How to assign an IP address and access your device

User manual

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Get started

To find Axis devices on the network and assign them IP addresses in Windows®, use AXIS IP Utility or AXIS Device Manager. Both applications are free and can be downloaded from *axis.com/support*.

With AXIS IP Utility you can:
- search the network for devices
- change static IP addresses

With AXIS Device Manager you can:
- search the network for devices
- assign IP addresses
- set passwords
- see connection status
- perform operations on multiple devices at once
- manage firmware upgrades
- configure device parameters

For information about other methods, see *Alternative methods, on page 6*.

Browser support

You can use the device with the following browsers:

	Chrome™	Edge™	Firefox®	Safari®
Windows®	✓	✓	*	*
macOS®	✓	✓	*	*
Linux®	✓	✓	*	*
Other operating systems	*	*	*	*

✓: Recommended

*: Supported with limitations

About default IP addresses

Axis devices are designed for use on the network. To access the device's webpage you need an IP address. Most networks have a DHCP server that automatically assigns IP addresses to connected devices.

If no DHCP server is available on the network, the IP address depends on which AXIS OS version is installed on the device:

- **Devices with AXIS OS 12.0 and later:** Obtained from the link-local address range (169.254.0.0/16)
- **Devices with AXIS OS 11.11 and earlier:** 192.168.0.90/24

AXIS IP Utility

Note

The computer running AXIS IP Utility must be on the same network segment (physical subnet) as the Axis device.

Access your device on the network

1. Connect power and network to the Axis device.
2. Start AXIS IP Utility. All available devices on the network show up in the list automatically.
3. To access the device from a browser, double-click the name in the list.

Change the IP address of a device

1. Start AXIS IP Utility. All available devices on the network show up in the list automatically.
2. Right-click the device in the list and select **Assign new IP address to selected device**.
3. Enter an available IP address and click **Assign**.
4. To access the device from a browser, double-click the name in the list.

AXIS Device Manager

Access your device on the network

1. Connect power and network to the Axis device.
2. Start AXIS Device Manager.
3. To connect to a server, go to **Main menu > Servers > New connection**:

– If the server is on the network, select **Remote server** and select a server from the drop-down list or enter the IP address or DNS address in the **Remote server** field.

– If the server is running locally on the computer, select **This computer**.

4. To log in as the current Windows user, click **Log in**.
   If you clear **Log on as current user** you need to enter a username and password in the next step.
5. Add devices:

– AXIS Device Manager automatically searches for Axis devices on the network and adds them to the list of devices.

– To manually add devices, go to **Device manager > Manage devices** and click **Add devices** . Select which devices you want to add from the list, click **Next**, and then click **Finish**.

– To add devices from an IP range, go to **Device manager > Manage devices** and click **Add devices from IP range** .

– To add a device from a specific IP address, go to **Device manager > Manage devices** and click **Add device from address** .

6. To access the device from an external browser, click the address link in the list.

Change the IP addresses of multiple devices

To speed up the process of assigning IP addresses, AXIS Device Manager suggests IP addresses from a specified range.

1. In AXIS Device Manager, go to **Device manager > Manage devices**.
2. Select the devices you want to configure and then click **Assign IP address to selected devices** .
3. If the **Device maintenance** dialog pops up, click **Yes**.
4. Select **Assign the following IP address range**.
5. Enter the IP address range in the **IP range** text field.
6. Click **Next**.
7. To change the IP address, select a device and click **Edit IP**.
8. Click **Finish**.

Change the IP address of a device

1. Select the device you want to configure and then click **Assign IP address to selected devices** .
2. Select **Assign the following IP address**.
3. Enter the IP address, subnet mask, and default router.
4. Click **OK**.

Alternative methods

Assign or discover IP addresses

In **Windows®**

- **UPnP™**
  UPnP automatically detects Axis devices and adds them to **Network** or **My Network Places**.

Note

You need to manually turn on UPnP under **System > Network** in devices with AXIS OS 12.0 and later.

All operating systems

- **DHCP server**
  To find the IP addresses of your Axis devices, check the lease table on your DHCP server. For more information, see the server's user documentation.
- **Hosted video services**
  To connect to a hosted video service, see the service provider's user documentation.

Access the video stream

You can access the video stream and still images from the Axis device in different ways.

- **Still JPEG images in a browser**: enter the path `http://<ip-address>/axis-cgi/jpg/image.cgi`
- **RTSP streaming through most media players (for example VLC)**: enter the path `rtsp://<ip-address>/axis-media/media.amp`
- **ONVIF streaming (for devices with an ONVIF user configured)**: enter the path `rtsp://<ip-address>/onvif-media/media.amp`

To find more ways to access the video stream, see the *VAPIX® documentation*.

Improve your device's security

Secure passwords

Important

Use HTTPS (which is enabled by default) to set your password or other sensitive configurations over the network. HTTPS enables secure and encrypted network connections, thereby protecting sensitive data, such as passwords.

The password is the primary protection for your data and services.

To protect your data we strongly recommend that you:

- Don't expose the password.
- Change the password at a recurring interval, at least once a year.

Create an administrator account

The first time you log in to your device, you must create an administrator account.

Note

Always create a user account with limited permissions for daily use. This reduces exposure of the administrator account.

1. Enter an account.
2. Enter a password. See *Secure passwords, on page 7*.
3. Re-enter the password.
4. Accept the license agreement.
5. Click **Add account**.

Important

The device has no default account. If you lose the password for your administrator account, you must reset the device. For information about how to reset to factory default settings, see the device's user manual.

Further information

- The device's installation guide and user manual are available at *axis.com*.
- To check if there is an updated firmware version for your device, see *axis.com/support*.
- For useful trainings, webinars, tutorials and guides, see *axis.com/academy*.

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