

# Template:FMB Device Family Parameter list

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## System parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
138	Uint8	2	0	8	1 - Ignition 2 - Accelerometer 4 - GNSS 8 - CAN Speed	Movement source
133	Uint8	0	0	1	0 - GNSS 1 - OBD / CAN	Speed Source
106	Uint8	1	0	1	0 - Disable 1 - Enable	Static navigation
112	Uint8	1	0	3	1 - Movement 2 - Ignition	Static navigation source
107	Uint8	2	0	2	0 - After Position Fix 1 - Always 2 - After Time Sync	Send/Save records without TS
108	Uint8	1	0	1	0 - Disable 1 - Enable	LED Indication
109	Uint8	10	1	15	0 - Undefined 1 - Beidou only 2 - Glonass only 3 - Glonass and Beidou not allowed 4 - Galileo only 5 - Galileo and Beidou 6 - Galileo and Glonass 7 - Galileo, Glonass and Beidou not allowed 8 - Gps only 9 - Gps and Beidou 10 - Gps and Glonass 11 - Gps, Glonass and Beidou not allowed 12 - Gps and Galileo 13 - Gps, Galileo and Beidou 14 - Gps, Galileo and Glonass 15 - Gps, Galileo, Glonass and Beidou and not allowed	GNSS source
110	Uint8	0	0	1	0 - On need 1 - After ignition on 2 - Always	Battery charge mode

111	Uint8	1	0	1	Range 10V Range 30V	Analog Input Value Range
113	Uint8	1	0	1	0 - Codec 8 1 - Codec 8 Extended	Data Protocol
135	Uint8	0	0	1	2 - Codec JSON 0 - DIN2/AIN1 1 - Ground Sense	Input mode
145	Uint8	0	0	1	1 - DIN2	Advance Pulse Counters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
102	Uint8	2	0	4	0 - Disable 1 - GPS sleep 2 - Deep sleep 3 - Online Deep sleep 4 - Ultra Deep sleep 6 - Power Off sleep (only for <a href="#">FMB965</a> )	Sleep settings
103	Uint16	1	1	3000	Minutes	Timeout
233	Uint8	0	0	1	0 - Disable 1 - Enable	1-wire enabled in DS and ODS
60110	Uint16	360	0	3000	Minutes	Periodic Wakeup
60111	Uint8	1	0	1	0 - Disable 1 - Enable	Bluetooth On While In Sleep

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
101	Uint8	4	1	14	1 - DIN 1 2 - Accelerometer 3 - Digital Input or Accelerometer 4 - Power Voltage 5 - Digital Input or Power Voltage 6 - Accelerometer or Power Voltage 7 - Digital Input, Accelerometer, or Power Voltage 8 - Engine RPM 9 - Digital Input or Engine RPM 10 - Accelerometer or Engine RPM 11 - Digital Input, Accelerometer or Engine RPM 12 - Power Voltage or Engine RPM 13 - Digital Input, Power Voltage or Engine RPM 14 - Accelerometer, Power Voltage or Engine RPM	Ignition settings
104	Uint16	30000	0	30000	mV	High voltage
105	Uint16	13200	0	29999	mV	Low voltage

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>19001</b>	Uint16	2	1	60	Seconds	Movement Start Delay
<b>19002</b>	Uint16	60	5	300	Seconds	Movement Stop Delay

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>901</b>	Uint8	0	0	24	Hours	NTP Resync
<b>902</b>	Char	"pool.ntp.org"	0	55	String	NTP server 1
<b>903</b>	Char	"time.nist.gov"	0	55	String	NTP server 2

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>169</b>	Uint8	1	0	1	0 - Disabled 1 - Enable	Accelerometer Auto Calibration
<b>170</b>	Uint8	1	0	1	0 - Disabled 1 - Enabled	Gravity Filter

