



9550 Firmware Update Instructions

Firmware: F3MU011 – March 3, 2025

Scope

This document provides:

- Upgrade instructions for the QR firmware F3MU011

This document describes how to upgrade the firmware on a Micron 9550 Gen5 NVMe SSD using either nvme-cli or msecli. For further assistance with this process please contact your local Micron representative.

Ping-Pong Testing

Use F3MU011P firmware for testing firmware upgrade/downgrade.

When testing firmware upgrade/downgrade between these versions, AWOR (Commit Action 3) can be utilized, and no power cycle is required.

Firmware upgrade and downgrade compatibility table:

From		To	Notes
F3MU011	<->	F3MU011P	Recommended for Ping-Pong testing AWOR (Commit Action 3) - Supported
F3MU010	<->	F3MU011	AWOR (Commit Action 3) - Supported
F3MU0636			Upgrade not supported Contact your local Micron representative



Upgrade using nvme-cli (commands verified on version 2.4)

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 firmware from your Micron contact:
 - a. Firmware name: Micron_9550_F3MU011_release.ubi.enc
3. List the SSDs in the system:
 - a. nvme list

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_9550_F3MU011_release.ubi.enc

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 F3MU011
 - a. nvme list

Upgrade using msecli (commands verified on version 10.07.072024.00)

1. Download and install latest version of msecli from your Micron contact
2. Obtain the required firmware from your Micron contact:
 - a. Firmware name: Micron_9550_F3MU011_release.ubi.enc
3. List the SSDs in the system:
 - a. msecli -L

Note: The target name (nvmeX) for the SSD
4. To download the firmware, use the following msecli command:
 - a. msecli -F -U Micron_9550_F3MU011_release.ubi.enc -S 2 -n /dev/nvmeX

Note: The same firmware file is used for all form factors and densities
5. Confirm the firmware has been successfully updated to version F3MU011
 - a. msecli -L