RELEASE NOTE

Open AT® SDK V4.11

Revision: **001**
Date: **December 2006**

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Open AT® SDK V4.11 Release Note

Reference: **WM_DEV_OAT_DVD_221**
Version: **001**
Date: **December 06, 2006**

Document History

Revision	Date	List of revisions	
001	December 06, 2006	Creation	

Contents

1 Introduction

1.1 Abbreviation

CSD: Circuit Switched Data

1.2 Related Documents

[1]	ADL User Guide for Open AT® V4.10	WM_DEV_OAT_UGD_019
[2]	Open AT® IP Connectivity Development Guide	WM_DEV_OAT_UGD_021
[3]	FW 6.61 Release Note	WM_DEV_OAT_DVD_201
[4]	Open AT® GTi User Manual	WA_DEV_GTI_UGD_001-004
[5]	Development Kit User Guide	WM_DEV_C-GPS_UGD_001
[6]	eRide GPS Core Interface	WM_DEV_C-GPS_IFS_003
[7]	Open AT® GTi V720 Customer Release Note, preliminary version	WA_DEV_GTI_DVD_014
[8]	Open AT® SDK V4.10 Customer Release Note	WM_DEV_OAT_DVD_197

1.3 Delivered Version Definition

This definition lists all the modifications since the Open AT® SDK V4.10 release.

1.4 Correction Severity Levels

The *Severity* values have the following meaning:

- 1: Critical
- 2: Major
- 3: Minor

1.5 Open AT® SDK V4.11 Content

- Open AT® IDE V1.02 built on Eclipse™

- Open AT® OS V4.10

- Open AT® FW V6.61

- Wavecom TCP/IP and Internet V1.10 Plug-Ins

- Open AT® GTi V720 Plug-In

- Open AT C-GPS V100 Plug-In

2 Open AT® SDK V4.11 New Services & Modified Interfaces

2.1 Open AT® GTi Plug-In

Open AT® SDK V4.11 supports the Open AT® GTi V720 Plug-In, usable to design graphical applications. This version is a preliminary one. For more information, please refer to the Open AT® GTi documentation [4] and [7].

2.2 Open AT® C-GPS Plug-In

Open AT® SDK V4.11 supports the Open AT® C-GPS Plug-In, usable to handle a GPS service. For more information, please refer to the Open AT® C-GPS documentation [5] and [6].

3 Open AT® Firmware V6.61 Update

3.1 Delivery

Open AT® Firmware V6.61 is delivered on the SDK for all Open AT® compatible Wireless CPUs.

As there is no specific Wireless CPU versions designed for specific countries, the firmware delivery directory is Firmware.

3.2 Corrections

Please refer to the Open AT® Firmware V6.61 full release note (see document [3]) for more information on AT commands related new features and corrections.

4 Open AT® IDE V1.02 Update

4.1 Introduction to Open AT® IDE V1.02

Now built on Eclipse™, this IDE will allow any Open AT® Developer to choose either Visual.net or Eclipse™ framework to develop its Open AT® applications.

4.2 New Features

Id	Severity	Description (What / When)	Interface Change
NEW36161	4	New -copy option for wmnew script, usable to locally copy source files on a new Open AT® project creation.	Yes

4.3 Corrections

Id	Severity	Description (What / When)	Interface Change
CUS35920	1	When a SDK is installed for the first time on a system, an error message box (about WmOatSettings.exe) is displayed. However, the SDK is correctly installed, even if the project files (.scs) are not associated with the Open AT® Project Wizard application (Running one time the Open AT® Settings application will solve this issue).	No
ANO35881	2	When the GCC ARM compiler is used, generated application binaries' size can not be larger than 512 KBytes.	No

5 Open AT® OS V4.10 Update

For more information, see the Open AT® SDK V4.10 Release Note [8].

6 Plug-Ins Update

6.1 Open AT® TCP/IP and Internet Plug-Ins

For more information, see the Open AT® SDK V4.10 Release Note [8].

