Nikon

Z 7
Z 6

Network Guide

- Read this manual thoroughly before using the camera.
- After reading this manual, keep it in a readily accessible place for future reference.

En

Choose from 3 different manuals.

☑ **For information on wireless connections, read:**

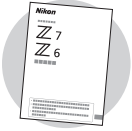
The ***Network Guide*** (this manual)

Learn how to use Wi-Fi or Bluetooth to connect the camera to a computer or a smart device such as smartphone or tablet.

Also included is information on such topics as the tasks that can be accomplished using a WT-7 wireless transmitter.

☑ **For a guide to basic shooting and playback, read:**

The ***User's Manual*** (included)



Master basic camera operations as well as features specific to this camera.

- Table of Contents
- Getting to Know the Camera
- First Steps
- Basic Photography and Playback
- Basic Settings
- Shooting Controls
- The **i** Button
- Troubleshooting

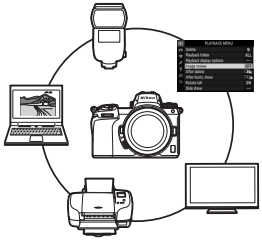
☑ For a guide to all aspects of camera operation, read:

The ***Reference Manual*** (pdf)

In addition to the material covered in the *User's Manual* supplied with the camera, the *Reference Manual* details the options available in the camera menus and covers such topics as connecting the camera to other devices.

Among the topics covered in the Reference Manual are:

- Basic shooting and playback operations
- Advanced shooting options
- The camera menus
- Connecting to computers, printers, and HDMI devices
- Flash photography using optional flash units



The Reference Manual (pdf) is available from the Nikon Download Center.

nikon download center Z 7 Z 6

Z 7: *https://downloadcenter.nikonimglib.com/en/products/492/Z_7.html*
Z 6: *https://downloadcenter.nikonimglib.com/en/products/493/Z_6.html*

The Reference Manual can also be viewed online in html format.

nikon online manual Z 7 Z 6

https://onlinemanual.nikonimglib.com/z7_z6/en/

About This Guide

This guide is chiefly devoted to describing how to connect to a wireless local area network (LAN) using the camera's built-in Wi-Fi and how to use network features once connected. Be sure to read this guide and the camera manual thoroughly and to keep them where they will be read by all those who use the product. Should damage to this guide render it illegible, a replacement copy (pdf) can be downloaded from the Nikon Download Center.

Symbols and Conventions

To make it easier to find the information you need, the following symbols and conventions are used:

This icon marks notes; information that should be read before using this product.

This icon marks tips, additional information you may find helpful when using this product.

This icon marks references to other sections in this manual.

Menu items, options, and messages displayed in the camera monitor are shown in **bold**.

Throughout this manual, smartphones and tablets are referred to as "smart devices", and the XQD memory cards used by the camera as "memory cards".

Camera Settings

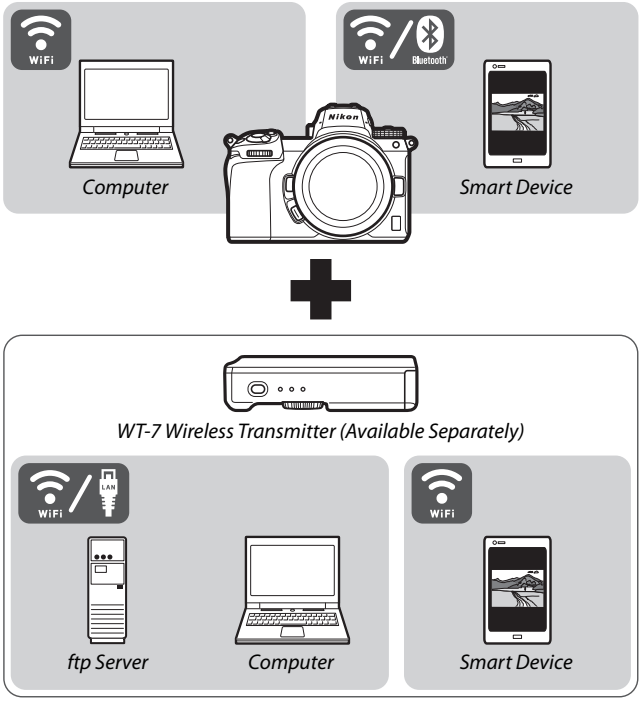
The explanations in this manual assume that default settings are used.

Illustrations

The appearance and content of the software and operating system dialogs, messages, and displays shown in this guide may vary with the operating system used. For information on basic computer operations, see the documentation provided with the computer or operating system.

Camera and Network System Chart

The types of network connection available with the camera and optional accessories are shown below. The focus of this guide is on connecting to computers; for information on connecting to networks using a WT-7 wireless transmitter, see the manual supplied with the WT-7.

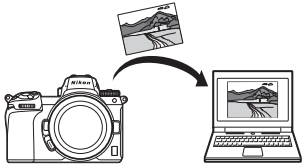


What Networks Can Do for You

The camera supports network connections to computers, smartphones, tablets, and other devices. Once connected, you can upload pictures or control the camera remotely.

☑ **Want to upload pictures to a computer?**

➔ **…then connect via Wi-Fi (🕮 1)**
Using the camera's built-in wireless LAN (Wi-Fi), you can connect to computers to upload photos and movies.



Connecting to a Computer

The camera can connect either:

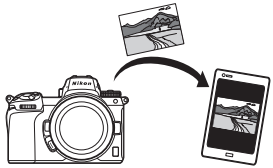
- by direct wireless link (access-point mode, 🕮 3), or
- via a wireless router on an existing network, including home networks (infrastructure mode, 🕮 7).

Access-point mode

Infrastructure mode

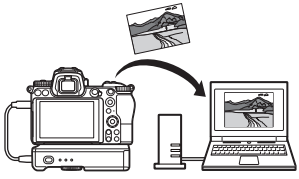
☑ **Want to download pictures to or**
☑ **control the camera from a smart device?**

➔ **…then connect using the SnapBridge app (🕮 18)**
Install the SnapBridge app on your smartphone or tablet (smart device) and connect to the camera via Bluetooth or Wi-Fi.



