PLANET
Networking & Communication

Technical Bulletin

Document #:	TB-VIP-011024	Date:	25 October 2001
Publisher	Jimmy Lin / ENM Dept.		
Subject:	VIP Series Firmware version 3.01 upgrade		
Product:	VIP-000 / 200 / 400		
Enhancement	1. **IVR:** Allow the recording and playback of voice greeting message, to guide caller to make 2nd dialing. 2. **Dial Pause**: Expending DTMF transmit time, to solve time out problem when DTMF is sent to PBX or PSTN. 3. Reset to **manufacture default** port and profile config settings 4. Implement **ARP** table time out – to solve VIP might loss connection at Router pool environment. 5. **Automatically adjust tx vif** size based on the size of the received vif.		

Description	1. Allow the recording and playback of voice greeting message.
	
	    1.1 To record voice greeting message, press ***1 from phone set connecting to any of the port, then voice recording will start upon completing playing out a long beep.
	
	    1.2 Once recorded, voice greeting message may be played back from any of the FXS port by pressing ***2.
	
	    1.3 The length of recorded voice greeting message is 12 seconds.
	
	    1.4 Once PBX internal line (or PSTN line) connect to FXO ports, recorded voice greeting message will automatically be played out from FXO port once off-hook is detected.
	
	    1.5 Add a command "tel erase_ivr" for erasing recorded greeting message.
	
	2. Allow the setting of dial pause "," in the "atpm aadd" command.
	
	    2.1 Where "," pauses the playout of DTMF for a duration for "tone_out_on" plus "tone_out_off".
	
	    2.2 Please use **Show tcid n** to find tone_out_on" & "tone_out_off" parameters in.**Dial Out Parameters** fields
	
	    2.3 Recommend the setting of dial pause "," is in the prefix field of "atpm aadd" command
	
	3. Added manufacturing default port and profile config settings inside the GW when Flash is erased ("config erase").
	
	4. Add a CLI command "arp" allowing users to display and modify the ARP table.
	
	    Command syntax:
	
	    arp –a ; Display the whole ARP table
	
	    arp –a *ip_addr* ; Display a specific ARP entry
	
	    arp –d *ip_addr* ; Delete an ARP entry
	
	5. Automatically adjust tx vif size based on the size of the received vif.		

How To	This section describes how to update the firmware yourself.
	  1. Download the firmware file from the FTP server.
	  The file can be found in the following location:
	  `ftp://ftp.planet.com.tw/VoIP/Firmware/`
	  2. Requirement:
	  PC with RS-232 console connection to VIP.
	  PC that store the firmware file above and runs as TFTP Server, then connect to		

the LAN that with the same network domain of your VIP.

3. Start up your Console PC and execute the console program like Hyper Terminal, then power on your VIP.

Please read before beginning :

1. You should first setup a TFTP server for the VIP to download 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.)

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 FTP server : ftp://ftp.planet.com.tw/VoIP/Firmware/)
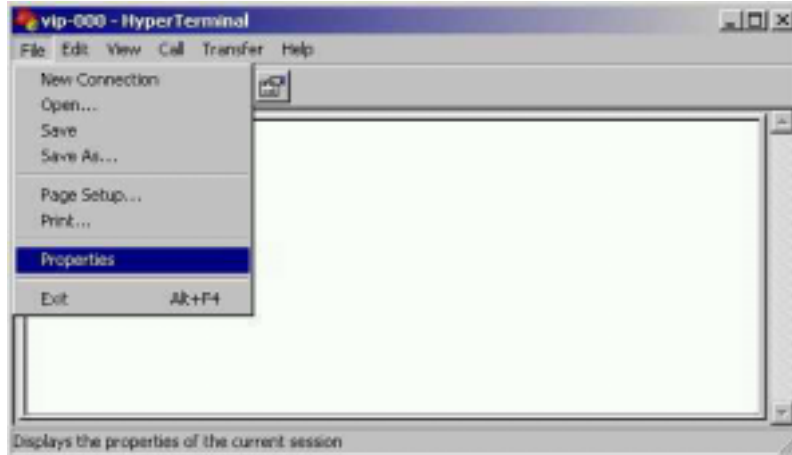
Following is the firmware upgrade process :

1. Turn VIP 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. After that, type "start" in VIP.

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

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

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

8. Be sure to load manufacturing default settings using script (mfgset8l.txt) by text file transfer function of the terminal program.
   (Please refer to "Sending text to VIP via HyperTerminal" session.)

