

NX Field

Quick Setup Guide

- Read this document thoroughly before using the product.
- After reading this document, keep it readily accessible for future reference.

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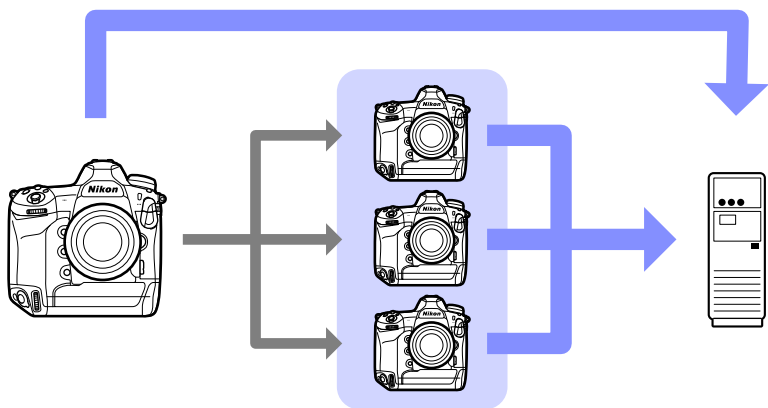
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Introduction

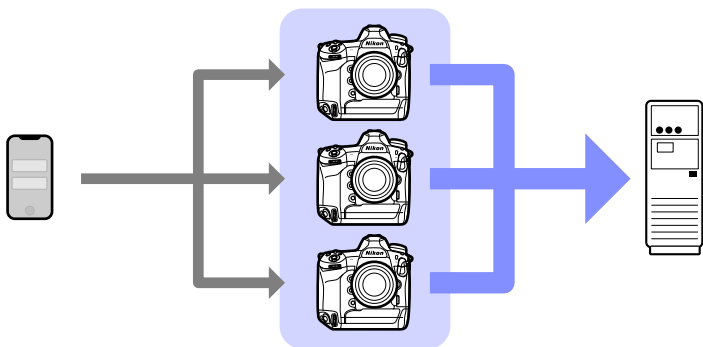
The NX Field System

What the NX Field System Can Do for You

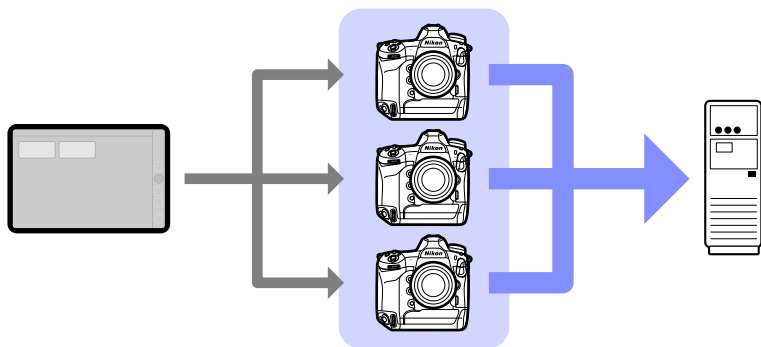
The NX Field System lets you operate cameras remotely from a master camera or from an iPhone or iPad running the NX Field app. Using the NX Field System, you can control multiple cameras remotely from a master camera, iPhone, or iPad and upload pictures to an FTP server as they are taken.



Taking and Uploading Pictures with Master and Remote Cameras



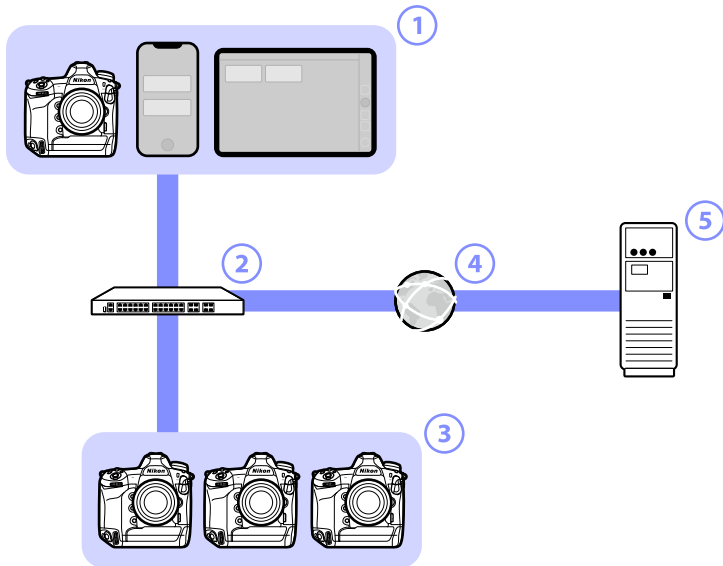
Remotely Taking and Selecting Pictures for Upload with an iPhone



Remotely Taking and Selecting Pictures for Upload with an iPad

The NX Field System



To use the NX Field System, you will need a master camera (or an iPhone or iPad), remote cameras, and an FTP server, all on the same network. All cameras for use with the NX Field System must be configured as described in this guide.



- 1 Master camera or iPhone/iPad
- 2 Hub (L3 switch)
- 3 Remote cameras
- 4 WAN
- 5 FTP server

Setting the Camera Clocks

We recommend that you set the clocks on all cameras as accurately as possible when using the NX Field System.

- Remote cameras automatically synchronize their clocks with iPhones or iPads connected via the NX Field app when the app's clock synchronization feature (accessible via /  > **[Option]**) is enabled.
 - With a master camera, the clocks must be synchronized manually, as the connection is not made via the NX Field app.
-

About This Guide

This is a connection guide for using cameras, iPhones, and iPads with the NX Field System. It describes how different models of camera can be connected to FTP servers or configured for use with the NX Field System.

For more information on using the NX Field System, see the *NX Field System User's Manual*.

https://nps.nikonimaging.com/nx_field/manual.htm

Supported Cameras

This guide is for users of Z 9, D6, and D5 cameras. Before it can be used with the NX Field System, your camera will need a fee-for-service firmware update from a Nikon-authorized service representative.

Tip: Wireless Connections

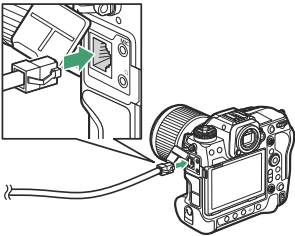
Although the NX Field System can connect to wireless networks via a WT-5 or WT-6 wireless transmitter or the Z 9's built-in wireless LAN, Ethernet networks are a better choice as they ensure reliable remote camera control and FTP upload unaffected by variations in signal strength. The instructions in this guide assume an Ethernet connection.

Readying a Z 9 for Use with the NX Field System

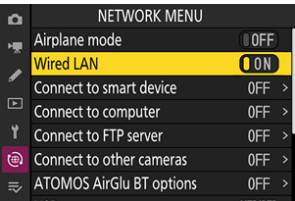
Connecting Z 9 Cameras to FTP Servers

Before adjusting camera settings, confirm that the FTP server is up and running.

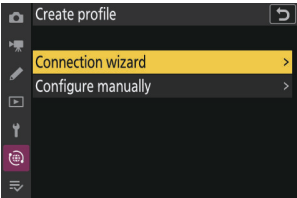
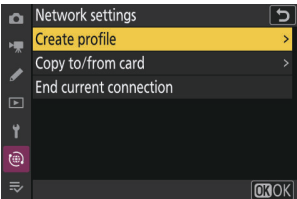
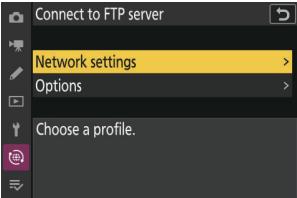
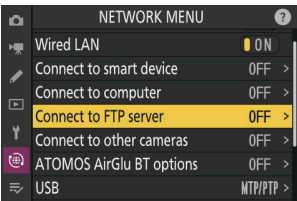
- 1 Connect an Ethernet cable to the camera's Ethernet connector.



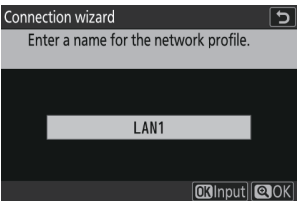
- 2 Select [ON] for [Wired LAN] in the network menu.



3 In the network menu, select [Connect to FTP server] > [Network settings] > [Create profile] > [Connection wizard].

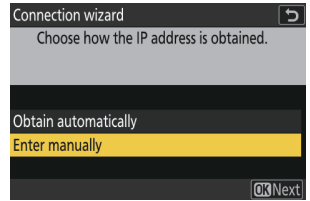


4 Name the new profile.



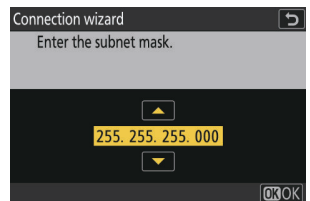
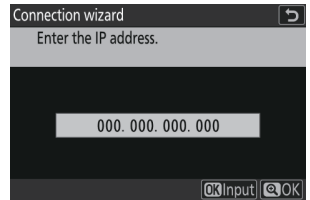
5 When prompted to choose how the IP address is obtained, select [Enter manually].

