

FMC130 SMS/GPRS Commands

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Commands apply for these devices:

FMB001 FMB010 FMB002 FMB020 FMB110 FMB120 FMB122 FMB125 FMB130 FMB202 FMB204 FMB208 FMB900 FMB920 FMB962 FMB964 FM3001
FMT100 FMC001 FMM001 FMC125 FMC130 FMM125 FMM130 FMU125 FMU126 FMU130 MTB100 FMB140

All commands are case sensitive. When user tries to send SMS/GPRS message to device that operates in Deep Sleep mode, it cannot arrive to it because the GSM/GPRS module is disabled most of the time. Device will receive the SMS message when it exits Deep Sleep mode, but GPRS commands will not be received after exiting Deep Sleep Mode.

If the device is in GPS Sleep or Online Deep Sleep mode, sent SMS/GPRS message will arrive to the device.

SMS command structure:

```
<SMS login><space><SMS password><space><command><space><value>
```

SMS command getinfo example:

- If you have set SMS login and password: login pass getinfo
- If SMS login and password are not set leave two spaces before command: getinfo

GPRS commands require Codec 12 protocol.

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Common commands

Command	Description	Response	HW Support	Parameter Group
<i>getinfo</i>	Device runtime system information.	Yes	FMBXXX [Expand]	Common commands
<i>getver</i>	Returns code version, device IMEI, modem app version, RTC time, Init time, Uptime and BT MAC address.	Yes	FMBXXX [Expand]	Common commands
<i>getstatus</i>	Modem Status information.	Yes	FMBXXX [Expand]	Common commands
<i>getgps</i>	Current GPS data, date and time.	Yes	FMBXXX [Expand]	Common commands
<i>getio</i>	Readout analog input,digital input and output.	Yes	FMBXXX	Common commands

			[Expand]	
<i>ggps</i>	Returns location information with Google maps link.	Yes	FMBXXX [Expand]	Common commands
<i>radio #</i>	Returns IO status, # AVL ID.	Yes	FMBXXX [Expand]	Common commands
<i>cpureset</i>	resets device	No	FMBXXX [Expand]	Common commands
<i>fwstats</i>	Get data about FW and restarts	Yes	FMBXXX [Expand]	Common commands
<i>getrecord</i>	SMS command initiates saving and sending of high priority record.	No	FMBXXX [Expand]	Common commands
<i>getimeiccid #</i>	Response is sent to SMS/GPRS command sender and also to GSM number provided. # - GSM number using international format e.g. 37069012345	Yes	FMBXXX [Expand]	Common commands
<i>getimsi</i>	Sends the IMSI number of the SIM card inserted as a response to the sender.	Yes	FMBXXX [Expand]	Common commands
	If two SIM cards are inserted in the device, the response will be the IMSI number of the currently active SIM card.			

Note: This command is supported from 03.10.02 firmware version.

<i>allver</i>	<p>Responds with information about hardware and firmware versions and storage space</p>	Yes	FMBXXX [Expand]	Common commands
<i>getparam #</i>	<p>Returns selected parameter value.</p> <p># - first ID value. # - second ID value. # - third ID value.</p>	Yes	FMBXXX [Expand]	Common commands
<i>getparam #;#;#;...</i>	<p>SMS command is limited to 160 characters.</p> <p>Sets selected parameter value</p>			
<i>setparam #:#</i>	<p><i>[Parameter ID]: [New Parameter Value]; [Parameter ID]: [New Parameter Value]...</i></p>	Yes	FMBXXX [Expand]	Common commands
<i>setparam #:#;#:#;#;#;...</i>	<p>SMS command is limited to 160 characters.</p> <p>Redirects device to other server.</p>			
<i>flush #,#,#,#,#,#,#</i>	<p>1.# - IMEI. 2.# - APN. 3.# - LOGIN. 4.# - PASS. 5.# - IP. 6.# - PORT.</p> <p>7.# - MODE (0-TCP/1-UDP).</p>	Yes	FMBXXX [Expand]	Common commands
<i>countrecs</i>	Returns records number.	Yes	FMBXXX [Expand]	Common commands

