



CAM6.6 Controller Firmware Update Procedure

Note: When a firmware update is released, it is available online at the Document Center on www.russound.com in Firmware Software Updates under RNET Systems. The firmware update procedure may be modified, so always check for the latest version.

Requirements:

1. PC computer running Windows 95, 98, ME, NT, 2000, XP operating system
2. Available DB9 serial RS-232 data port (baud rate= 38400, data bits = 8, no parity, 1 stop bit, no flow control)
3. DB9 serial cable (male to female extension)
4. Flash Magic - Philips IC update application (Flash Magic can be downloaded for free at: <http://www.esacademy.com/software/flashmagic/FlashMagic.exe>)

Note: The same A/C power circuit should be used for the system and the PC. Otherwise a ground loop may affect proper data transfer. A battery-powered laptop can also be used.

Update Procedure:

The Firmware Update Selector is located on the rear panel of the CAM6.6.

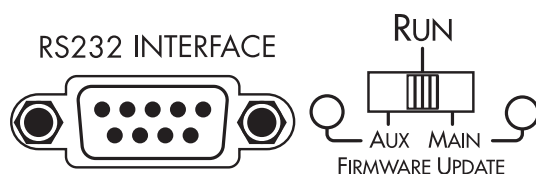
Connect the DB9 serial cable between the PC COM port and the DB9 port on the rear panel of the CAM6.6.

Move the OS Update selector switch to AUX or MAIN to update. The hex file will be labeled AUX or MAIN; set the switch to match which file is being used.

Note: Most updates will require both processors to be updated - the AUX should be updated first.

Cycle the power on the CAM6.6 after selecting the AUX or MAIN position for updating.

Start the Flash Magic application. If error messages appear, they are typically generated due to communication problems. Verify all connections.



Flash Magic Required Settings:

Step 1 - Communications:

COM Port: = COM port connected to on PC

Baud Rate: = 38400

Device: = XA-G49

Interface: = None (ISP)

Oscillator Freq. (MHz): = 12.288

Step 2 - Erase:

"Erase blocks 0-4" should be highlighted by clicking each one

Step 3 - Hex File:

Click "Browse" button to select the new .hex file to be used.

Note: Make sure the proper hex file is selected (MAIN or AUX). Loading the wrong file will lock up the unit)

Step 4 - Options:

Deselect "Set Security Bit 1-3" box.

Step 5 - Start:

Click the "Start" button to begin firmware update. The status is shown at the bottom of the window.

Completion:

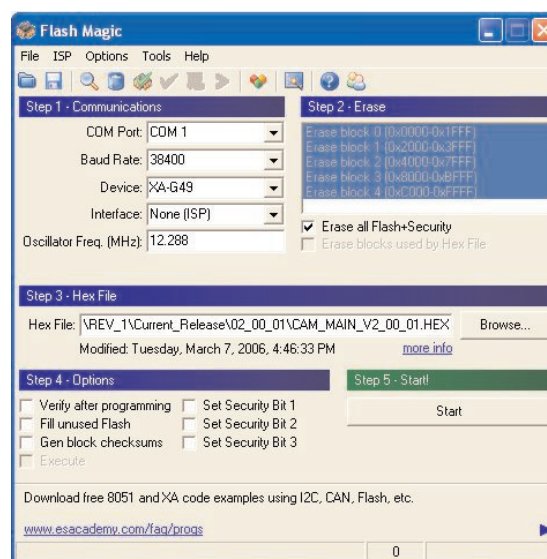
(After both AUX and MAIN updates are finished)

Disconnect the Programming Cable from the controller and the PC.

Re-position the OS Program selector switch to "Run."

Reconnect all RNET links.

Cycle main power off and on to the CAM6.6.



Technical Support: 8:00 AM ET to 8:00 PM ET 866.888.7466 (toll free in the USA) or 603.659.5170 www.russound.com

Russound, 5 Forbes Road, Newmarket, New Hampshire 03857 USA ©2006 Russound. All rights reserved. All trademarks are the property of their respective owners. Specifications subject to change without notice. Russound is not responsible for typographical errors or omissions. Rev. 2 kaw 08/24/06