- If **[Obtain automatically]** is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select **[Enter manually]** and choose a fixed IP address for use with the NX Field System.
- Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.



6 Enter the camera IP address and subnet mask.

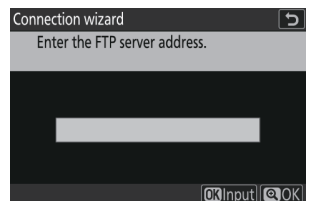
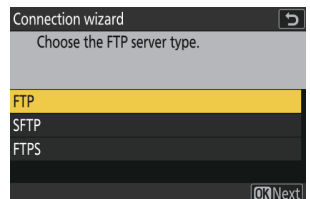
Assign each camera a unique IP address.



7 Choose the server type and enter the FTP server address.

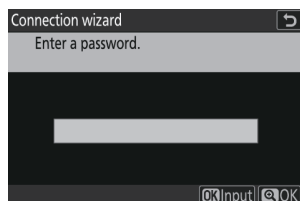
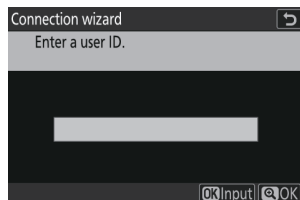
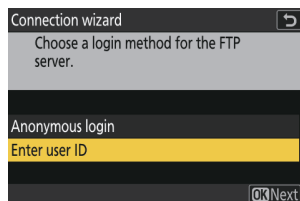
Tip: FTPS

[FTPS] is available from Z 9 "C" firmware version 3.00. Before connecting to an FTPS server, you will need to load a root certificate onto the camera. Root certificates can be managed using **[Connect to FTP server] > [Options] > [Manage root certificate]** in the camera network menu.



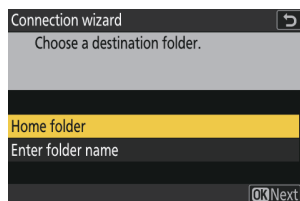
8 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.



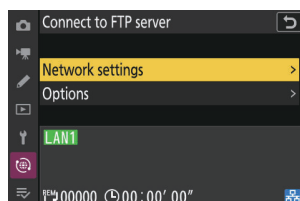
9 Choose a destination folder.

To enter the folder name manually, select [Enter folder name]. The folder must already exist on the server.



10 Confirm that the camera has connected to the FTP server.

- Once a connection is established, the profile name will be displayed in green.
- If the profile name is displayed in red, check FTP or network settings.



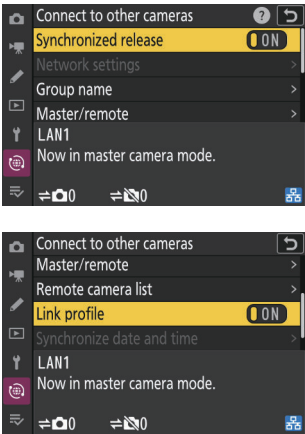
Enabling NX Field Settings on Z 9 Cameras

Once configured for use with an FTP server, Z 9 cameras can be readied for use with the NX Field System.

Readying the Z 9 for Connection to the NX Field System

Select [**Connect to other cameras**] in the network menu and choose [**ON**] for both [**Synchronized release**] and [**Link profile**].

This enables the FTP server profile you created on the camera ([📖 9](#)), allowing the camera to connect to the NX Field System.

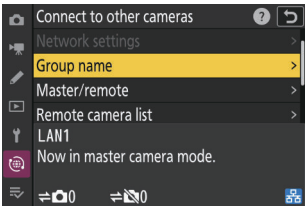


✓ “Link Profile”

[**Link profile**] is available only with cameras with firmware that supports the NX Field System.

Choosing a Group Name

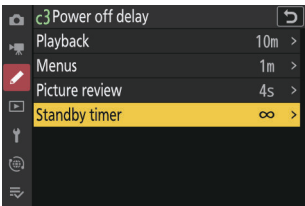
Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. To enter the group name, select **[Connect to other cameras]** > **[Group name]** in the network menu.



- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for **[Group name]** on the iOS device ([book 47](#), [book 53](#)).

Configuring the Standby Timer

Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c3 **[Power off delay]** > **[Standby timer]** to set standby timers as follows.



- **Master camera:** Select a delay of at least **[5 min]**.
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- **Remote cameras:** Choose **[No limit]**.

The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.

✓ Remote Camera Standby Timers

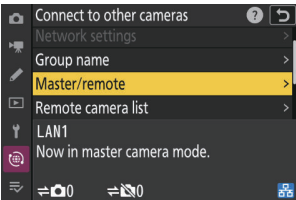
Be sure that the monitors or viewfinders on the remote cameras show the shooting display. If they are used for playback or menu navigation while the cameras are not connected to the NX Field System network, the displays will turn off on the expiration of the timers for Custom Setting c3 **[Power off delay]** > **[Playback]** or **[Menus]**, even if **[No limit]** is selected for **[Standby timer]**, preventing the receipt of further commands from a master camera, iPhone, or iPad.

Configuring Z 9 Cameras for the Master and Remote Roles

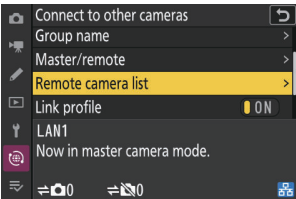
To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

- 1 Select [Master camera] for [Connect to other cameras] > [Master/remote] in the camera network menu.

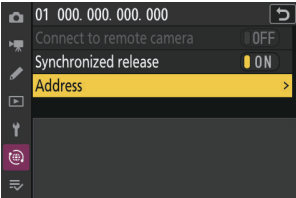
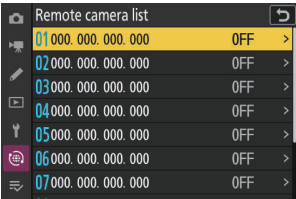


- 2 Select [Remote camera list].

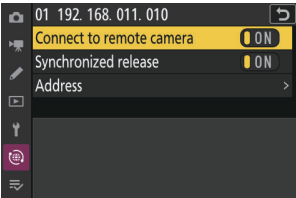


3 Select the desired slot and enter the IP address currently assigned to a remote camera.

Note that you will need to have first assigned [Remote camera] to the camera in question using [Master/remote].



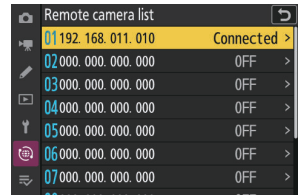
4 Select [ON] for [Connect to remote camera].



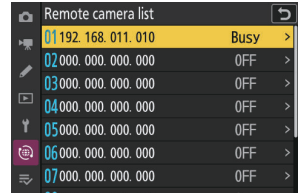
5 Check the status of the cameras in the remote camera list.

Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

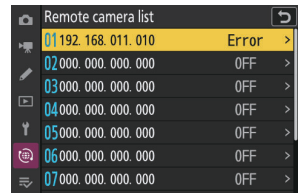
- **Connected / shooting time:** Normal connection. If the remote camera shutter has been released, the status display will instead show the time the most recent picture was taken.



- **Busy:** The camera is being controlled from another master camera or the NX Field app. For information on taking control from another master camera, see "Transferring Control to Other Master Cameras (Z 9 Only)" ([book 61](#)).

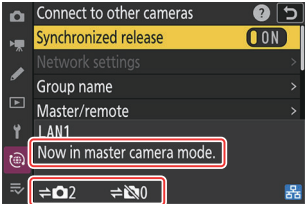


- **Error:** One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled ([book 13](#)).
 - The remote camera is not in the same group as the master camera.
 - No remote camera has been assigned to the slot ("C" firmware version 2.11 or earlier).
 - The IP address is incorrect.
- **OFF:** Either
 - no remote camera has been assigned to the slot ("C" firmware version 3.00 or later), or
 - **[OFF]** is selected for **[Connect to remote camera]** on the camera in question.



Tip: The Master Camera “Connect to Other Cameras” Status Display

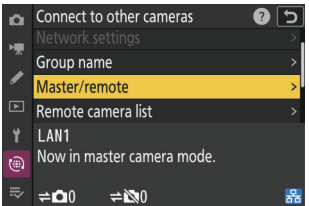
Cameras that are currently configured to function in the master camera role show “Now in master camera mode” in the status display for [Connect to other cameras] in the network menu. The display also shows the number of remote cameras currently connected or not connected.



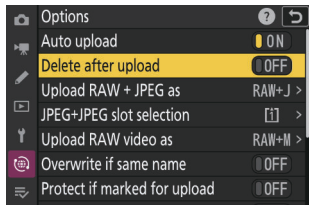
The process of configuring a Z 9 camera for use in the master camera role with the NX Field System is now complete.

Configuring Cameras for Use in the Remote Role

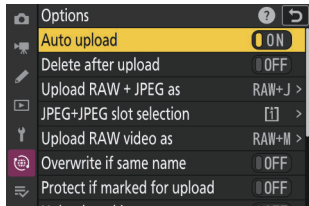
Select **[Remote camera]** for **[Connect to other cameras]** > **[Master/remote]** in the camera network menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.



