HP MSM Access Points Quickstart

Abstract

This document provides pre-installation information for the the HP MSM422, MSM410, MSM335, MSM325, MSM320, MSM320-R, MSM310, and MSM310-R Access Points, hereafter referred to as APs. It is intended for professional installers trained in RF installation and knowledgeable in local regulations and license requirements.

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Overview

This Quickstart shows you how to install and get started using the MSM APs. For the latest documentation including the Release Notes and Installation Guide for your AP model and the *MSM3xx / MSM4xx Access Points Configuration Guide*, see www.hp.com/support/manuals. For the latest information, including software download instructions, see the Release Notes.

It is important that you also download the documents referenced under "Installation and Configuration" (page 3), read the additional safety and regulatory information, and follow the detailed installation and configuration directions provided in these documents.

The following table lists the AP models and associated part numbers for the United States (US), Japan (JP), and Worldwide (WW).

Model	Part numbers
MSM422	J9358A/B (US), J9530A/B (JP), J9359A/B (WW)
MSM410	J9426A/B (US), J9529A/B (JP), J9427A/B/C (WW)
MSM335	J9356A/B (US), J9357A/B (WW)
MSM325	J9369A/B (US), J9373A/B (WW)
MSM320	J9369A/B (US), J9527A/B (JP), J9373A/B (WW)
MSM320-R	J9365A/B (US), J9528A/B (JP), J9368A/B (WW)
MSM310	J9374A/B (US), J9524A/B (JP), J9379A/B (WW)
MSM310-R	J9380A/B (US), J9383A/B (WW)

Safety and Regulatory Information

⚠ **WARNING!** Carefully observe the following warnings.

- **Professional installation is required**. Before installing or using the AP, consult with a professional installer trained in RF installation and knowledgeable in local regulations including building and wiring codes, safety, channel, power, indoor/outdoor restrictions, and license requirements for the intended country. The end user is responsible for ensuring that installation

and use comply with local safety and radio regulations.

- **Surge protection and grounding**: When connecting an outdoor antenna to an AP, make sure that proper lightning surge protection and grounding precautions are taken according to local electrical code. Failure to do so can result in personal injury, fire, equipment damage, or a voided warranty. The HP hardware warranty provides no protection against damage caused by static discharge or a lightning strike.
- **Cabling**: You must use supported Cat 5e (or better) cables, and where applicable, surge protection, for your given region. For compliance with EN55022 Class-B emissions requirements, use shielded Ethernet cables.
- Network cables can occasionally be subject to hazardous transient voltages (caused by lightning or disturbances in the electrical power grid). Handle exposed metal components of the network with caution.

△ **CAUTION:** Carefully observe the following cautions.

- **Country of use**: In some regions, you are prompted to select the country of use during setup. After the country has been set, the AP automatically limits the available wireless channels, ensuring compliant operation in the selected country. Entering the incorrect country can result in illegal operation and can cause harmful interference to other systems.
- **External Antennas**: Depending on the country of use, the antenna selected, and your radio settings, it may be mandatory to reduce the radio transmission power level to maintain regulatory compliance. For specific power limits for your country, see the *Antenna Power-Level Setting Guide (for MSM Products)* for your AP model available at www.hp.com/support/manuals (search by antenna model number).

  To set the radio power transmission level for controlled APs, see "Transmit power control" in the *MSM7xx Controllers Configuration Guide*. For information about autonomous APs, see "Transmit power control" in the *MSM3xx / MSM4xx Access Points Configuration Guide*.
- If your network covers an area served by more than one power distribution system, be sure that all safety grounds are securely interconnected.
- The AP is powered-on when the Ethernet port is plugged into a PoE power source or when an external power supply is connected.
- The AP and all interconnected equipment must be installed indoors within the same building (except for outdoor APs and antennas), including all PoE-powered network connections as described by Environment A of the IEEE 802.3af standard.
- MSM320-R and MSM310-R are the only models that can be installed outdoors.

Powering the AP

The AP can be powered by:

- A 10/100 or 10/100/1000 PoE-enabled switch. Various PoE-enabled switches are available from HP.
- An HP 1-Port Power Injector (J9407B).

In addition, optional HP power supplies are available for some APs:

- **MSM422 and MSM335 APs**: Able to have power supplied by a Listed Information Technology Equipment AC Adapter, Wall Industries Inc., Model GPSU30A-8, rated output 33–50 Vdc, 0.91–0.61 A, available as HP part number J9406A.
- **MSM320 and MSM310 APs**: Able to have power supplied by a Listed Information Technology Equipment AC Adaptor, Sparkle Co. Inc., Models FSP015-1AD201A or FSP015-DYAA1xx, rated output 5 Vdc, 3A (marked Class 2 or LPS) available as HP part number J9405A.

△ **CAUTION:** 802.11n APs only: If the 802.11n AP is powered by a user-supplied PoE power injector, use only a gigabit-compatible power injector. PoE injectors designed for 10/100 networks only are not compatible with the AP.

Installation and Configuration

Install and configure your AP as follows:

- Follow the procedure in the Installation Guide for your AP model.
- For autonomous mode usage, perform initial configuration according to the procedure in the Installation Guide for your AP model.
- For controlled mode usage, see "Working with Controlled APs" in the *MSM7xx Controllers Configuration Guide*.