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>234</b>	Uint8	0	0	1	0 - Disabled 1 - Enable	Allow AGPS in Home Network
<b>235</b>	Uint8	0	0	1	0 - Disabled 1 - Enabled	Allow AGPS in Roaming Network
<b>236</b>	Unit8	0	0	1	0 - Disabled 1 - Enabled	Allow AGPS in Unknown Network
<b>237</b>	Unit8	0	0	1	0 - 3 days 1 - 6 hours	AGPS File Duration

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>19500</b>	Unit8	0	0	1	0 - Disabled 1 - Enabled	Low Power Mode
<b>19501</b>	Unit16	3600	120	2592000	Seconds	Min Period
<b>19502</b>	Unit16	60	30	3600	Seconds	GPS Search Period
<b>19503</b>	Unit16	1.3	0.1	5		GPS Accuracy (HDOP PDOP VDOP)
<b>19504</b>	Unit16	0	0	20		GPS Satellites Quantity
<b>19505</b>	Unit16	0	0	255	Seconds	Hold GPS Fix Timeout

## GPRS parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1000</b>	Unit32	300	30	259200	Seconds	Open link timeout
<b>1001</b>	Unit16	30	5	300	Seconds	Response timeout
<b>1002</b>	Unit8	0	0	1	0 - Newest 1 - Oldest	Sort by
<b>1003</b>	Unit16	0	0	300	Seconds	Network ping timeout
<b>1004</b>	Unit8	1	0	1	0 - TCP/IP 1 - AVL	ACK Type

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>2000</b>	Unit8	1	0	1	0 - Disable 1 - Enable	GPRS context
<b>2001</b>	Char	""	0	32	String	APN
<b>2002</b>	Char	""	0	32	String	APN username
<b>2003</b>	Char	""	0	32	String	APN password

2038	Uint8	1	0	1	0 - Disable 1 - Enable None	Limit connection errors
2016	Uint8	1	0	1	0 - PAP 1 - CHAP	GPRS Authentication

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
2004	Char	""	0	55	String	Domain
2005	Uint16	0	0	65535	Number	Port
2006	Uint8	0	0	3	0 - TCP 1 - UDP 3 - MQTT	Protocol
2020	Uint8	0	0	1	0 - None 1 - TLS/DTLS	TLS Encryption

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
2010	Uint8	0	0	3	0 - Disable 1 - Backup 2 - Duplicate 3 - EGTS	Backup Server Mode
2007	Char	""	0	55	String	Backup Server Domain
2008	Uint16	0	0	65535	Number	Backup Server Port
2009	Uint8	0	0	3	0 - TCP 1 - UDP 3 - MQTT	Backup Server Protocol
2021	Uint8	0	0	1	0 - None 1 - TLS/DTLS	TLS Encryption

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
13003	Uint8	1	0	1	0 - Disable 1 - Enable	FOTA WEB Status
13000	Char	fm.teltonika.lt	0	55	String	FOTA WEB Domain
13001	Uint16	5000	0	65535	Number	FOTA WEB Port
13002	Uint16	720	30	65535	Number	FOTA WEB Period

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
2025	Uint8	1	0	1	0 - Disable 1 - Enable	Auto APN Search

## SMS/Call settings

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
3000	Uint8	0	0	1	0 - Disable 1 - Enable	Allow SMS data sending
3001	Char	""	0	16	String	Data Send Number

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
3003	Char	""	0	5	String	Login
3004	Char	""	0	5	String	Password
3006	Uint16	UTC+00:00	UTC-12:00	UTC+13:00	Time zone	SMS event Time Zone

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

3005	Uint8	0	0	4	0 - Do nothing 1 - Hangup 2 - Report position 3 - Not used 4 - Auto answer	Incoming call action
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Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
3007	Uint8	0	0	7 (3 for FMB125)	0 - Disable 1 - DIN1 2 - Crash event 3 - DIN1 and Crash event 4 - DIN2 5 - DIN1 and DIN2 6 - DIN2 and Crash event 7 - DIN1, DIN2 and Crash event	Outgoing call trigger
3008	Uint8	0	0	10	GSM number	GSM number index