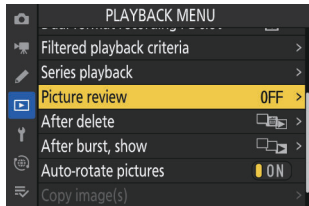
- Select **[OFF]** for **[Connect to FTP server]** > **[Options]** > **[Delete after upload]** in the network menu: Selecting **[ON]** may interfere with playback in the NX Field app.





- Select **[ON]** for **[Connect to FTP server]** > **[Options]** > **[Auto upload]** in the network menu: Enable auto upload to automatically upload pictures to the FTP server as they are taken. We recommend selecting **[ON]** to get the most from the NX Field System.
 - When faced with bandwidth limitations or similar issues, you can select **[OFF]** and manually upload pictures during pauses in shooting.

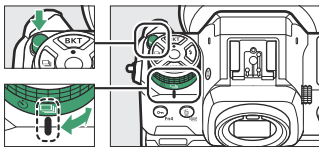


- Select **[Off]** for **[Picture review]** in the playback menu: If an option other than **[Off]** is selected, pictures will be displayed in the viewfinder or monitor after shooting, delaying the resumption of live view.



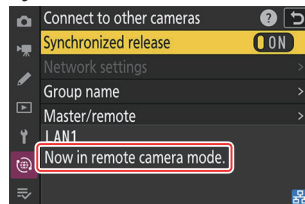
✓ Configuring Remote Cameras

- Rotate the remote camera photo/video selectors to . No photos can be taken when  is selected.
- We recommend that you rotate the remote camera release mode dials to “quick release-mode selection”. This allows the frame advance rate to be selected using the NX Field app.



Tip: The Remote Camera “Connect to Other Cameras” Status Display

Cameras that are currently configured to function in the remote camera role show “Now in remote camera mode” in the status display for **[Connect to other cameras]** in the network menu.



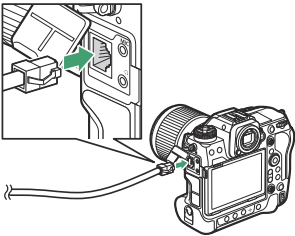
The process of configuring Z 9 cameras for use in the remote camera role with the NX Field System is now complete.

Readying a D6 for Use with the NX Field System

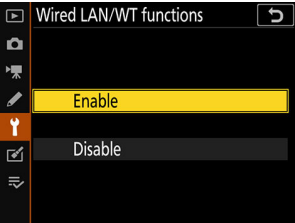
Connecting D6 Cameras to FTP Servers

Before adjusting camera settings, confirm that the FTP server is up and running.

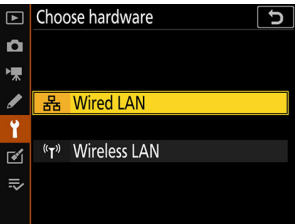
- 1 Connect an Ethernet cable to the camera's Ethernet connector.



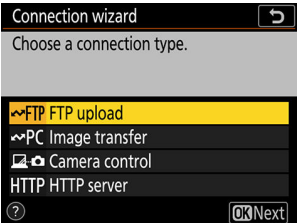
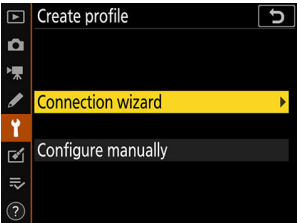
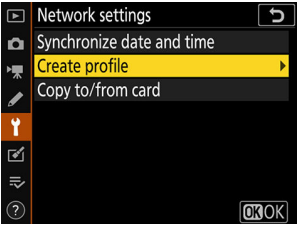
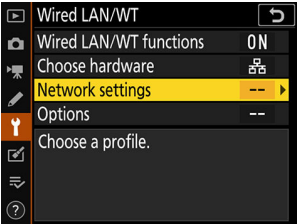
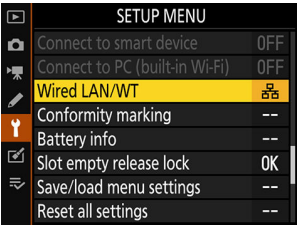
- 2 Select [Enable] for [Wired LAN/WT] > [Wired LAN/WT functions] in the setup menu.



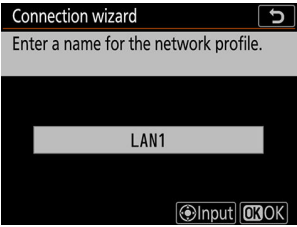
- 3 Select [Wired LAN] for [Wired LAN/WT] > [Choose hardware] in the setup menu.



4 In the setup menu, select [Wired LAN/WT] > [Network settings] > [Create profile] > [Connection wizard] > [FTP upload].

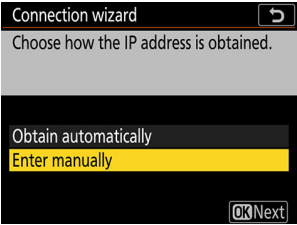


5 Name the new profile.



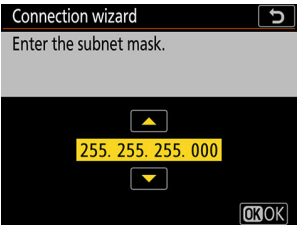
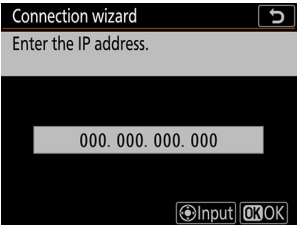
6 When prompted to choose how the IP address is obtained, select [Enter manually].

- If [**Obtain automatically**] is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select [**Enter manually**] and choose a fixed IP address for use with the NX Field System.
- Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

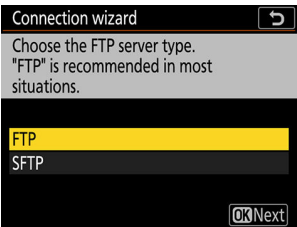


7 Enter the camera IP address and subnet mask.

Assign each camera a unique IP address.

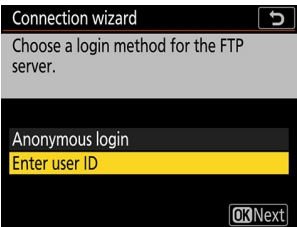


8 Choose the server type and enter the FTP server address.



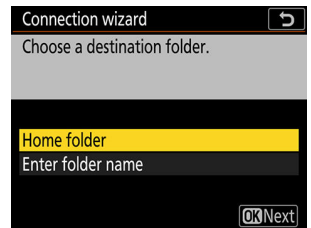
9 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.



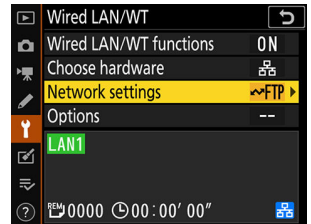
10 Choose a destination folder.

To enter the folder name manually, select **[Enter folder name]**.
The folder must already exist on the server.



11 Select **[Connect and exit wizard]** when prompted.

- Once a connection is established, the profile name will be displayed in green.
- If the profile name is displayed in red, check FTP or network settings.



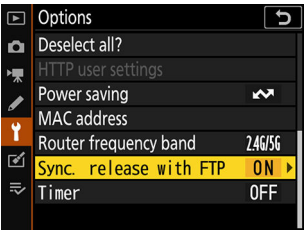
Enabling NX Field Settings on D6 Cameras

Once configured for use with an FTP server, D6 cameras can be readied for use with the NX Field System.

Readying the D6 for Connection to the NX Field System

Select **[On]** for **[Wireless LAN/WT]** > **[Options]** > **[Sync. release with FTP]** in the setup menu.

This enables the FTP server profile you created on the camera ([21](#)), allowing the camera to connect to the NX Field System.

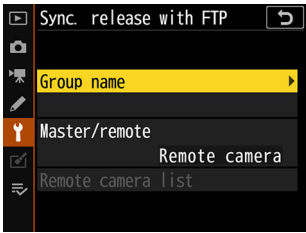


✓ “Sync. Release with FTP”

[Sync. release with FTP] is available only with cameras that have firmware that supports the NX Field System.

Choosing a Group Name

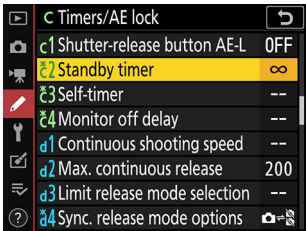
Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. In the setup menu, select **[Wireless LAN/WT] > [Options] > [Sync. release with FTP] > [Group name]** and choose a group name.



- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for **[Group name]** on the iOS device ([book 47](#), [book 53](#)).

Configuring the Standby Timer

Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c2 **[Standby timer]** to set standby timers as follows.



- **Master camera:** Select a delay of at least **[5 min]**.
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- **Remote cameras:** Choose **[No limit]**.

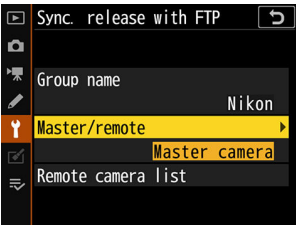
The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.

Configuring D6 Cameras for the Master and Remote Roles

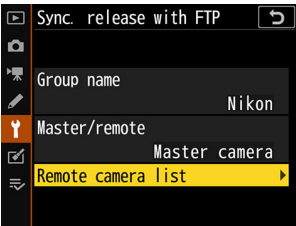
To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

- 1 Select [Master camera] for [Wireless LAN/WT] > [Options] > [Sync. release with FTP] > [Master/remote] in the setup menu.

