



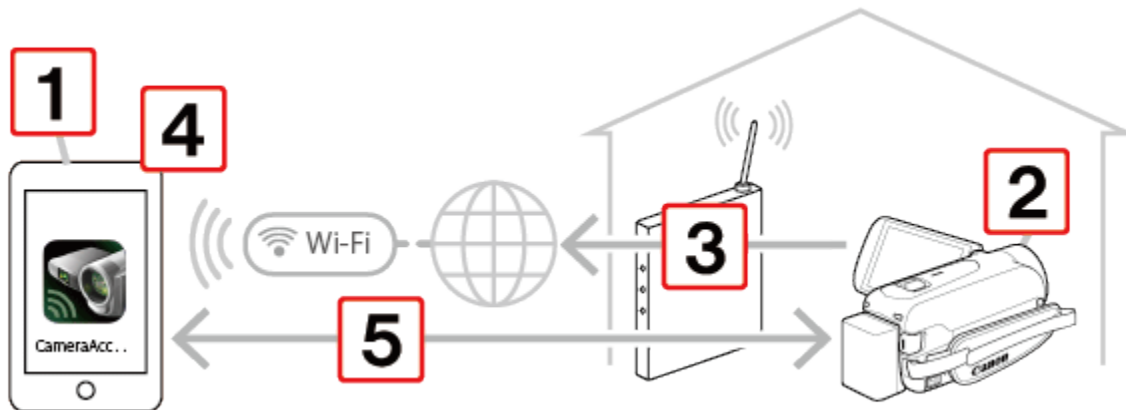
Using an iOS/Android device to control the camcorder from another location after setting it up in your home (Remote Control+Streaming) (VIXIA HF R60/R62)

With this function of CameraAccess plus, you can leave the camcorder home and monitor the streamed image while you are away. You can even use your iOS/Android device to start recording on the camcorder.

When using an NFC-compatible Android device, you can connect the camcorder and the device with a simple operation.

The procedures for using Remote Control+Steaming are explained in the following five steps. Proceed in order from step 1.

- 1** Step 1: Installing CameraAccess plus
- 2** Step 2: Performing camcorder password and port configuration settings
- 3** Step 3: Connecting the camcorder to an access point
- 4** Step 4: Registering the camcorders ID in the iOS/Android device
- 5** Step 5: Controlling the camcorder with the iOS/Android device



NOTE

The CameraAccess plus app, provided by PIXELA, is available for free from the App Store (for iOS devices) and Google Play (for Android smartphones).

In this example, setting procedures are shown in iOS 7 and Android 4.0.

The setting items and procedures may differ depending on the iOS/Android device you use and its operating system.

The CameraAccess plus application may not be supported by some iOS/Android devices depending on the model or installed operating system. For more information, please refer to System Requirements for Smartphone Applications (HF R62).

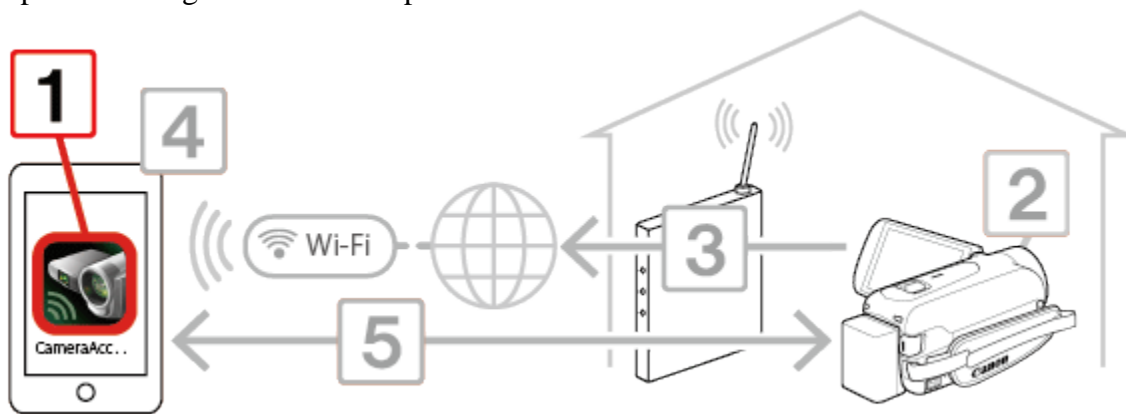
REFERENCE

Using the Remote Monitoring Checker utility program (for Windows only), you can check whether your home networks access point and Internet connection meet the requirements for using the Monitor while Out function*. For details about this program and links to the download page, visit PIXELAs Web site.

<http://pixela.jp/cermc>

* To use the Monitor while Out Function, an access point compatible with UPnP (Universal Plug and Play) and an Internet connection that can acquire global IP addresses are required.

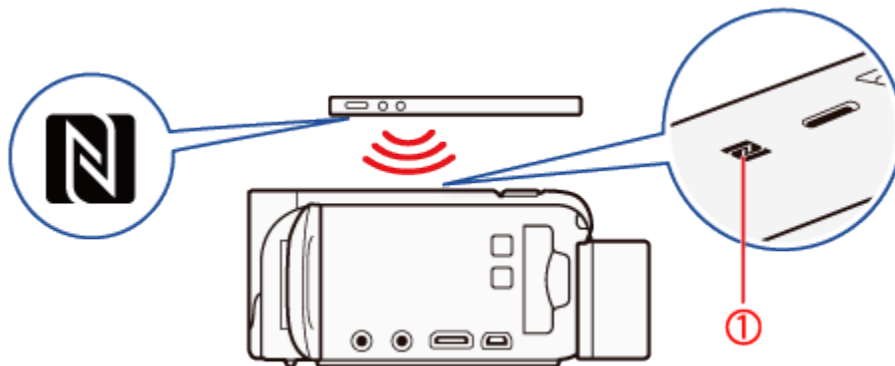
Step 1: Installing CameraAccess plus



1. iOS/Android device: Access the App Store (for iOS devices) or Google Play (for Android smartphones) via your device to download and install the CameraAccess app. If your device supports NFC, you can easily pair the camcorder and the device simply by touching the NFC touchpoints on both devices together.

REFERENCE

NFC-compatible devices



①: NFC touchpoint.

Touch the NFC touchpoint  on the Android device* to the NFC touchpoint  on the camcorder.

- Align the center of the NFC touchpoints on both devices. If there is no reaction, try changing the position of the Android device slightly while it is touching the camcorder.
- When the device is recognized, the Android device will emit a sound** and the CameraAccess plus app will start automatically.

* For illustration purposes only. For details about the devices NFC function and the location/mark of the NFC touchpoint, refer to the instruction manual of the Android device used.




** Depending on the settings and specifications of the Android device used, no sound may be emitted.

NOTE

When using NFC-compatible devices.



- When touching an NFC-compatible device to the camcorder, be careful not to forcibly hit the device against the camcorder. Using excessive force may damage the camcorder or NFC-compatible device.

- If the NFC-compatible device or the camcorder is covered by a protective case, the devices might not be able to connect wirelessly.

- If the camcorder unintentionally comes into contact with an NFC-compatible device (for example, inside a carrying bag), the camcorder may turn on on its own. You can set  >  >  > [NFC] to [Off] to prevent this.

