

Firmware Update Guide

RealSSD C300 Series Firmware 0002 | Boot from CD

This document describes the process of updating the firmware on the Crucial 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.

Download the Firmware Update

1. Before beginning the firmware download process close all other programs except for your internet browser.
2. Find the **boot from CD** firmware update associated with the part number of your Crucial Solid-State drive.
3. Click **Download** and the browser will prompt you to select **Open, Save or Cancel**, Select **Save** to download the .zip file containing the ISO Image to your system.
4. Extract the ISO file from the .zip file and use CD Burning software to 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. Crucial is not responsible for any data loss that might occur during or after a firmware update. Following a successful firmware update data restoration **WILL** be required.

2. Plug the drive into the 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 system is plugged into 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

- **Disable/Remove Drive Passwords**

Enter the BIOS, and disable any passwords that you may have set on the SSD.

- **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 or Boot Load Order. Ensure that the system boots to the bootable media drive before the drive that contains the OS.

Note: This is not required for Macs.

- **Change SATA mode to IDE mode**

From BIOS Setup, change the SATA mode to IDE mode. The firmware update will not work in AHCI mode.

Note: This is not required for Macs.

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:

```
(c) 2009,2010 Micron Technology, Inc. All Rights Reserved
This copyright notice may not be removed, altered, or
transmitted in any form or by any means, electronic,
mechanical, photocopying, recording, or by any information
storage and retrieval system.

Finding drives...
****Searching for eligible SSDs...

The following drive is eligible for a firmware update:
C300-CTFDDAC128MAG
00000000100800008A93
0001

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



3. Type "yes" in lower case letters when asked to update the firmware. The following screen will appear:

```
Update firmware on this drive?
Enter 'yes' or 'no', case is sensitive...
-> yes
Updating firmware...
Firmware successfully downloaded to the device.
Continuing update, please wait...
(c) 2009,2010 Micron Technology, Inc. All Rights Reserved.
This copyright notice may not be removed, altered or obscured
Finding drives...
***Searching for eligible SSDs...

The following drive is eligible for a firmware update:
C300-C1FDDAC128MAG
00000000100800008A93
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...
->
```

- 4. 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.
- 5. 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:

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

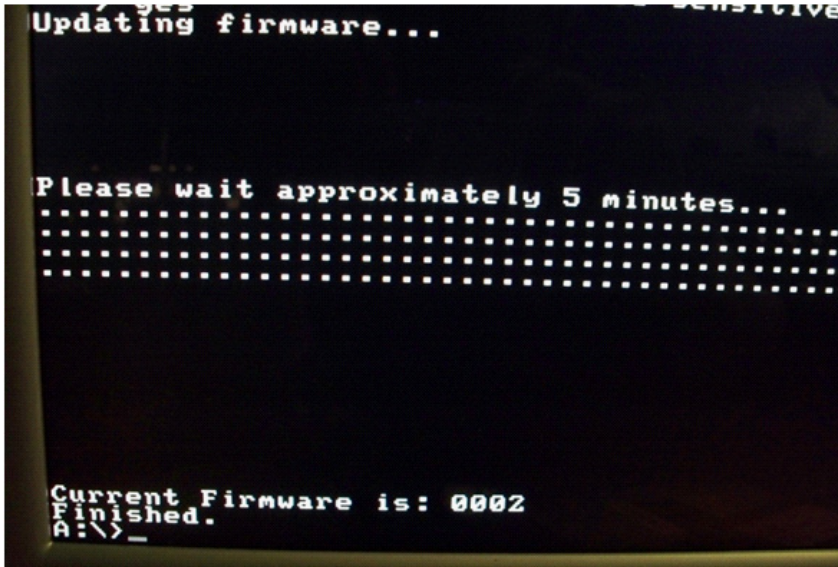
If you have not already backed up the data on this
drive, answer 'no' at the following prompt and back
up your data.
Once your data has been backed up, re-run this tool.

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

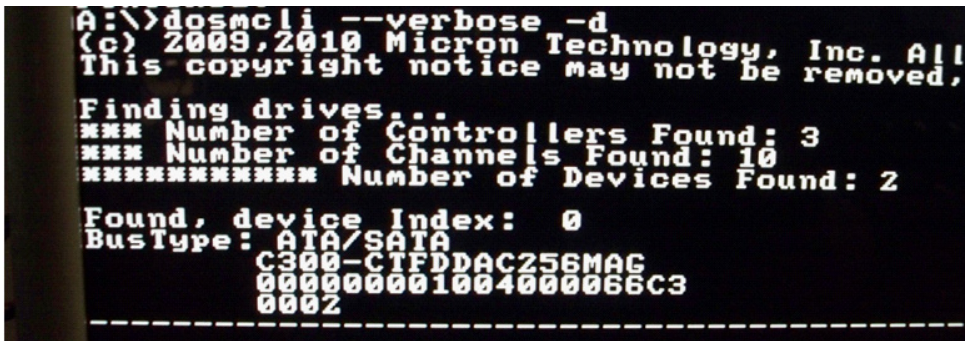
Update firmware on this drive?
Enter 'yes' or 'no', case is sensitive...
-> yes
```

6. To proceed, type "yes" and press enter.

7. 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:



8. 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.
9. If you are not sure what revision firmware you have or want to confirm you can enter a
A:\> dosmcli --verbose -d
command at the A:\> prompt. The last line shown below is the Firmware Revision.



10. Enter the BIOS Setup and change the SATA mode to AHCI mode.
Note: This is not required for Macs.
11. Complete! At this point, you can restore your system settings, and restore your system.

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