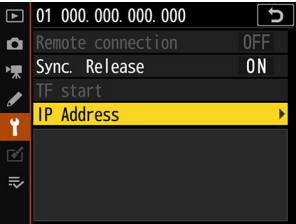
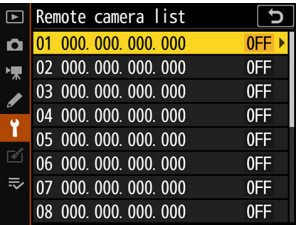


- 2 Select [Remote camera list].

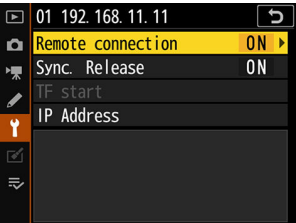


3 Select the desired slot and enter the IP address currently assigned to a remote camera.

Note that you will need to have first assigned [Remote camera] to the camera in question using [Master/remote].



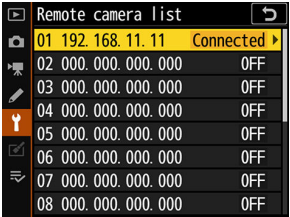
4 Select [Enable] for [Remote connection].



5 Check the status of the cameras in the remote camera list.

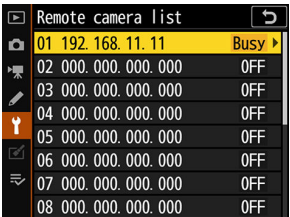
Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

- **Connected / shooting time:** Normal connection. If the remote camera shutter has been released, the status display will instead show the time the most recent picture was taken.



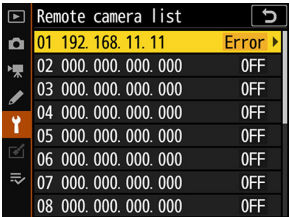
Remote camera list		
01	192.168.11.11	Connected
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

- **Busy:** The camera is being controlled from another master camera or the NX Field app.



Remote camera list		
01	192.168.11.11	Busy
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

- **Error:** One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled ([book 26](#)).
 - The remote camera is not in the same group as the master camera.
 - The IP address is incorrect.



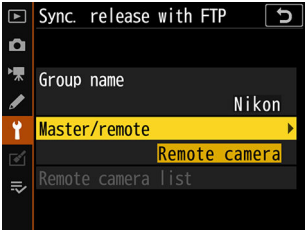
Remote camera list		
01	192.168.11.11	Error
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

- **OFF:** Either
 - no remote camera has been assigned to the slot, or
 - **[Disable]** is selected for **[Remote connection]** on the camera in question.

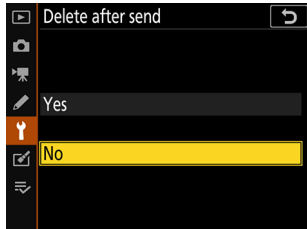
The process of configuring a D6 camera for use in the master camera role with the NX Field System is now complete.

Configuring Cameras for Use in the Remote Role

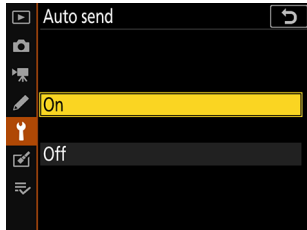
Select **[Remote camera]** for **[Wireless LAN/WT]** > **[Options]** > **[Sync. release with FTP]** > **[Master/remote]** in the setup menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.



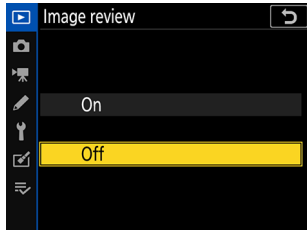
- **Select [No] for [Wired LAN/WT] > [Options] > [Delete after send] in the setup menu:** Selecting **[Yes]** may interfere with playback in the NX Field app.





- **Select [On] for [Wired LAN/WT] > [Options] > [Auto send] in the setup menu:** Enable auto upload to automatically upload pictures to the FTP server as they are taken. We recommend selecting **[On]** to get the most from the NX Field System.
 - When faced with bandwidth limitations or similar issues, you can select **[Off]** and manually upload pictures during pauses in shooting.

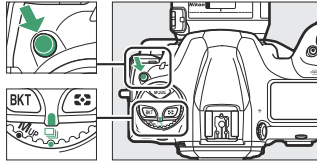


- **Select [Off] for [Image review] in the playback menu:** If an option other than **[Off]** is selected, pictures will be displayed in the monitor after shooting, delaying the resumption of live view.



✓ Configuring Remote Cameras

- Rotate the remote camera live view selectors to . If  is selected, a confirmation dialog will be displayed every time live view is enabled in the NX Field app.
- We recommend that you rotate the remote camera release mode dials to “quick release-mode selection”. This allows the frame advance rate to be selected using the NX Field app.



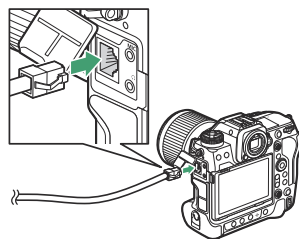
The process of configuring D6 cameras for use in the remote camera role with the NX Field System is now complete.

Readying a D5 for Use with the NX Field System

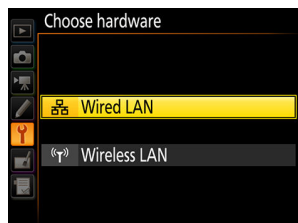
Connecting D5 Cameras to FTP Servers

Before adjusting camera settings, confirm that the FTP server is up and running.

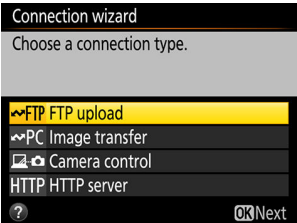
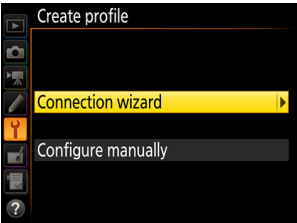
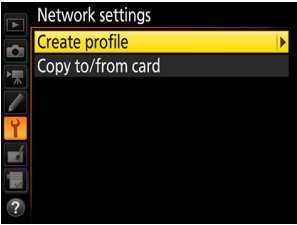
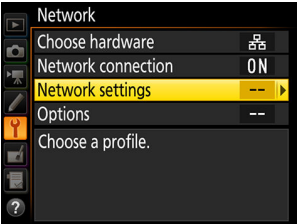
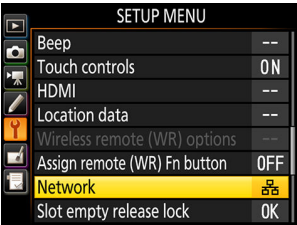
- 1 **Connect an Ethernet cable to the camera's Ethernet connector.**



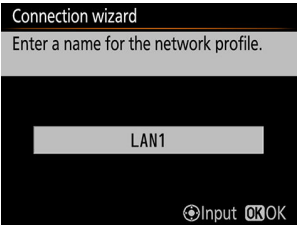
- 2 **Select [Wired LAN] for [Network] > [Choose hardware] in the setup menu.**



3 In the setup menu, select [Network] > [Network settings] > [Create profile] > [Connection wizard] > [FTP upload].

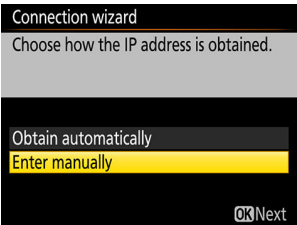


4 Name the new profile.



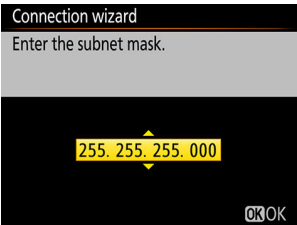
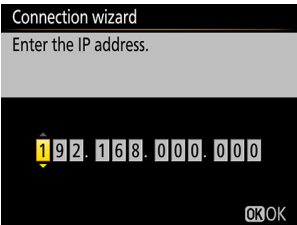
5 When prompted to choose how the IP address is obtained, select [Enter manually].

- If [**Obtain automatically**] is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select [**Enter manually**] and choose a fixed IP address for use with the NX Field System.
- Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

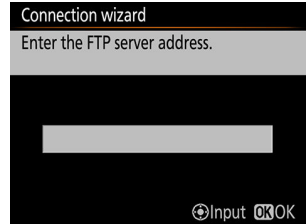
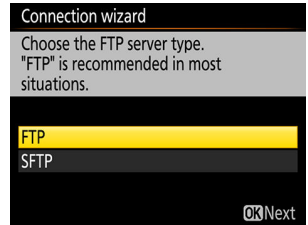


6 Enter the camera IP address and subnet mask.

Assign each camera a unique IP address.

