

Motorola Wireless Modules G24 GSM/GPRS EDGE Module Release notes

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Software versions & Generic sales models

Model Naming Convention –

F64VWXYZ

F64 Fixed number designating G24

V Model dependant features.

V=0 Basic Quad band GPRS G24 version.

V=1 EDGE

V=2 Dual band 900/1800

V=3 Dual band 850/1900

V=5 Java version (not available yet)

W Connector height.

W=2 stands for 2.5mm

W=3 stands for 3mm

W=5 stands for 5mm

X Flex version

X=A Basic flex settings file.

X=C Lock on first SIM HPLMN

Y HW version

Y=A First version

Z SW version

Z=A Software version 45R

Z=B Software version 52R

Z=C software version 61R

Table 1 – SW versions & SVN numbers

SW Version	SVN	Model Suffix
G24_G_0C.11.61R	0X56	C

Table 2: Generic Sales models

Description	Model #	SW Version	Approved
Quad band EDGE	F6413AAC	G24_G_0C.11.61R	PTCRB & GCF
Quad band Non-EDGE	F6403AAC	G24_G_0C.11.61R	GCF
Dual band Non-EDGE 900/1800	F6423AAC	G24_G_0C.11.61R	GCF

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Table 3 – G24_G_0C.11.61R - New Features

New Features		
1	LIBii02622	<u>AT+CGEQREQ</u> ; <u>+CGEQMIN</u> ; <u>+CGEQNEG</u> EDGE support, enable QoS commands
2	LIBhh88948	<u>AT+TADIAG</u> Telematics antenna diagnostics
3	LIBii06231	<u>AT+TWUS</u> ; <u>+TWUR</u> Telematics wake up line control
4	LIBii08759	<u>AT+TCLCC</u> Telematics list current calls
5	LIBii10464	Enable flex dependant option for UART2 Data Logging
6	LIBii23465	<u>AT+CLAN</u> Controls preferred language in the SIM card
7	LIBii44494	<u>AT+CFSN</u> Read Factory Serial Number
8	LIBhh65800	<u>AT+CRSM</u> Restricted SIM access command according to ETSI 07.07
9	LIBhh52582	<u>AT+MMAD</u> Monitor analog to digital conversion and module temperature.
10	LIBhh64899	<u>AT+MGGIND</u> GSM/GPRS service indicator
11	LIBhh65804	<u>AT+MPING</u> Ping a remote computer
12	LIBii59309	<u>AT+EPIN</u> Enables unlocking and interrogating the subsidy lock status of the SIM.
13	LIBhh65801	<u>AT+MIPOPEN</u> Additional support for entering a Domain Name and not only an IP address.

Table 4 – G24_G_0C.11.61R - Network

Network		
1	LIBhh91637	New requirement from Cingular network - MS should attach when FH (frequency hopping) is on in PDTCH (future feature in the cingular NW)
2	LIBii81940	Update PLMN name list

Table 5 - G24_G_0C.11.61R - Call Control

Call Control		
1	LIBii14314	<u>ATH</u> Command is received during a call release process

Table 6 - G24_G_0C.11.61R - TCP/IP stack

TCP/IP stack		
1	LIBii81297	ICMP Echo reply header fields were adjusted

Table 7 - G24_G_0C.11.61R - Phonebooks

Phonebooks		
1	LIBii62608	When changing the SIM-card without resetting the unit, the module provided the previous SIM phonebook

Table 8 - G24_G_0C.11.61R - Miscellaneous

Misc.		
1	LIBii62608	<u>AT+TPIN</u> Data is updated on SIM removal
2	LIBii38280	<u>AT+CMGS</u> Add error report if +CMGS failed after it was aborted
3	LIBii52823	If feature is set in the flex (default is not set) , send "READY" string to DTE only on first power up.
4	LIBhh35084	<u>AT+CCWA</u> Indication added when G24 gets an incoming call when it already has an active and held call.
5	LIBii14315	<u>AT+CREG</u> Update to provide correct cell ID in a specific NW condition.
6	LIBii14327	<u>AT+CCFC</u> Support Unicode character in relation to Call Forward functionality.
7	LIBii25533	<u>ATI7</u> Returns an updated string "G24 OEM Module"
8	LIBii75583	<u>AT+COPS</u> COPS command indication in roaming was updated to cover a specific NW condition.
9	LIBii35065	<u>AT+MHIG</u> Remove command
10	LIBii06739	Interaction between MUX and CSD call was improved.
11	LIBii81223	<u>AT+IPR; CBAUD</u> Support setting all the declared values.
12	LIBhh45549	<u>AT+MCI</u> Return empty string if requested band is not supported

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Table 9 – G24 G 0C.11.52R - New Features

New Features		
1	LIBhh62583	<u>AT+MIOD, AT+MIOC</u> Control over 8 GPIO lines – can be configured as input or output using AT+MIOD and AT+MIOC commands
2	LIBhh63178	<u>AT+MFIC</u> Enables filtering out predefined phone numbers.
3	LIBhh83463	<u>AT+TPIN</u> Command keeps track of the number of SIM PIN/PUK attempts left.
4	LIBii11542	A flex dependant option to receive an unsolicited indication “READY” on power up, when UART is ready for communication.
5	LIBhh50194	<u>AT+EMPC</u> Command handles subsidy lock – read status and enter unlock code.
6	LIBhh80712	<u>AT+CIND</u> command reads out the status of various G24 indicators: Signal Strength, Service Status, Message Waiting, Call Status, Roaming, SMS Full & SIM Inserted/Removed.
7	LIBgg20743	<u>PC-Loader</u> Support RS232 SW upgrade of the unit.

Table 10 – G24 G 0C.11.52R - Phonebooks

Phonebooks		
1	LIBff85849	<u>AT+CPBW</u> Fix characters being cut off when storing in specific character sets.

Table 11 – G24 G 0C.11.52R – Call Control

Call Control		
1	LIBii05180	<u>ATD</u> Support Alpha dialing when character set ASCII is set.
2	LIBff82621	<u>ATA</u> Prevent ATA from releasing an MO call when given at the alert stage.

Table 12 – G24 G 0C.11.52R - SMS

SMS		
1	LIBhh77296	<u>AT+CMGR</u> Fix TP-UDL setting in MT SMS PDU mode when default alphabet is used for encoding and UDHI is set
2	LIBii14313	<u>AT+CSCA</u> Support setting of service center address when the character set is Unicode.
3	LIBhh98325	<u>AT+CNMI</u> Support CNMI as a basic command (can be given regardless of SIM state)

G24-G-0C-11-45R

Motorola Wireless modules are proud to present the G24 GSM/GPRS module. G24 is a Quad-band RoHS (green) compliant product which is fully backward compatible to our G20 GSM/GPRS module.

G24 is fully type approved and complies with strict quality standards.

The module supports GSM 07.05, GSM 07.07, GSM 07.10 AT command sets and a set of various Motorola proprietary commands – Full details can be found in the AT commands reference manual.

This release is upgradeable only through USB interface. The next release will support upgrading via RS232. However, units that come out with 45R software will not be able to support upgrading via RS232 even if upgraded to an advanced release.

Future releases of G24 will support EDGE and JAVA.

For further information please contact your distributor or our helpdesk at M2M.CustomerCare@motorola.com