7 Restrictions & Known Problems

7.1 Known Problems

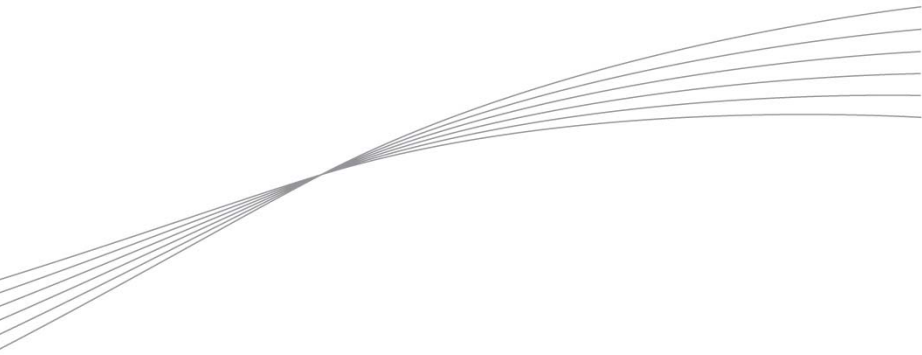The Open AT® OS V4.10, IDE V1.02, and SDK V4.11 known problems are as follows:

Id	Description (What / When)
ANO33005	After have performed a GPRS connection with an external application (using atd*99***1#), AT commands do not answer anymore until the ATH command is used.
ANO35829	When an Open AT® application is running, after a reset (AT+CFUN=1), +WIND: 0/13/13/14 indications are returned to external application even if this application doesn't sent AT+WIND=<value>. These indications should not be returned (only internal to OAT).
ANO35824	When verbose mode is deactivated with an OAT application, concatenated commands cannot be sent to the Wireless CPU.
ANO36016	After have been succesfully subscribed, if the SCTU service is unsubscribed two times with the same handle, the Wireless CPU resets.
ANO32243	User can't use adl_atCmdSubscribe to subscribe to a command beginning by "ATA", "ATD" or "ATH" when call service is used.
CUS32244	It is not possible to filter all AT commands when FCM, Call and/or SIM services are running.
ANO33441	Memory release error occurs in ADL AT commands process, when a huge number of bad formatted AT commands are sent from an external application.
ANO35143	This is a limitation of the chip used. This limitation depends of the chip used by the customer. The customer has to refer to the chip's documentation.
ANO35629	A GPIO is firstly subscribed as an output, but requiring a polling process. If it is set as an input (using SetDirection), INPUT_CHANGED events are never generated. If it is firstly subscribed as an input, INPUT_CHANGED events are correctly generated, even after a direction change.
DEV35546	The Application Download sample is not documented. There is no way to know how the supplied AT commands are working.
ANO35826	If some special characters are used for project name (&,|) in the Wizard, the project creation fails.
ANO36483	It is impossible to debug a WIP based application using RTE on eclipse plateform (it is only available using Visual C++). IDE has to be updated in order to manage RTE libraries either for Visual C++ environment, or for Eclipse/MinGW one.

7.2 Open AT® TCP/IP and Internet Plug-Ins Restrictions

Id	Description (What / When)
ANO35261,	When connecting 2 modules (DCE) with null modem cable, if WIND indications and echoes are enabled on the concerned serial port, then module enters in an endless loop of "watch dog" reset. This is systematically the case with default configuration and one Open AT® application.
ANO35165	Call events are not forwarded when GSM bearer is connected (even if ADL_CALL_FORWARD is called in a call service subscription).
DEV35670	In some cases including FTP file transfers, the events are not sent to the right channel. This might break some event handlers.
DEV36032	FTP sample application makes the Wireless CPU reset if AT+WIPCFG? is used prior to entering PIN code. This happens also when Wireless CPU cannot attach to the GSM network (+CREG:0).
ANO36133	When trying to use the wip_renameFile() API, the specified file is not renamed as requested.
DEV36067	Calling wip_close on a ping channel (if the associated ping was done with an alpha numeric IP @) will result in a Wireless CPU reset.
ANO36118	Using AT+WIPCFG? command in FTP sample makes the target block unless w.e2p file is downloaded again. Be careful, AT+WDWL is no more available when blocked.
ANO36119	Using AT+WIPCFG=2,x,y,z command in FTP sample returns "ERROR" and has no effect. => No way to configure dynamically GPRS connection settings (APN, user name and password).
ANO36120	Using FTP sample, it is not possible to transmit more than 1,5 Kbytes at a time.
ANO36397	It is impossible to debug a WIP based application using RTE on eclipse platform (it is only available using Visual C++).
ANO34893	When connecting 2 modules (DCE) with null modem cable, if WIND indications and echoes are enabled on the concerned serial port, then module enters in an endless loop of "watch dog" reset. This is systematically the case with default configuration and one Open AT® application.

7.3 Open AT® C-GPS Plug-Ins Restrictions

Id	Description (What / When)
DEV36673	In RTE mode, performance is LOWER than target mode.

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