VIP firmware upgrade process

Note1: You should first setup a TFTP server for the VIP-000 to download the firmware from this server.(Please set TFTP server in the same IP segment with VIP, and setup root directory of TFTP server. Do not forget to place the firmware file in the root folder of TFTP server.)

Note 2 : Older firmware version 1.xx, 2.xx must upgrade to version 2.32 (VIP-000), 2.31 (VIP-200, VIP-400) before upgrading to version 3.xx. (firmware version 2.3x can be found on our server : http://www1.planet.com.tw/FAE/ftp/VoIP/Firmware/)

Firmware upgrade process :

1. Turn Power ON

2. Enter "download"

3. VIP will prompt for reboot, type "y", and reboot VIP to firmware upgrade mode.

4. Have TFTP server ready. And type "start" in VIP.

5. Follow instructions on scrreen to complete the process of firmware load and write to VIP's
      flash memory.

6. After all the process are done, type "quit" to leave firmware upgrade mode.

7. Reboot VIP, and wait for ITG> prompt.

8. Please follow steps below to restore factory default configuration after new firmware is   loaded into machine.---> For firmware version 3.xx or later.

a) Logon VIP via telnet or console connection, and insert command: config erase

b) After this command, VIP will popup a warning message and prompt for confirmation.

c) Press "y" to erase current system configuration parameters,

d) Enter "net reset" to reboot and load the default system parameters into machine.

e) Log on VIP, and insert command: "config store" to save default parameters into machine.

Note: this will not have influence on the existing dialplan database

If firmware loaded on your VIP is prior than 2.3x, please load manufacturing default settings   via script (mfgset8l.txt) by text file transfer function of the terminal program.

10. After loading default configuration process is completed, turn VIP power OFF

11. Turn Power ON again, and firmware upgrade process is completed.

Following is the example :

Download Process
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ITG>

ITG>download

============================== WARNING
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* Entering download mode will hang up all telephone connections *

* and all the configuration settings will lose.   *

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* Be certain all the configuration settings have been saved.         *
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Do you want to enter download mode now (y/n)? [n] y-y
Boot loader V4.02
Loading TFTP loader....................
**   Internet Telephony Gateway TFTP Loader Ver 4.10   **
EITGLoader>start


IP address of the TFTP server? [192.168.0.7] 192.168.1.7
File name? itgp232.img

Starting download file: itgp232.img
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Download complete, file size = 2185804
Application code (non-pkzip'd) downloaded successfully
Do you want to write downloaded image to flash EEPROM (y/n)?   [y] y
Press <Enter> to start flash EEPROM programming
Flash EPROM programming on-going, BE CERTAIN NOT TO TURN POWER
OFF...
Flash sector no.   4 write done
Flash sector no.   5 write done
Flash sector no.   6 write done
Flash sector no.   7 write done
Flash sector no.   8 write done
Flash sector no.   9 write done
Flash sector no. 10 write done
Flash sector no. 11 write done
Flash sector no. 12 write done
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Flash sector no. 13 write done
Flash sector no. 14 write done
Flash sector no. 15 write done
Flash sector no. 16 write done
Flash sector no. 17 write done
Flash sector no. 18 write done
Flash sector no. 19 write done
Flash sector no. 20 write done
Flash sector no. 21 write done
Flash sector no. 22 write done
Flash sector no. 23 write done
Flash sector no. 24 write done
Flash sector no. 25 write done
Flash sector no. 26 write done
Flash sector no. 27 write done
Flash sector no. 28 write done
Flash sector no. 29 write done
Flash sector no. 30 write done
Flash sector no. 31 write done
Flash sector no. 32 write done
Flash sector no. 33 write done
Flash sector no. 34 write done
Flash sector no. 35 write done
Flash sector no. 36 write done
Flash sector no. 37 write done
Flash EEPROM programming completed
All sectors programmed successfully
Download another file (y/n)?   [n] y
Press <Enter> to restart TFTP download

IP address of the TFTP server? [192.168.1.7]
File name?   [itgp232.img] bl4431.img

Starting download file: bl4431.img
....
Download complete, file size = 194324

Boot loader (non-pkzip'd) downloaded successfully
Do you want to write downloaded image to flash EEPROM (y/n)?   [y] y
Press <Enter> to start flash EEPROM programming
Flash EPROM programming on-going, BE CERTAIN NOT TO TURN POWER
OFF...
Flash sector no.   0 write done
Flash sector no.   1 write done
Flash sector no.   2 write done
Flash EEPROM programming completed
All sectors programmed successfully
Download another file (y/n)?   [n] y
Press <Enter> to restart TFTP download

IP address of the TFTP server? [192.168.1.7]
File name?   [bl4431.img] dspimage.702

Starting download file: dspimage.702
....
....
Download complete, file size = 503660
DSP Image downloaded successfully
Do you want to write downloaded image to flash EEPROM (y/n)?   [y] y
Press <Enter> to start flash EEPROM programming
Flash EPROM programming on-going, BE CERTAIN NOT TO TURN POWER
OFF...
Flash sector no. 54 write done
Flash sector no. 55 write done
Flash sector no. 56 write done
Flash sector no. 57 write done
Flash sector no. 58 write done
Flash sector no. 59 write done
Flash sector no. 60 write done
Flash sector no. 61 write done
Flash EEPROM programming completed
All sectors programmed successfully
Download another file (y/n)?   [n]

Restoring System default configuration:

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ITG>config erase

The system configuration data will be erased from non-volatile storage permanently.
Are you sure to erase it (y/n)? [n] y
System configuration records erased from flash
ITG>net reset

============================ WARNING

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* Restarting the system will hang up all telephone connections   *
* and all the configuration settings will lose.   *
* Be certain all the configuration settings have been saved.   *

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   Restarting the system will terminate current Telnet session too.
   You'll need to connect to the gateway again.

Do you want to restart the system now (y/n)? [n] y
Boot loader V4.xx
Mem 32b 4M
Testing memory 8M.................
Loading application code.....................
*******   Internet Telephony Gateway (PLA)   Version 3.xx   *******

***************** Hardware Configuration *****************
 Flash: type-MX29L1611 64 sectors   64 KB/sector
 RAM: 8 MB   256K x 32
 LAN: auto-negotiation on-going. Link UP
 TIM slot A: type-FXS4   DSP-C549   codec-PEB2466   Diag-OK

TIM slot B: Not installed
****
****
ITG>config store
OK

<end of sample>

Thanks for choosing PLANET products.

Best Regards ,

PLANET Tech SupportTeam

VoIP Technical Service: support_voip@planet.com.tw