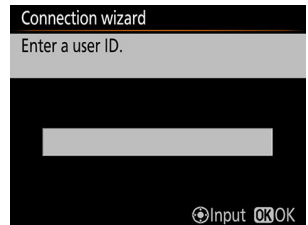
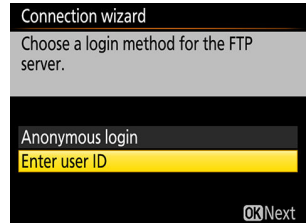


7 Choose the server type and enter the FTP server address.



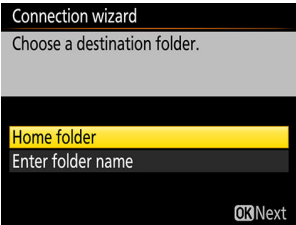
8 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.



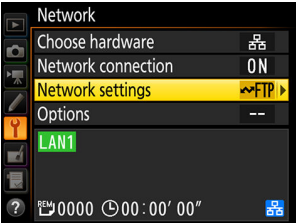
9 Choose a destination folder.

To enter the folder name manually, select **[Enter folder name]**.
The folder must already exist on the server.



10 Select [Connect and exit wizard] when prompted.

- Once a connection is established, the profile name will be displayed in green.
- If the profile name is displayed in red, check FTP or network settings.



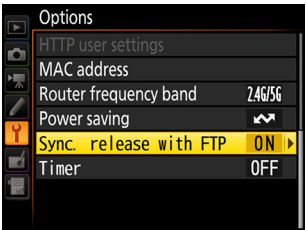
Enabling NX Field Settings on D5 Cameras

Once configured for use with an FTP server, D5 cameras can be readied for use with the NX Field System.

Readying the D5 for Connection to the NX Field System

Select **[On]** for **[Network] > [Options] > [Sync. release with FTP]** in the setup menu.

This enables the FTP server profile you created on the camera ([33](#)), allowing the camera to connect to the NX Field System.

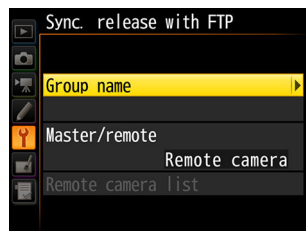


✓ “Sync. Release with FTP”

[Sync. release with FTP] is available only with cameras that have firmware that supports the NX Field System.

Choosing a Group Name

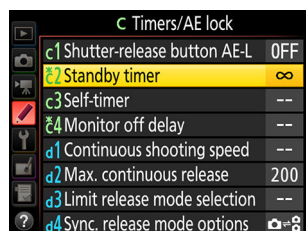
Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. In the setup menu, select **[Network] > [Options] > [Sync. release with FTP] > [Group name]** and choose a group name.



- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for **[Group name]** on the iOS device ([book 47](#), [book 53](#)).

Configuring the Standby Timer

Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c2 **[Standby timer]** to set standby timers as follows.



- **Master camera:** Select a delay of at least **[5 min]**.
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- **Remote cameras:** Choose **[No limit]**.

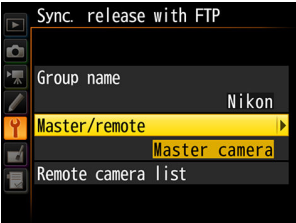
The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.

Configuring D5 Cameras for the Master and Remote Roles

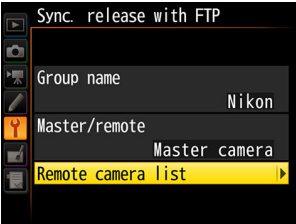
To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

- 1 Select [Master camera] for [Network] > [Options] > [Sync. release with FTP] > [Master/remote] in the setup menu.

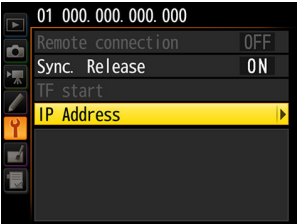
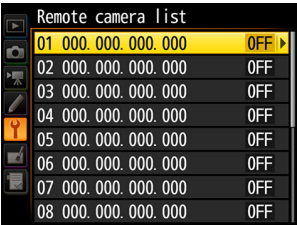


- 2 Select [Remote camera list].

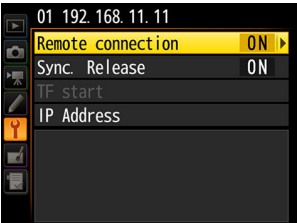


3 Select the desired slot and enter the IP address currently assigned to a remote camera.

Note that you will need to have first assigned [Remote camera] to the camera in question using [Master/remote].



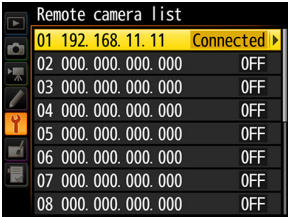
4 Select [Enable] for [Remote connection].



5 Check the status of the cameras in the remote camera list.

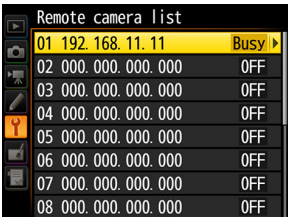
Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

- **Connected / shooting time:** Normal connection. If the remote camera shutter has been released, the status display will instead show the time the most recent picture was taken.



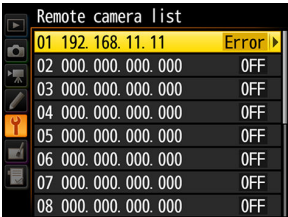
Remote camera list		
01	192.168.11.11	Connected ▾
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

- **Busy:** The camera is being controlled from another master camera or the NX Field app.



Remote camera list		
01	192.168.11.11	Busy ▾
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

- **Error:** One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled ([book 38](#)).
 - The remote camera is not in the same group as the master camera.
 - The IP address is incorrect.
- **OFF:** Either
 - no remote camera has been assigned to the slot, or
 - **[Disable]** is selected for **[Remote connection]** on the camera in question.

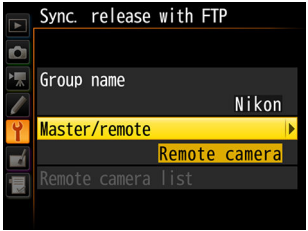


Remote camera list		
01	192.168.11.11	Error ▾
02	000.000.000.000	OFF
03	000.000.000.000	OFF
04	000.000.000.000	OFF
05	000.000.000.000	OFF
06	000.000.000.000	OFF
07	000.000.000.000	OFF
08	000.000.000.000	OFF

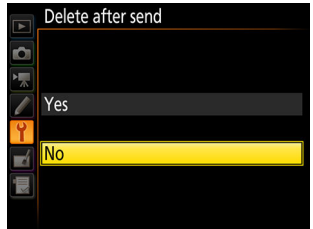
The process of configuring a D5 camera for use in the master camera role with the NX Field System is now complete.

Configuring Cameras for Use in the Remote Role

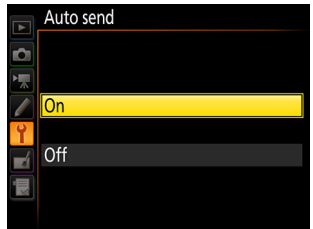
Select **[Remote camera]** for **[Network] > [Options] > [Sync. release with FTP] > [Master/remote]** in the setup menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.



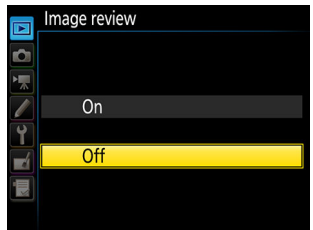
- **Select [No] for [Network] > [Options] > [Delete after send] in the setup menu:** Selecting **[Yes]** may interfere with playback in the NX Field app.





- **Select [On] for [Network] > [Options] > [Auto send] in the setup menu:** Enable auto upload to automatically upload pictures to the FTP server as they are taken. We recommend selecting **[On]** to get the most from the NX Field System.
 - When faced with bandwidth limitations or similar issues, you can select **[Off]** and manually upload pictures during pauses in shooting.

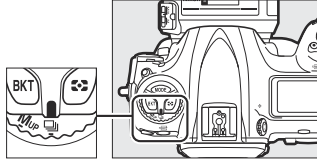


- **Select [Off] for [Image review] in the playback menu:** If an option other than **[Off]** is selected, pictures will be displayed in the monitor after shooting, delaying the resumption of live view.



✓ Configuring Remote Cameras

- Rotate the remote camera live view selectors to . If  is selected, a confirmation dialog will be displayed every time live view is enabled in the NX Field app.
- We recommend that you rotate the remote camera release mode dials to “quick release-mode selection”. This allows the frame advance rate to be selected using the NX Field app.



The process of configuring D5 cameras for use in the remote camera role with the NX Field System is now complete.

Readying an iPhone/iPad for Use with the NX Field System

Connection Settings: iPhone

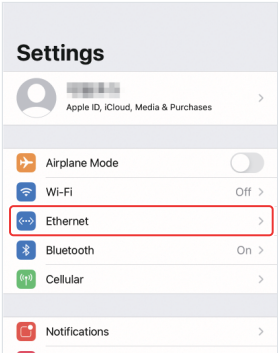
Ready an iPhone to which the NX Field app has been installed.

Ethernet Settings

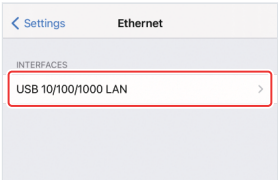
We recommend that NX Field System connections be made via Ethernet, as this ensures reliable remote camera control unaffected by variations in signal strength. Depending on the model of iPhone in question, Ethernet cables can be connected via a third-party Lightning adapter.

