



To Upgrade/Restore the SMC Transponder A91051, Application Notes

Overview

Introduction

SMC Transponder A91051 is able to upgrade/restore its firmware and parameter using PROG08SZ Interactive Programmer.

Purpose

The purpose of this document is to instruct HFC devices users how to upgrade /restore the firmware and parameter on the SMC Transponder A91051.

Audience

This document is intended for system engineers or managers responsible for operating and/or maintaining these products.

Upgrade/Restore Procedure

Follow the instructions below to upgrade/restore firmware and parameter on your device.

To Download the Application

Click on the following link to download the PROG08SZ Interactive Programmer:

http://www.pemicro.com/products/product_viewDetails.cfm?product_id=147&CFID=4358839&CFTOKEN=d997baa9f4afa47f-AB65803B-D08A-D45A-8782583B7B307F1F

Ignore the price and registration notice.

Preparations before Upgrade/Restore

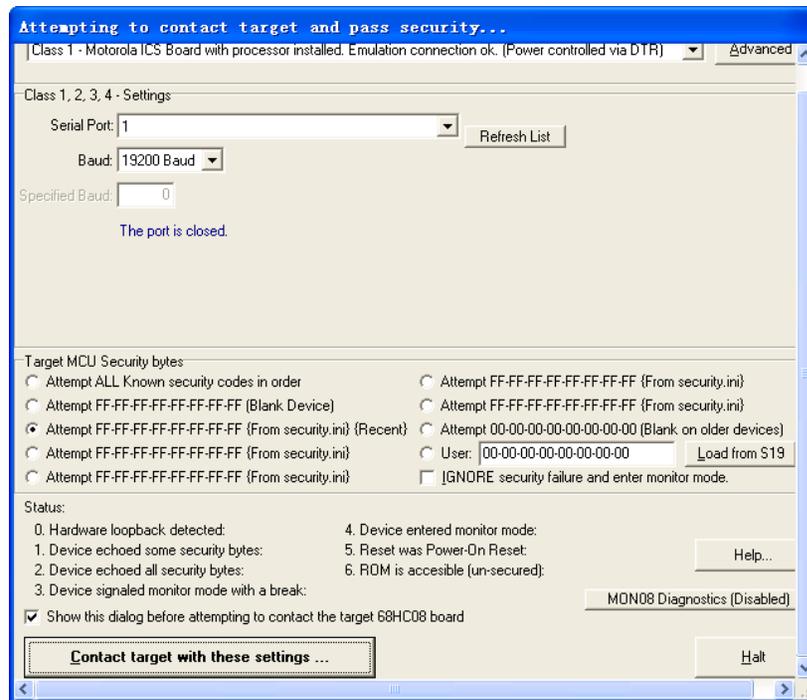
- Make sure your PC has COM port and running Windows XP/2000
- Make sure you are using Cisco's DB9-to-MiniJack cable, part number 744618
- Make sure you have the correct device file, part number 744605
- Make sure NO other COM application is running (e.g. SetXpond)
- Make sure you have installed the latest PROG08SZ Interactive Programmer (V2.32 or above)

To Connect to Your Device

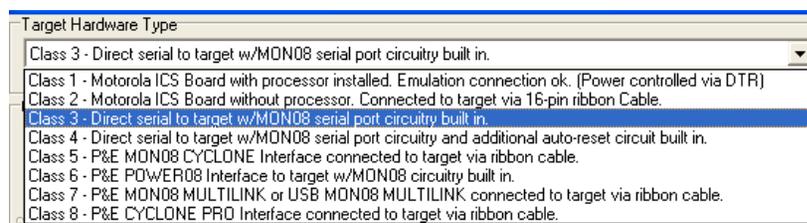
Follow the steps below to connect the program to your device.

Step 1. Open the PROG08SZ Interactive Programmer.

Result: The main dialog box displays as the following screen.

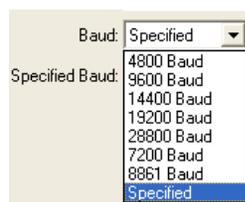


Step 2. Select **Class 3** in the **Target Hardware Type** drop-down box.



Step 3. Select the COM port you are using in the **Serial Port** drop-down box.

Step 4. Select **Specified** in the **Baud** drop-down box to activate the Specified Baud text box.



To Backup the Current Firmware and Parameter

Step 1. Double click **UR Upload Range**

Step 2. Input the address range for the current parameters and firmware information of your device.

Note: For parameter input value 0x0900 ~ 0x09FF/for firmware input value: 0x0800 ~ 0xFFFF.