☑ **Want to upload pictures to a computer or ftp server,**
☑ **control the camera from a computer, or**
☑ **control the camera from a web browser?**

➔ **…then connect using the WT-7 (🕮 37)**
Connecting to a network using the optional WT-7 wireless transmitter gives access to a variety of features.



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  Under copyright law, photographs or recordings of copyrighted works made with the camera cannot be used without the permission of the copyright holder. Exceptions apply to personal use, but note that even personal use may be restricted in the case of photographs or recordings of exhibits or live performances.

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Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually-updated information is available online at the following sites:

- **For users in the U.S.A.**: *https://www.nikonusa.com/*
- **For users in Europe and Africa**: *https://www.europe-nikon.com/support/*
- **For users in Asia, Oceania, and the Middle East**: *https://www.nikon-asia.com/*

Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently-asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the following URL for contact information: *https://imaging.nikon.com/*

Background Knowledge

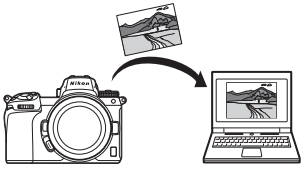
This guide assumes basic knowledge of wireless local area networks (LANs). For more information on installing, configuring, and using the devices in a network, contact the manufacturer or network administrator. Information on configuring computers for connection to wireless networks may be found in the online help for the Wireless Transmitter Utility.

Connecting to Computers via Wi-Fi

This chapter describes how to connect to a computer using the camera's built-in Wi-Fi.

What Wi-Fi Can Do for You

Connect via Wi-Fi to upload selected pictures to a computer.



The Wireless Transmitter Utility

After configuring the camera for connection, you will need to pair it with the computer using the Wireless Transmitter Utility before you will be able to upload or download images via Wi-Fi. Once the devices are paired, you will be able to connect to the computer from the camera.

The Wireless Transmitter Utility is a computer application available for download from the Nikon Download Center: *https://downloadcenter.nikonimglib.com*
Be sure to download the latest version after reading the release notes and system requirements.

Infrastructure and Access-Point Modes

The camera can connect either via a wireless router on an existing network (infrastructure mode) or by direct wireless link (access-point mode).

Access-Point Mode

Access-point mode (🕮 3)

The camera and computer connect via direct wireless link, with the camera acting as a wireless LAN access point and without the need for complicated adjustments to settings. Choose this option when working outdoors or in other situations in which the computer is not already connected to a wireless network.

Infrastructure Mode

Infrastructure mode (🕮 7)

The camera connects to a computer on an existing network (including home networks) via a wireless router. The computer can still connect to the Internet while connected to the camera.

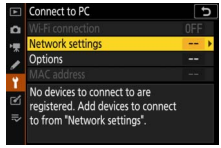
Infrastructure Mode

This guide assumes you are connecting via an existing wireless network. Connection to computers beyond the local area network is not supported.

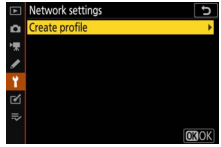
Connecting in Access-Point Mode

Follow the steps below to create a direct wireless link to a computer in access-point mode.

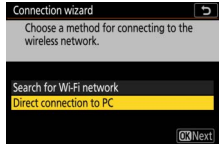
1 Display network settings.
Select **Connect to PC** in the camera setup menu, then highlight **Network settings** and press ▶.



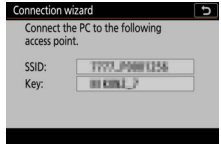
2 Select Create profile.
Highlight **Create profile** and press OK.



3 Select Direct connection to PC.
Highlight **Direct connection to PC** and press OK.

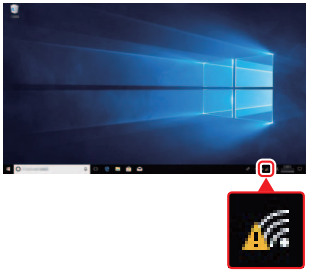


The camera SSID and encryption key will be displayed.



4 Connect from the computer.

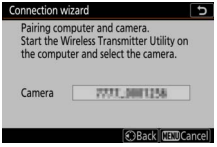
Windows: Click the wireless LAN icon in the taskbar and select the SSID displayed by the camera in Step 3. When prompted to enter the network security key, enter the encryption key displayed by the camera in Step 3.



macOS/OS X: Click the wireless LAN icon in the menu bar and select the SSID displayed by the camera in Step 3. When prompted to supply a password, enter the encryption key displayed by the camera in Step 3.

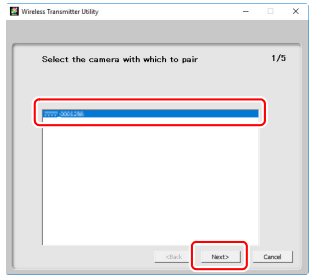
5 Launch the Wireless Transmitter Utility.

When prompted, launch the Wireless Transmitter Utility on the computer.



6 Select the camera.

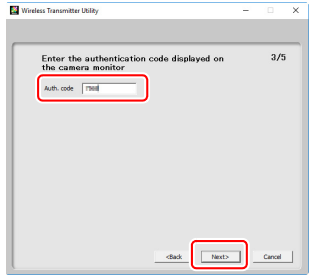
In the Wireless Transmitter Utility, select the camera name displayed in Step 5 and click **Next**.



7 Enter the authentication code.

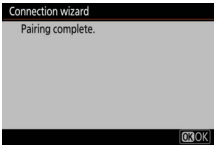
The camera will display an authentication code.

Enter the authentication code in the dialog displayed by the Wireless Transmitter Utility and click **Next**.

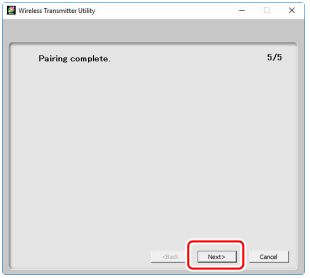


8 Complete the pairing process.

When the camera displays a message stating that pairing is complete, press ⓞ.



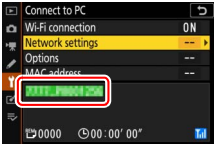
In the Wireless Transmitter Utility, click **Next**. The application will close automatically.