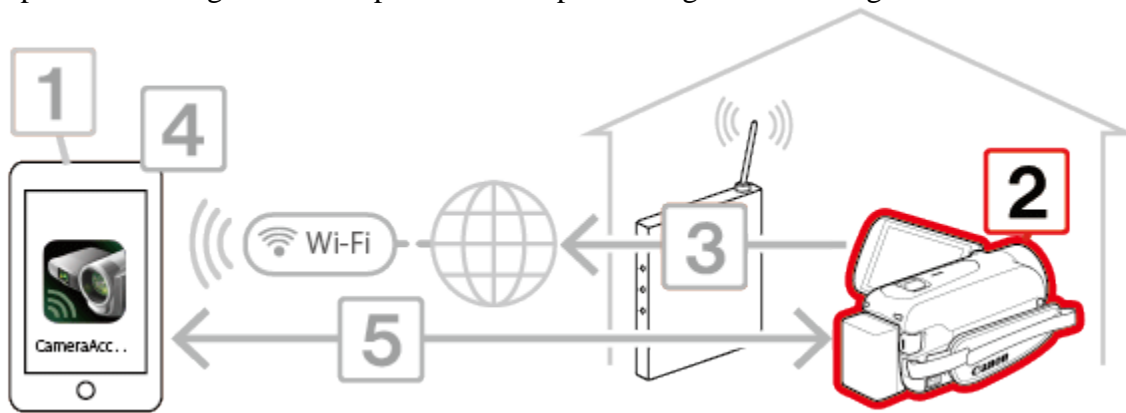
- When the camcorder is in Monitor from Home or Monitor while Out mode, the shooting mode will be set automatically to **AUTO**.
- Even if the frame rate was set to 24P, video recorded in Monitor from Home or Monitor while Out mode will be recorded at 30P.
- This function is not available in the following cases.

- When the video quality is 60P.

- When  >  > [Dual recording] or [Relay recording] is activated.

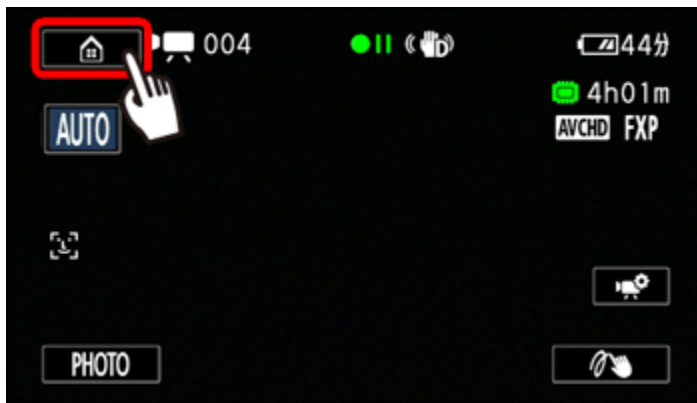
- Depending on the connection and the strength of the wireless signal, there may be interruption in the live video image or the response may be slow.
- Installation is not necessary for users who have previously installed the application.

Step 2: Performing camcorder password and port configuration settings




2. Camcorder: Turn on the camcorder and make sure it is set to a recording mode.

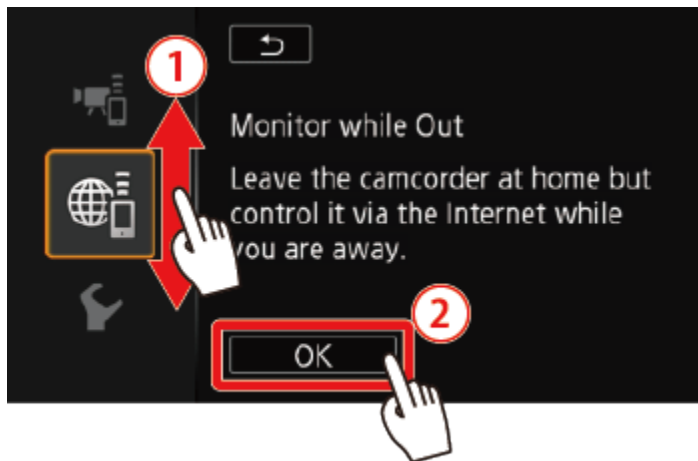
3. Camcorder: Touch the [] icon displayed on the screen.



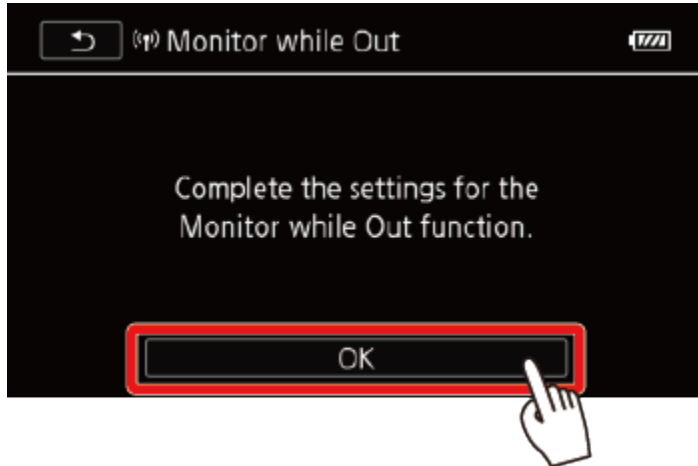
4. Camcorder: ① Drag your finger left/right to bring the [Remote Control+Streaming] menu to the center, and then ② touch the icon to open it.



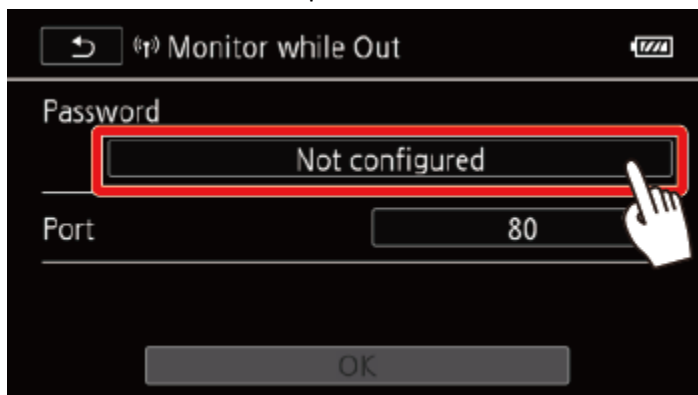
5. Camcorder: Bring [] (Monitor while Out) to the center, and then touch [**OK**].



6. Camcorder: Touch [**OK**].



7. Camcorder: Touch the password field.



8. Camcorder: Enter a unique 4 and 8 character password for the Monitor while Out function, and then touch [**OK**].

For more information on entering a password, please refer to the 'Using the virtual keyboard' below.



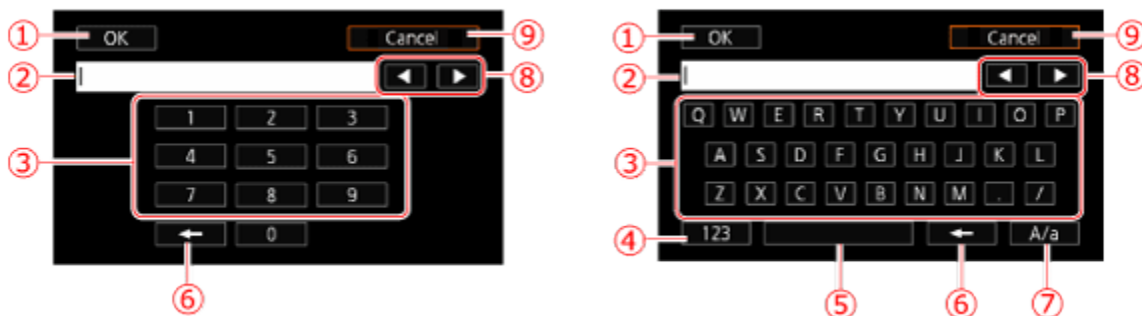
NOTE

We recommend using an 8-character password using a mix of numbers and uppercase/lowercase letters.