Step 3. Press **Enter**.

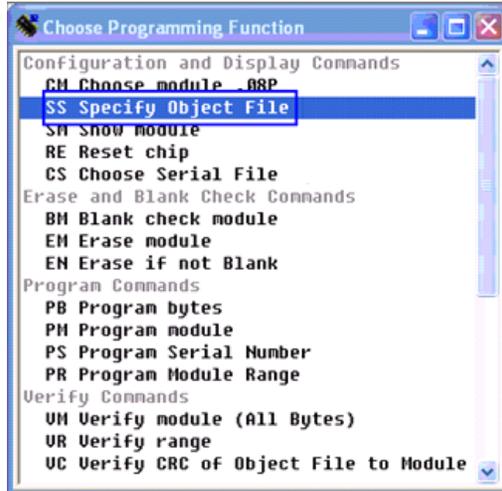
Result: A dialog box would pop up to request a file name for

Step 4. Input the file name. Input “xxx fla” for the firmware file and “xxx.eep” for the parameter file.

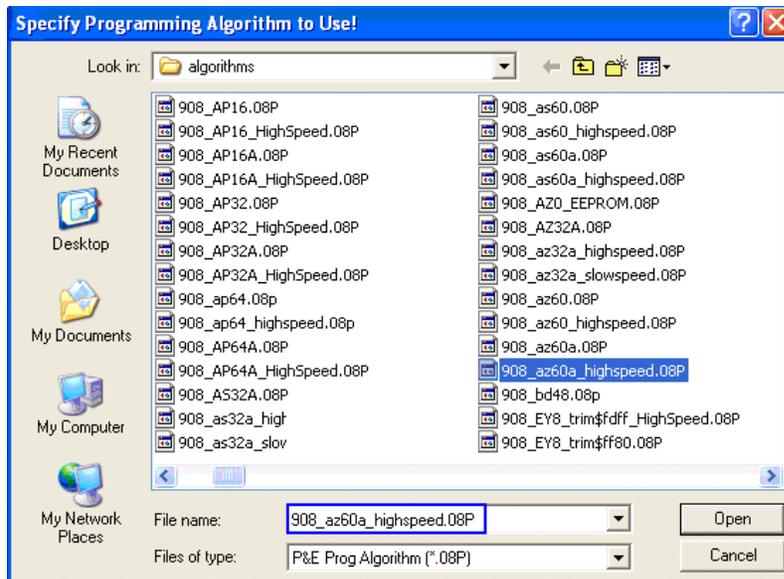
Note: The program automatically names the both 2 backup files to xxx.s19 if no file extension is input at this step. In order to identify the 2 files, make sure to follow this step.

To Choose the Upgrade/Restore Image

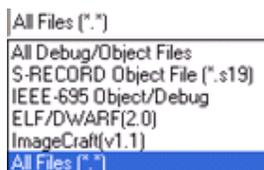
Step 1. Double click **SS Specify Object File** to select the file for programming in the **Choose Programming Function** window.



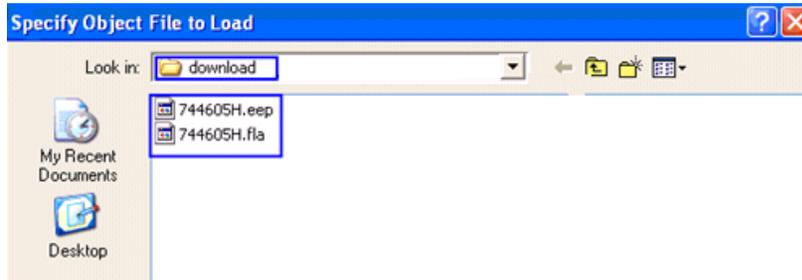
Step 2. Select file **908_az60a_highspeed.08P** in the pop-up dialog box and click **Open**.



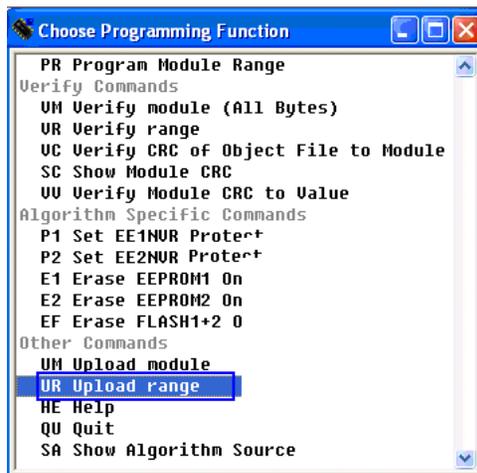
Step 3. Browse to your file directory in the **Look In** drop-down box and Select All Files in the **Files of Type** drop-down box to show the unlisted file types.



