JUNIPER | **Engineering** Simplicity

Quick Start

Juniper Mist Access Points

IN THIS GUIDE

Step 1: Begin

IN THIS SECTION

This guide walks you through the simple steps to get a new Juniper Mist access point (AP) up and running in the Mist cloud. You can onboard a single AP using your mobile phone, or you can onboard one or more APs using your computer.

NOTE: Before you begin, you must set up your organization and sites, and activate your subscriptions. For more information, see Quick Start: Mist.

We show you how to onboard AP using two different methods:

- To onboard a single AP using your mobile phone, see "Onboard One AP Using the Mist AI Mobile App" on page 2.

- To onboard one or more APs using your computer, see "Onboard One or More APs Using a Web Browser" on page 4.

To perform either onboarding process, you will need to locate the claim code label on the rear panel of your AP. To onboard multiple APs, you can use the activation code that is listed in your purchase order (PO).
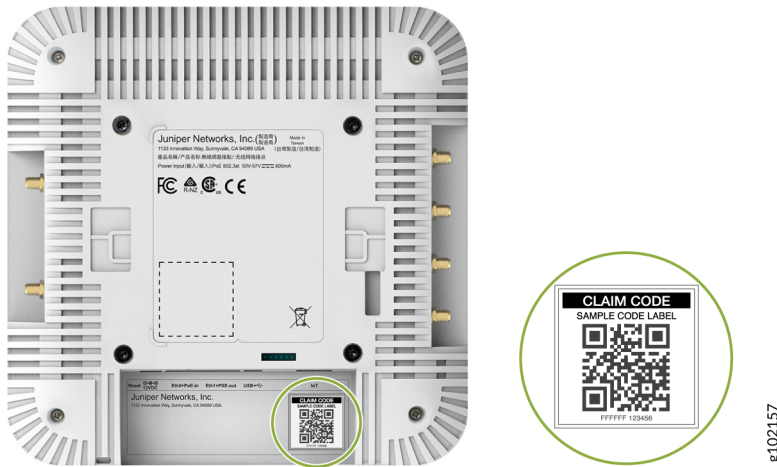

Onboard a Single AP Using the Mist AI Mobile App

You can use the Mist AI mobile app to quickly onboard an AP. With this app you can claim an AP and assign it to a site, rename the AP, and even place the AP on a floor plan. To onboard a single AP using the Mist AI mobile app from your mobile phone:

1. Download and install the Mist AI app from the Google Play Store or Apple App Store.
2. Open the Mist AI app and log in using your account credentials.
3. Select your organization.
4. Tap the site to which you want to assign the AP.
5. Ensure that the Access Points tab is selected and tap **+**.
6. Locate the QR code on the AP. The QR code is located on the rear panel of the AP.
7. Focus the camera on the QR code.
   The app automatically claims the AP and adds it to your site. You'll see the new AP listed under the Access Points tab.
8. Tap the AP to view its details.
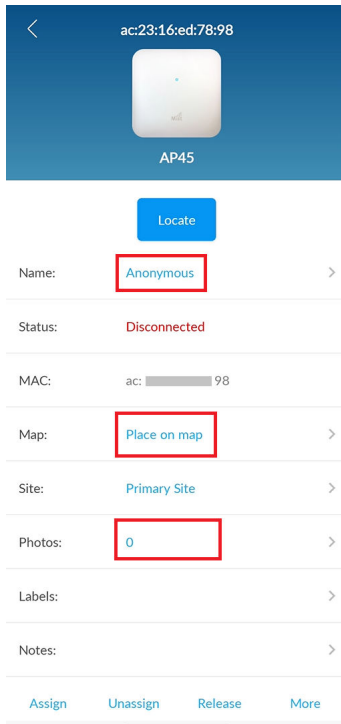
You can perform various tasks from the AP details screen such as renaming the AP, setting it on a floor plan, releasing an AP, or even adding a photo. Simply tap the option and you can update the details. To rename an AP, tap the AP name and enter a new name.

To place an AP on a floor plan, tap **Place on map**. You need to have a floor plan already set up in **Location > Live View** in the Mist to use this option. See Adding and Scaling a Floorplan.

After you place the AP on the floor plan, you'll see more details such as the position of the AP and the height at which the AP is mounted (default value that you can modify).
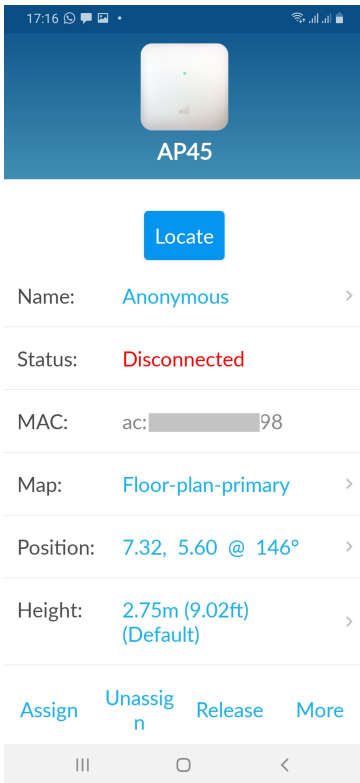
Here's a video that shows how you can onboard an AP using the Mist AI mobile app:

▷ **Video:**

To continue onboarding, proceed to "Step 2: Up and Running" on page 5.

