



# Adding an Access Point to Mobility Express Network

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## Adding an Access Point to Mobility Express Network

**Pre-requisites for Adding an Access Point:**



**Note** The primary AP facilitates transfer of image from TFTP to the new AP which is added.

1. The AP bundle with AP images downloaded from cisco.com is unzipped and copied into the TFTP server.
2. A DHCP server on the same network, so that an Access Point being added and can obtain an IP.

### Sequence of Steps

1. Download the **AIR-AP1850-K9-ME-<version>.zip** file from cisco.com on a device running TFTP server. **The bundle version must be the same as the one running on the Master AP.** Unzip the file to extract the AP images.
2. Configure the TFTP parameters in the **Software Update (Management > Software Update)** page.
3. Connect the AP to the network.
4. When the AP reboots, it obtains an IP address from the DHCP server. If the AP version matches the one on primary AP, it joins. However, if the version on the AP being added is different than then one on the primary AP, it starts to download the image from the TFTP server. After the image download is complete, the AP will reboot and join the primary AP.



**Note** During the image download there is no service interruption. After the image download is complete, the AP automatically re-boots and join the primary AP.

## Procedure

**Step 1** Download the `AIR-AP1850-K9-ME-<version>.zip` file from `cisco.com` to a machine running TFTP server.

**Download Software**

Downloads Home > Products > Wireless > Access Points > Aironet 1850 Series Access Points > Aironet 1850e Access Points > Cisco Mobility Express-8.1.121.0

**Aironet 1850e Access Points**

Search... Expand All | Collapse All

**Release 8.1.121.0** [Release Notes for 8.1.121.0](#) [Add Device](#) [Add Notification](#)

File Information	Release Date	Size	
Cisco 1850 Series Mobility Express Release 8.1 Software, to be used for conversion from Lightweight Access Points only. AIR-AP1850-K9-8.1.121.0.tar	14-SEP-2015	30.05 MB	Download Add to cart Publish
Cisco 1850 Series Mobility Express Release 8.1 Software. Access Point image bundle, to be used for software update and/or supported access points images. AIR-AP1850-K9-ME-8-1-121-0.zip	14-SEP-2015	141.22 MB	Download Add to cart Publish

**Step 2** Unzip the `AIR-AP1850-K9-ME-<version>.zip` file to extract the AP images.

**Note** Do not rename the AP images on the TFTP server.

Computer > Local Disk (C:) > tftp > ap\_bundle\_8.1.120

Search ap\_bundle\_8.1.120

Name	Date modified	Type	Size
ap1g1	8/28/2015 1:47 AM	File	12,550 KB
ap1g2	8/28/2015 1:47 AM	File	11,670 KB
ap1g3	8/28/2015 1:47 AM	File	13,560 KB
ap1g4	8/28/2015 1:48 AM	File	30,770 KB
ap3g1	8/28/2015 1:47 AM	File	9,670 KB
ap3g2	8/28/2015 1:47 AM	File	13,420 KB
ap801	8/28/2015 1:47 AM	File	7,970 KB
ap802	8/28/2015 1:47 AM	File	9,450 KB
c602i	8/28/2015 1:47 AM	File	3,860 KB
c1140	8/28/2015 1:47 AM	File	8,570 KB
c1520	8/28/2015 1:47 AM	File	7,280 KB
c1550	8/28/2015 1:47 AM	File	9,620 KB
c1570	8/28/2015 1:47 AM	File	11,640 KB

13 items

**Step 3** Log in to the Mobility Express user interface and choose **Management > Software Update**.

The Software Update page displays the current software version running on the Mobility Express controller.

The screenshot displays the 'SOFTWARE UPDATE' interface for a Cisco Aironet 1850 Series Mobility Express device. The left sidebar contains navigation options: Monitoring, Wireless Settings, Management (selected), Access, Admin Accounts, Time, Software Update, and Advanced. The main content area shows the current version as 8.1.112.32. Below this, the 'Transfer Mode' is set to TFTP. The 'IP Address (IPv4)' field is populated with 10.10.10.2, and the 'File Path' field is populated with ap\_bundle\_8.1.112.32/. The 'Set Reboot Time' field is empty. At the bottom, there are four buttons: 'Update Now', 'Schedule Later', 'Save Tftp Parameters' (highlighted with a red box), and 'Restart'. A link '» Preimage Download Status' is located at the bottom left of the main content area.

**Step 4** Enter the IPv4 address of the TFTP server in the **IP Address (IPv4)** field.

**Step 5** Enter **File Path** for the unzipped AP images.

**Step 6** Click **Save Tftp Parameters**.

**Step 7** Connect the AP to the Mobility Express network. After the image download is complete, the AP automatically reboot and join the primary APs.