9. After script file transmission is completed, turn VIP power OFF

10. Turn VIP on again, and firmware upgrade process is completed.
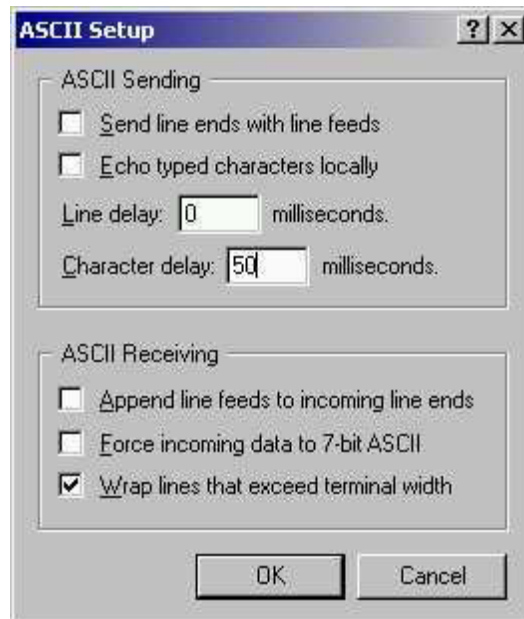
Load default script file into VIP

Start PC and execute the console program like Hyper Terminal to prepare to load default settings into VIP.
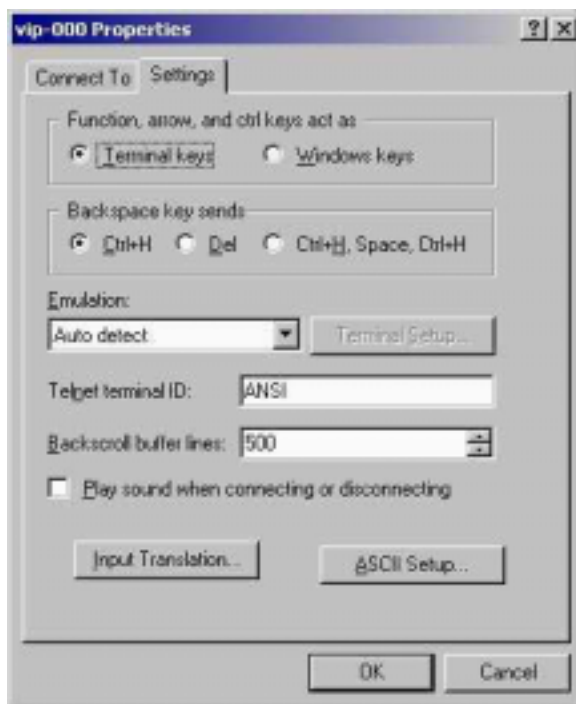
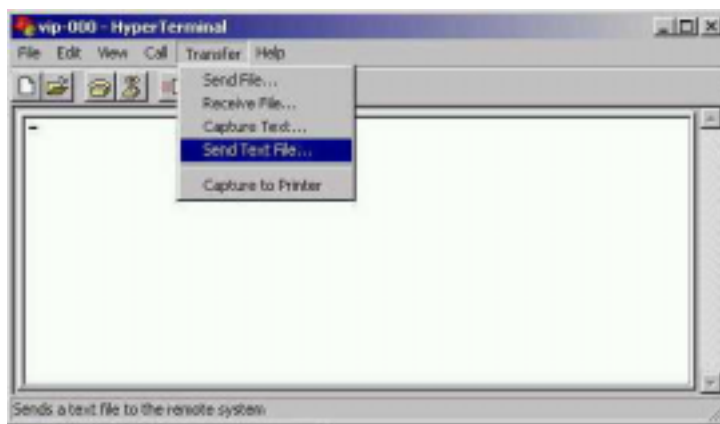1. Start HyperTerminal, then go to "File"-->"properties".

2. In file properties menu, setup character delay = 50 millisecond

3. Emulation -->Auto Detect , Telnet Terminal --> ANSI

4. Select "Tools", then "Send Text file". Browse to the folder where factory default settings file is located, select it and start transmission.

More Information	1. The latest User's Guide and release information: **ftp://ftp.planet.com.tw/VoIP/** 2. To upgrade old firmware to version 2.31 or 2.32, please refer to our technical bulletin : ftp://ftp.planet.com.tw/Bulletin/PB01215-VIP000.PDF