



ATCOM[®]

IPPBX Upgrade User Guide

Version: 1.0

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Contact ATCOM

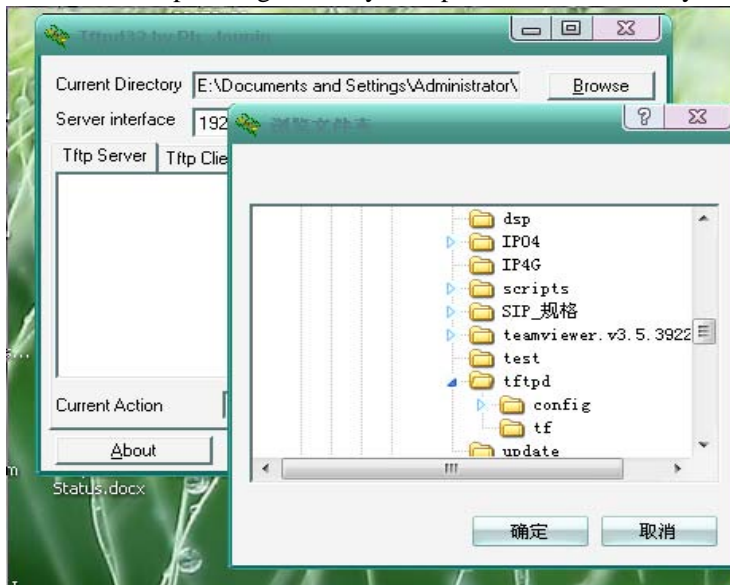
The Introduction of ATCOM

Founded in 1998, ATCOM technology has been always endeavoring in the R&D and manufacturing of the internet communication terminals. The product line of ATCOM includes IP Phone, USB Phone, IP PBX, VoIP gateway and Asterisk card.

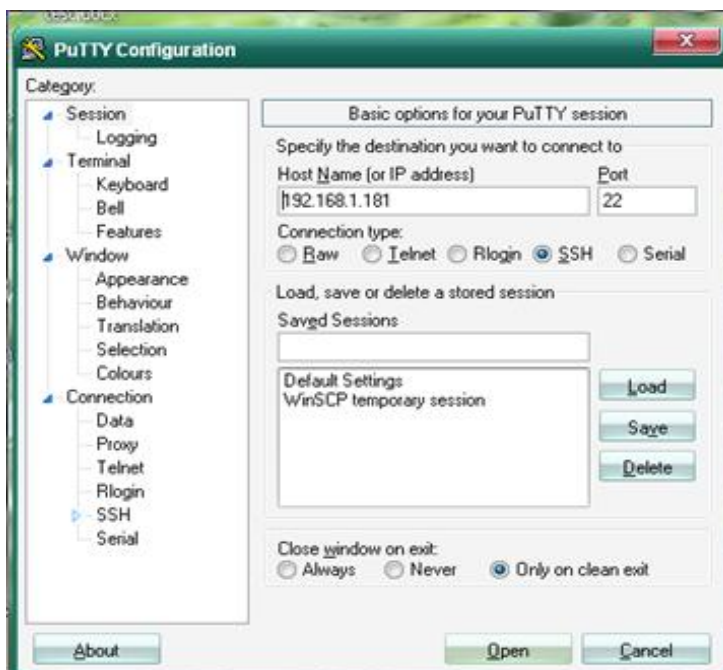
Upload Sounds & Backup files

Upload sounds files

- a) Download Tftp
Download: <http://www.atcom.cn/downloads/IPPBX/tftpbood.exe>
- b) Download Putty
Download: <http://www.atcom.cn/downloads/IPPBX/putty.exe>
- c) Tools Configuration
 1. Choose sound uploading directory as tftp server base directory



2. Putty setting



d) Login PBX with putty

Name: root

Password: 12xerXes16

```
login as: root
root@192.168.1.203's password:

BusyBox v1.4.1 (2009-11-26 14:07:05 CST) Built-in shell (msh)
Enter 'help' for a list of built-in commands.

root:~> █
```

e) Upload Sounds

1. Assume that you want to upload mymusic.alaw/mymusic.ulaw

```
root:~>cd /persistent/sounds/
root:/persistent/sounds> mkdir mymusic
root:/persistent/sounds> cd mymusic
root:/persistent/sounds/mymusic~>tftp -g -r mymusic.alaw 192.168.1.180
root:/persistent/sounds/mymusic~>tftp -g -r mymusic.ulaw 192.168.1.180
root:/persistent/sounds/mymusic~>reboot
```

2. Create New MOH, and add a new MOH in the GUI.

MOH name: newmoh

Music: mymusic.alaw, mymusic.ulaw

```
root:~>cd /persistent/sounds/moh/newmoh
root: /persistent/sounds/moh/newmoh ~> tftp -g -r mymusic.alaw 192.168.1.180
root: /persistent/sounds/moh/newmoh ~> tftp -g -r mymusic.ulaw 192.168.1.180
root: /persistent/sounds/moh/newmoh ~> reboot
```

Upload backup file

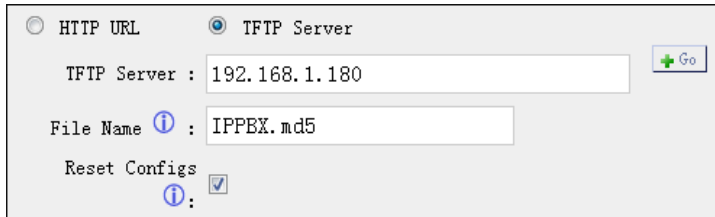
Assume that the backup file is backup_2010testjisd2010jan15.tar

```
root:~>cd /persistent/var/lib/asterisk/gui_backups/
root:/persistent/var/lib/asterisk/gui_backups> tftp -g -r backup_2010testjisd2010jan15.tar
192.168.1.180
```

