



# Firmware Update Instructions

Micron RealSSD™ 2.5" C400 Firmware Revision 040H for DELL

Boot from CD update guide

## Introduction

This document describes the process of updating the firmware on the Micron RealSSD™ C400 using a bootable CD and an ISO image. The ISO image contains the 040H firmware update and DOS boot code.

This process is to be used for updating the Firmware **from any previous Release version to 040H**. It will not work for updating from any production release firmware (e.g.: "BC09"). Beta releases are identified by a 'B' followed by three digits whereas Production releases are identified by a '0' followed by 3 digits.

This updater has been tested on a small number of DELL systems, but not exhaustively across all targeted systems.

## General Instructions

1. The ISO image file used to burn the utility onto a bootable CD is available and is supplied with this document
2. The file supplied is: **DELL\_2\_5\_040H\_DOSbootable\_20121119.zip**
3. This file contains the .ISO image. Using the CD Burning software of your choice, burn this ISO image to CD media.

## Complete the following steps before starting the firmware update process:

### 1. Backup the Solid-State Drive

It is highly recommended that full system backup be completed before starting this firmware upgrade procedure. If the upgrade is interrupted (by a power loss or hardware failure of some sort), it is possible that the solid-state drive may not function properly.

### 2. Use AC Power

Ensure your mobile PC or desktop PC is plugged in to AC power during the update process. It is not recommended to use only battery power during the upgrade. Do not remove power at any time during the firmware update process as this could produce incomplete results and may render your solid-state drive unusable.

### 3. Edit BIOS Settings

Per the steps below, you may need to edit your computer's BIOS settings. Please see your computer's owner's manual for details on editing these settings.

#### a) Disable/Remove Drive Passwords

Enter the BIOS (typically by hitting the "Delete", "F2" or "F12" key during start-up screen), and disable any passwords that you may have set on the SSD. Password protections could block firmware updates.

#### b) Check the Boot Order

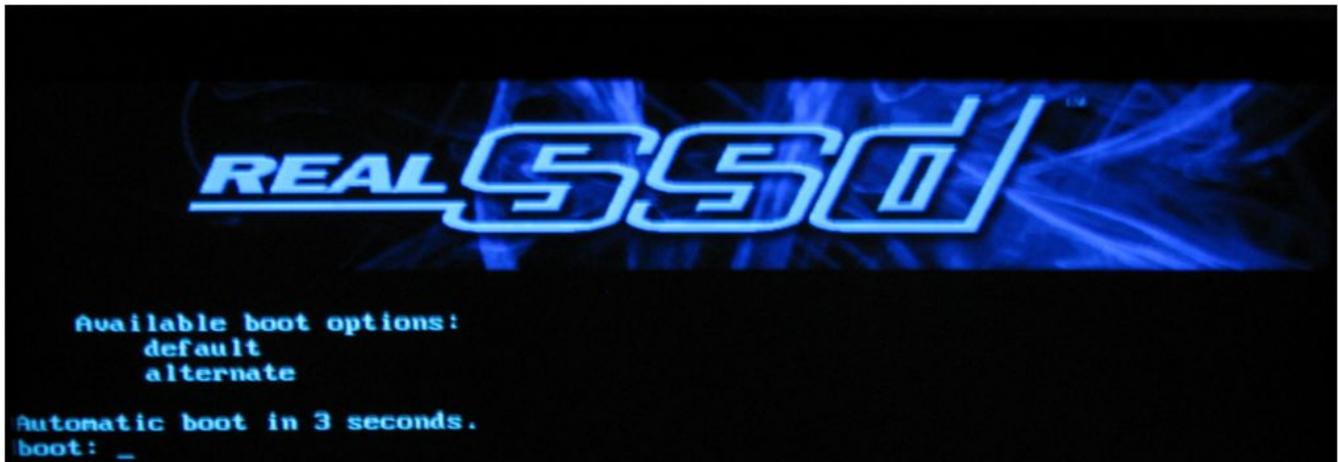
If your system does not boot from CD/DVD drive, you will need to edit your BIOS settings. While in the BIOS editor, check the drive boot order. As a default, most systems will boot from the CD-ROM/DVD drive before the system drive. Depending on the BIOS vendor, find an option named "Boot Device Priority", "Boot Load Order", or possibly "Advanced BIOS Features". Ensure that the system boots to the bootable media drive before the drive that contains the OS.

