

# Firmware Update Guide

## Micron RealSSD C300 Firmware Revision 0002 | Boot from CD update guide. (Update from Rev 0001 to Rev 0002)

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### Introduction

This document describes the process of updating the firmware on the Micron RealSSD C300 using a bootable CD and an ISO image. The ISO image contains the 0002 firmware update and DOS boot code.

This process is to be used for updating the Firmware from Revision 0001 to Revision 0002. It will not work for updating between any other versions.

**WARNING: This firmware update process will result in the loss of all data on the drive. The firmware update process is done entirely at your own risk. Before initiating the update process be sure to backup or make copies of all important files. If the firmware process is interrupted your solid-state drive may not function properly.**

### General Instructions

#### Download the Firmware Update

1. Before beginning the firmware download process close all other programs except for your internet browser.
2. Login to your Micron.com account.
3. Find the **C300 Firmware Update Utility** associated with your Micron SSD under the Documentation tab from the Products ->RealSSD->Client SSD page. Sort by "Software" from the dropdown menu.
4. Click **Download** and the browser will prompt you to select **Open**, **Save** or **Cancel**. Select **Save** to download the ISO Image to your system.
5. Using CD Burning software, burn the ISO Image to CD media.

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

##### 1. Backup the Solid-State Drive

Perform a complete system backup to ensure recovery of lost data during the firmware update process. Micron is not responsible for any data loss that might occur during or after a firmware update. Following a successful firmware update, system restoration **WILL be required**.

##### 2. Plug Drive into Motherboard port 0-3

Make sure your SSD is plugged into one of the first four ports on the motherboard, typically labeled 0 through 3. Some systems do not support "hot-plugging" your SSD. If necessary, shut down power to your system before plugging your SSD into a new port. **Note: The upgrade process will not work with drop-in HBAs (Host Bus Adapters) or 6.0 Gb/s ports. A native 3.0 Gb/s SATA port must be utilized.**

### 3. 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.

### 4. Edit BIOS Settings

#### a) Disable/Remove Drive Passwords

Enter the BIOS (typically by hitting the “Delete”, “F2” or “F12” key during post screen), and disable any passwords that you may have set on the SSD.

#### b) Check the Boot Order

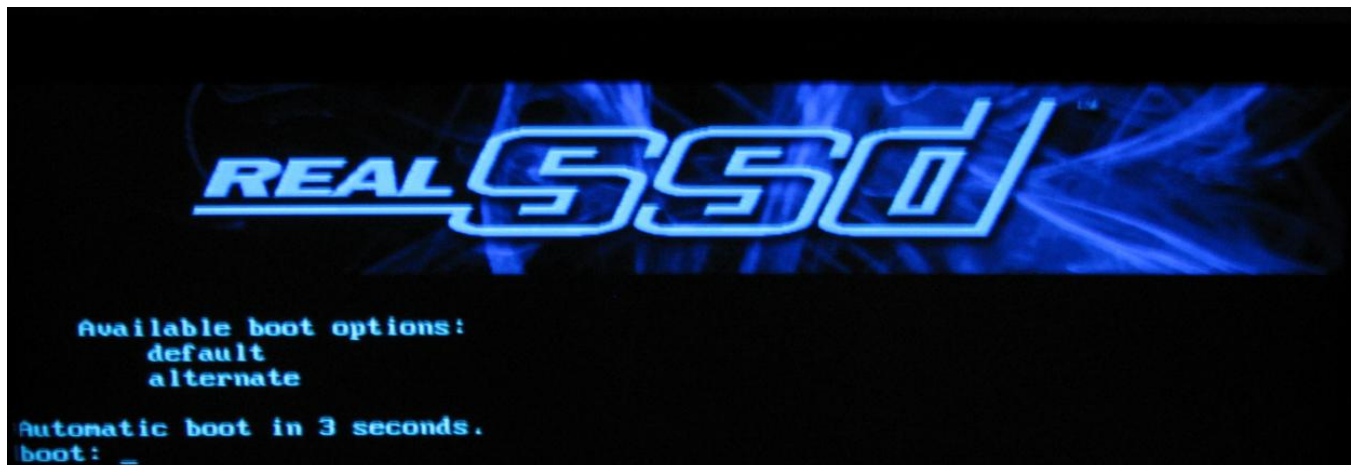
While in the BIOS editor, check the drive boot order. As a default, most systems will boot from the CD-ROM/DVD drive before the system drive. Depending on the BIOS vendor, look for a parameter named “Boot Device Priority”, “Boot Load Order”, or possibly “Advanced BOIS Features”. Ensure that the system boots to the bootable media drive before the drive that contains the OS.

#### c) Change SATA mode to IDE mode

From BIOS Setup, change the SATA mode to IDE or Legacy mode. The firmware update will not work in AHCI mode. Look for a parameter named “SATA Configuration”, or possibly “Integrated Peripherals”.

