CUSTOMER RELEASE NOTES

Open AT® GTi V720

Revision: **002**
Date: **November 2006**

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Open AT® GTi V720 Release Note

Reference: **WM_DEV_OAT_DVD_014**
Version: **002**
Date: **November 20, 2006**

Document History

Revision	Date	List of revisions	Writer
001	October 13, 2006	Initial Version	RAU
002	November 20, 2006	Amendment on Features List	RAU

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Contents

1 Introduction

1.1 Scope of this document

The scope of this document is the Open AT® GTi V720 release description for the Wireless CPU series Q2686 and Q2687.

Open AT® GTi V720 is an Open AT® plug-in, originally based on the Open AT® GTi V290 for Q24 Series.

1.2 Audience for this document

This Release note may be distributed to all direct and indirect customers and will be posted on the corporate web site under the Support\Private area.

1.3 Release Feature List

1.3.1 Features list

Open AT® GTi Features List
Easy customisation of application
Simulate the behaviour of the product before downloading to the Wireless CPU
Easy management of widgets and animations
Powerful state machine to manage any type of medium to highly complex applications
Automatically generate an Open AT® application

Reference MMI Features list
Graphical Interface
Solomon SSD 1815 LCD Display Driver
Multilingual Support – Chinese and English
Call Record – Incoming, Outgoing, Missed
SMS – English, Chinese
Phonebook Management
Network Management – Divert, Call Barring, Network Selection
Sound Setting – Incoming Alert, Key Tone
Phone Setting – Clock, Alarm

1.4 Dedicated Versions for Specific Customers

1.4.1 Storage & Marking

For specific customers, in the Product Code file, the SW Configuration of this version includes the mention "GTi".

This SW configuration will only appear on the pizza box. A special attention is required to manage the storage, as this SW configuration is the only way to distinguish the product.

1.4.2 Availability

Open AT® GTi is only bundled with the Open AT® SDK. In order to obtain Software version for updating the products dedicated to specific customers, contact your Wavecom technical support.

1.4.3 e-SIM RapidPLUS™

In order to obtain the RapidPLUS™ license code, contact your Wavecom Sales and Marketing representatives.

1.4.4 Software Behavior

Wireless CPUs must be enabled for Open AT® GTi prior to download the software. Otherwise, the message "**Error number 100**" is sent, and the reference design will not run.

The activation is made at the Wavecom production line when the proper order code is used during ordering. Please refer to the Product Marketing catalog for proper code.

2 Related Documents

[1]	AT Commands Interface Guide for revision OS 6.61	WM_DEV_OAT_UGD_014
[2]	Tutorial for Open AT® V4.10	WM_DEV_OAT_UGD_016
[3]	Basic Development Guide for Open AT® V4.10	WM_DEV_OAT_UGD_017
[4]	Tools Manual for Open AT® V4.10	WM_DEV_OAT_UGD_018
[5]	ADL User Guide for Open AT® V4.10	WM_DEV_OAT_UGD_019
[6]	Firmware Upgrade Procedure	WM_SW_GEN_UGD_001-003
[7]	Getting Started with Open AT® V4.10	WM_DEV_OAT_UGD_020
[8]	Open AT® GTi User Guide	WA_DEV_GTI_UGD_001-002
[9]	RapidPLUS™ 8.0 Basic Course	
[10]	Generating Code for Embedded Systems	

3 Abbreviations and Definitions

Abbreviation/Acronym	Description
GTi	Graphical Turbo Interface
SDK	Software Development Kit
UGD	User Guide
WM	Wavecom

4 Hardware Compatibility

4.1 Wireless CPU Compatibility

Software Version	Wireless CPU Compatibility List
V720	Q2686/Q2687

5 Software Release Description

5.1 Release Identification

	WISMO Quik – <Q2686/2687> - Series
Date of generation	<October 19, 2006>
Software identification	V720
Binary size	<824KB>
Open AT® version	<V4.10>
Xmodem downloader	<V6a09>
New OS based on release	<6.61>

5.2 Released Files & Download Processes

This section describes the files that need to be downloaded on the Wireless CPU with the HyperTerminal software.

5.2.1 Configuration Required for Download

In order to download the software by using the 1K-Xmodem protocol, the following configurations and conditions have to be set:

- Create an Hyper Terminal connection on COM port with the following parameters:
  - o *Bit/Second* **115200**
  - o *Data Bit* **8**
  - o *Parity* **None**
  - o *Bit Stop* **1**
  - o *Flow Control* **Hardware**
- A version of AT software must be already downloaded on the Wireless CPU
- Download speed can be set up to 115200 bps

Warning: Activating the Hardware Flow Control is mandatory when downloading via 1K-Xmodem, otherwise download may fail.