#### c) Set interface mode

This updater will not work in RAID mode. Please set the interface mode to AHCI or IDE mode.

## Run the Firmware Update

1. Insert the bootable CD media with the ISO Image into your system.
2. Reboot the system from the bootable CD media. This will automatically start the Firmware Update. The following screen will appear:



- After the update tool has fully loaded, you will see the following (for example):

```
Searching for eligible SSDs
```

```
The following drive is eligible for a firmware update
```

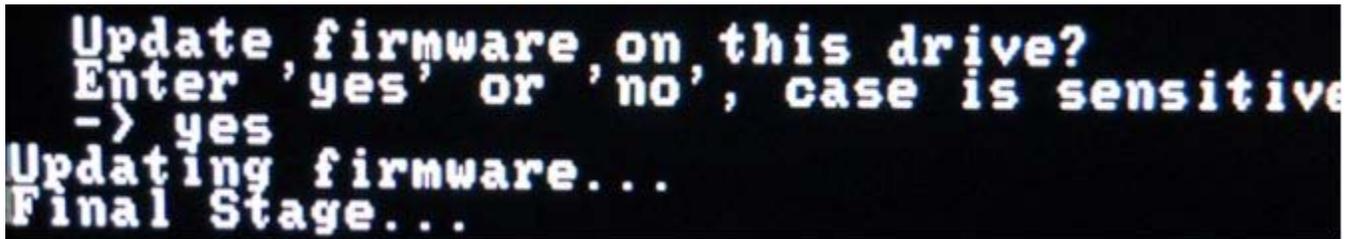
```
C400-MTFDDAK***MAM
```

```
010G
```

```
Update firmware on this drive?
```

```
Enter 'yes' or 'no', case is sensitive...
```

If your C400 drive is not listed in the screen display as above, please see the “Troubleshooting Tips” section below.



- On most systems, this process will take between 30 to 60 seconds. Some systems may require a longer time to complete.
- Upon completion, the following message will display:

```
Current Firmware is: 040H
```

```
Finished.
```

```
A:\>
```

- IMPORTANT!!!** The revision of the firmware will be listed. If the revision is **NOT** listed as 040H, then **repeat** the process from Step 1 of the “Run the Firmware Update” section above.
- If you are not sure what revision firmware you have or want to confirm you can enter

```
dosmcli --verbose -d
```

at the A:\> prompt. The last line shown is the Firmware Revision. If 040H is not shown, repeat the process from Step 1 of the “Run the Firmware Update” section above. PLEASE NOTE: This command will list all ATA drives on your system, not just the Micron SSD.



8. Remove the bootable CD, and shut down your system by pressing and holding the power button.
9. Turn power back ON. You may change any BIOS settings you made at the start of this process back to original settings.
- 10. Process is complete.**
11. The updater will sequentially step through each Micron drive attached to the computer and ask if you wish to update.
12. To restart the updater, enter "autoexec.bat" at the A:\> prompt.

### Troubleshooting Tips

- Every effort has been made to test the compatibility of this software with various system and chipset configurations, however, it is not possible to test every available system, and older systems may experience compatibility problems.
- If your RealSSD™ C400 drive is not recognized in Step 3 of the "Run the Firmware Update" section above, it may be necessary to run this update in IDE mode instead of AHCI mode. To do so, perform the following steps:
  - In a desktop system, ensure that your drive is plugged into one of first 4 ports on the SATA bus. These are normally labeled 0 through 3. Some motherboards do not support hot-plugging of SATA devices, so it is recommended that power be shut off to the system before changing ports.
  - From BIOS Setup, change the SATA mode to IDE or Legacy mode or "compatibility mode." The firmware update will not work in AHCI mode. Look for a parameter named "SATA Configuration", or possibly "Integrated Peripherals".
  - Save your settings and exit from the BIOS.
  - Proceed with the instructions from Step 1 of the "Run the Firmware Update" section above.
- Most systems prevent firmware updates when in RAID mode. In this case, changing to AHCI or IDE mode may help to complete the update process. Any RAID configurations should be preserved after the update, when the system is put back into RAID mode, but check with your system's user manual before proceeding.
- Peripheral RAID cards will not pass the necessary commands to perform firmware updates. You may need to move the target drive onto a host bus adapter that facilitates these commands.