



XT55

Siemens Cellular Engine

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Release Notes

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XT55 Siemens Cellular Engine

1 Preamble

This Release Note introduces **XT55 Release 01.00a**. The document describes problems known of the present version.

1.1 Related documents

- [1] XT55 AT Command Set
- [2] XT55 Hardware Interface Description
- [3] XT55 GPS Command Specification
- [4] XT55AVL Software User's Guide
- [5] XT55 TCP/IP Software User's Guide
- [6] XT55 GPS Start-up User's Guide
- [7] GSM/GPS Evaluation Board Description
- [8] GPRS Startup User's Guide
- [9] Remote-SAT User's Guide
- [10] Application Note 16: Upgrading Firmware
- [11] Application Note 14: Audio and Battery Parameter Download
- [12] Application Note 02: Audio Interface Design
- [13] Multiplexer User's Guide
- [14] Multiplex Driver Developer's Guide for Windows 2000 and Windows XP
- [15] Multiplex Driver Installation Guide for Windows 2000 and Windows XP
- [16] Application Note 22: Using TTY / CTM equipment
- [17] Application Note 24: Application Developer's Guide

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<http://www.siemens.com/wm>

2 Known problems

The following chapter contains a list of known problems and provides workarounds where appropriate.

2.1 GSM part of the XT55 module

Item / Category	Problem / Workaround
Using "+CREG URCS" on more than interface / MUX channel	<p>If the "+CREG" URC was activated (AT+CREG=1 or 2) on ASC0/MUX1 and other interfaces too, and then deactivated (AT+CREG=0) on ASC0/MUX1, its presentation will also be disabled on all other interfaces (ASC1, MUX2, MUX3).</p> <p>A similar error occurs when AT+CMER is activated on ASC0/MUX1, and "+CREG" URCS are disabled on ASC0/MUX1, but enabled on ASC1 or MUX2/MUX3: In this case the "+CREG" URC also fails to appear on those interfaces where the its presentation was enabled before.</p> <p>Workaround: To benefit from "+CREG" URCS on other interfaces than ASC0/MUX1 we recommend that you enable their presentation on ASC0/MUX1, too.</p>
Usage of flow control if autobauding is enabled	<p>If the serial interface is configured to use autobauding (AT+IPR=0) and software flow control (ATQ1), it is possible that reading a complete phonebook is aborted and the serial interface is blocked.</p> <p>Workaround:</p> <p>Choose hardware flow control ATQ3 instead of software flow control.</p>
AT+CLIP	<p>If the URC "+CLIP" is enabled with AT+CLIP=1 and stored to the user profile with AT&W, the setting will be loaded after restart, but will be used only for voice calls. In the case of data or fax calls, the URC will not be presented.</p> <p>Workaround:</p> <p>If the module is required to run with CLIP enabled, AT+CLIP=1 must be issued each time ATZ or AT&F is executed or the module restarted.</p>
Fixed dialing numbers	<p>If the FDN (fixed dialing numbers) feature is enabled, all dialed numbers are checked to comply with one of the two address types <type>=129 (unknown) and <type>=145 (international).</p> <p>If the inserted SIM card contains phonebook entries stored with address types other than 129 and 145, the concerned numbers cannot be dialed.</p> <p>Workaround:</p> <p>When using the FDN feature, make sure that</p> <ul style="list-style-type: none"> • phone numbers stored in the "FD" phonebook conform to type 129 or 145 • strings for controlling Supplementary Services stored in the "FD" phonebook conform to type 129.

Item / Category	Problem / Workaround
AT+COPS	This command (test, read & write) will now only be accepted by the module after a valid PIN has been entered

2.2 GPS part of the XT55 module, additional software and GSM/GPS evaluation board

Item / Category	Problem / Workaround
TCP/IP software	Currently the GPS functionality cannot be used in connection with TCP/IP software.
Flashing of TCP/IP and AVL software	For the flashing process of the AVL and TCP/IP software into the XT55 module refer to [6]. If you need further assistance please contact Siemens AG.
AVL software	<ul style="list-style-type: none"> • Change SIM card To change the SIM card while using the XT55 AVL software the instruction given must be followed: <ul style="list-style-type: none"> • Enter the PIN code of the <i>new</i> SIM card using the "\$PSRF112,30,<newPIN>*checksum<CR> <LF> command • Switch to command mode using AT#1 • Enter AT^SMSO to turn off XT55 • Remove the inserted SIM card • Insert the new SIM card • Switch on the XT55 module • Responses for PSRF commands Please note that there are no responses for the PSRF commands 103 and 109.
Standard GPS software	The 2nd serial GPS interface (SD2) permanently receives AT commands and the RTCM protocol which should be supported has been disabled. A description how to enable the RTCM protocol can be found in [3].
GSM/GPS Evaluation Board	There is an error in the labels on the XT55 module adapter board PCB, GPIO 13 and GPIO 15 are reversed.