What's New

Firmware R1N89

Issues fixed in this firmware version:

- If watchdog feature is enabled and the SIM PIN code is activated, during a reboot of the 3G modem by the watchdog, a double sending of the AT command AT+CPIN=xxxx could cause a crash of the modem firmware. This issue is fixed in this firmware release.
- Resolved a HSUPA upload at high speed issue which could crash the 3G modem.
- Voice modem is properly re-initialised after a 3G modem reset.
- Resolved a lost of setup during device boot. Previously after retrying 3 times booting the device, the firmware will reset the settings to factory default. Now the device will continue to boot until a successful boot is reached.
- Hardware reset to factory settings can now be achieved by pushing on the reset button BEFORE powering on the GlobeSurfer if the device fails to boot and end up in a dead booting loop.
- Accumulated data counter is now reset correctly at the fix date set up in the GUI.
- The accumulated counter now counts more precisely in discarding some unrelated traffic.
- A manual accumulated counter reset is added at the home page in the accumulated counter section.

Firmware R1N88

- This firmware version fixes an issue for device produced between February 2011 and November 2011. These units do not support voice codec AMR wide band and could have strange behaviours in operating an analog telephone.

Firmware R1N87

- This firmware version fixes an issue that prevented the GlobeSurfer from properly recognising SIM cards without a PIN2 code.
- The IPsec client no longer enforces the peer ID. This fixes an issue where it was not possible to connect to a VPN gateway behind a NAT router.
- This firmware has added in the SMS support the Data Coding Scheme F1.

Firmware R1N84

There are two new features in this firmware revision R1N84

- Connection watchdog
- Remote device control by SMS

Firmware can be downloaded with the following link:
http://www.option.com/en/support/software-download/gs3plus/

Connection watchdog

Many of the GlobeSurfer installations are in remote sites where there is rare or no human presence. The device has to be remotely accessible 24/7 without interruption. A watchdog feature to monitor the connection will highly increase the reliability of the network connection and will decrease the frequency of on site human intervention.

The way how it works is that if the modem is not receiving data after a pre-defined idling period, the Connection Watchdog will do domain name look ups to the DNS server of the service provider. If this operation fails, the 3G modem will be reset and the firmware will try to re-establish the connection.

Please refer to Reference Manual paragraph 3.6.4 for detail setup of this feature. The revised Reference Manual can be downloaded from the following link:
http://www.option.com/en/support/software-download/gs3plus/

Remote device control by SMS

As a complement to the Connection watchdog feature, the remote device control by SMS can further enhance the availability of the device.

In case the GlobeSurfer gets blocked due to unknown reasons, with the existing setup, the only way to remediate the connection is to manually power off and on again. This needs on site human intervention. In case the device can still respond to SMS, this feature can remotely restart the device by sending a SMS with the REBOOT command.

With this feature, the device can also achieve connection on demand through the START and STOP SMS commands. Principal applications are:

- Security – network is only accessible by authorised people.
- Traffic limitation – traffic is only established during desired period.

Please refer to Reference Manual paragraph 3.6.5 for detail setup of this feature. The revised Reference Manual can be downloaded from the following link:
http://www.option.com/en/support/software-download/gs3plus/