<i>web_connect</i>	Forces device to connect to Fota WEB immediately.	Yes	FMBXXX [Expand]	Common commands
<i>deleterecords</i>	Delete all records from SD card.	Yes	FMBXXX [Expand]	Common commands
<i>setdigout ## Y1 Y2 Z1 Z2</i>	Set digital output. 1.# - 0; 1 or ? (0 - OFF, 1 - ON, ? - Ignore) for DOUT1. 2.# - 0; 1 or ? (0 - OFF, 1 - ON, ? - Ignore) for DOUT2. Y1 - timeout value for DOUT1 if needed (in seconds). Y2 - timeout value for DOUT2 if needed (in seconds). Z1 - maximum speed value for DOUT1 if needed. Z2 - maximum speed value for DOUT2 if needed.	Yes	FMBXXX [Expand]	Common commands
<i>battery</i>	Returns battery state info.	Yes	FMBXXX [Expand]	Common commands
<i>wdlog</i>	Returns all information about 'watch dogs'	Yes	FMBXXX [Expand]	Common commands
<i>defaultcfg</i>	Load default configuration.	Yes	FMBXXX [Expand]	Common commands
<i>setkey # #</i>	Add new or change current configuration keyword. If device is locked, keyword cannot be changed. 1.# - old keyword (if adding new keyword space).	Yes	FMBXXX [Expand]	Common commands

	2.# - new keyword.			
<i>delkey #</i>	Remove existing keyword (If device is locked, keyword cannot be changed). # - old keyword.	Yes	FMBXXX [Expand]	Common commands
<i>bbread #</i>	Return black box information (HEX value of event ID and HEX value of custom data field (optional)). # - returns entered number of latest events. When # is omitted the latest events are packed to single SMS.	Yes	FMBXXX [Expand]	Common commands
<i>bbinfo #</i>	Return same information as <i>bbread</i> command but additional all events timestamp is written in HEX. # - returns entered number of latest events. When # is omitted the latest events are packed to single SMS.	Yes	FMBXXX [Expand]	Common commands
<i>sdformat</i>	Format SD card.	Yes	FMBXXX [Expand]	Common commands

Bluetooth Commands

Command	Description	Response	HW Support	Parameter Group
<i>btgetlist #</i>	Returns requested Bluetooth list. # - 0,1 or 2 (0 – Discovered, 1 – Paired, 2 – Connected, 3 – Discovered BT4/BLE devices).	Yes	FMBXXX [Expand]	Bluetooth commands
<i>btscan</i>	Starts Bluetooth scan.	Yes	FMBXXX [Expand]	Bluetooth commands
<i>btvisible #</i>	Sets Bluetooth to visible with TMO. # - visibility TMO (from 1 to 255 seconds).	Yes	FMBXXX [Expand]	Bluetooth commands

<i>btrelease #</i>	Disconnects from current device and pauses auto connect functionality for TMO. # - none or TMO (from 1 to 255 seconds).	Yes	FMBXXX [Expand]	Bluetooth commands
<i>btunpair #</i>	Unpair Bluetooth device. # - all, BT address (all – unpair all devices, BT address – unpair only specified MAC address).	Yes	FMBXXX [Expand]	Bluetooth commands

Commands Related to Features

Command	Description	Response	HW Support	Parameter Group
<i>fc_reset</i>	Resets fuel consumption parameters.	Yes	FMBXXX [Expand]	Commands related to features
<i>towingreact</i>	Towing reactivation.	Yes	FMBXXX [Expand]	Commands related to features
<i>auto_calibrate:get</i>	Returns the state of calibration.	Yes	FMBXXX [Expand]	Commands related to features
<i>odoset:#</i>	Set total odometer value. # - new odometer value in km.	Yes	FMBXXX [Expand]	Commands related to features
<i>odoget</i>	Display current odometer value.	Yes	FMBXXX [Expand]	Commands related to features
<i>on_demand_trackingX</i>	X=0 – Stops Tracking on Demand functionality. X=1 – Starts Tracking on Demand functionality. X=2 – Generates one high priority record and	Yes	FMBXXX [Expand]	Commands related to features

inititates data sending to server.