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
4000-4199	Char	""	0	16	String	Authorized number

## GSM operators

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
5000-5049	Uint32	0	0	999999	Number	SIM1 roaming operator list
9500-9549	Uint32	0	0	999999	Number	SIM2 roaming/home operator list
5500-5549	Uint32	0	0	999999	Number	Operator blacklist
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
6000-6009	Char	""	0	16	String	Predefined number
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
2018	Uint8	0	0	1	0 - Disable 1 - Enable	Ban List Control

## Data acquisition mode parameters

### Home Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10000	Uint16	3600	0	2592000	Min Period
10004	Uint8	1	1	255	Min Saved Records
10005	Uint16	120	0	2592000	Send Period

### Home Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	

<b>10050</b>	Uint16	300	0	2592000	Min Period
<b>10051</b>	Uint16	100	0	65535	Min Distance
<b>10052</b>	Uint8	10	0	180	Min Angle
<b>10053</b>	Uint8	10	0	100	Min Speed Delta
<b>10054</b>	Uint8	1	1	255	Min Saved Records
<b>10055</b>	Uint16	120	0	2592000	Send Period

### Roaming Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10100</b>	Uint16	3600	0	2592000	Min Period
<b>10104</b>	Uint8	1	1	255	Min Saved Records
<b>10105</b>	Uint16	0	0	2592000	Send Period

### Roaming Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10150</b>	Uint16	300	0	2592000	Min Period
<b>10151</b>	Uint16	100	0	65535	Min Distance
<b>10152</b>	Uint8	10	0	180	Min Angle
<b>10153</b>	Uint8	10	0	100	Min Speed Delta
<b>10154</b>	Uint8	1	1	255	Min Saved Records
<b>10155</b>	Uint16	0	0	2592000	Send Period

### Unknown Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10200</b>	Uint16	3600	0	2592000	Min Period
<b>10204</b>	Uint8	1	1	255	Min Saved Records
<b>10205</b>	Uint16	120	0	2592000	Send Period

### Unknown Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10250</b>	Uint16	300	0	2592000	Min Period
<b>10251</b>	Uint16	100	0	65535	Min Distance
<b>10252</b>	Uint8	10	0	180	Min Angle
<b>10253</b>	Uint8	10	0	100	Min Speed Delta
<b>10254</b>	Uint8	1	1	255	Min Saved Records
<b>10255</b>	Uint16	0	0	2592000	Send Period

# Features parameters

## Green driving parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11000	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
11004	Uint8	2.5	0.5	10	m/s <sup>2</sup>	Max acceleration
11005	Uint8	2.7	0.5	10	m/s <sup>2</sup>	Max braking
11006	Uint8	3.4	0.5	10	m/s <sup>2</sup>	Max cornering
11007	Uint8	0	0	1	0 - GPS 1 - Accelerometer	Source
11008	uint8	0	0	1	Enable/Disable	Duration
11003	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT 1 2 - DOUT 2	Output control
11001	Int32	200	100	5000	Milliseconds	DOUT ON duration
11002	Int32	200	0	5000	Milliseconds	DOUT OFF duration
7034	Uint8	0	0	10	Phone number	Send SMS to
8034	String	"Green Driving"	0	160	Text	Sms text

## Overspeeding scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11100	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
11104	Uint16	90	0	260	km/h	Max speed
11103	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT 1 2 - DOUT 2	Output control
11101	Int32	200	100	5000	Milliseconds	DOUT ON duration
11102	Int32	200	0	5000	Milliseconds	DOUT OFF duration
7032	Uint8	0	0	10	Phone number	Send SMS to
8032	String	"Overspeeding"	0	160	Text	Sms text

## Jamming scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11300	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
11303	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
11304	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT1 2 - DOUT2	Output control



