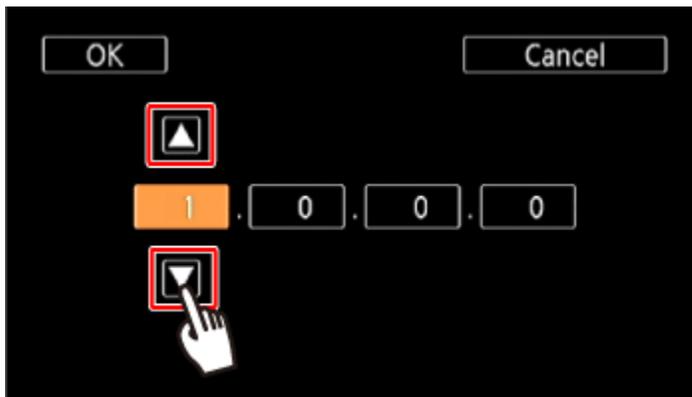
②Touch [OK] > [Next].

2-d-6. Select how to obtain the IP address.
Touch [Automatic] or [Manual].
If you selected [Automatic], proceed to Step 2-d-12

2-d-7. Set the [IP Address] manually.

Touch the [IP Address] field.

2-d-8. Touch [ ] / [ ] to change the value and then touch [OK].

Enter the following information using the procedure explained above for the IP Address.
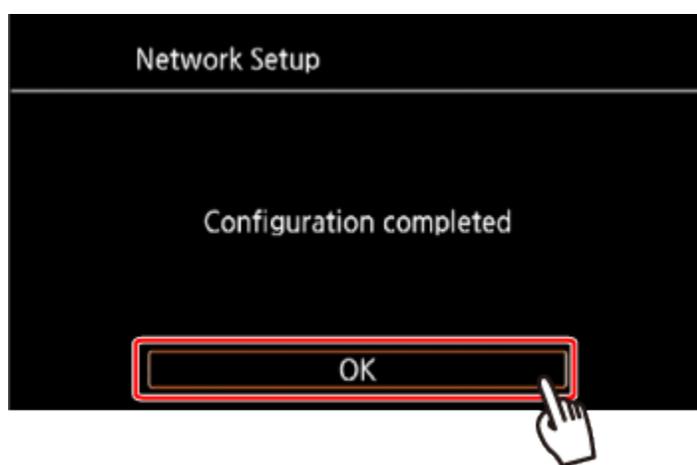
2-d-9. Enter the Subnet Mask and touch [Next].

2-d-10. Enter the Default Gateway and touch [Next].

2-d-11. Enter the DNS Server information and touch [Next].
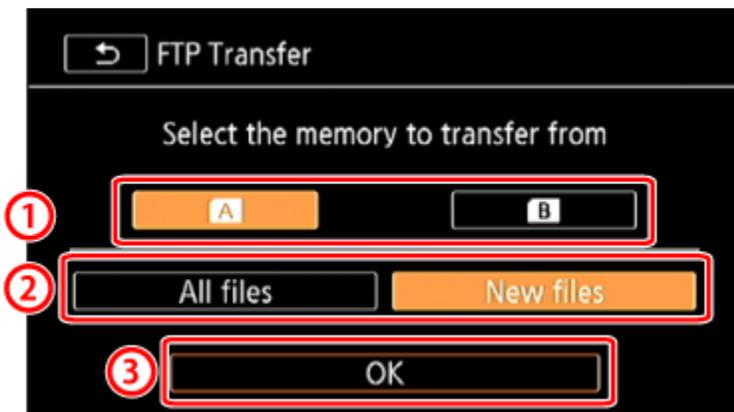
2-d-12. Save the settings.

Touch [OK].

The screen will change when the setting is finished.

Step 3: Transferring Files

1 Transfer Files.

①Touch the desired memory card. You can select both memory cards.

②Touch [All files] to transfer all the recordings or [New files] to transfer only those recordings that have not been previously transferred.