A connection will now be established between the camera and computer.

9 Check the connection.

When a connection is established, the network SSID will be displayed in green in the camera **Connect to PC** menu.

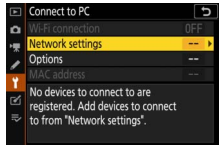


Now that a wireless connection has been established, you can upload images to the computer as described in“Uploading Pictures” (🕮 14).

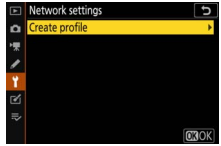
Connecting in Infrastructure Mode

Follow the steps below to connect to a computer on an existing network in infrastructure mode.

1 Display network settings.
Select **Connect to PC** in the camera setup menu, then highlight **Network settings** and press ▶.

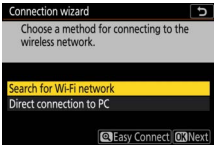


2 Select Create profile.
Highlight **Create profile** and press OK.



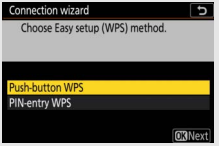
3 Search for existing networks.

Highlight **Search for Wi-Fi network** and press ⓚ. The camera will search for networks currently active in the vicinity and list them by name (SSID).



☑ "Easy Connect"

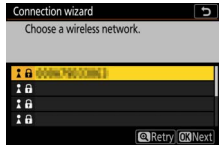
To connect without entering an SSID or encryption key, press ⊕ in Step 3, then press ⓚ and choose from the following options:



- **Push-button WPS**: For routers that support push-button WPS. Press the camera ⓚ button to connect.
- **PIN-entry WPS**: The camera will display a PIN; to connect, use a computer to enter the PIN into the router (for more information, see the documentation provided with the router).

After connecting, proceed to Step 6.

4 Choose a network.



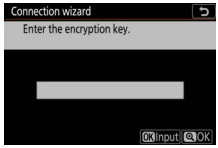
Highlight a network SSID and press OK (if the desired network is not displayed, press to search again). Encrypted networks are indicated by a icon; if the selected network is encrypted, you will be prompted to enter the encryption key as described in Step 5. If the network is not encrypted, proceed to Step 6.

Hidden SSIDs

Networks with hidden SSIDs are indicated by blank entries in the network list. If you highlight a blank entry and press OK, you will be prompted to provide the network name; press OK, enter a name, and then press . Press again to proceed to Step 5.

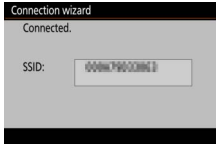
5 Enter the encryption key.

When prompted to enter the encryption key for the wireless router, press ⊛…



…and enter the key as described below. For information on the encryption key, see the documentation for the wireless router. Press ⊕ when entry is complete.

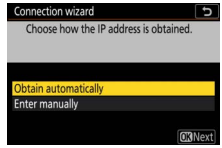
Press ⊕ again to initiate the connection. The message at right will be displayed for a few seconds when the connection is established.



Text Entry

A keyboard is displayed when text entry is required. Tap letters on the screen (to cycle through the upper- and lower-case and symbol keyboards, tap the keyboard selection button) or use the multi selector to highlight characters and press ⊛ to insert them at the current cursor position.

6 Obtain or select an IP address.



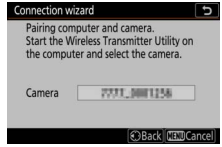
Highlight one of the following options and press ⓚ.

- **Obtain automatically**: Select this option if the network is configured to supply the IP address automatically.
- **Enter manually**: When prompted, enter an IP address by rotating the main command dial to highlight segments, pressing ◀ and ▶ to change and pressing ⓚ to accept. Press ⊕ to exit to the "IP address configuration complete" dialog when entry is complete. Pressing ⊕ again displays the sub-net mask, which you can edit by pressing ▲ and ▼, pressing ⓚ to exit when entry is complete.

Confirm the IP address and press ⓚ to proceed.

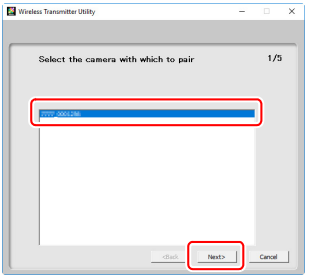
7 Launch the Wireless Transmitter Utility.

When prompted, launch the Wireless Transmitter Utility on the computer.



8 Select the camera.

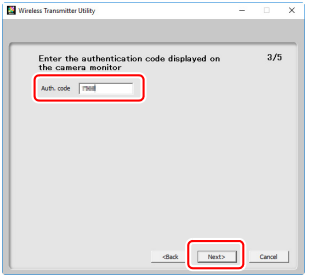
In the Wireless Transmitter Utility, select the camera name displayed in Step 7 and click **Next**.



9 Enter the authentication code.

The camera will display an authentication code.

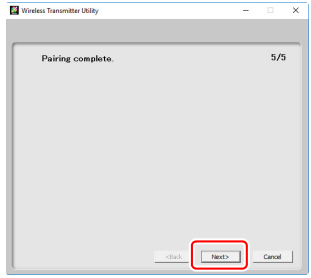
Enter the authentication code in the dialog displayed by the Wireless Transmitter Utility and click **Next**.



10 Complete the pairing process.

When the camera displays a message stating that pairing is complete, press ⓞ.

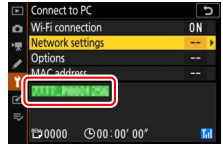
In the Wireless Transmitter Utility, click **Next**. The application will close automatically.



A connection will now be established between the camera and computer.

11 Check the connection.

When a connection is established, the network SSID will be displayed in green in the camera **Connect to PC** menu.



Now that a wireless connection has been established, you can upload images to the computer as described in “Uploading Pictures” (🕮 14).

Uploading Pictures

You can select pictures for upload in the camera playback display or upload pictures as they are taken.

Destination Folders

By default, images are uploaded to the following folders:

- **Windows**: \Users\(user name)\Pictures\Wireless Transmitter Utility
- **Mac**: /Users/(user name)/Pictures/Wireless Transmitter Utility

The destination folder can be selected using the Wireless Transmitter Utility. For more information, see the utility's online help.