5.2.2 Common Files Required for Download

The file to download has the following name:

- <ads_Reference_Design_H.dwl>

The content of this file is as follows:
  - o Open AT® GTi V720 binary version,

5.2.3 Download Procedure

The following procedure must be performed in order to download the software in the Wireless CPU:

- Connect the Development Kit on this COM port and start the Wireless CPU
- Enter "at<CR>" on the Hyper Terminal windows. The Wireless CPU answers:
    "*OK*"
- Stop the Open AT® GTi software with the AT command "AT+WOPEN=0", and the Wireless CPU will reset
- Clear the flash memory with the command "AT+WOPEN=3". The Wireless CPU will return "OK". An "Error" will be returned if the flash memory has been cleared previously. This will not affect the software downloading
- Check the current downloader (dwl) on the Wireless CPU side. It must be the same or compatible to the embedded one in the new binary (see the 1K-Xmodem downloader version in the table paragraph 5.1)

    <u>Note</u>: To recall the current dwl version, enter "at+wdwl?<CR>" on the Hyper terminal. The Wireless CPU answers:
        "+WDWL: V<downloader version>"
    If existing downloader is not the good one, the new downloader must be reloaded first. In order to download it, use the following process and select "dwl.dwl" as file to download. When download is completed and the Wireless CPU has been reset, repeat the following procedure to download the Open AT® GTi binary.

- Enter "at+wdwl<CR>" to start the download. The Wireless CPU answers:
    "*+WDWL: 0*
    ▌▌▌▌▌▌▌▌▌▌ ....."

- Enter menu "Transfer/Send a file"
- Select protocol: *"1k Xmodem"*
- Select the *dwl* file to download
- Validate so that the download starts
- When new characters "▌" are received, the download is finished
- Reset the Wireless CPU by using the command "*AT+CFUN=1*" and wait for the "*Ok*" answer
- Launch the Open AT® GTi software with the command "AT+WOPEN=1"

6 Software Description

The *Severity* values have the following meaning:
- 1: Critical
- 2: Major
- 3: Minor
- 4: Improvement

6.1 Corrections Impacting Open AT® GTi Interface or Behavior

This section gives the list of all corrections or improvements integrated in the Open AT® GTi V720.

All these modifications can impact the interface or introduce behavior modifications comparing to the V710 and by extension, all versions with similar behavior (compare to the Release Note and the Open AT® GTi User Guide of your current version for more information on what has changed from your version).

<u>Caution</u>: In this case, items hereafter may not list exhaustively the possible interface breaks between your current version (if not V710) and this V720. For more information, refer to release notes of various versions between your current version and the V720.

Items are sorted by Impacted Domain (alphabetic order), Impacted Sub Domain (alphabetic order), and Severity (increasing).

Id	Description (What / When)	Impacted Domain	Impacted Sub Domain	Severity*
ANO35458	Cannot send SMS when PIN is locked	Others	Others	2
	Addition of the support for Q2686	Others	Others	4
	Update of e-SIM fonts files	Others	Others	4
	Update of Amp. and backlight management	Others	Others	4

7 Additional Information / Restrictions

This section lists additional information or restrictions that must be considered regarding the Open AT® GTi V720.
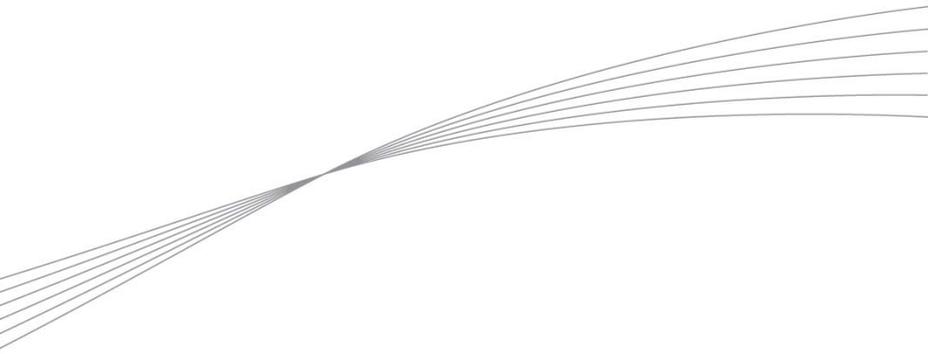
7.1 Additional Information

Id	Description (What / When)	Impacted Domain	Impacted Sub Domain
ANO33418	Cannot set delay time for no answer diverting	Others	Others
ANO32981	Duplicated call number shown in last dial list	Others	Others
ANO34295	Last character is missing for incoming SMS	Others	Others
ANO35362	15th digit remained on screen in dial list	Others	Others
ANO36093	"Total Sent" does not have value	Others	Others
ANO36094	English item appears in Chinese menu	Others	Others

7.2 Restrictions on New Features

Id	Description (What / When)	Impacted Domain	Impacted Sub Domain

7.3 Restrictions on Former Features

Id	Description (What / When)	Impacted Domain	Impacted Sub Domain

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