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.)


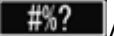

②: Text field



③: Letter/number keys

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

⑤: Space key

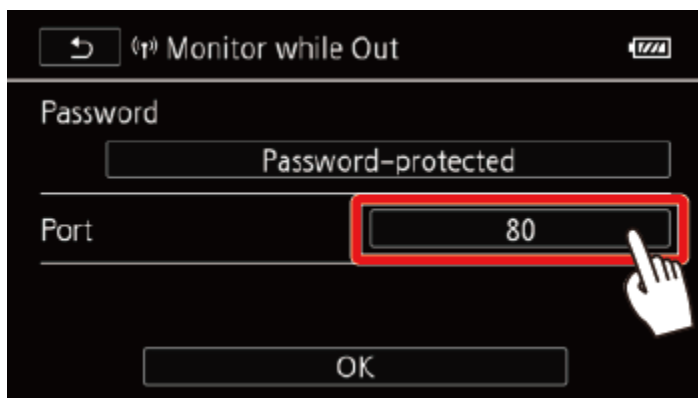
⑥:  Backspace (Delete the character to the cursors left.)


⑦:  /  /  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

9. Camcorder: Touch the port number entry field.



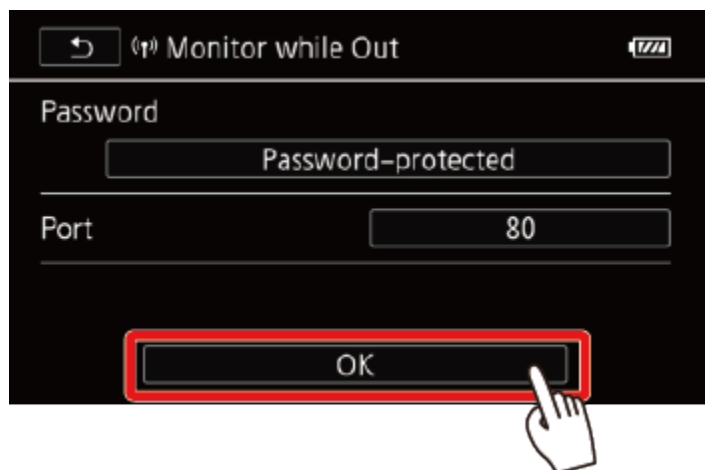
10. Camcorder: Enter the port number, and touch [].



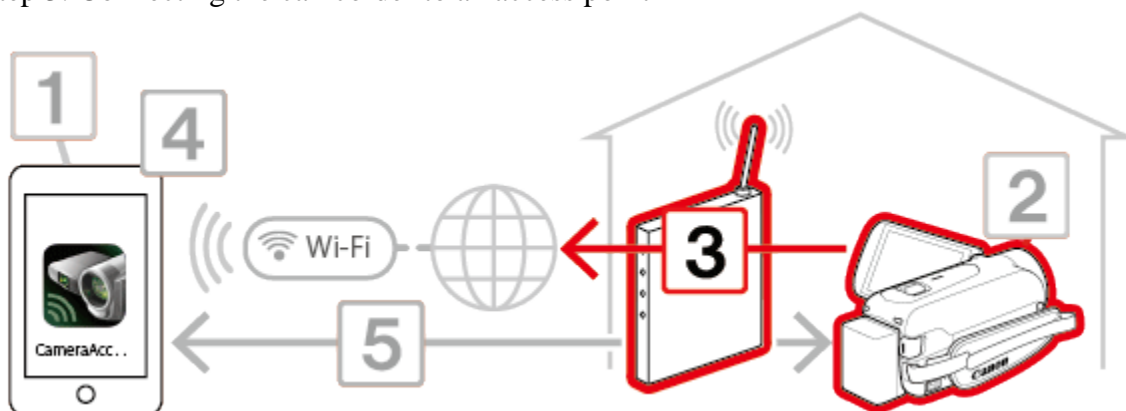
REFERENCE

By default, the port number is set to 80 but you can change it if necessary.

11. Camcorder: Touch [**OK**].



Step 3: Connecting the camcorder to an access point



12. If necessary, set up a connection to an access point.

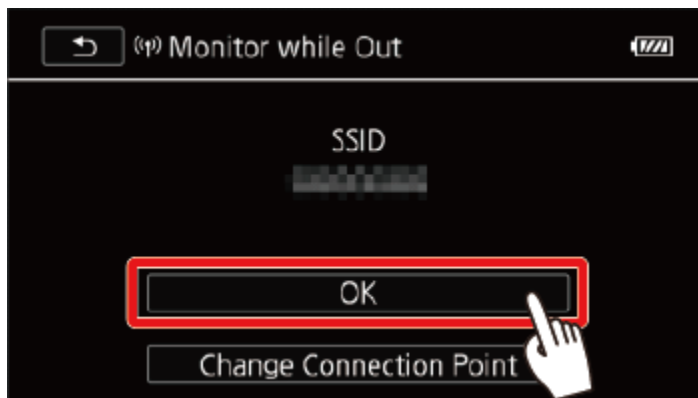
- If you have previously configured and saved only one connection to an access point, the camcorder will automatically connect to that access point.
- If you have saved more than one connection to an access point, touch [**OK**] to use the access point displayed on the screen, and then continue. To use a different access point instead, touch [Change Connection Point] > desired access point > [**OK**], and then continue.
- If no connections to access points have been saved in the camcorder, the message [Save the access point] will appear on the screen. Touch [**OK**] to configure and save a new access point connection.



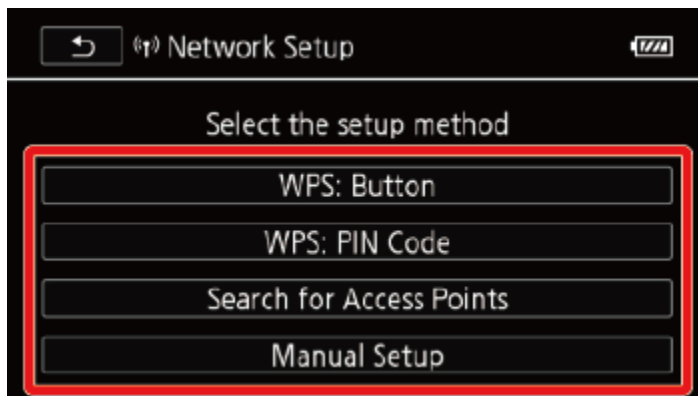
NOTE

If you have previously configured and saved a connection to an access point, the camcorder will connect automatically to the last access point used.

Touch [**OK**] twice, and then proceed to step 15.



13. Camcorder: Touch the desired connection method.



You can select from the following four connection methods.

For more information on your access point, please refer to its Instruction Manual.

WPS: Button*	Simply press and hold the WPS button on your wireless router 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 the desired access point from a list and then enter your password.
Manual Setup	You manually enter the access points name, password and other network settings. This method is recommended only for advanced users of Wi-Fi networks.

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



If your access point 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.

[WPS: Button] method: Please proceed to step 14-a-1.

[WPS: PIN Code] method: Please proceed to step 14-b-1.

Search for Access Points: Please proceed to step 14-c-1.

Manual Setup: Please proceed to step 14-d-1.

REFERENCE

The camcorder can connect to a Wi-Fi network using a wireless router (access point) and even remember the settings for the 4 most recently used access points.

IMPORTANT

General requirements for Wi-Fi connections.