Step 4. Select the target file and click **Open**. Select the xxx fla file for this example. The files names are defined by Cisco as the following description.



- a. Document with the file extension xxx.eep is the parameter file for the device.
- b. Document with the file extension xxx fla is the firmware file for the device.



Note: Follow the steps below in **To Upgrade/Restore Your Device** to restore the firmware and/or parameter of your device by loading the xxx fla file and the xxx.eep file you have backed up.

To Upgrade/Restore Your Device

 **CAUTION**

- Backup your parameter file before upgrading! Once the parameter file is upgraded/restored, all parameters including MAC address, frequency, and level etc. will be cleared or set back to default. No MAC address is included in the default parameter.

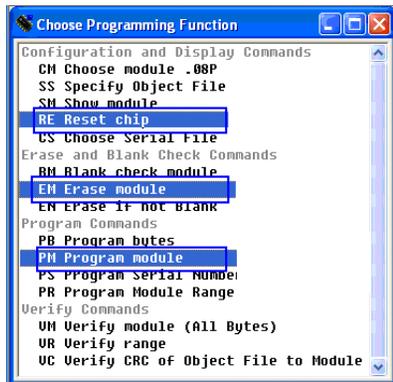
Step 1. Double click **EM Erase Module** to erase the current setting on your device.

Step 2. Double click **PM Program Module** to load the xxx fla file (firmware file) chosen in section **To Choose the Upgrade/Restore Image**.

Step 3. Redo the steps in section **To Choose the Upgrade/Restore Image** to choose the .eep file (parameter file).

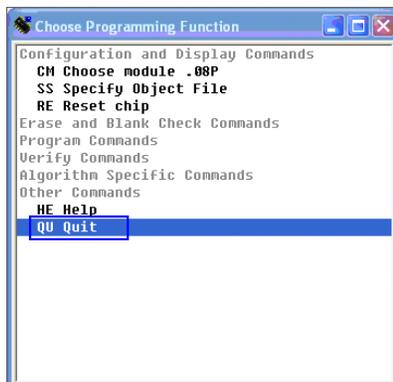
Step 4. Double click **PM Program Module** again to load this file.

Step 5. Double click **RE Reset Chip** to upgrade/Restore your device.



Step 6. Double click **QU Quit** to exit.

Note: The upgrade/restore will be valid after restarting the connected device.





For Information

Support Telephone Numbers

This table lists the Technical Support and Customer Service numbers for your area.

Region	Centers	Telephone and Fax Numbers
North America	Cisco Services Atlanta, Georgia United States	For <i>Technical Support</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 2 at the prompt) For <i>Customer Service</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 3 at the prompt) Fax: 770-236-5477 E-mail: customer-service@cisco.com
Europe, Middle East, Africa	Belgium	For <i>Technical Support</i> , call: Telephone: 32-56-445-197 or 32-56-445-155 Fax: 32-56-445-061 For <i>Customer Service</i> , call: Telephone: 32-56-445-444 Fax: 32-56-445-051 E-mail: service-elc@cisco.com
Japan	Japan	Telephone: 81-3-5908-2153 or +81-3-5908-2154 Fax: 81-3-5908-2155
Korea	Korea	Telephone: 82-2-3429-8800 Fax: 82-2-3452-9748 E-mail: songk@cisco.com
China (mainland)	China	Telephone: 86-21-2401-4433 Fax: 86-21-2401-4455 E-mail: repaircentercn@external.cisco.com
All other Asia-Pacific countries & Australia	Hong Kong	Telephone: 852-2588-4746 Fax: 852-2588-3139 E-mail: support.apr@sciati.com
Brazil	Brazil	Telephone: 11-55-08-9999 Fax: 11-55-08-9998 E-mail: fattinl@cisco.com or ecavalhe@cisco.com

For Information

Region	Centers	Telephone and Fax Numbers
Mexico, Central America, Caribbean	Mexico	For <i>Technical Support</i> , call: Telephone: 52-3515152599 Fax: 52-3515152599 For <i>Customer Service</i> , call: Telephone: 52-55-50-81-8425 Fax: 52-55-52-61-0893
All other Latin America countries	Argentina	For <i>Technical Support</i> , call: Telephone: 54-23-20-403340 ext 109 Fax: 54-23-20-403340 ext 103 For <i>Customer Service</i> , call: Telephone: 770-236-5662 Fax: 770-236-5888 E-mail: keillov@cisco.com



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