

# Wideye™ SABRE™1 Remote Terminal Firmware Version R62.4.6 Information Bulletin (1 November 2012)

## Firmware download information

1. Download the firmware version SBR062.4.6 from any one of the following websites:
  - <http://www.inmarsat.com/Support/BGAN/>, click on “**Firmware**” to go to the firmware download page, or
  - <http://www.wideye.com.sg/>, click on “**Support > Downloads > Firmware > Sabre 1 Remote**” to go to the firmware download page.
2. Use the Wideye SABRE Firmware Upgrade Utility to upgrade the firmware. You can obtain this either
  - from the product CD supplied with your SABRE-1 REMOTE, or
  - extract it by unzipping the firmware package downloaded as part of step 1.
3. Read and follow the instructions in the document ‘**SABRE-1 REMOTE Firmware Upgrade Procedure**’, downloaded as part of step 1. This explains how to install the new firmware using the Upgrade Utility.
4. After firmware upgrade is completed, please perform ‘factory reset’ before using the terminal.

**NOTE: This Firmware release should be installed only on Wideye™ SABRE-1 REMOTE terminals.**

## Enhancements and fixes in this release

The enhancements and bug fixes to this release (compared to earlier release R60.2.7) include the following:

- Enhanced the WebConsole with improved user features and status icons.
- Enhanced the Auto PDP context activation process with fail-safe mechanisms built in.
- Enhanced the bearer loss recovery mechanism with better resilience to momentary loss of signal.
- Included a user configurable “Remote Access” feature for remote control and monitoring.
- Included a user configurable sender list of 5 authorised phone numbers for remote SMS commands.
- Included an administrator configurable multi-user access control for WebConsole with up to 10 different standard user access (excluding the admin user access)
- Included voice call related supplementary service access via WebConsole.
- Included enhancements to make the WebConsole admin user access password as changeable with maximum length of 16 alphanumeric characters.
- Included enhancements in Port Forwarding feature to set a range of ports instead of setting them individually.

- Included an enhanced Event and Error logs which can be exported to a .CSV file for improved remote diagnostics.
- Included enhanced exception handling to offer improved system reliability for M2M operation.
- Included improved health monitoring and user configurable watchdog mechanisms for improved reliability and availability for unmanned M2M operations, which include:
  - Ping based IP watchdog to ensure data connection reliability for Router Mode (Multi-User)
  - Data activity based IP watchdog for enhanced connection availability (for all modes of operations)
  - Timer based watch-dog with forced reboot upon timer expiry for recovery from unforeseen conditions (for all modes of operations).
- Included enhancements to have easy access to “Safe” mode.
- Included a safe recovery mechanism when the WebConsole admin password is forgotten.
- Included enhanced handling of SMS commands including SMS acknowledgement for all SMS commands with the ability to turn on and off the SMS acknowledgements.
- Included the capability to change the TCP port for remote access of WebConsole, This is to allow remote access of the WebConsole using different port number and host a web server behind the SABRE-1 REMOTE on the native port 80.
- Included option to read and change the default APN value via SMS Commands.
- Included improvement to clear the SMS composer content and phone numbers after a SMS has been successfully sent.
- Included retry mechanism for checking PIN status (at+cpin) to avoid "error executing at+cpin, response: ERROR" error message box when starting Web console.
- Included improvement to port forwarding settings such that the changes are saved immediately upon selecting 'apply'.
- Fixed a bug that causes the port-forwarding settings not saved and/or not taking effect in some cases.
- Fixed a bug that causes the APN settings not saved sometimes.
- Fixed a bug that causes the “auto PDP activation mode” to change to “manual PDP activation mode” upon receiving SMS activation command.
- Fixed a bug that causes the Primary Profile configuration on WebConsole being retained during factory reset.
- Fixed bug that causes "Auto network registration upon power on" on WebConsole under "Setup > Terminal Info" is not in-synch with similar setting on other WebConsole page.
- Fixed a bug that causes phonebook records sometimes cannot be deleted.
- Fixed a bug that causes WebConsole not able to decode certain types of received SMS.
- Fixed a bug that causes Web console banner icons sometimes remained grey after bearer found.

**NOTE:** Please contact [support@wideye.com.sg](mailto:support@wideye.com.sg) for more details on any of the information stated in this firmware Information Bulletin.