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

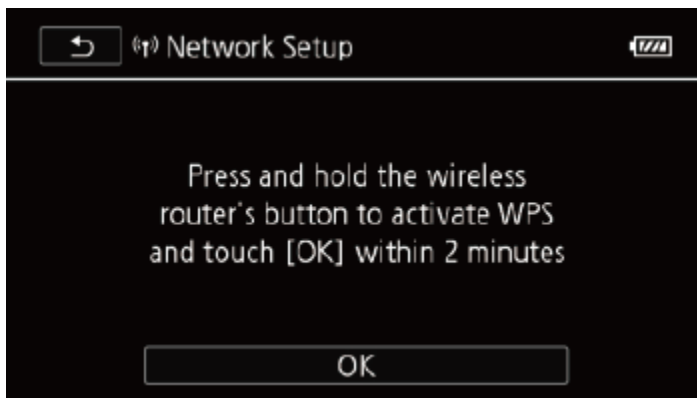


CERTIFIED

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

Press and hold the WPS button on the wireless router.

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



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

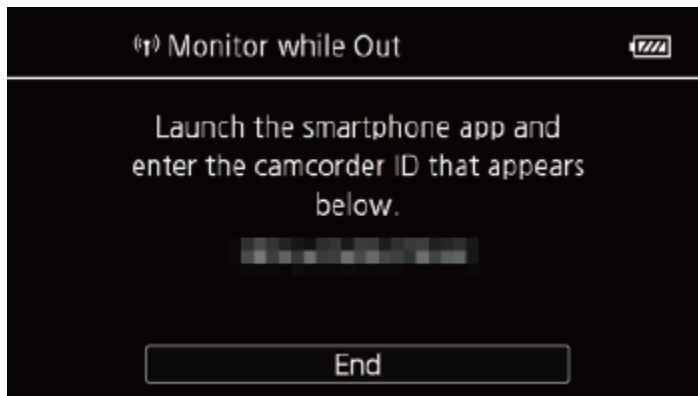
The camcorder will connect to the access point.



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



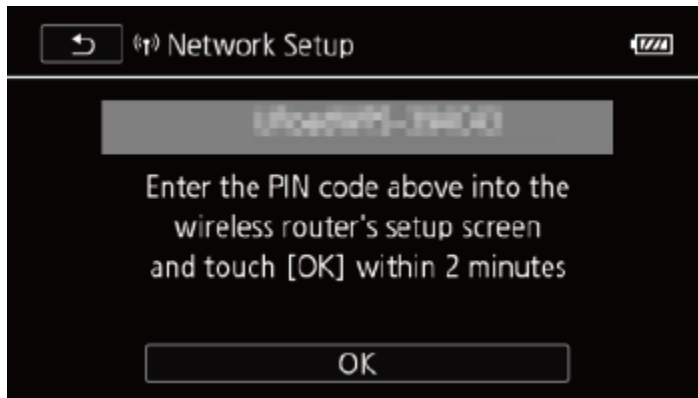
When the Wi-Fi Protected Setup is finished, [Configuration completed] will appear on the screen.



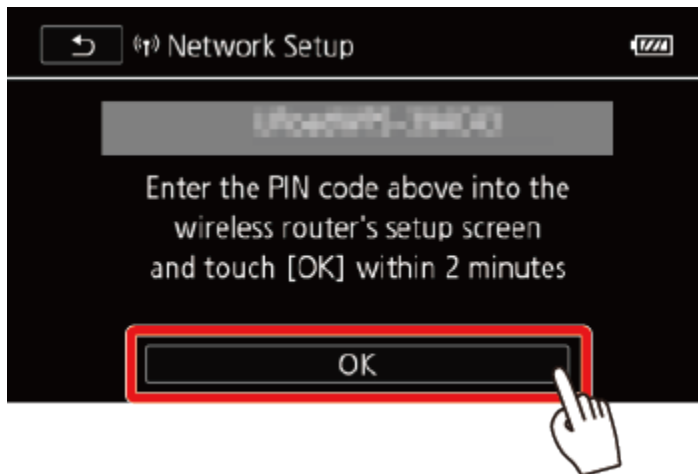
Please proceed to step 15.

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

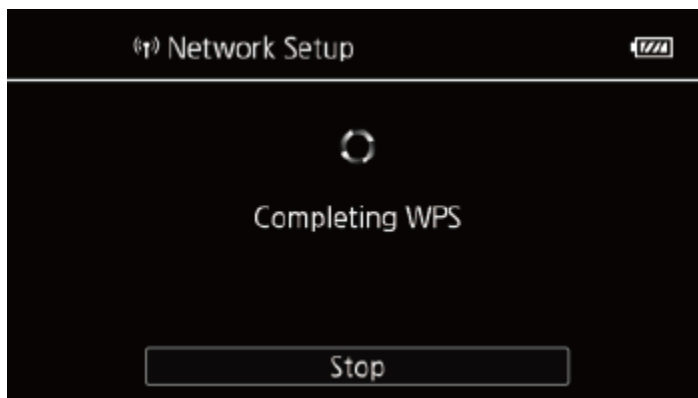
From a computer or similar device connected to the access point, use the Web browser to open the routers WPS settings screen. After the 8-digit PIN code appears on the camcorders screen, enter it into your routers WPS settings screen.



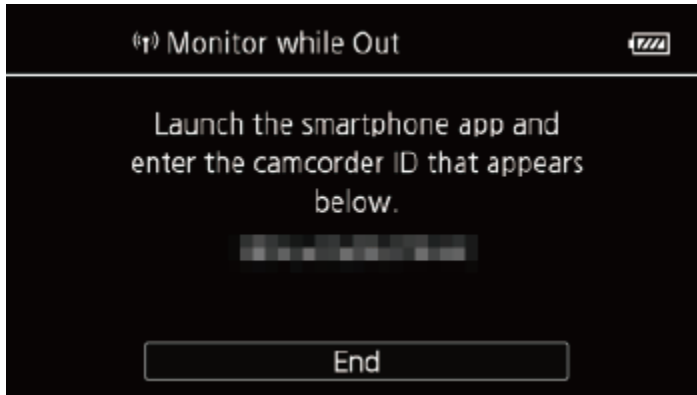
14-b-2. Camcorder: Within 2 minutes, touch [OK] on the camcorders screen.
The camcorder will connect to the access point.



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



When the Wi-Fi Protected Setup is finished, [Configuration completed] will appear on the screen.



Please proceed to step 15.

14-c-1. Search for Access Points

After you touch [Search for Access Points], the camcorder will take a few seconds to detect access points available in the vicinity and will display the first one.

14-c-2. Confirm the access points setting information.

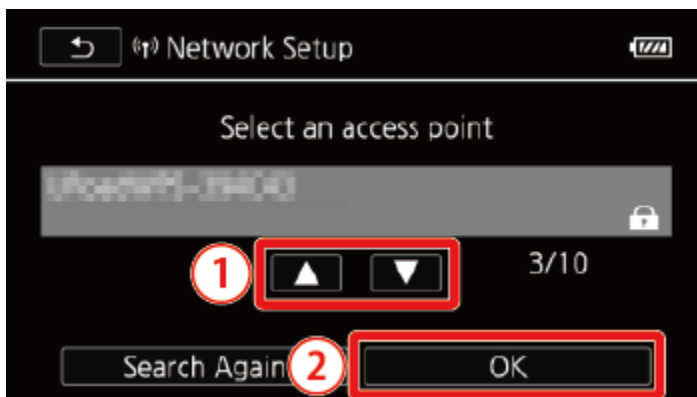
Make a note in advance of the network name (SSID) and password (encryption key) of the access point you want to use.

14-c-3. Camcorder: Select the desired access point.

The network name (SSID) of the desired access point appears.

① Touch [▲] or [▼] to select the desired access point from the list.