Selecting Pictures for Upload

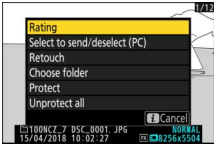
Follow the steps below to select pictures for upload.

1 Start playback.

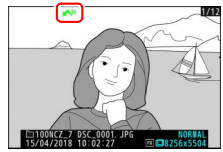
Press the ▶ button on the camera and select full-frame or thumbnail playback.

2 Press the *i* button.

Select a picture and press the *i* button to display the playback *i* menu.

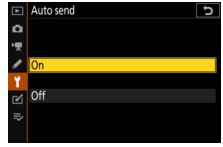


3 **Choose Select to send/deselect (PC).**
Highlight **Select to send/deselect (PC)** and press ⓚ. A white transfer icon will appear on the picture. If the camera is currently connected to a network, upload will begin immediately; otherwise, upload will begin when a connection is established. The transfer icon turns green during upload.



Deselecting Pictures
To remove transfer marking from the current picture, highlight **Select to send/deselect (PC)** and press ⓚ. To remove transfer marking from all pictures, select **Connect to PC** > **Options** > **Deselect all?** in the setup menu.

Uploading Photos as They Are Taken



To upload new photos as they are taken, select **On** for **Connect to PC** > **Options** > **Auto send**. Upload begins only after the photo has been recorded to the memory card; be sure a memory card is inserted in the camera. Movies and photographs taken in movie mode are not uploaded automatically when recording is complete but must instead be uploaded from the playback display.

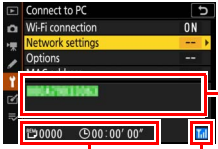
The Transfer Icon

Upload status is indicated by the transfer icon.

- (white): **Send**. The picture has been selected for upload but upload has not yet begun.
- (green): **Sending**. Upload in progress.
- (blue): **Sent**. Upload complete.

The "Connect to PC" Status Display

The **Connect to PC** display shows the following information:



***Status**: The status of the connection to the host. The host name is displayed in green when a connection is established. While files are being transferred, the status display shows "Now sending" preceded by the name of the file being sent. Any errors that occur during transfer are also displayed here.*

***Signal strength**: Wireless signal strength.*

***Pictures/time remaining**: The estimated time required to send the remaining pictures.*

Loss of Signal

Wireless transmission may be interrupted if the signal is lost, but can be resumed by turning the camera off and then on again.

Disconnecting and Reconnecting

The camera's link to an existing network can be suspended or resumed as described below.

Disconnecting

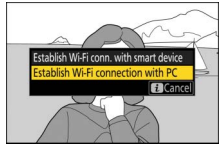
You can disconnect by turning the camera off, selecting **Disable** for **Connect to PC** > **Wi-Fi connection** in the setup menu, or selecting **Wi-Fi connection** > **Close Wi-Fi connection** in the **i** menu for shooting mode. The connection to the computer will also end if you use Wi-Fi to connect to a smart device.

Access-Point Mode
An error will occur if the computer's wireless connection is disabled before the camera's. Disable camera Wi-Fi first.

Reconnecting

To reconnect to an existing network, either:

- select **Enable** for **Connect to PC** > **Wi-Fi connection** in the setup menu, or
- choose **Wi-Fi connection** > **Establish Wi-Fi connection with PC** in the **i** menu for shooting mode.



Access-Point Mode
Enable camera Wi-Fi before connecting.

Multiple Network Profiles
If the camera has profiles for more than one network, it will reconnect to the last network used. Other networks can be selected using the **Connect to PC** > **Network settings** option in the setup menu.

Connecting to Smart Devices

To connect to the camera from a smartphone or tablet (below, "smart device"), download the SnapBridge app.

The SnapBridge App

Use the SnapBridge app for wireless connections between the camera and smart devices.

The SnapBridge app is available free of charge from the Apple App Store® and on Google Play™. Visit the Nikon website for the latest SnapBridge news.

What SnapBridge Can Do for You

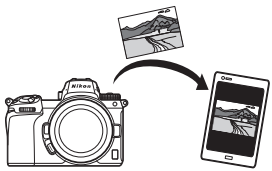
Using the SnapBridge app, you can:

- **Download pictures from the camera**
  Download existing pictures or download new pictures as they are taken.
- **Control the camera remotely (remote photography)**
  Control the camera and take pictures from the smart device.

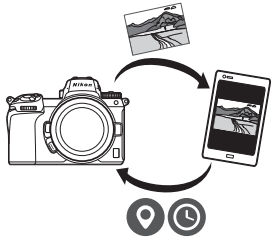
For details, see the SnapBridge app online help:
https://nikonimglib.com/snbr/onlinehelp/en/index.html

Wireless Connections

Using the SnapBridge app, you can connect via Wi-Fi (📖 20) or Bluetooth (📖 26). Connecting via Bluetooth allows you to set the camera clock and update location data using information provided by the smart device.



Wi-Fi



Bluetooth

Connecting via Wi-Fi (Wi-Fi Mode)

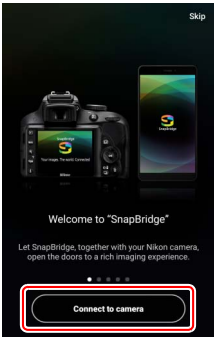
Follow the steps below to connect to the camera via Wi-Fi.

Before Connecting

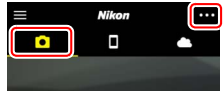
Before connecting, enable Wi-Fi on the smart device (for details, see the documentation provided with the device), check that there is space available on the camera memory card, and ensure that the batteries in the camera and smart device are fully charged to prevent the devices turning off unexpectedly.

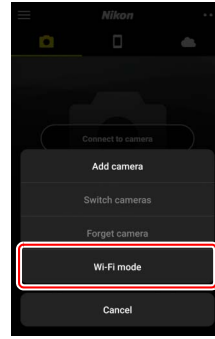
1 **Smart device: Launch the SnapBridge app.**

If this is the first time you have launched the app, tap **Connect to camera** and proceed to Step 2.