1 Launch the iOS [Settings] app.

2 Select [Ethernet].



3 Choose the desired interface.



4 Tap [Configure IP] and select [Manual].

The screenshot shows the 'Ethernet' settings page for a USB 10/100/1000 LAN. Under the 'IPv4 ADDRESS' section, the 'Configure IP' option is highlighted with a red box. To its right is a dropdown menu currently set to 'Automatic' with a chevron icon. Below this are fields for 'IP Address', 'Subnet Mask', and 'Router', all of which are currently empty.

The screenshot shows the 'Configure IPv4' dialog. At the top, there are 'Back' and 'Save' buttons. Below them are three radio button options: 'Automatic', 'Manual', and 'BootP'. The 'Manual' option is selected, indicated by a blue checkmark, and is highlighted with a red box. Below these options is a section labeled 'MANUAL IP' containing fields for 'IP Address' (currently showing '0.0.0.0') and 'Subnet Mask'.

5 Enter an IP address and subnet mask and tap [Save].

The screenshot shows the 'Configure IPv4' dialog with the 'Manual' option selected. The 'Save' button in the top right corner is highlighted with a red box. The 'MANUAL IP' section now contains populated values: 'IP Address' is '192.168.11.21', 'Subnet Mask' is '255.255.255.0', and 'Router' is '192.168.11.1'.

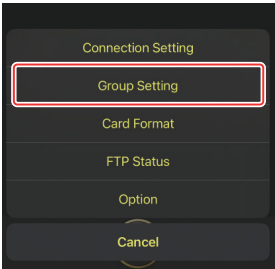
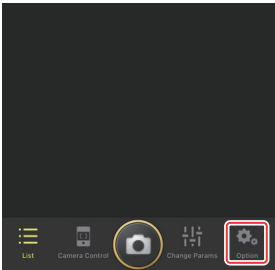
✓ **Entering an IP Address and Subnet Mask**

When you first open the IPv4 configuration dialog, it will list dummy values for the IP address and subnet mask in gray. The **[Save]** button will only be available once new values have been entered manually. The new values will be lost if you return to the previous dialog without saving changes.

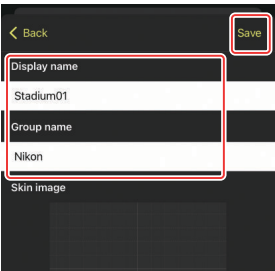
Choosing a Group Name

Remote cameras assigned the same group names in the NX Field app can be added to the remote camera list.

1 Tap  (option) and select [Group Setting].



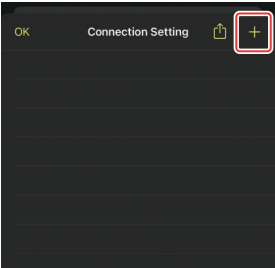
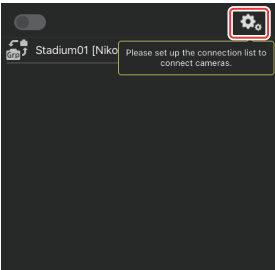
2 In the [Group name] field, enter a group name matching that chosen on the remote cameras ([📖 14 \(Z 9\)](#), [📖 27 \(D6\)](#), [📖 39 \(D5\)](#)) and save.



Adding Cameras to the Remote Camera List

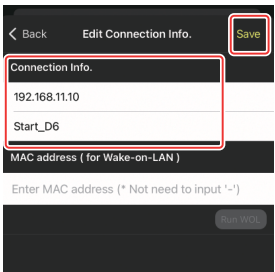
Add the cameras in the group to the remote camera list so that the NX Field app can control them individually by name.

1 Tap  (connection options) and then .



2 After entering the IP address ([📖 9](#) (Z 9), [📖 21](#) (D6), [📖 33](#) (D5)) assigned to a remote camera, name the camera and then save.

- Names can be assigned as desired. You may find it helpful when taking pictures to name cameras by their locations or other easily-remembered attributes.
- Repeat Steps 1 through 2 for each camera you wish to add.



Connection Settings: iPad

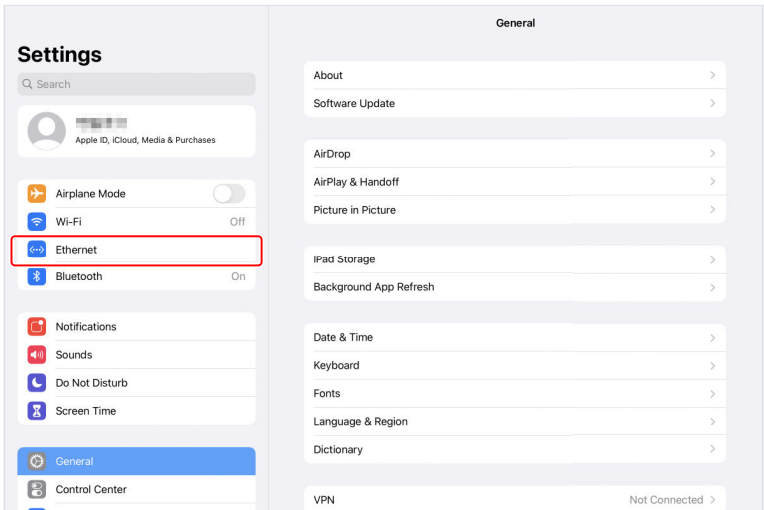
Ready an iPad to which the NX Field app has been installed.

Ethernet Settings

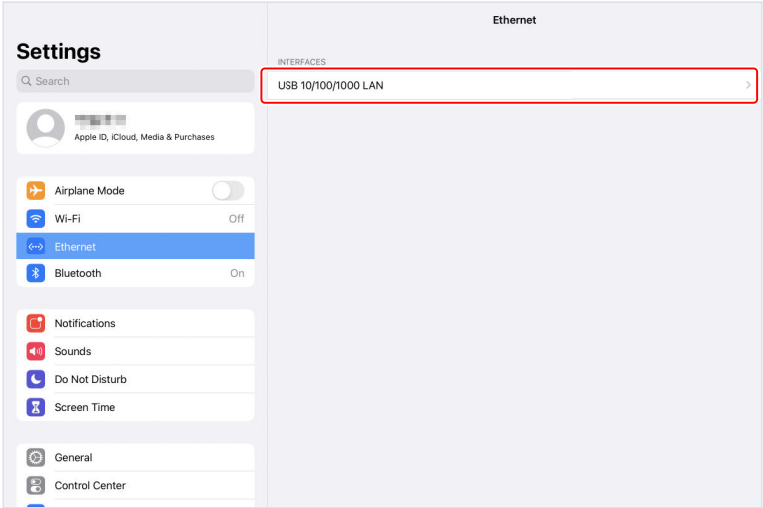
We recommend that NX Field System connections be made via Ethernet, as this ensures reliable remote camera control unaffected by variations in signal strength. Depending on the model of iPad in question, Ethernet cables can be connected via a third-party USB Type C or Lightning adapter.

1 Launch the iOS [Settings] app.

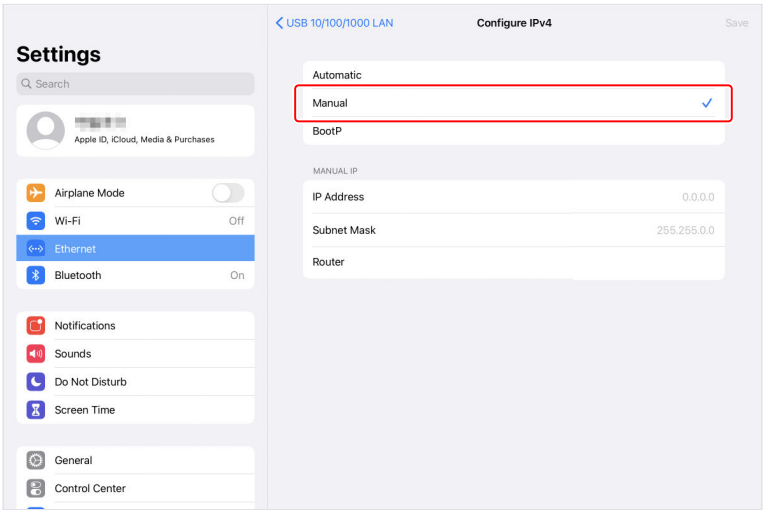
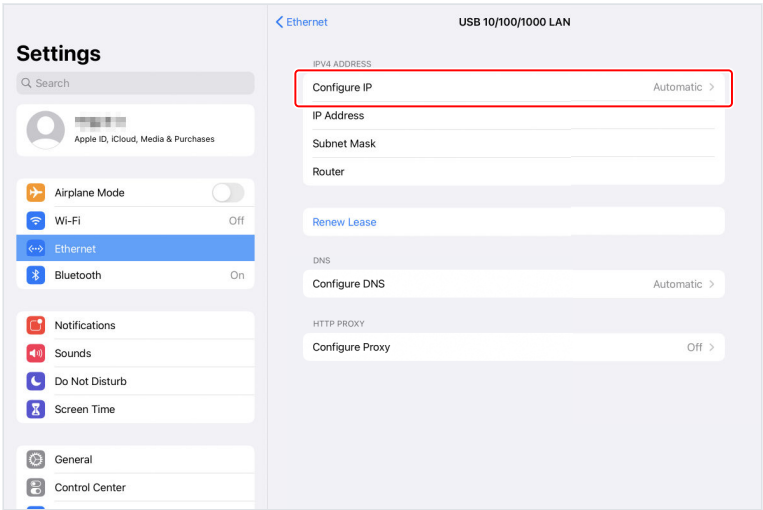
2 Select [Ethernet].