② Touch [OK].

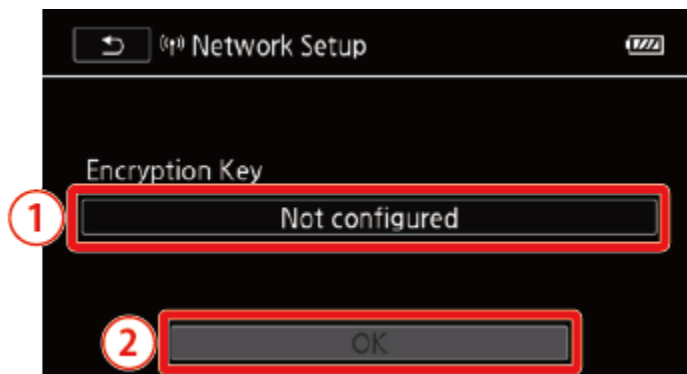


14-c-4. Camcorder: Enter the access points password (encryption key).

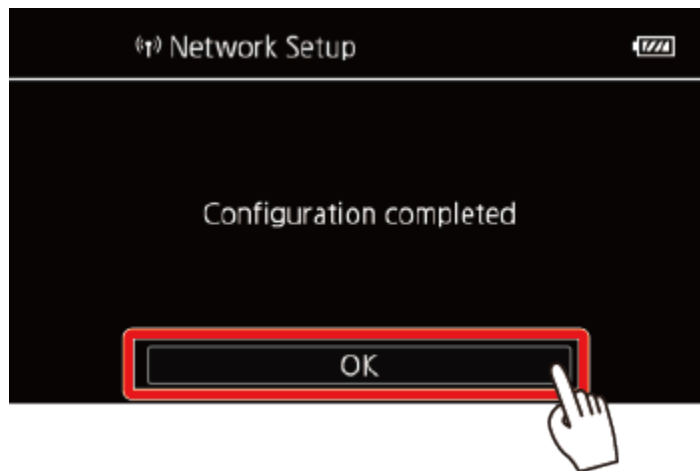
If the access point selected in step 2-c-3 did not have a [🔒] icon, this step is not necessary.

① To enter the [Encryption Key] field, touch [Not configured] , and then enter the access points password (encryption key).

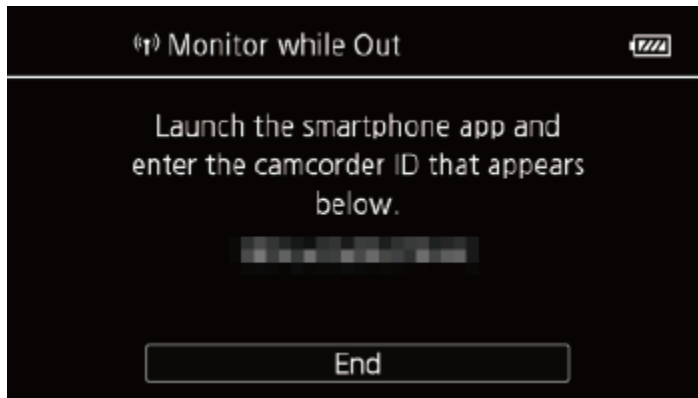
② Touch [OK].



14-c-5. Camcorder: Touch [OK].



The screen will change once the setting is complete.



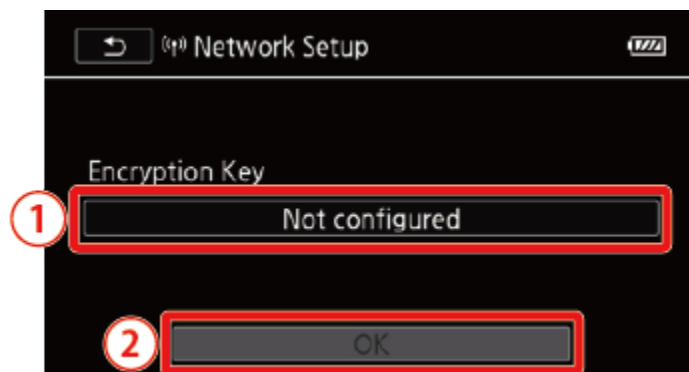
Please proceed to step 15.

14-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.

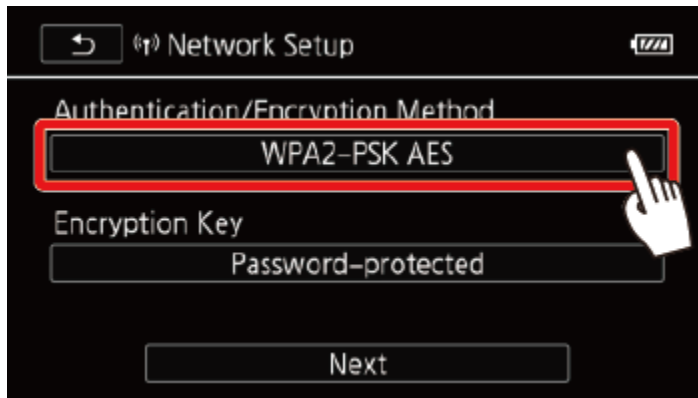
14-d-2. Camcorder: Enter the SSID.

- ① Touch the [SSID] field.
- ② Enter the SSID, touch [OK], and then touch [Next].



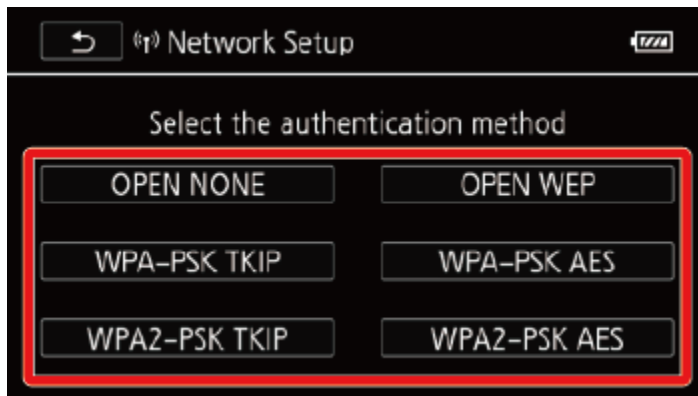
14-d-3. Camcorder: Touch the [Authentication/Encryption Method] field.

Touch [OPEN NONE].



14-d-4. Camcorder: Touch the desired method.

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



14-d-5. Camcorder: Enter the encryption key.

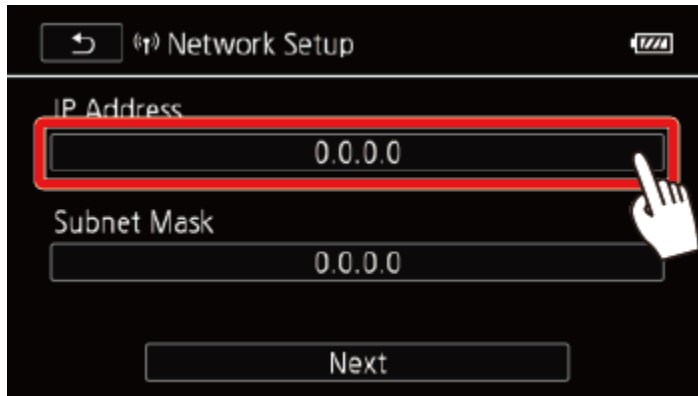
If you selected [OPEN NONE] in step 14-d-4., this step is not necessary.



- ① Touch the [Encryption Key] field, and then enter the encryption key (password).
- ② Touch [Next].