## Run the Firmware Update

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



3. After the update tool had fully loaded, you will see the following:

```
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This copyright notice may not be removed, altered or obscured in any way.

Finding drives...
#####Searching for eligible SSDs...

The following drive is eligible for a firmware update:

C300-MTFDDAC128MAG
0000000010030000628D
0001

Update firmware on this drive?
Enter 'yes' or 'no', case is sensitive...
-> _
```

4. Enter “yes” in lower case letters when asked to update the firmware. The following screen will appear:

```
Updating firmware...
Continuing update, please wait...
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This copyright notice may not be removed, altered or obscured in any way.

Finding drives...
#####Searching for eligible SSDs...

The following drive is eligible for a firmware update:

C300-MTFDDAC128MAG
0000000010030000628D
0001

== Updating this drive with the firmware contained in this
   tool WILL result in the LOSS OF ALL DATA on this drive.

If you have not already backed up the data on this
drive, answer 'no' at the following prompt and back
up your data.

Once your data has been backed up, re-run this tool.

I understand that this firmware update will result in all
data on the drive being lost.

Enter 'yes' or 'no', case is sensitive...
-> _
```

5. **As noted in the screen shot above the update process is destructive to the data on the drive. Please ensure you have backed up your data prior to performing the upgrade. If you have not completed a backup, enter “no” and you will exit the process. Backup your data and restart the process.**

- If you previously completed a data backup, you can proceed with the update process by typing “yes” and pressing the enter key. The following screen will appear:

```
The following drive is eligible for a firmware update:
C300-MTFDDAC128NAC
00000000100300006200
0001

██ Updating this drive with the firmware contained in this
  tool WILL result in the LOSS OF ALL DATA on this drive.

If you have not already backed up the data on this
drive, answer 'no' at the following prompt and back
up your data.

Once your data has been backed up, re-run this tool.

-----
I understand that this firmware update will result in all
data on the drive being lost.
Enter 'yes' or 'no', case is sensitive...
-> yes

Update firmware on this drive?
Enter 'yes' or 'no', case is sensitive...
-> _
```

- To proceed, type “yes” and press enter.
- The firmware upgrade process will take approximately 5 minutes. Do not disconnect the power to the system during this time. Once the update process is complete the following screen will appear:

```
Update firmware on this drive?
Enter 'yes' or 'no', case is sensitive...
-> yes
Updating firmware...

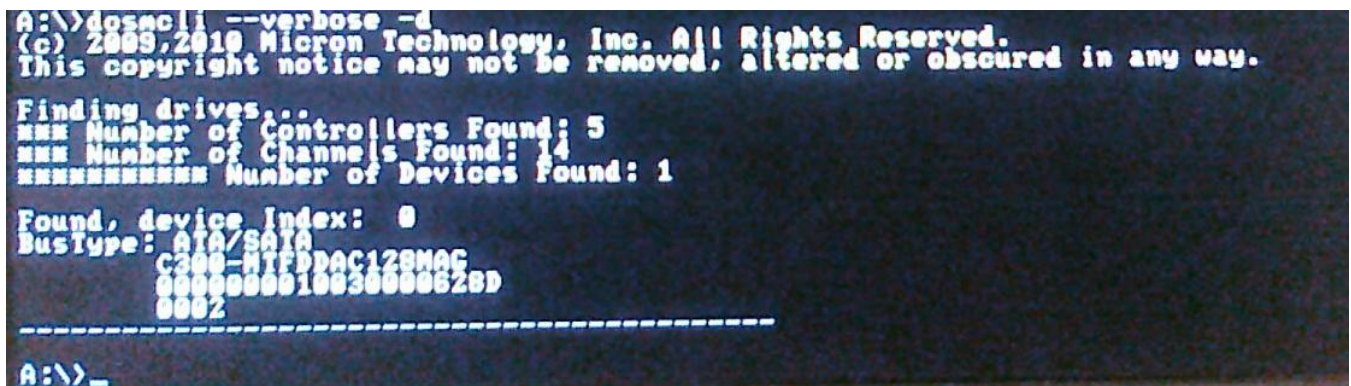
Please wait approximately 5 minutes...
.....
.....
.....
.....

Current Firmware is: 0002
Finished.
A:\>
```

- IMPORTANT!!!** The revision of the firmware will be listed. If the revision is **NOT** listed as 0002, 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 0002 is **NOT** shown, repeat the process from Step 1 of the “**Run the Firmware Update**” section above.



```
A:\>dosmcli --verbose -d
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Finding drives...
### Number of Controllers Found: 5
### Number of Channels Found: 14
##### Number of Devices Found: 1

Found, device Index: 0
BusType: ATA/SATA
          C300-MIFDDAC128MAG
          00000000100300000628D
          0002
-----
A:\>_
```

- Reboot the system (Ctrl+Alt+Delete) and reenter the BIOS Setup to change the SATA mode back to AHCI mode.
- Complete! At this point, you can restore your system settings, and restore your system.



**Revision History**

Rev. A.....05/10

- Initial release