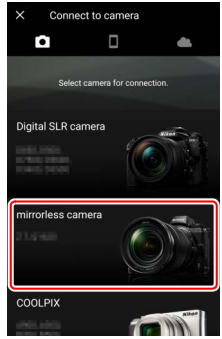
If you have launched the app before, open the tab and tap > **Wi-Fi mode** before proceeding to Step 3.

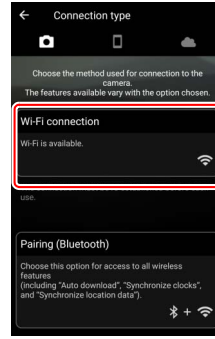




2 Smart device: Choose the camera and connection type.

When prompted to choose the camera type, tap **mirrorless camera** and then tap **Wi-Fi connection**.



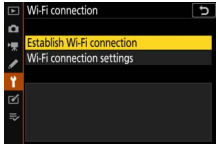


3 Camera: Turn the camera on.

The smart device will instruct you to ready the camera. Turn the camera on. Do NOT tap **Next** until you have completed Step 4.

4 Camera: Enable Wi-Fi.

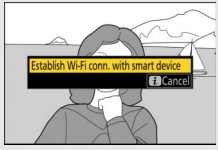
Select **Connect to smart device** > **Wi-Fi connection** in the setup menu, then highlight **Establish Wi-Fi connection** and press ⓚ.



The camera SSID and password will be displayed.

Enabling Wi-Fi

You can also enable Wi-Fi by selecting **Wi-Fi connection** > **Establish Wi-Fi conn. with smart device** in the *i* menu for shooting mode.



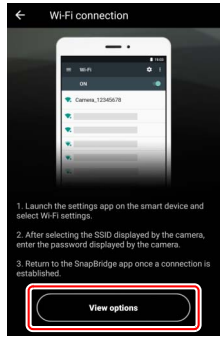
5 Smart device: Tap Next.

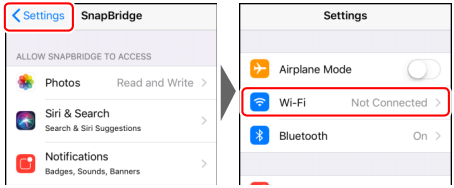
Tap **Next** once you have enabled Wi-Fi on the camera as described in the preceeding step.

6 Smart device: Tap View options.

After reading the instructions displayed by the smart device, tap **View options**.

- **Android devices**: Wi-Fi settings will be displayed.
- **iOS devices**: The "Settings" app will launch. Tap **< Settings** to open the "Settings" app. Next, scroll up and tap **Wi-Fi**, which you'll find near the top of the settings list.

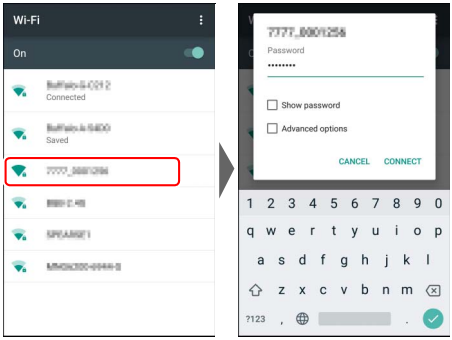




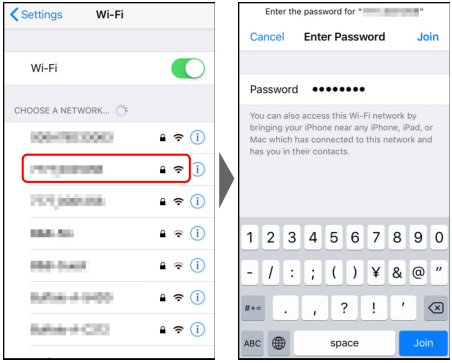
7 Smart device: Enter the camera SSID and password.

Enter the SSID and password displayed by the camera in Step 4.

Android device (actual displays may differ)



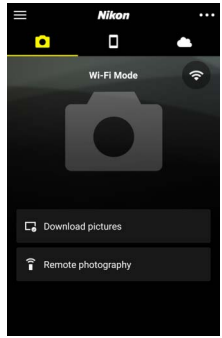
iOS device (actual displays may differ)



You will not be required to enter the password when next you connect to the camera.

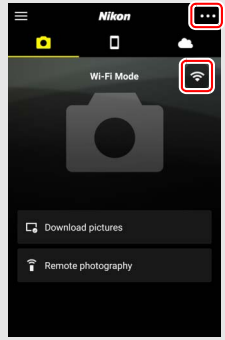
8 Smart device: Return to the SnapBridge app.

After a Wi-Fi connection is established, Wi-Fi mode options will be displayed. See online help for information on using the SnapBridge app.



Ending Wi-Fi Connections

To end the Wi-Fi connection, tap . When the icon changes to , tap and select **Exit Wi-Fi mode**.



Connecting via Bluetooth

For information on pairing the camera and smart device when connecting for the first time, see “Connecting for the First Time: Pairing”, below. For information on connecting once pairing is complete, see “Connecting to a Paired Device” (🕮 36).

■■ *Connecting for the First Time: Pairing*

Before connecting via Bluetooth for the first time, you will need to pair the camera and smart device as described below. See “Android”, below, if you are using an Android device, or “iOS” (🕮 31) for information on pairing with iOS devices.

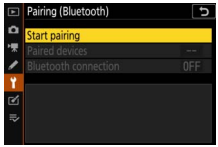
✔ Before Pairing

Before beginning pairing, enable Bluetooth on the smart device (for details, see the documentation provided with the device), check that there is space available on the camera memory card, and ensure that the batteries in the camera and smart device are fully charged to prevent the devices turning off unexpectedly.

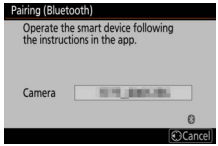
Android

Follow the steps below to pair the camera with an Android device.

1 **Camera: Ready the camera.**
Select **Connect to smart device** > **Pairing (Bluetooth)** in the setup menu, then highlight **Start pairing** and press ⓚ…

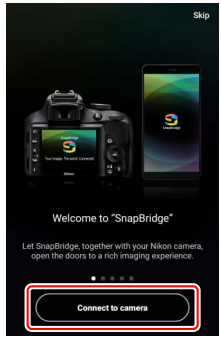


…to display the camera name.