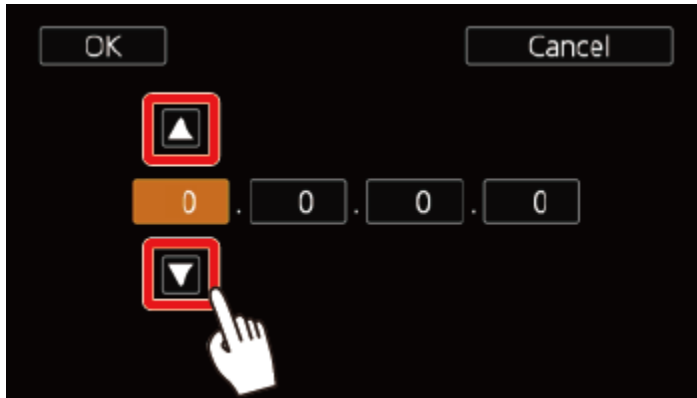


14-d-6. Camcorder: Select how to obtain the IP address.
Touch [Automatic] or [Manual].
If you selected [Automatic], please proceed to 14-d-12.

14-d-7. Camcorder: To enter the [IP Address] field, touch [0.0.0.0].
Touch the first field.



14-d-8. Camcorder: Touch [] or [] to change the value. Change the rest of the fields in the same way and touch [OK].



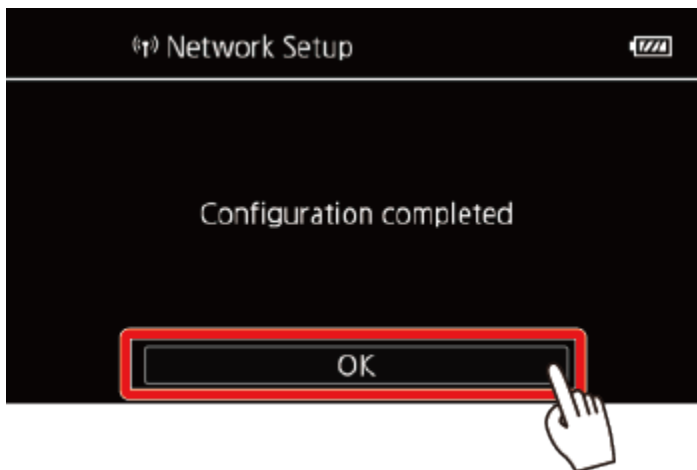
14-d-9. Enter the [Subnet Mask] field in the same way and touch [Next].

14-d-10. Enter the [Default Gateway] field in the same way and touch [Next].

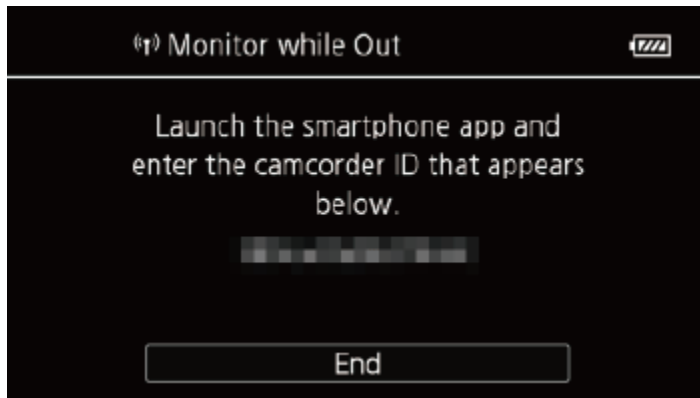
14-d-11. Enter the [Primary DNS Server] and [Secondary DNS Server] fields in the same way and touch [Next].

14-d-12. Camcorder: Save the configuration.

Touch [OK].

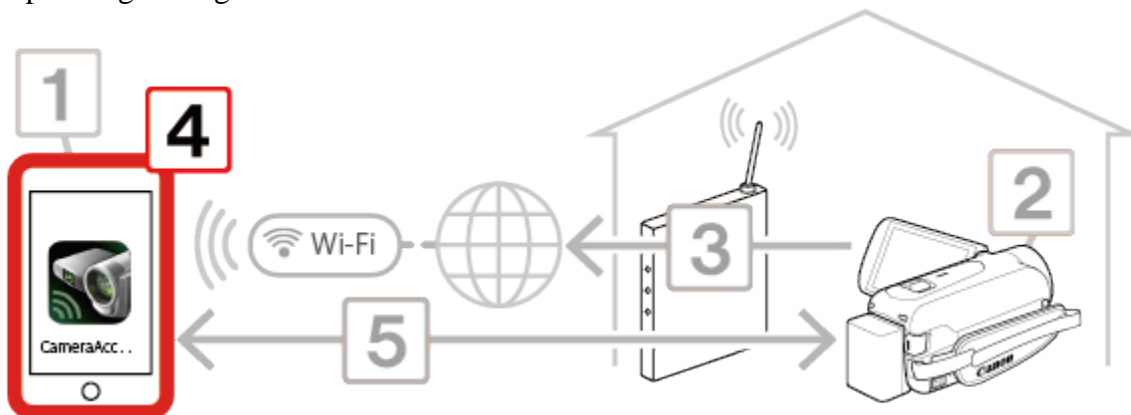


The screen will change once the setting is complete.



Please proceed to step 15.

Step 4: Registering the camcorders ID in the iOS/Android device



15. iOS/Android device: Register the camcorders ID and password.

If the iOS/Android device is connected to the same Wi-Fi network as the camcorder, CameraAccess plus will recognize the camcorder's ID and register it automatically.

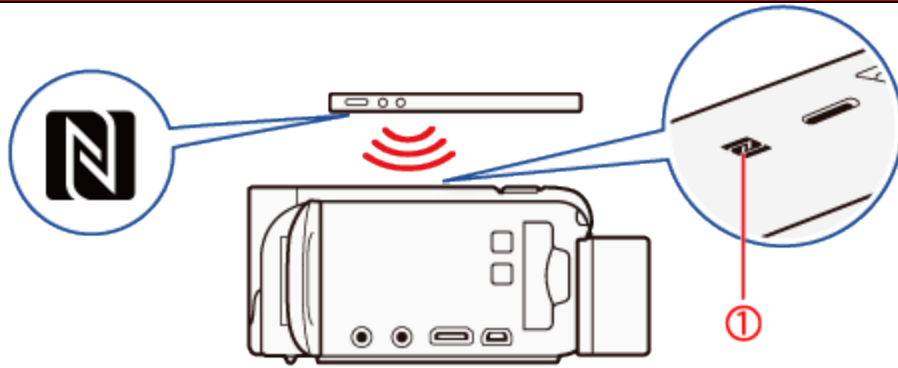
The iOS/Android device setting procedures for both automatic (15-a), and manual (15-b) registration are explained below.

NOTE

As long as you do not reset the camcorder's settings, you only need to register the camcorder's ID the first time you connect the device.

REFERENCE

Pairing an NFC-compatible device



①: NFC touchpoint

1. Touch the NFC touchpoint  on the Android device* to the NFC touchpoint  on the camcorder.

- Align the center of the NFC touchpoints on both devices. If there is no reaction, try changing the position of the Android device slightly while it is touching the camcorder.
- When the device is recognized, the Android device will emit a sound** and the CameraAccess plus app will start automatically.

* For illustration purposes only. For details about the devices NFC function and the location/mark of the NFC touchpoint, refer to the instruction manual of the Android device used.

** Depending on the settings and specifications of the Android device used, no sound may be emitted.

2. Android device: When the camcorder's ID is correctly registered, a message will prompt you to turn off Wi-Fi on the device. Select [Turn off Wi-Fi] or [Do not turn off Wi-Fi] (to keep using Wi-Fi on the device) and then touch Set.