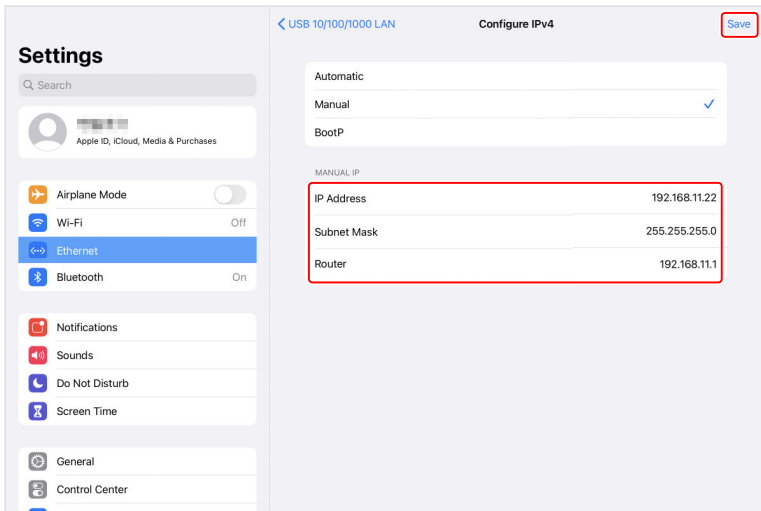
3 Choose the desired interface.



4 Tap [Configure IP] and select [Manual].



5 Enter an IP address and subnet mask and tap [Save].



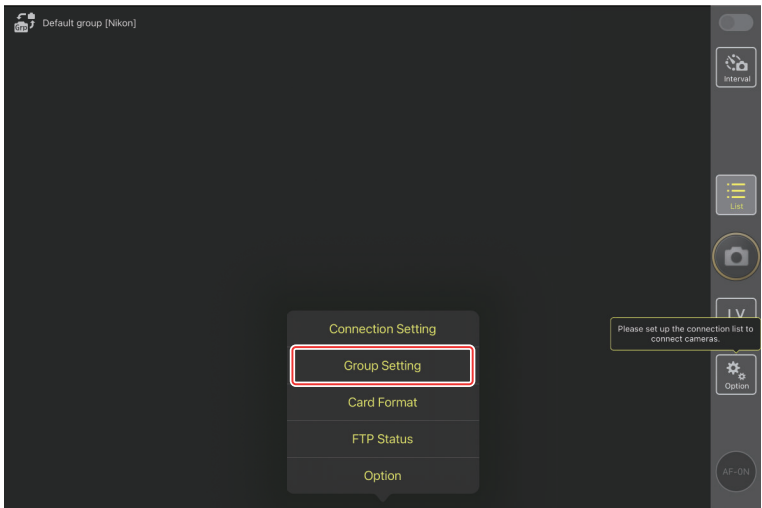
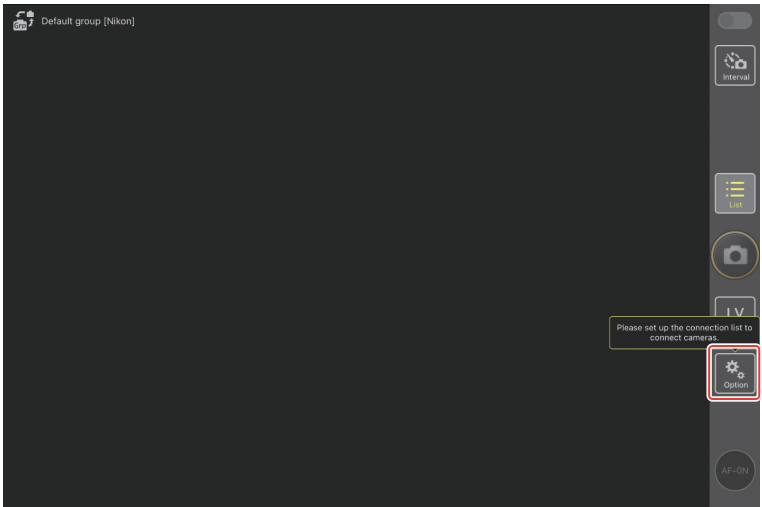
✓ Entering an IP Address and Subnet Mask

When you first open the IPv4 configuration dialog, it will list dummy values for the IP address and subnet mask in gray. The **[Save]** button will only be available once new values have been entered manually. The new values will be lost if you return to the previous dialog without saving changes.

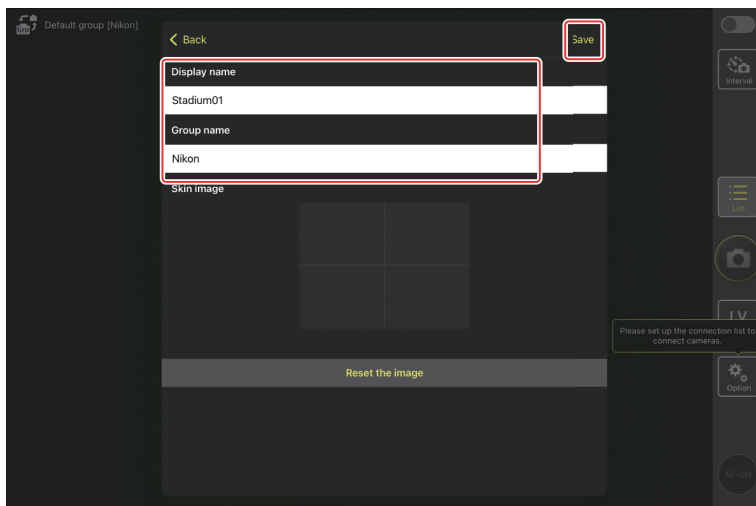
Choosing a Group Name

Remote cameras assigned the same group names in the NX Field app can be added to the remote camera list.

1 Tap  (option) and select [Group Setting].



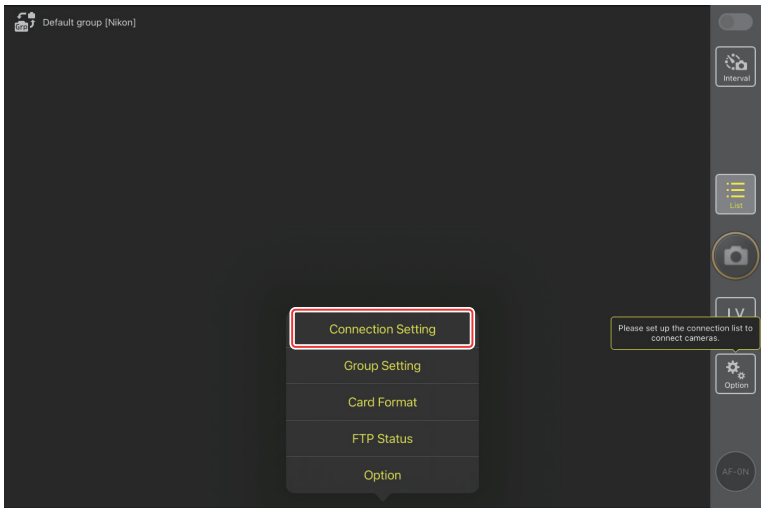
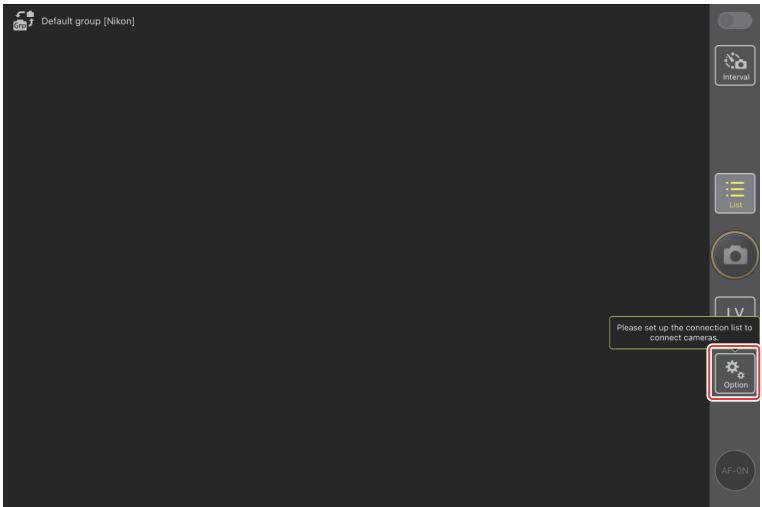
- 2 In the [Group name] field, enter a group name matching that chosen on the remote cameras ([14](#) (Z 9), [27](#) (D6), [39](#) (D5)) and save.



