# Centrality PA168F IP Phone Introduction

This manual outlines the differences between the Centrality PA168F IP phone and the earlier PA168B/C/E IP phones, and should be regarded as a supplement to the PA168B/C/E manual. The details below are current for version 1.36 firmware.

- **Supervisor password:**

  The Centrality PA168F IP phone has two passwords: a super password and an ordinary user password. The default user password is 1234, whilst the default super password is 19750407. The super password for some PINGHE phones may be different, in which case please check the manual or consult your phone provider.

  In the setup page, when the **Debug** field is set to **0 [disable]** the PalmTool program cannot connect to the phone. When using HTTP or Telnet to set up phone parameters, the user password allows only the following fields to be set:

  1. Network Settings:
     iptype, ppp id, ppp pin, local ip, subnet mask, router ip, dns and dns2
  2. Protocol Settings:
     nat traversal, nat addr, phone number, account, rtp port, register port, signal port and control port
  3. Phone Settings:
     answer, ring type, forward number, fwd always, fwd noanswer, fwd poweroff and fwd busy
  4. Other Settings:
     password (user), upgrade address, sntp ip, use daylight and timezone

  Modification to all other parameters requires the supervisor password.

- **Increased Flash memory:**

  The Flash memory of the Centrality PA168F IP phone has been increased from the 256K provided in earlier phones to 512K, allowing it to contain both G.723 and G.729 codecs simultaneously. The user can therefore designate the preferred codec via Telnet, PalmTool or web browser without updating the firmware.

- **New added telnet commands:**

- **ping**: In the telnet window, by typing 'ping xxx.xxx.xxx.xxx' （an IP address) and carriage return (Enter key), the result will be displayed. If the address is effective, "ping OK" will be seen. If the address is ineffective, nothing will be seen. For example:

  **P:\>ping 203.93.9.57**
  **P:\>**
  **ping OK**
  **P:\>ping 27.56.120.56**
  **P:\>**

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✎**Note:** Usually, the echo time of a ping command is no more than 1 second. So if the result is not displayed in 5 seconds, the ping command has failed.

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- **ftp:** In the telnet window, by typing 'ftp X' and carriage return, the system will connect to the configured FTP server address to get an update file.

X=0: Connect to an FTP Server to get the update program and save it to the SDRAM of the phone. The file can then be read by PalmTool. This operation is mainly for test purposes.

X=1: Connect to an FTP Server to get the update program and update the Flash. This operation updates the phone's firmware.

X=2: Connect to an FTP Server to get the digit map and update the Flash. This operation updates the dialing rules.

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✎**Note:** When using ftp 0 and ftp 1 commands, if the file received from the FTP server is very large or the net speed is too slow, then the process will not be visible in the telnet window. Please be patient. Using ftp commands in telnet to get files takes almost as much time as getting a file via dialup modem. If nothing happens after a very long time, it means that the ftp has failed.

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The English language version of this manual was revised on 1 July 2004 by Rob Judd judd@ob-wan.com

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