- Camcorder: After the Wi-Fi connection to the Android device is terminated, the camcorder will reconnect automatically to the previously selected access point.
- Registering the camcorder's ID automatically.

15-a-1. Connect the iOS/Android device to the access point you registered in step 14.

15-a-2. Start the CameraAccess plus app.



15-a-3. Start the CameraAccess plus app and touch [Setting] and then [Start].



15-a-4. The camcorders ID will be registered.

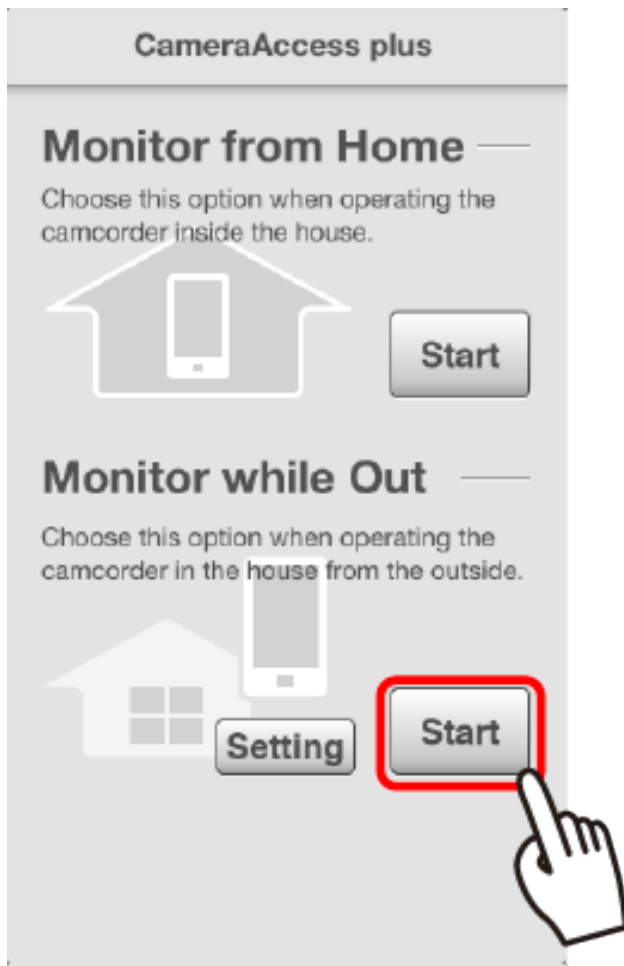
15-a-5. Touch [End].

15-a-6. End the wireless connection to the access point.

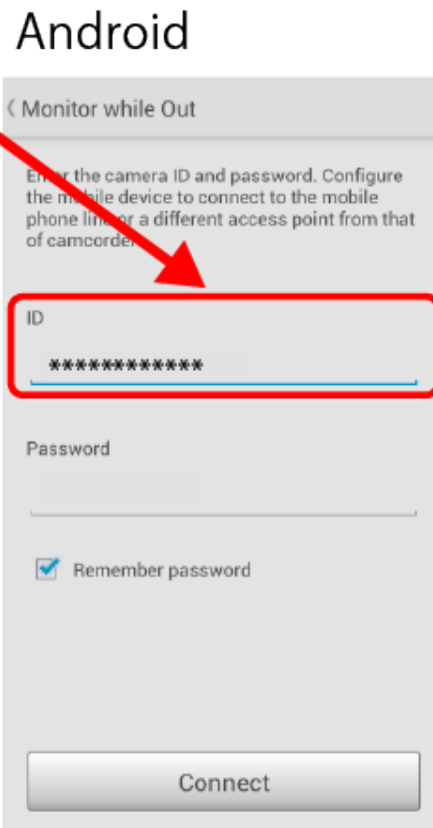
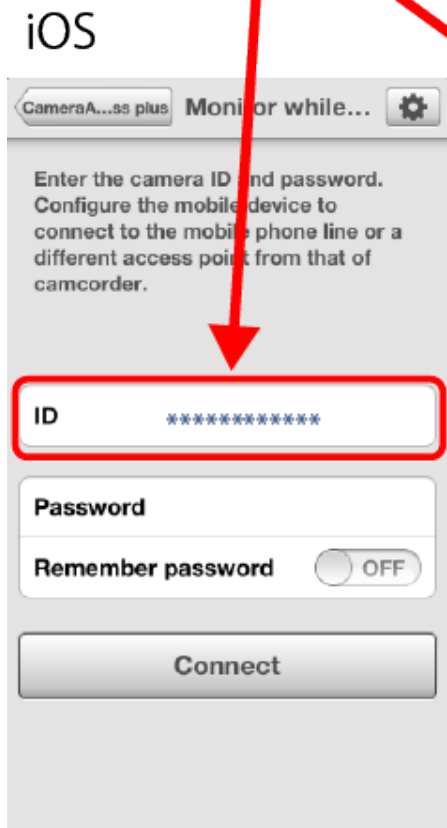
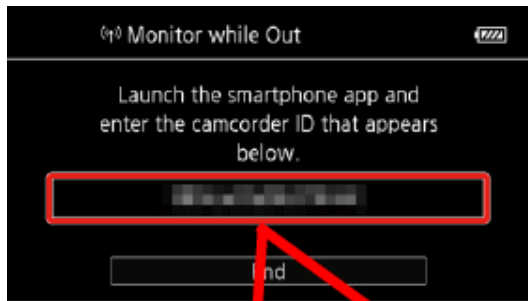
- Registering the camcorders ID manually.

15-b-1. Start the CameraAccess plus app.

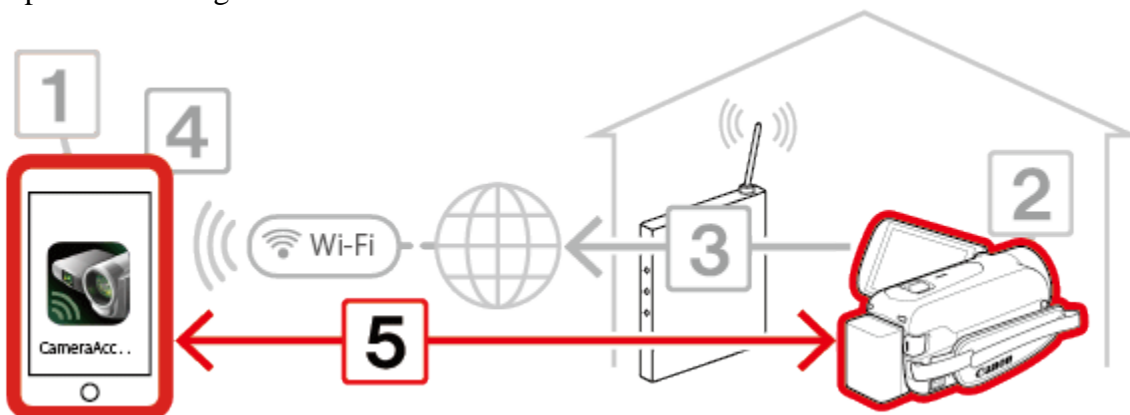
15-b-2. Touch [Start].



15-b-3. Follow the onscreen instructions to register the ID displayed on the camcorders screen.