Note: This command is supported from 03.25.06 firmware version.

OBD Commands

Command	Description	Response	HW Support	Parameter Group
<i>obdinfo</i>	If connected with Bluetooth OBD dongle displays all available information from OBD.	Yes	FMBXXX [Expand]	OBD Commands
<i>faultcodes</i>	If connected with Bluetooth OBD dongle display all visible fault codes.	Yes	FMBXXX [Expand]	OBD Commands
<i>cleardtc</i>	Clears all vehicle stored fault codes.	Yes	FMBXXX [Expand]	OBD Commands
<i>getvin</i>	Get vehicle VIN code, if OBD dongle is connected.	Yes	FMBXXX [Expand]	OBD Commands

CAN Adapter Commands

Command	Description	Response	HW Support	Parameter Group
<i>lvcansetprog #</i>	Set program number to CAN Adapter # - three to five digit vehicle specific number	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcangetprog</i>	Get program number from CAN Adapter	Yes	FMBXXX [Expand]	CAN Adapter Commands

<i>lvcangetinfo</i>	Get information about connected CAN adapter	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvkansimpletacho #</i>	Add or remove simpletacho start byte. # - 0 or 1 (0 – don't add start byte, 1 – add start byte).	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanclear #</i>	Clear Total Mileage (counted), Engine Work Time (counted), Fuel Consumed (counted) parameters values. # - parameter (0 – Engine work time (counted), 1 – Fuel Consumed (counted), 2 – Vehicle Mileage (counted)).	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>allcanmode</i>	Turn on ALL-CAN300 mode.	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanmode</i>	Turn on LV-CAN200 mode.	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanfaultcodes</i>	Read DTC fault codes.	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanopenalldoors</i>	Toggle CAN-CONTROL to open [unlock] all doors	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanclosealldoors</i>	Toggle CAN-CONTROL to close [lock] all doors	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanopentrunk</i>	Toggle CAN-CONTROL to open [unlock] trunk	Yes	FMBXXX [Expand]	CAN Adapter Commands
<i>lvcanblockengine</i>	Toggle CAN-CONTROL to block vehicle engine (if	Yes	FMBXXX	CAN Adapter Commands

	<i>command is not supported, please, visit FAQ)</i>		[Expand]	
<i>lvcanunblockengine</i>	Toggle CAN-CONTROL to unblock vehicle engine (<i>if command is not supported, please, visit FAQ)</i>	Yes	FMBXXX [Expand]	CAN Adapter Commands
	Toggle CAN-CONTROL to flash lights			
<i>lvcanturninglights</i>	One flash of all turn lights ordered through accidental / blinking turn light switch	Yes	FMBXXX [Expand]	CAN Adapter Commands
	This command is used to set specific counters for vehicles. From that moment of setting the value, vehicle will continue to count from the specified value.			
	1.#: 0 - setting total engine work time (seconds) 1 - setting total mileage of the vehicle (km) 2 - resetting total fuel consumption to 0 is available (liters) 3 - setting total CNG use (kg) 4 - setting electric engine work time (seconds) 5 - setting wheel speed sensor impulses (impulses) 2.# - value(0 to 0xFFFFFFFF or ? (? - is used to get the current setting value))			
<i>lvcansetting:#,#</i>		Yes	FMB140	CAN Adapter Commands
	Note: This command is supported from 03.25.15.Rev.145 firmware version.			
	This command forces FMB1YX connection to FOTA WEB to report current CAN adapter status.			
<i>lvcanrefresh</i>		Yes	FMB140	CAN Adapter Commands
	Note: This command is supported from 03.25.16.Rev.281 firmware version.			
<i>lvcanreset</i>	This command forces CAN adapter reset.	Yes	FMB140	CAN Adapter Commands

Note: This command is supported from 03.25.16.Rev.281 firmware version.

lvcanchek

This command reports CAN lines connection information.

Yes

FMB140

CAN Adapter Commands

Note: This command is supported from 03.25.16.Rev.281 firmware version.

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