Firmware update Signamax VoIP gateway 065-9051

I. NEW FIRMWARE VERSION

There is released new firmware version 151_071002 for VoIP gateway 065-9051 (below only gateway) which fixes detected bugs and problems in older firmware versions. These are some examples:

- bad interoperability with SIP server
- failure boot sequence
- strange telnet keyboard emulation
- frozen unit

In light of stability is strongly recommended to update unit to the new firmware version.

II. UPDATE PROCESS

This update install manual is designed for computers with MS Windows XP and MS Internet Explorer.
This text is addition to original user manual.

HW installation

- through the use of power adapter connect the gateway to electrical power network
- press over 5 seconds **Reset** button to return factory default configuration
- connect data cable (Ethernet RJ-45) to computer network interface controller (NIC) and to gateway connector named **PC**
- to **Phone** connector on gateway connect your analog telephone
- there should be light PC, Phone and Power LED diodes after pick up the headphone

Preparing for update

- from **www.intelek.eu** → **eSHOP** → **SUPPORT** → **Files to download** → **Firmware** download **Firmware Signamax 065-9051 v071002 package** to your computer
- run the downloaded archive and install files to destination directory, default is **C:\fw_065-9051_package**
- after installation is automatically launched adjusted TFTP server (if destination directory was changed during installation it demands change too in TFTP server in **Current Directory** item)
- in S**tart** → **Settings** → **Network Connections** → `current connection´ → **Properties** → **Internet protocol (TCP/IP)** → **Properties** → **Use the following IP address** set NIC to static IP address **192.168.123.X** (X must be in range 1 to 254, without 123, e.g. **192.168.123.<u>101</u>**), mask **255.255.255.0** (eventually use dynamic obtaining address DHCP, see page 12 to 18 in original manual)

Update process

- run MS Internet Explorer, insert access address to gateway management (default is **192.168.123.123**)
- insert login information (login: **root**, password: **nothing**)
- in **Advanced Configuration** choose **Device Management** and here **Software Upgrade**
- here it needs to be set:

Download Mode	**TFTP**
TFTP/FTP Server IP Address	**192.168.123.101**
FTP Login	
Target File Name	**151_071002.bin**
Target File Type	**Application Image**

- after that click **OK** button

- consequently is shown information about clean Flash memory `**Please issue FLASH CLEAN to consist software version**´
- in **Advanced Configuration** choose **Device Management**, here in **Flash Clean** item click **FLASH CLEAN** button to clean Flash memory
- after showing `**Flash Cleaned!! Please reboot your system!!**´ is required to load new firmware by clicking on **REBOOT** button in **Reboot** item
- new firmware is loaded about 20 seconds
- close and reopen web browser window and login to the gateway management
- in **System Status** and **Version Information** verify new firmware version

III. TROUBLESHOOTING

Although the update install manual is designed to maximal simplicity and plasticity, sometimes can occurs complications during firmware update. There is some situation and (solutions) below.

- TFTP server is not running → (run tftpd32.exe application)
- checked `**Use Tftpd32 only on this interface**´ option in `**Settings**´ window of TFTP server → (cancel this checked item)
- incorrect path to update file → (set correct path to update file in `**Current Directory**´ option of TFTP server)
- incorrect NIC IP address → (set IP address in range 192.168.123.X, see `Preparing for update´ section)
- after FLASH CLEAN or REBOOT action doesn't occur page refresh for a while → (need to manually operated page refresh)

IV. TIPS

- for firmware update process is recommended connect only computer and power adapter to the gateway
- use telnet console interface if firmware update process is unsuccessful in web interface

  - **Start → Run… → cmd**
  - commands: `telnet 192.168.123.123`
    login information
    `rom –method 0`
    `rom –app –s 192.168.123.101 –f 151_071002.bin`
    wait for update finish
    `flash –clean`
    after about 20 seconds login again
    `rom –print`