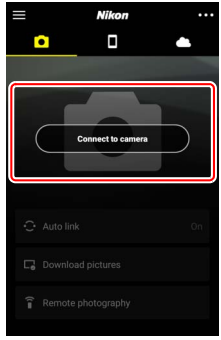


2 Android device: Launch the SnapBridge app.

If this is the first time you have launched the app, tap **Connect to camera** and proceed to Step 3.

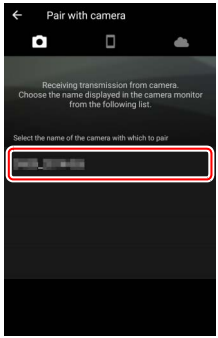


If you have launched the app before, open the tab and tap **Connect to camera**.



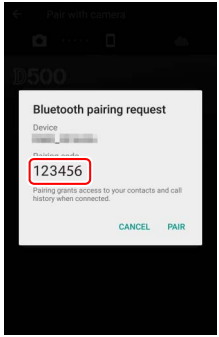
3 Android device: Choose the camera.

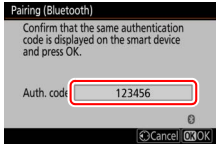
Tap the camera name.



4 Camera/Android device: Check the authentication code.

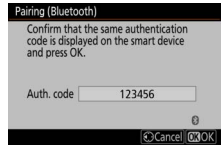
Confirm that the camera and Android device display the same authentication code (circled in the illustration).



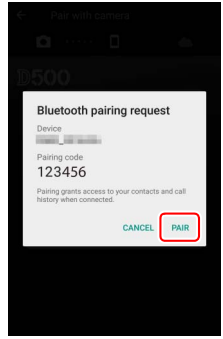


5 Camera/Android device: Initiate pairing.

Camera: Press ⓞⓚ.



Android device: Tap the button indicated in the illustration (the label may differ depending on the version of Android you are using).



Pairing Error

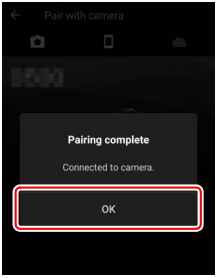
If you wait too long between pressing the button on the camera and tapping the button on the Android device, pairing will fail and an error will be displayed.

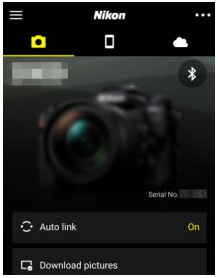
- **Camera**: Press ⓞⓚ and return to Step 1.
- **Android device**: Tap **OK** and return to Step 2.

6 Camera/Android device: Follow the on-screen instructions.

Camera: Press ⓞⓚ. The camera will display a message stating that the devices are connected.

Android device: Pairing is complete. Tap **OK** to exit to the ● tab.





✓ Pairing for the First Time

The first time you pair the Android device with a camera after installing the SnapBridge app, you will be prompted to select auto link (auto upload and auto clock and location synchronization) options. This prompt will not appear again, but auto link settings can be accessed at any time using **Auto link** in the ● tab.

Pairing is now complete. The next time you use the SnapBridge app, you can connect as described in "Connecting to a Paired Device" (🕮 36).

✓ Ending Bluetooth Connections

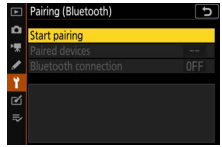
To end the connection to the smart device, select **Disable** for **Connect to smart device** > **Pairing (Bluetooth)** > **Bluetooth connection** in the camera setup menu.

iOS

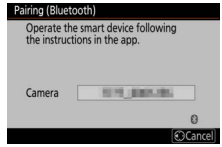
Follow the steps below to pair the camera with an iOS device. For information on Android devices, see “Android” (🕮 26).

1 Camera: Ready the camera.

Select **Connect to smart device** > **Pairing (Bluetooth)** in the setup menu, then highlight **Start pairing** and press ⓚ…

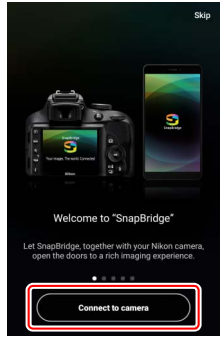


…to display the camera name.

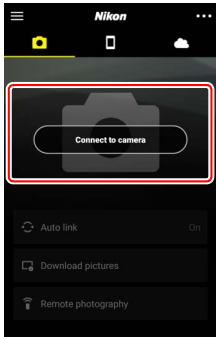


2 iOS device: Launch the SnapBridge app.

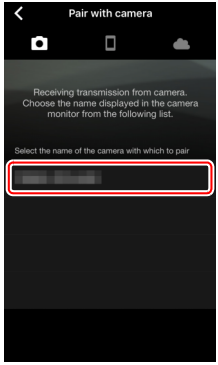
If this is the first time you have launched the app, tap **Connect to camera** and proceed to Step 3.



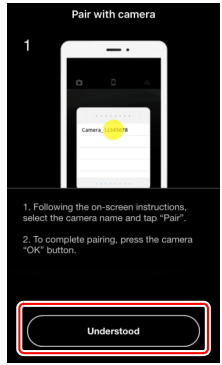
If you have launched the app before, open the tab and tap **Connect to camera**.



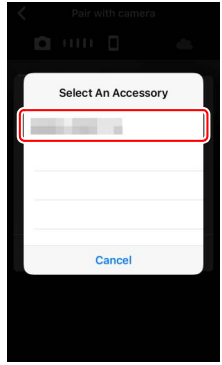
3 iOS device: Choose the camera.
Tap the camera name.



4 **iOS device: Read the instructions.**
Read the pairing instructions carefully and tap **Understood**.

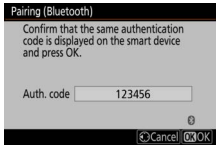


5 **iOS device: Select an accessory.**
When prompted to select an accessory, tap the camera name again.