Onboard One or More APs Using a Web Browser

Onboarding multiple APs—When you purchase multiple APs, we provide you with an activation code along with your PO information. Make a note of this code.

Onboarding a single AP—Locate the QR code on your AP and jot down the alphanumeric claim code directly above it.

1. Log in to your account at https://manage.mist.com/.
2. Go to **Organization → Inventory → Access Points** and click **Claim APs**.
3. Enter the Activation code or Claim code.

4. Confirm that **Assign claimed APs to site** is checked and **Primary Site** appears below the check box.

5. Click **Claim**.

   Review the information and **Close** the window.

6. View your new AP or APs on the Inventory page. The status should show Disconnected.

   Here's a video that shows how you can onboard an AP using a Web browser:

   ▷ **Video:**

To complete the onboarding process, see .

Step 2: Up and Running

IN THIS SECTION

- Mount the AP | **5**
- Connect to the Network and Power On the AP | **6**

Mount the AP

You can mount the AP on a wall or ceiling using different methods. For instructions specific to your AP model, see the applicable hardware guide on the Juniper Mist Supported Hardware page.

Connect to the Network and Power On the AP

When you power on an AP and connect it to the network, the AP is automatically onboarded to the Juniper Mist cloud. The AP onboarding process involves the following steps:

- When you power on an AP, the AP obtains an IP address from the DHCP server on the untagged VLAN.

- The AP performs a DNS lookup to resolve the Juniper Mist cloud URL. See Firewall Configuration for the specific cloud URLs.

- The AP establishes an HTTPS session with the Juniper Mist cloud for management.

- The Mist cloud then provisions the AP by pushing the required configuration once the AP is assigned to a site.

> **NOTE**: Some tasks in the following procedure require you to configure or connect to services in your local network. We do not provide instructions for configuring or locating these services.

Ensure that you connect the AP to a network with Internet access. To ensure that your AP has access to the Juniper Mist cloud, ensure that the required ports on your Internet firewall are open. See Firewall Configuration.

To connect an AP to the network:

1. Connect an Ethernet cable from a switch to the **Eth0+PoE** port on the AP.

   An AP can connect to the Mist cloud with 802.3af power. However, most APs require 802.3at power at a minimum whereas some APs require 802.3bt to operate with full functionality. Generally, 802.3at is the minimum recommended PoE power for APs. For information about PoE requirements for APs, see Juniper Mist APs and PoE Requirements.

   You might need to enable the Link Layer Discovery Protocol (LLDP) on the switch for it to deliver 802.3at or 802.3bt power.

   The power-on procedures vary slightly for each switch. For instructions specific to your switch, see the applicable hardware guide on the Juniper Mist Supported Hardware page.

   > **NOTE**: If you are setting up the AP in a home setup where you have a modem and a wireless router, do not connect the AP directly to your modem. Connect the **Eth0+PoE** port on the AP to one of the LAN ports on the wireless router.The router provides DHCP services, which enables wired and wireless devices on your local LAN to get IP addresses and connect to the Mist cloud. An AP connected to a modem port connects to the Mist cloud but does not provide any services.
   > The same guideline applies if you have a modem/router combo. Connect the **Eth0+PoE** port on the AP to one of the LAN ports.

   If the switch or router that you connect to the AP is not PoE capable, use one of the following options to power the AP:

- **PoE injector**: Use an 802.3at or 802.3bt injector. For AP41, AP43, AP33, and AP32 you can use an 802.3at power injector such as PD-9001GR/AT/AC.

    - Connect an Ethernet cable from the switch to the **data in** port on the power injector.

    - Connect an Ethernet cable from the **data out** port on the power injector to the **Eth0+PoE** port on the AP.

  - **12V DC power supply**: You can connect a DC-01 12VDC power supply if your AP has a **12VDC** connector.
2. Wait for a few minutes for the AP to boot completely.

The AP should now appear as green (connected) in the Mist portal. You'll also notice that the status LED on the AP turns green indicating that the AP is connected to the Mist cloud. Congratulations! You've successfully onboarded your AP.

If the AP is unable to connect to the Juniper Mist cloud, you can use the status LED to troubleshoot. See Troubleshoot APs.

Step 3: Keep Going

IN THIS SECTION

- What's Next? | **7**
- General Information | **8**
- Learn with Videos | **8**

What's Next?

Use the Mist portal to configure and monitor your access point (AP) for your network. These tables provide links to additional information to help you get started.

If you want to	See
Configure a WLAN template	WLAN Template Options
Configure the RF template	Radio Settings (RF Templates)
Create a device profile	Create a Device Profile
View the device profile options	Device Profile Options

General Information

If you want to	See
See all documentation available for Wi-Fi Assurance	Wi-Fi Assurance Documentation
Learn about Marvis	Marvis Documentation
See all documentation available for Junos OS	Junos OS Documentation
See product update information	Product Updates

Learn with Videos

If you want to	Then
Learn about Wi-Fi 6E APs	Watch the Deploy WAN Introducing Wi-Fi 6E with Juniper video.
Get short and concise tips and instructions that provide quick answers, clarity, and insight into specific features and functions of Juniper technologies	See Learning with Videos on the Juniper Networks main YouTube page.
View a list of the many free technical trainings we offer at Juniper	Visit the Getting Started page on the Juniper Learning Portal.