Step 5: Controlling the camcorder with the iOS/Android device



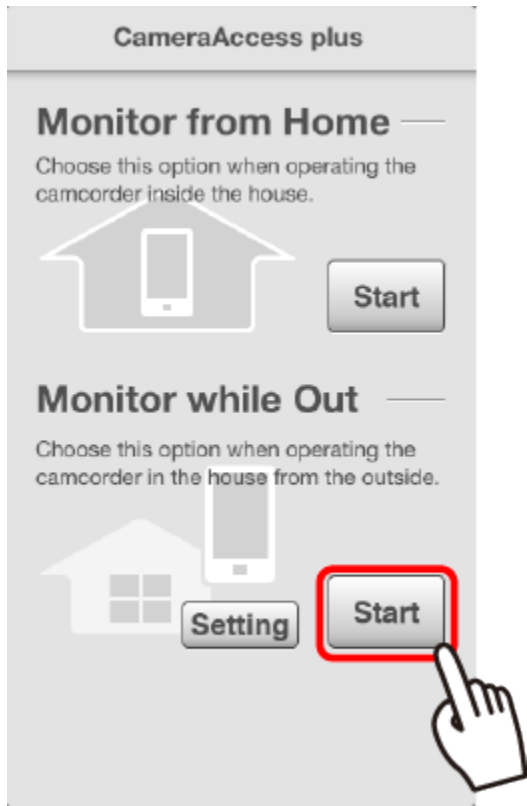
16. iOS/Android device: Start CameraAccess plus while in a secondary location.



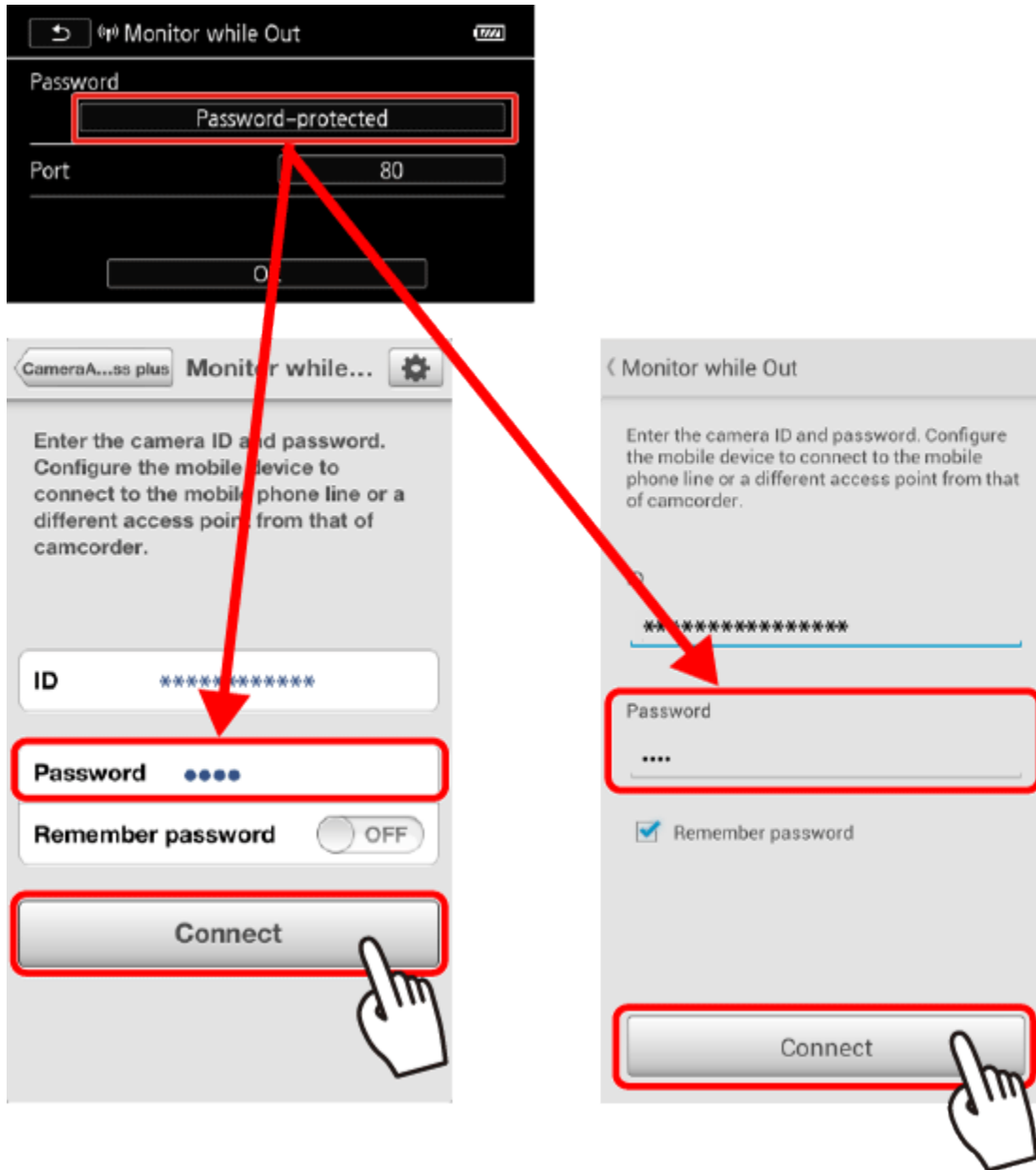
NOTE

Confirm that the camcorder is on, set to Monitor while Out, and connected to a Wi-Fi access point.

17. iOS/Android device: connect to the Wi-Fi network and touch [Start] under [Monitor while Out].

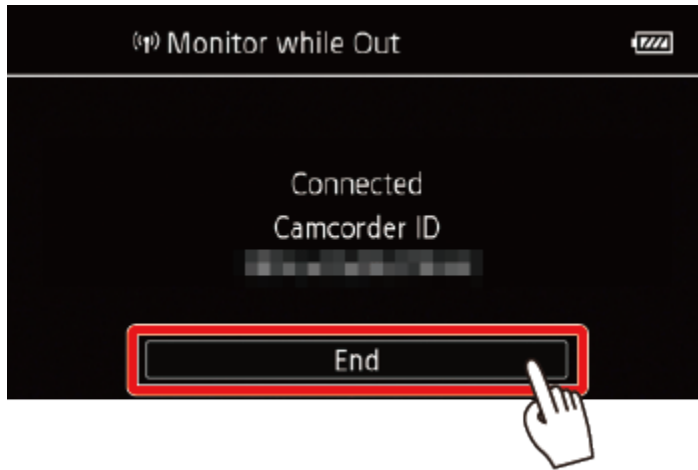


18. iOS/Android device: Enter the password for the [Monitor while Out] function that you set in the camcorder in step 7, and then touch Connect.



19. iOS/Android device: Use the apps onscreen controls to operate the camcorder while viewing the live image on the device.

20. Camcorder: To end the Monitor while Out mode, touch [End] to end the wireless connection and then turn off the camcorder.





NOTE

- For details about CameraAccess plus, please refer to the following site.

<http://pixela.jp/cermc>

- When the camcorder is in Monitor from Home or Monitor while Out mode, the shooting mode will be set automatically to **AUTO**.
- Even if the frame rate was set to 24P, video recorded in Monitor from Home or Monitor while Out mode will be recorded at 30P.
- This function is not available in the following cases.


- When the video quality is 60P.

- When  >  > [Dual recording] or [Relay recording] is activated.

- Depending on the connection and the strength of the wireless signal, there may be interruption in the live video image or the response may be slow.

About the optional CT-V1 Camera Pan Table

- If you mount the camcorder on the optional CT-V1 Camera Pan Table, you can use the CameraAccess plus app on your iOS/ Android device as a remote control to move the camcorder sideways (panning) in addition to starting/stopping recording.

- Notice that there are two possible directions for mounting a camcorder on the CT-V1. This camcorder should be mounted so that the lens is aligned with the  mark on the underside of the CT-V1s camcorder base plate. For details, refer to the instruction manual of the CT-V1.