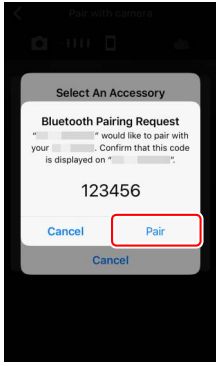


6 Camera/iOS device: Initiate pairing.

Camera: Press ⓚ.



iOS device: Tap the button indicated in the illustration (the label may differ depending on the version of iOS you are using).



Pairing Error

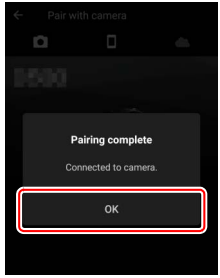
If you wait too long between pressing the button on the camera and tapping the button on the iOS device, pairing will fail and an error will be displayed.

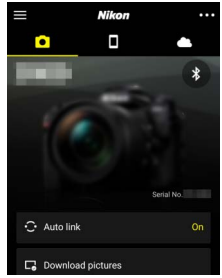
- **Camera**: Press ⓚ and return to Step 1.
- **iOS device**: Dismiss the SnapBridge app and check that it is not running in the background, then open the iOS "Settings" app and request iOS to "forget" the camera as shown in the illustration before returning to Step 1.

7 Camera/iOS device: Follow the on-screen instructions.

Camera: Press ⊛. The camera will display a message stating that the devices are connected.

iOS device: Pairing is complete. Tap **OK** to exit to the ● tab.





✓ Pairing for the First Time

The first time you pair the iOS device with a camera after installing the SnapBridge app, you will be prompted to select auto link (auto upload and auto clock and location synchronization) options. This prompt will not appear again, but auto link settings can be accessed at any time using **Auto link** in the ● tab.

Pairing is now complete. The next time you use the SnapBridge app, you can connect as described in "Connecting to a Paired Device" (🕮 36).

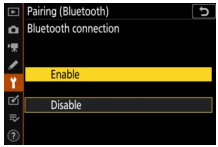
✓ Ending Bluetooth Connections

To end the connection to the smart device, select **Disable** for **Connect to smart device** > **Pairing (Bluetooth)** > **Bluetooth connection** in the camera setup menu.

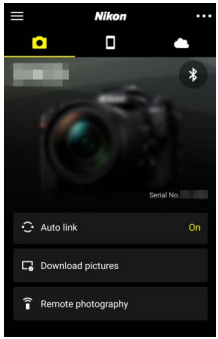
■■ *Connecting to a Paired Device*

Connecting to a smart device that has already been paired with the camera is quick and easy.

1 **Camera: Enable Bluetooth.**
In the setup menu, select **Connect to smart device** > **Pairing (Bluetooth)** > **Bluetooth connection**, then highlight **Enable** and press ⓚ.



2 **Smart device: Launch the SnapBridge app.**
A Bluetooth connection will be established automatically.



Connecting to Networks Using the WT-7

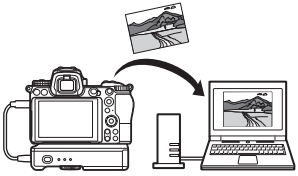
When attached to the camera, the optional WT-7 wireless transmitter can be used to connect to computers, ftp servers, or other devices over Ethernet or wireless networks.

Before Connecting the WT-7
Before connecting the WT-7, confirm that the firmware for the camera and WT-7 have been updated to the latest versions. For more information, visit the Nikon website for your region (🕮 xii).

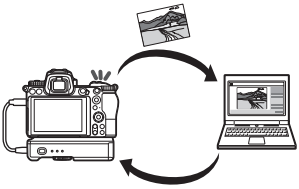
What the WT-7 Can Do for You

Using the WT-7, you can:

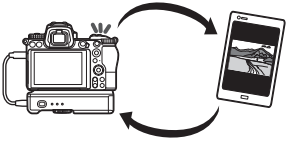
- **Upload existing photos and movies to an ftp server or computer**
  Not only can you copy pictures to computers (image transfer mode), you can also upload them to ftp servers (ftp upload mode). Pictures can be uploaded as they are taken.



- **Control the camera and take pictures remotely from a computer**
  Installing Camera Control Pro 2 (available separately) on a network computer gives you complete control over camera settings and lets you take pictures remotely and save them directly to the computer hard disk (camera control mode).

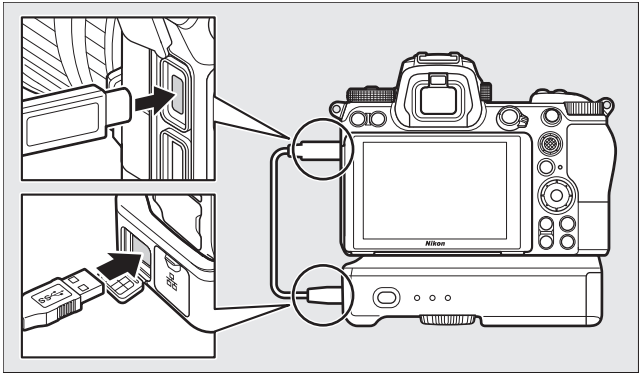


- **Control the camera and take pictures remotely from a web browser**
  Using a web browser, you can control the camera from network computers and smart devices for remote control that requires no dedicated app or computer software (http server mode).

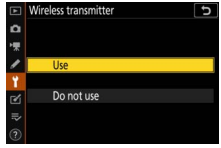


Connecting Using the WT-7

Connect the WT-7 using the USB cable supplied with the camera.



Turn the transmitter on and select **Wireless transmitter (WT-7)** > **Wireless transmitter** > **Use** in the camera setup menu.

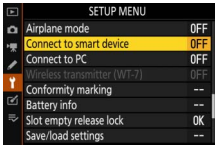


Menu Options for the WT-7
All menu options for the WT-7 can be found in the setup menu under **Wireless transmitter (WT-7)**. For more information, see the manual provided with the WT-7.

See the manual provided with the WT-7 for more information.

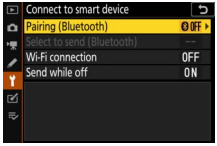
Menu Guide

Read this section for information on the menu items used when the camera is connected to a network. All the items listed are to be found in the setup menu.



Connect to Smart Device

Connect to smartphones or tablets (smart devices) via Bluetooth or Wi-Fi.



