

M6 v4.9.2 Upgrade Instructions

Due to the size of the new firmware image an old size limitation affects the ability to upgrade directly using the local file upload method. If your M6 is on a network and has internet access it can be upgraded through the [*Easy, One Image Upgrade*](#). If the M6 does not have internet access then the [*Two Image Upgrade*](#) process must be used.

The M6 Firmware images can be downloaded from <http://www.thingmagic.com/manuals-firmware>, under the **Mercury6** content section. Where applicable, direct links to firmware are specified below.

These steps assume you can connect to the M6 Web Interface. If not please see the *M6 User Guide | Connecting to the M6* section.

Easy, One Image Upgrade

This process requires that the M6 has access to the internet, and is configured with access to a DNS Server (if using the www.thingmagic.com URL).

1. Connect to the M6 Web Interface (see M6 User Guide for details)
2. Click on *Firmware* link
3. Enter:
http://www.thingmagic.com/images/M6_Firmware-4.9.2.28.tmfw
** into the *or, specify a download URI* field. Don't check any options to maintain current reader configuration.
4. Click *Update*
5. After about 60 seconds click *Restart Reader* when prompted.

** Alternatively, you can download the M6_Firmware-4.9.2.28.tmfw file and host it on a local FTP or HTTP server that is accessible by the M6 and enter that URL instead of the www.thingmagic.com URL. See the *Web Interface | Status page | MercuryOS Version* value for version information.

Two Image Upgrade

If Internet access is not available from the M6 and if you can't easily host the firmware image on a local FTP/HTTP server then, due to the size of the new firmware, the upload limit must first be changed to allow for the larger firmware image file. The following steps need to be followed carefully.

Step 1 - Load the WebUI Size Limit Increase

1. Save *update_appweblimit-4.9.2.tmfw*:
http://www.thingmagic.com/images/update_appweblimit-4.9.2.tmfw
to your local file system.
2. Connect to the M6 Web Interface
3. Click on *Firmware* link
4. Click on *Choose File*, navigate to the location you saved *update_appweblimit-4.9.2.tmfw* in step 1, select it and click *Open*.
5. Click *Update*
6. Page may be blank. Reload the webpage (with some browsers you may need to navigate back to the *Firmware* link.)

NOTE: DO NOT reboot the M6 between these steps, just reload the firmware update webpage.

Step 2 - Load the New Firmware

7. Save the *M6_Firmware-4.9.2.28.tmfw*
http://www.thingmagic.com/images/M6_Firmware-4.9.2.28.tmfw
to your local file system
8. You should still be on the Firmware Update page from Step 1, if not Click on *Firmware* link
9. Click on *Choose File*, navigate to the location you saved *M6_Firmware-4.9.2.28.tmfw* in step 7, select it and click *Open*.
10. *****You MUST select Erase contents before installing*****
11. Click *Update*
12. After about 60 seconds click *Restart Reader* when prompted.

***** Forgetting to select *Erase...* before loading *M6_Firmware-4.9.2.28.tmfw* may cause the reader to boot into Safe Mode after the installation completes and the reader reboots. If this happens please follow the process for **Step 2 - Load the New Firmware** and make sure to select *Erase contents before installing*.**