

## **GCOM520 SMS PROGRAMMING CODES**

DEFAULT ADMINISTRATOR PASSWORD = 123456  
DEFAULT OPERATOR PIN = 999999  
MAX TEL NUMBER LENGTH = 16 DIGITS (use international format e.g. +27831234567)  
NOTE THAT ALL COMMANDS END WITH A ; (semicolon)

GEN CONFIGURATION & SETUP COMMANDS	FUNCTION CODE	EXAMPLE	COMMENTS
CHANGE 6 CHAR ADMIN PASSWORD	A1A or CPWORD	123456,CPWORD,123ABC;	
CHANGE 6 DIGIT OPERATOR PIN	A1P or COPIN	123456,COPIN,555888;	
CHANGE DEVICE NAME	D1A or DEVNAME	123456,DEVNAME,Home front Gate; (max 20 chars)	The name should describe the location or equipment controlled
CHANGE DEVICE NUMBER	D2A or DEVNUM	123456,devnum,+27831234567;	The telephone number of the Gcom520 GSM Controller
ADD A SMS RECIPIENT	ADDRECIP	123456,ADDRECIP1,+27831234561; or 123456,addrecip2,+27831234562; or 123456,ADDRECIP6,+27831234566;	Alarm SMS messages are sent to all recipients Statue reports and general messages are sent to recipient1 only or all recipients
DELETE A SMS RECIPIENT	DELRECIP	123456.DELRECIP1; or 123456,DELRECIP6;	To remove a recipient number
ADD A GATE ACCESS NUMBER	F2A or ADDNUM	123456,ADDNUM,+27831234567,07:00,16:00,1000100,P; or 123456,ADDNUM,+27831234567,07:00,16:00,0000010,V; or 123456,ADDNUM,+27831234567,07:00,16:00; or 123456,ADDNUM,+27831234567;	for limited pedestrian access between from-time and to-time on Mondays & Fridays only for limited vehicle access between from-time and to-time on Saturdays only for limited vehicle access between from-time and to-time all days of the week for unlimited access
DELETE A GATE ACCESS NUMBER	F2D or DELNUM	123456,DELDNUM,+27831234567;	Removes an Access number from the Gcom520 memory
SET ACCESS SECURITY MODE ON	F3E or SECURITY ON	123456,SECURITY ON; (default on)	Access is granted only if the callers number has been registered in the Gcom
SET ACCESS SECURITY MODE OFF	F3D or SECURITY OFF	123456,SECURITY OFF;	Access is granted from any missed call
ENABLE DAILY STATUS REPORTING	F4E or STATUS ON	123456,STATUS ON; (default off)	Status report sent to recipients depending on ** setup
DISABLE DAILY STATUS REPORTING	F4D or STATUS OFF	123456,STATUS OFF;	Status reports are not sent automatically (available on request only)
STATUS REPORT TIME	F4T or STAT TIME	123456,STAT TIME,12:00;	Daily status reporting time
REQUEST A STATUS REPORT NOW	F4S or STATUS	123456,STATUS;	Sends a single status report to the caller
REQUEST A CONFIGURATION REPORT NOW	F4C or CONFIG	123456,CONFIG;	Sends a single configuration report to the caller
ENABLE POWERUP REPORTING	F5E or POWERUP ON	123456,POWERUP ON; (default off)	Sends a powerup status report to recipient 1 (useful for debugging supply problems)
DISABLE POWERUP REPORTING	F5D or POWERUP OFF	123456,POWERUP OFF;	Disables powerup reporting
GEN SMS NOTIFICATIONS TO ALL RECIPIENTS	F5A or SMSALL ON	123456,SMSALL ON; (default off)	Gen SMS acknowledgements, warnings and notifications sent to all recipients only.
GEN SMS NOTIFICATIONS TO RECIP1 ONLY	F5S or SMSALL OFF	123456,SMSALL OFF;	Gen SMS warnings and notifications sent to recipient1 only (alarms sent to all recipients)
MANUALLY SET THE INTERNAL CLOCK	TIME	123456,TIME;	Manually set the Gcom time and date (only required if there is a GPRS time server problem)
MANUALLY REQUEST REMAINING AIRTIME	AIRTIME	123456,AIRTIME;	Requests remaining airtime value
RESET THE GCOM TO FACTORY DEFAULT	DEFAULT	123456,DEFAULT;	Sets all parameters to default values and erases all recipient and access numbers
SET RELAY CONTROL TO MISSED CALL	F7P or RELAY MCALL	123456,RELAY MCALL; (default on)	Set missed call mode. Relay control by missed calls only (impulse mode or access control)
SET RELAY CONTROL TO SMS MODE	F7L or RELAY SMS	123456,RELAY SMS;	Set SMS control mode. Relays controlled by SMS commands (incoming calls ignored)
CELLULAR LOCATION SERVICE	LOCATE	123456,LOCATE;	Service to estimate the position on the basis of surrounding mobile network information
MANUAL LOG REPORT REQUEST	LOG REPORT	123456,LOG REPORT;	Manually triggers a log report email (only if logging was previously enabled from website)
SET TIME ZONE FOR AUTO TIME SERVER	TIME ZONE	123456,TIME ZONE, +08 (-48 to +48)	Time zone is GMT offset in 15 minute increments e.g. +08 = South Africa, -24 = USA CST
DISABLE INTERNET CONNECTIVITY	INTERNET OFF	123456,internet off;	If you don't have a data enabled SIM or are not using the "MY GCOM" portal
ENABLE INTERNET CONNECTIVITY	INTERNET ON	123456,internet on; (default on)	If you want to use the "MY GCOM" portal and time synchronizing service

