



How to program EEPROM in BCM4401/570x

BCM570X

To program the eeprom in engineering mode

- (1) rename the boot code to eeprom.bin and put into the same directory as b57diag.exe
- (2) Boot from DOS (Win 98 preferred) and type b57diag -b57eng
- (3) 0:>seprg -f eeprom.bin
- (4) 0:>secfg and change the settings (for example 1=00:10:18:12:34:56 to change MAC address. 24=1 to enable ASF). Remember to save the settings and write back to EEPROM.
- (5) 0:>sedump -f=eeprom.bin -l=xxxx (file size of eeprom.bin), you will get the golden eeprom.bin file
- (6) exit to DOS

To program the eeprom in manufacture

- (1) b57diag -c 0 -e b57kia -f eeprom.bin -m -T d3 (external loop back cable required). You will be prompt to enter MAC address

Or

- (2) b57diag -c 0 -e b57kia -fmac macaddr.txt -T d3 (The program will get the MAC address from macaddr.txt)

The contents of macaddr.txt as below will provide you the MAC address range from 00:10:18:11:22:38 to 00:10:18:11:22:46. You can modify the macaddr.txt by yourself.

```
mac_addr_pref  = 001018
mac_addr_start = 112238
mac_addr_end   = 112246
```



BCM4401

Program the eeprom in engineering mode

- (1) Boot from DOS (Win 98 preferred) and type `b44diag -b44eng`
- (2) `0:>sromutil -m 001018000001 14e4 8401`. MAC address 001018000001, SVID:14e4 and SSID:8401 will be programmed into eeprom. You can change to other values if necessary.
- (3) `0:>sromutil -b 0`. Disable PXE function on NIC if PXE binary image is being integrated into BIOS.
- (4) `0:>sromutil -d -feeprom.bin`, you will get your golden eeprom.bin file
- (5) exit to DOS

To program the eeprom in manufacture

- (1) `b44diag -c 0 -e b44kia -f eeprom.bin -m -T c34` (external loop back cable required). You will be prompt to enter MAC address

Or

- (2) `b44diag -c 0 -e b44kia -fmac macaddr.txt -T c34` (The program will get the MAC address from macaddr.txt)

The contents of macaddr.txt as below will provide you the MAC address range from 00:10:18:11:22:38 to 00:10:18:11:22:46. You can modify the macaddr.txt by yourself.

```
mac_addr_pref = 001018
mac_addr_start = 112238
mac_addr_end = 112246
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