

Release notes for STEPP and STEPP II Firmware

Stepp_1.8.19.s

- SMS functions has been changed to support unsent SMS.
- Similar controlling of fix indicator in RMC & GGA has been implemented.
- Initialisation of start time and report (Start and End Date/Time) for history has been improved.
- Default almanac has been updated to week 1341.
- GSMRESET was not working during history downloads.
- The computation speed for periodic messages was not working.
- The stored time of GPSFIX for invalid positions (Last Valid Position) has been re-implemented.
- Index for binary extension has been changed to 0xff.
- Sampling in the analog input has been changed from 200ms to 1000ms.
- Setting key parameter has been fixed.

In the previous version if the user sets the STEPP or STEPP II by: **&CNF UNIT KEY1=S012345678,Text,ROCIOP,2**, which means the device sends alarm when Key 1 goes from High to Low, sometimes the selected Flag (in this example it is **2**) couldn't be recognized during the initialization, and the STEPP initializes the command without a flag (such command without a flag at the end means send alarm when the key goes from Low to High).

stepp_1.8.15.s

- &REQ POS uses protocol settings from MSG. Example:
After sending &REQ POS 4,0,0,0,0,0,0,RMCIOP to the device, the device will answer with "OK". After this configuration the user only needs to send &REQ POS (without parameters) and the STEPP/STEPPII will send the selected protocols (e.g.: RMC and IOP)
- GSMRESET for GSM data connection timeout has been added
- use more precise setting of the validity indicator in NMEA protocols and history
- use the stored GPSFIX for invalid positions

stepp_1.8.14.s

- The FW 1.8.14 is based on SiRF FW 2.3.2
- The flag in the Last Valid Position (LVP) is "V" instead of "S"
- If the STEPP restarts during while it delivers the LVP, the STEPP/II will deliver the protocols with 0000 (no information). You can poll the LVP by using the command **&REQ CNF** or **\$PSRF108,CNF*49**
- In case of no valid satellite signals the time/position for history events is used from last History time
- Displaying of SMS text of non commands has been fixed
- Alarms for Master-Region have been changed:
The STEPP/II sends the pre-defined Text with the coordinates when it enters the Master-Region and it sends GEO-ALARM 0 when it exits the Master-region.
- GSMRESET has been removed
- GPSRESET has been removed

stepp_1.6.10.s

- Static Navigation has been enabled
- Dead Reckoning (DR) Timeout has been changed to 1 sec.
- Reset timer for the WAVECOM module by using AT+WRST has been implemented. The user can configure it with &CNF UNIT GSMWRST=<min> ***Wavecom specific reset counter in minutes (default 24h)***
- Disable outgoing messages for GSM fieldstrength below 8
- GSMCALL function has been removed
- GPIO5 is not more visible in the GPIOP protocol

STEPP_V1.6.7_140205.s

- fixed a timing bug in SMS sending command
- increase buffer for storing unsent messages to 8KB
- performing baudrate detection loop during init
- using initialisation with AT+CLIR after valid registration
- increased timeout for AT+CMGD for SIEMENS

STEPP_V1.6.6_141204.s

- The Almanac data will not be transmitted via SMS after sending the command &REQ CNF. In the FW **STEPP_V1.6.5_291104.s** the STEPP II will transmit a huge amount of SMS messages after sending &REQ CNF which include the Almanac data.

STEPP_V1.6.5_291104.s

- Initialisation sequence to MC55 GSM core in STEPP II adapted
- Default almanac and almanac storage to flash added
- Extended syntax for '&cnf watch XXX' SMS command
- Displaying incoming SMS in GPGSM protocol
- Absolute history time stamp (started from 22.1.1999) fixed
- Watchdog impulses to GPIO1 for STEPP II added
- Default GPSRESET is changed to 'H'otstart (time 10min)
- Advanced GPSRESET with different reset modes (configurable)
- Macronix memory driver adapted

Version V1.6.2_140904.s

- FLASH_MX69LW1641 into flash driver added.
- Restart modem initialisation after receiving ^SYSSTART for XF55.
- Timing for '+++' escape sequence changed.
- Some debug messages inside gsm and history code removed.
- Set GIO5 to High to activate the IO driver on STEPP II.
- Fixed coordinates initialisation for 'S'tored navigation.

Version V1.6.0_130804

- Handling of internal I/O buffers has been optimized.
- Saving incorrect date of GPS protocols in history has been fixed.
- Displaying of incoming standard SMS (no configuration SMS) in protocol GPGSM if GPRMC was deactivated.

Version 1.6RC6_290704

- GSM commands are adapted to the MC55/MC56.