CHANGE YOUR INTERNET APN	SET APN	123456,set apn,internet,uname,pword,airtimeUSSD;		For overriding the built-in internet connection settings (useful for non Africa countries)
		or 123456,set apn,,,,;		To clear custom APN setting and use default internet connection settings
SET REPEAT TIME FOR LOW VOLTAGE MSG	REPEAT LV	123456,REPEAT LV,60;	(default = 0)	Low voltage warning sms repeat time in minutes (max 240 - zero minutes to disable). <sup>6</sup>
TO ACK AND RESET THE REPEATING MSG	OK	123456,OK;		Acknowledges and stops any triggered repeating message. <sup>6</sup>

#### ALARM CONFIGURATION & SETUP PARAMETERS

INPUT1 ALARM DELAY	DELAY1	123456,DELAY1,5;	(1-999 max)	This is the time that the input1 signal must be ON before the alarm sms is triggered
INPUT2 ALARM DELAY	DELAY2	123456,delay2,180;	(1-999 max)	This is the time that the input2 signal must be ON before the alarm sms is triggered
CUSTOM INPUT1 ALARM MESSAGE	ALARM1	123456,ALARM1,Gate Tamper Alarm has been triggered;		This sms message is appended to the device name for identification (max 50 chars) <sup>3</sup>
CUSTOM INPUT2 ALARM MESSAGE	ALARM2	123456,alarm2,Low level on Tank 5;		This sms message is appended to the device name for identification (max 50 chars) <sup>3</sup>

#### MISSED CALL MODE - RELAY / GATE CONTROL COMMANDS

CHANGE MISSED CALL RELAY1 PULSE TIME	TRIGTIME1	123456,TRIGTIME1,5;	(1-99 max)	Missed call mode relay1 pulse / trigger time (default is 1 second)
CHANGE MISSED CALL RELAY2 PULSE TIME	TRIGTIME2	123456,TRIGTIME2,99;	(1-99 max)	Missed call mode relay2 pulse / trigger time (default is 1 second)
AUTO CLOSE OVERRIDE - GATE OPEN	OPEN	123456,OPEN;		In gate motor controller mode, relay1 will be held on to keep the gate open
AUTO CLOSE OVERRIDE - GATE CLOSE	CLOSE	123456,CLOSE;		Used to cancel auto close override
SET MISSED CALL ACCESS LOCKOUT	LOCK	123456,LOCK;		Mainly for factories - temporary missed call access lockout (active until cancelled)
RESET MISSED CALL ACCESS LOCKOUT	UNLOCK	123456,UNLOCK;		Removes the previously set lockout

#### SMS MODE - OPERATOR COMMANDS

SWITCH RELAY1 ON	RELAY1 ON	999999,RELAY1 ON;		(can use Operator PIN or Admin Password)
	PUMP ON	or 999999.PUMP ON;		If an alternate Relay1 name has been programmed with the "MY GCOM MANAGER"
SWITCH RELAY1 OFF	RELAY1 OFF	999999,RELAY1 OFF;		
	PUMP OFF	or 123456,PUMP OFF;		If an alternate Relay1 name has been programmed with the "MY GCOM MANAGER"
SWITCH RELAY2 ON	RELAY2 ON	999999,RELAY2 ON;		
		or 123456,home alarm on;		If an alternate Relay2 name has been programmed with the "MY GCOM MANAGER"
SWITCH RELAY2 OFF	RELAY2 OFF	123456,RELAY2 OFF;		
		or 123456,home alarm off;		If an alternate Relay2 name has been programmed with the "MY GCOM MANAGER"
PULSE RELAY1	RELAY1 PULSE	999999,RELAY1 PULSE,5;	(1-99 max)	Relay1 single pulse on time in seconds
PULSE RELAY2	RELAY2 PULSE	123456,RELAY2 PULSE,99;	(1-99 max)	Relay2 single pulse on time in seconds

#### NOTES:

1/ Operator commands can use the Admin Password or Operator pin. The Operator pin number cannot be used for Configuration Commands.

2/ The 6 character password is case sensitive. All other text is not case sensitive.

3/ When SMS programming the customised input 1 or 2 alarm message as a relay command to another GCOM520 device then you must terminate the line with a comma and a semicolon e.g. 123456,ALARM1,123456,RELAY1 ON,;

4/ See the "MY GCOM MANAGER" portal at [www.gcom500.co.za](http://www.gcom500.co.za) for convenient device setup and management.