Pairing (Bluetooth)

Pair with or connect to smart devices using Bluetooth.

Option	Description
Start pairing	Pair the camera with a smart device (🕮 26).
Paired devices	List paired smart devices or switch from one device to another.
Bluetooth connection	Select **Enable** to enable Bluetooth.

Select to Send (Bluetooth)

Select pictures for upload to a smart device or choose whether to mark pictures for upload as they are taken. Upload begins immediately when a connection is established.

Option	Description
Auto select to send	If **On** is selected, photos will be marked for upload to a smart device as they are taken (this does not apply to photos taken in movie mode, which must be selected for upload manually). Regardless of the option selected with the camera, photos are uploaded in JPEG format at size of 2 megapixels.
Manual select to send	Mark selected pictures for upload.
Deselect all	Remove transfer marking from all images.

Wi-Fi Connection

Connect to smart devices via Wi-Fi.

■■ *Establish Wi-Fi Connection*

Initiate a Wi-Fi connection to a smart device. To connect, select the camera SSID on the smart device and enter the password (🕮 20). Once a connection is established, this option will change to **Close Wi-Fi connection**, which can be used to end the connection when desired.

■■ *Wi-Fi Connection Settings*

Access the following Wi-Fi settings:

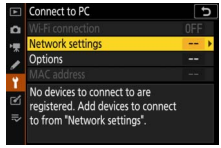
- **SSID**: Set the camera SSID.
- **Authentication/encryption**: Choose **OPEN** or **WPA2-PSK-AES**.
- **Password**: Set the camera password.
- **Channel**: Select **Auto** to have the camera choose the channel automatically, or select **Manual** and choose the channel manually.
- **Current settings**: View current Wi-Fi settings.
- **Reset connection settings**: Select **Yes** to reset Wi-Fi settings to default values.

Send While Off

If **On** is selected, upload of images to smart devices connected via Bluetooth will continue even when the camera is off.

Connect to PC

Connect to computers via Wi-Fi.



Wi-Fi Connection

Select **Enable** to connect using the settings currently selected for **Network settings**.

Network Settings

Select **Create profile** to create a new network profile (📖 3, 7). If more than one profile already exists, you can press OK to select a profile from a list. To edit an existing profile, highlight it and press ▶. The following options will be displayed:

- **General**: The profile name and password. Select **Profile name** to rename the profile (by default, the profile name is the same as the network SSID). To require that a password be entered before the profile can be changed select **On** for **Password protection** (to change the password, highlight **On** and press ▶).
- **Wireless**: Adjust settings for connection to a network via a router (infrastructure mode) or for direct wireless connection to the camera (access-point mode).
  - **Infrastructure mode**: Enter the network SSID and password and choose the type of authentication/encryption used on the network (**OPEN** or **WPA2-PSK-AES**). The channel is selected automatically.
  - **Access-point mode**: Enter the SSID and choose a channel (select **Auto** for automatic channel selection or **Manual** to choose the channel manually) and authentication/encryption type (**OPEN** or **WPA2-PSK-AES**) used for connection to the camera. If **WPA2-PSK-AES** is selected for **Authentication/encryption**, you can also set the camera password.
- **TCP/IP**: If **Enable** is selected for **Obtain automatically**, the IP address and sub-net mask for infrastructure mode connections will be acquired via a DHCP server or automatic IP addressing. Select **Disable** manually to enter the IP address (**Address**) and sub-net mask (**Mask**). Note that an IP address is required for infrastructure mode connections.

Options

Adjust upload settings.

■■ *Auto Send*

Select **On** to upload new photos as they are taken. Upload begins only after the photo has been recorded to the memory card; be sure a memory card is inserted in the camera. Movies and photos taken in movie mode are not uploaded automatically when recording is complete but must instead be uploaded from the playback display (🕮 14).

■■ *Delete After Send*

Select **Yes** to delete photographs from the camera memory card automatically once upload is complete (files marked for transfer before this option is selected are not deleted). Deletion may be suspended during some camera operations.

■■ *Send File As*

When uploading NEF+JPEG images, choose whether to upload both the NEF (RAW) and JPEG files or only the JPEG copy.

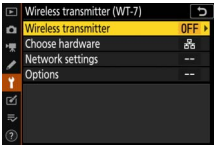
■■ *Deselect All?*

Select **Yes** to remove transfer marking from all images. Upload of images with a "sending" icon will immediately be terminated.

MAC Address

Display the camera MAC address.

Wireless Transmitter (WT-7)



Adjust settings for connection using an optional WT-7 wireless transmitter. These settings take effect when the WT-7 is connected and turned on, in which case the options selected for **Connect to smart device** and **Connect to PC** are automatically disabled. Information on the **Wireless transmitter** option can be found below; for information on **Choose hardware**, **Network settings**, and **Options**, see the manual provided with the WT-7.

Wireless Transmitter

Select **Use** to enable WT-7 when it is connected to the camera.

Troubleshooting

Solutions to some common issues are listed below. Troubleshooting information for the SnapBridge app can be found in the app's online help, which can be viewed at: *https://nikonimglib.com/snbr/onlinehelp/en/index.html*

For information on the WT-7, see the manual provided with the transmitter. For information on the Wireless Transmitter Utility or Camera Control Pro 2, see the online help for the application in question.

Problem	Solution	🕮
The camera displays a TCP/IP error.	Check settings for the host computer or wireless router and adjust camera settings appropriately.	44
The camera displays a "no memory card" error.	Confirm that the memory card is correctly inserted.	15
Upload is interrupted and fails to resume.	Upload will resume if the camera is turned off and then on again.	14
The connection is unreliable.	If **Auto** is selected for **Channel**, choose **Manual** and select the channel manually.	42
	If the camera is connected to a computer in infrastructure mode, check that the router is set to a channel between 1 and 8.	44
Connect to smart device and **Connect to PC** are grayed out and unavailable.	These options are not available while the WT-7 is in use. Turn the WT-7 off.	46

Appendix

Apple Public Source License

This product includes Apple mDNS source code that is subject to the terms of the Apple Public Source License located at URL *https://developer.apple.com/opensource/*.

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