

Firmware Update Procedure

EVOS Firmware revision 1.05 issues resolved:

- SD card compatibility is expanded so that EVOS will work with any brand of SD card.
- Images are stored in an EVOS directory on the SD card.
- Either button will trigger the image capture.

NOTE: The firmware update process takes about five minutes. During the process, there will be several long pauses when the screen appears inactive.

1. DOWNLOAD FIRMWARE.

- a. Go to <http://amgmicro.com/CustFiles/> and click the link for EVOS Firmware 1.05.
- b. Please provide your name and e-mail address and the serial numbers of the unit(s) you are upgrading. This information will help us serve you better. (You will only have to fill out this form the first time you download firmware.)
- c. Download the file and save it onto an SD™ card. (To avoid overwriting data, first back up all files from the card.)

Note that you must use a compatible SanDisk brand card for the download. If you do not have access to one of the SanDisk cards shown below, e-mail us at info@amgmicro.com or call 1-866-614-4022, and we will make arrangements for your download.

The new firmware will expand compatibility to read SD cards from other manufacturers.

[» REQUEST A DOWNLOAD](#)

DOWNLOAD REQUEST »

Please provide your contact information before downloading your file so that we can notify you of future upgrades.

Contact Information

*Name
*Email

Please provide the serial number (located under base of unit) for each EVOS unit you are updating. This information will help our Customer Service and Technical Support staff to better serve you.

1. <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/>	6. <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/>
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3. <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/>	8. <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/>
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*Required Information

Fill in the form to get the new firmware file.



Use one of these compatible SD cards to download firmware.

EVOS FIRMWARE UPDATE

2. INSTALL NEW FIRMWARE.

- a. While unit is powered OFF, insert the SD card into the card slot at the top of the LCD.
- b. Press and hold the LEFT button while powering unit ON.
- c. The current firmware version (from the unit) will appear onscreen, as shown in illustration (first four lines).
- d. After about 45 seconds, the new firmware version (from the SD card) will appear on screen.
- e. Press the RIGHT button to start the update.
- f. The screen will display the update progress, with long pauses during the chip erase and writing sequences.

i **IMPORTANT! DO NOT POWER OFF**
before the "Reset Power" message appears.

- g. After about three minutes, the "Reset Power" message will appear on screen as shown at right.

3. VERIFY FIRMWARE.

- a. After the "Reset Power" message appears, remove the SD card and turn power OFF.
- b. Press and hold the LEFT button while powering unit ON.
- c. The EVOS model number, hardware version, and firmware version will appear. Reset power after verification.



Insert SD card and hold down LEFT button while powering unit on.

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AMQ Firmware Updater Version 1.02
EVOS Model: AME-I
Hardware Rev: 1.00
Firmware Rev: 1.04

Waiting for SD Card Insertion
Found Card -> Loading Firmware
Verifying firmware.bin file
Firmware Rev on SD Card: 1.05

Push Right Button to Start Update
Updating Unit -> DO NOT POWER OFF <-

Chip Erase Starting
Chip Erase Complete - verifying
Erase verified
FPGA Configuration Data being written to flash
Updater Firmware being written to flash
Diag Routine being written to flash
Fonts Bitmap being written to flash
Verifying Firmware
Firmware Verified

Reset Power to complete firmware upgrade.
```

Update progress as displayed onscreen at end of process.

NOTE: The screen will appear inactive at several points during the process. **Do not power off** until the "Reset Power" message appears as shown.

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AMQ Firmware Updater Version 1.03
EVOS Model: AME-I
Hardware Rev: 1.00
Firmware Rev: 1.05
```

Firmware verification