Adding Cameras to the Remote Camera List

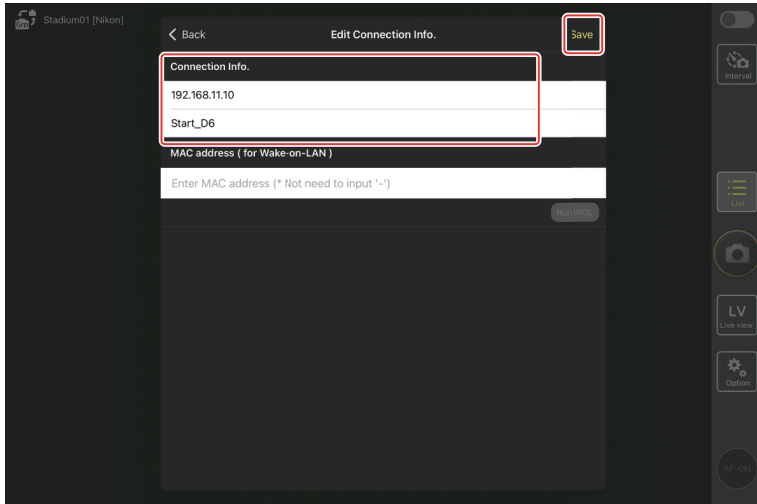
Add the cameras in the group to the remote camera list so that the NX Field app can control them individually by name.

- 1 Under  (option), select [Connection Setting] and tap .



2 After entering the IP address ([📖 9 \(Z 9\)](#), [📖 21 \(D6\)](#), [📖 33 \(D5\)](#)) assigned to a remote camera, name the camera and then save.

- Names can be assigned as desired. You may find it helpful when taking pictures to name cameras by their locations or other easily-remembered attributes.
- Repeat Steps 1 through 2 for each camera you wish to add.



NX Field Tips and Tricks

Using a Button to Switch Between Remote, Master, or Synchronized Release

When remote cameras are controlled from a master camera, you can temporarily switch between remote, master, or synchronized release by pressing and holding a custom control.

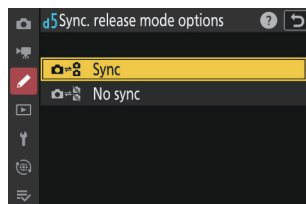
- You can create configurations in which the remote and master cameras are usually synced, but in which only pictures taken while the custom control is pressed are shot using just the master camera, or just the remote cameras.
- Or you can create configurations in which pictures are normally taken only with the master camera, but in which the remote cameras take pictures in sync with, or instead of, the master while the custom control is pressed.

The Z 9

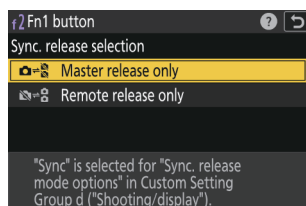
Starting with Master and Remote Cameras Synced

In this configuration, the remote and master cameras are normally synced, but holding a custom control allows pictures to be taken on only the master or only the remote cameras.

- Select **[Sync]** for Custom Setting d5 **[Sync. release mode options]** on the master camera.



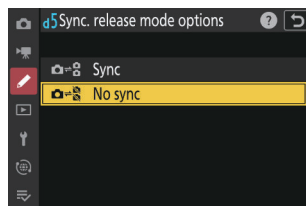
- Assign **[Sync. release selection]** to a control using Custom Setting f2 **[Custom controls (shooting)]**.
 - To configure the control so that pictures shot while it is pressed will be taken with the master camera only: Select **[Master release only]** for **[Sync. Release selection]**.
 - To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only: Select **[Remote release only]** for **[Sync. Release selection]**.



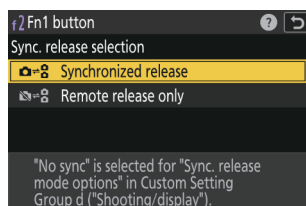
Starting with Master and Remote Cameras Not Synced

In this configuration, the remote cameras will take pictures in sync with, or instead of, the master camera while a custom control is pressed.

- Select **[No sync]** for Custom Setting d5 **[Sync. release mode options]** on the master camera.



- Assign **[Sync. release selection]** to a control using Custom Setting f2 **[Custom controls (shooting)]**.
 - **To configure the control so that pictures shot while it is pressed will be taken with both the master and remote cameras:** Select **[Synchronized release]** for **[Sync. Release selection]**.
 - **To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only:** Select **[Remote release only]** for **[Sync. Release selection]**.

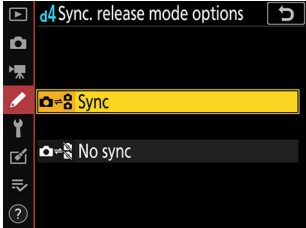


The D6 and D5

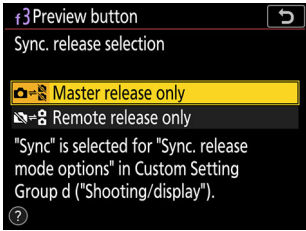
Starting with Master and Remote Cameras Synced

In this configuration, the remote and master cameras are normally synced, but holding a custom control allows pictures to be taken on only the master or only the remote cameras.

- Select **[Sync]** for Custom Setting d4 **[Sync. release mode options]** on the master camera.



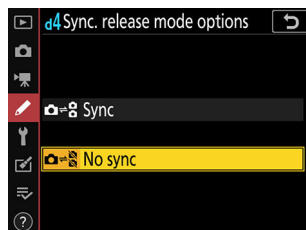
- Assign **[Sync. release selection]** to a control using Custom Setting f3 **[Custom controls]** (or on the D5, Custom Setting f1 **[Custom control assignment]**).
 - **To configure the control so that pictures shot while it is pressed will be taken with the master camera only:** Select **[Master release only]** for **[Sync. Release selection]**.
 - **To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only:** Select **[Remote release only]** for **[Sync. Release selection]**.



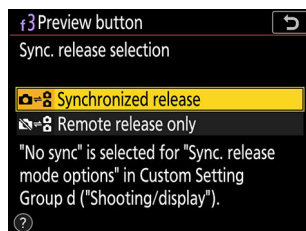
Starting with Master and Remote Cameras Not Synced

In this configuration, the remote cameras will take pictures in sync with, or instead of, the master camera while a custom control is pressed.

- Select **[No sync]** for Custom Setting d4 **[Sync. release mode options]** on the master camera.



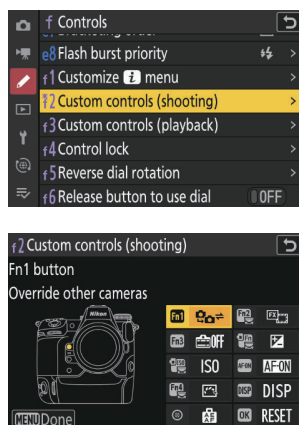
- Assign **[Sync. release selection]** to a control using Custom Setting f3 **[Custom controls]** (or on the D5, Custom Setting f1 **[Custom control assignment]**).
 - **To configure the control so that pictures shot while it is pressed will be taken with both the master and remote cameras:** Select **[Synchronized release]** for **[Sync. Release selection]**.
 - **To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only:** Select **[Remote release only]** for **[Sync. Release selection]**.



Transferring Control to Other Master Cameras (Z 9 Only)

Normally, if a group contains multiple cameras configured for the master role, control of the remote cameras will be assigned to the first master camera to connect, and control cannot be reassigned until the connection to the first camera ends. From "C" firmware version 3.00, a Z 9 camera can take control from an existing master at the press of a button as described below.

- 1 Assign [Override other cameras] to a control using Custom Setting f2 [Custom controls (shooting)].**



- 2 With the camera connected to others within its group in the NX Field System, press the control to which [Override other cameras] has been assigned.**

The camera will take control from the existing master.

Troubleshooting Remote Camera Connections

Incorrect IP Addresses

Check that the correct remote camera IP addresses ([book 9](#), [book 21](#), and [book 33](#) for the Z 9, D6, and D5, respectively) have been entered on the master camera or in the NX Field app.

- If you are using a master camera, check that the correct IP addresses have been entered in the master camera's remote camera list ([book 15](#), [book 28](#), and [book 40](#) for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check that the correct IP addresses have been entered in the app's remote camera list ([book 48](#) and [book 55](#) for iPhones and iPads, respectively).

Duplicate IP Addresses

Check that none of the remote cameras share an IP address ([book 9](#), [book 21](#), and [book 33](#) for the Z 9, D6, and D5, respectively) with the master camera, iPhone, or iPad.

- If you are using a master camera, check the master camera's IP address ([book 9](#), [book 21](#), and [book 33](#) for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check the IP address for the iPhone ([book 45](#)) or iPad ([book 49](#)).

Group Name Mis-match

Check that the group name selected on the remote cameras ([book 14](#), [book 27](#), and [book 39](#) for the Z 9, D6, and D5, respectively) matches that selected on the master camera or in the NX Field app.

- If you are using a master camera, check the group name selected on the master camera ([book 14](#), [book 27](#), and [book 39](#) for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check the group name selected in the app ([book 47](#) and [book 53](#) for iPhones and iPads, respectively).