③Touch [OK].

2. Once connected, the wireless transfer will begin.

You can touch [Stop] and then [X] to stop the wireless transfer while it is in progress. However, depending on when you stop the operation, some files will be transferred.
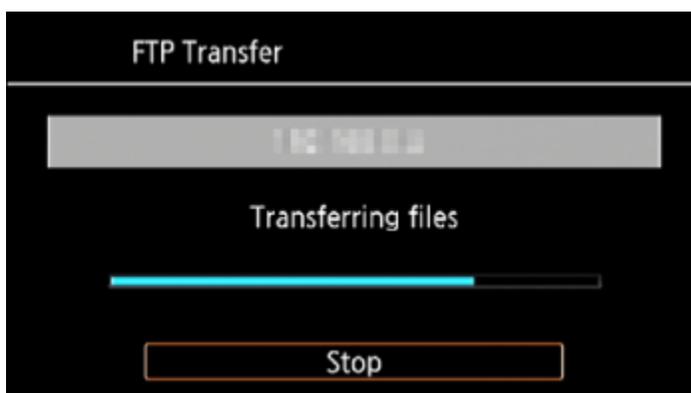
3.Touch [OK].

- The wireless transfer will end.

This concludes the procedure for transferring files to an FTP server.

IMPORTANT

- Observe the following precautions when transferring files. Failing to do so may interrupt the transfer and incomplete files may remain at the transfer destination.

- Do not open the double memory card slot cover.
- Do not disconnect the power source or turn off the camcorder.

- If the file transfer is interrupted, select [New files] and perform the file transfer again.
- If incomplete files remain at the transfer destination, check the content and make sure they are safe to delete before deleting them.

NOTE
Depending on the access point's settings and capability, it may take some time to transfer files.

IMPORTANT
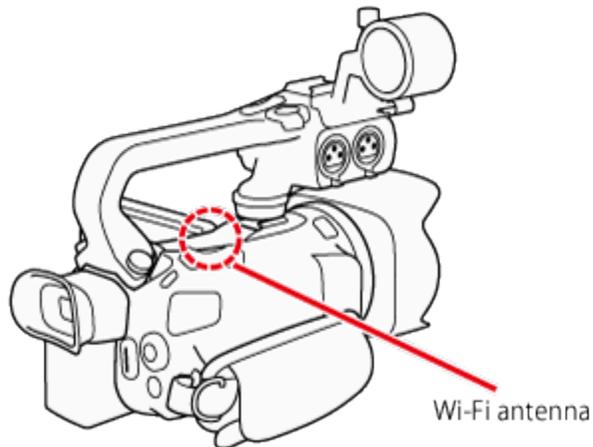
Wi-Fi antenna

- When using the camcorders Wi-Fi functions, do not cover the Wi-Fi antenna with your hand or other object. Covering it may interfere with wireless signals.
- While using Wi-Fi functions other than remotely controlling the camcorder using the Wi-Fi Remote application, do not open the double memory card slot cover.
- Make sure the optional WM-V1 Wireless Microphone is not attached to the camcorder. Wi-Fi functions are not available when the microphone is attached.

REFERENCE
About the camcorders Wi-Fi standard

The specifications of the camcorder's Wi-Fi standard are as follows.

Wi-Fi protocol, operating frequency: IEEE 802.11b/g/n-compliant, 2.4 GHz

IEEE 802.11a/n-compliant, 5 GHz

Maximum data transfer rate: 11 Mbps (IEEE 802.11b)

54 Mbps (IEEE 802.11a/g)

150 Mbps (IEEE 802.11n)

These are theoretical values and actual data transfer rates may differ.

- Wi-Fi is a registered trademark of the Wi-Fi Alliance.
- Wi-Fi Certified, WPA, WPA2, and the Wi-Fi Certified logo are trademarks of the Wi-Fi Alliance.
- WPS as used on the camcorders settings, onscreen displays and in this manual signifies Wi-Fi Protected Setup.