Upload System ulmage

Download image from a TFTP Server

a) Use IPPBX GUI to download image



HTTP URL TFTP Server

TFTP Server : 192.168.1.180

File Name ⓘ : IPPEX.md5

Reset Configs ⓘ:

b) Use putty or minicom

```
root:~> cd /persistent/imageupdate/  
root:/persistent/imageupdate> tftp -g -r IBPBX.md5 192.168.1.180  
root:/persistent/imageupdate> mv IBPBX.md5 ulmage  
root:/persistent/imageupdate>reboot
```

Download image from a HTTP Server

HTTP setting on IPPBX GUI

Atcom download server: <http://www.atcom.cn/downloads/IPPBX/Firmware/IPXX.md5>



Download image from a :

HTTP URL TFTP Server

HTTP URL : http://www.atcom.cn/downloads/IPPEX/

Reset Configs ⓘ:

Notice:

Select reset Configs if you wish to reset to factory defaults. This will ensure a clean update, and is highly recommended

Upload image

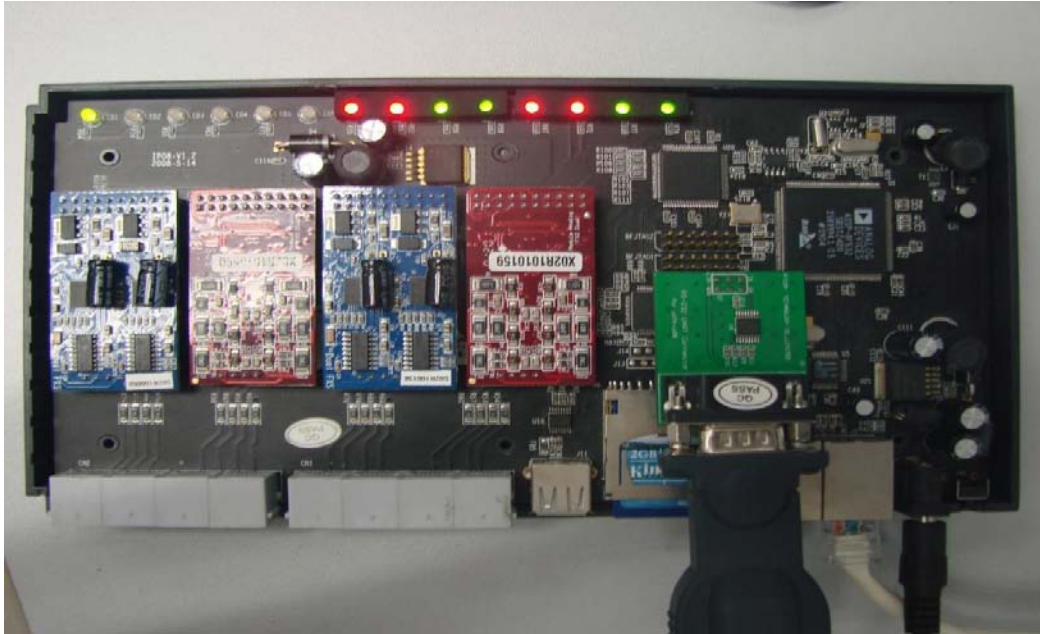
For this procedure, you'll need the following:

- A modem cable (direct RS232)
- A serial port on your PC
- A serial console client (eg. PuTTY for Windows or minicom for Linux)
- A TFTP server (eg. Tftpd32 for Windows)

1. Download the firmware(download firmware: [IP01/02/04/08](#) and place it in your TFTP

server's repository

2. Remove the top cover from the IP0x and install the small RS232 daughter board which was included in the package on J8 as shown below (if there's a jumper here remove it temporarily, and be sure to place it back once done or the unit might not boot).



3. Configure your client application to use 115,200 baud, 8 data bits and no parity. Also make sure Hardware Flow Control is turned off, and that you're using the correct port (minicom might be set to use /dev/tty0 by default instead of /dev/ttyS0)
4. Connect the RS232 daughter board to your PC with cable
5. Power on the IP0x
6. Press Enter when you get the prompt 'Hit any key to stop autoboot'
7. Enter the following commands

```
ip04>setenv autostart
ip04>setenv ipaddr xxx.xxx.xxx.xxx
ip04>setenv serverip xxx.xxx.xxx.xxx
ip04>save
ip04>tftp 0x1000000 IPPBX.ext2
```

```
ip04>set serverip 192.168.1.181
ip04>set ipaddr 192.168.1.184
ip04>tftp 0x1000000 voiptel_ce_ip04-test66666.ext2
dm9000 i/o: 0x20100000, id: 0x90000a46
MAC: 00:09:45:56:f1:8c
operating at 100M full duplex mode
Using DM9000#0 device
TFTP from server 192.168.1.181; our IP address is 192.168.1.184
Filename 'voiptel_ce_ip04-test66666.ext2'.
Load address: 0x1000000
Loading: #####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
```

```
ip04>nand erase clean
```

```
Erasing at 0xffe0000 -- 100% complete. Cleanmarker written at 0xffe0000.
OK
```

```
ip04>nand erase
```

```
Erasing at 0xffe0000 -- 100% complete.
OK
```

```
ip04>nand write 0x1000000 0x0 0x700000
```

```
ip04>nand write 0x1000000 0x0 0x700000
NAND write: device 0 offset 0, size 7340032 ... 7340032 bytes written: OK
```

```
ip04>setenv autostart yes
ip04>save
ip04>reset
```