



# 6500 ION Firmware Update Instructions

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## Introduction

This document describes how to upgrade the firmware on a Micron 6500 Gen4 NVMe SSD to G0MQ200 using either nvme-cli or msecli. For further assistance with this process please contact your local Micron representative.

## Upgrade using nvme-cli

1. Download and install latest version of nvme-cli from github.com:
  - a. <https://github.com/linux-nvme/nvme-cli/releases>
2. Obtain the required 6500 Firmware from your Micron contact or from [www.micron.com](http://www.micron.com):
  - a. Firmware name: Micron\_6500ION\_G0MQ200\_release.ubi
3. List the SSDs in the system:
  - a. nvme list
    - i. Note: The target name (nvmeX) for the SSD
4. To download the firmware, use the following nvme-cli commands:
  - a. nvme fw-download /dev/nvmeX -f Micron\_6500ION\_G0MQ200\_release.ubi
    - i. Note: The same firmware file is used for all form factors and densities
5. To commit the firmware, use the following nvme-cli command:
  - a. nvme fw-commit /dev/nvmeX -s 2 -a 3
6. Confirm the firmware has been successfully updated to version G0MQ200
  - a. nvme id-ctrl /dev/nvmeX | grep fr

## Upgrade using msecli

1. Download and install latest version of msecli from [micron.com](http://micron.com):
  - a. <https://www.micron.com/sales-support/downloads/software-drivers/storage-executive-software>
2. Obtain the required 6500 Firmware from your Micron contact or from [www.micron.com](http://www.micron.com):
  - a. Firmware name: Micron\_6500ION\_G0MQ200\_release.ubi
3. List the SSDs in the system:
  - a. msecli -L
    - i. Note: The target name (nvmeX) for the SSD
4. To download the firmware, use the following msecli command:
  - a. msecli -F -U Micron\_6500ION\_G0MQ200\_release.ubi -n /dev/nvmeX
    - i. Note: The same firmware file is used for all form factors and densities
5. Confirm the firmware has been successfully updated to version G0MQ200
  - a. msecli -F -n /dev/nvmeX



## Ping Pong Firmware

Firmware G0MQ200P (Micron\_6500ION\_G0MQ200P\_PingPong.ubi) is provided as a companion to firmware G0MQ200 for upgrade/downgrade testing

## Notes:

NVMe version 1.8.1

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