11301	Int32	200	100	5000	Milliseconds	DOUT ON duration
11302	Int32	200	0	5000	Milliseconds	DOUT OFF duration
11305	Uint16	60	0	65535	Seconds	Timeout

## Immobilizer scenario parameters

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## DOUT control via call scenario parameters

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## DOUT 1 Output type

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## iButton read notification

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## Trip/Odometer

### Trip scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11800	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
11801	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
11802	Uint8	0	0	1	0 - Continuous 1 - Between records	Mode
11803	Uint8	5	0	255	km/h	Start speed
11804	Uint16	60	0	65535	Seconds	Ignition off timeout
7031	Uint8	0	0	10	Phone number	Send SMS to
8031	String	"Trip"	0	160	Text	Sms text

### Advanced trip scenario parameters

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Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
700	Uint16	100	0	65535	0 - Disable	Eco score allowed events
11805	Uint8	0	0	1	0 - Disable 1 - Enable	Remember iButton

## Odometer parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11806	Uint8	0	0	2	0 - GNSS 1 - OBD 2 - LVCAN	Calculation source
11807	Uint32	0	0	4294967	Kilometer	Odometer Value

## Private/Business mode scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11850	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Private/Business Mode
11814	Uint8	0	0	1	0 - Disable 1 - Enable	Eventual records
11811	Uint8	0	0	3	16 - BTApp 32 - NBL-1 Button1 64 - NBL-1 Button2 128 - FMP100 Button 255 - Enable All	Triggers
11813	Uint8	0	0	3	0 - Normal 1 - Data sent as Zero 2 - Last good known position	GPS Data Masking
11815	Uint8	0	0	1	0 - Disable 1 - Enable	Odometer calculation
11816	Uint8	0	0	3	0 - Disable 1 - Towing detection 2 - Unplug detection 4 - Crash detection 8 - Autogeofence 15 - Enable All	Deactivate by
11849	Uint8	0	0	1	0 - External 1 - Weekly Schedule	Trigger Type

## Weekly Schedule parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11839	Uint16	0	-720	840	GMT+	Time Zone

## Daylight saving scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11840</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Daylight Saving
<b>11841</b>	Uint8	0	0	4	0 - First 1 - Second 2 - Third 3 - Fourth 4 - Fifth/Last	Start on DLS* week
<b>11842</b>	Uint8	1	1	12	1 - January 2 - February 3 - March 4 - April 5 - May 6 - June 7 - July 8 - August 9 - September 10 - October 11 - November 12 - December	Start on DLS* Month
<b>11843</b>	Uint8	0	0	6	0 - Monday 1 - Tuesday 2 - Wednesday 3 - Thursday 4 - Friday 5 - Saturday 6 - Sunday	Start on DLS* Day
<b>11844</b>	Uint16	0	0	1140	Minutes	Start on DLS* Time
<b>11845</b>	Uint8	0	0	4	0 - First 1 - Second 2 - Third 3 - Fourth 4 - Fifth/Last	End on DLS* Week
<b>11846</b>	Uint8	1	1	12	1 - January 2 - February 3 - March 4 - April 5 - May 6 - June 7 - July 8 - August 9 - September 10 - October 11 - November 12 - December	End on DLS* Month
<b>11847</b>	Uint8	0	0	6	0 - Monday 1 - Tuesday 2 - Wednesday 3 - Thursday 4 - Friday 5 - Saturday 6 - Sunday	End on DLS* Day
<b>11848</b>	Uint16	0	0	1140	Minutes	End on DLS* Time

## Weekly schedule scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11818</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Monday Status
<b>11819</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Monday Start Time
<b>11820</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Monday End Time
<b>11821</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Tuesday Status
<b>11822</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Tuesday Start Time
<b>11823</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Tuesday End Time
<b>11824</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Wednesday Status
<b>11825</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Wednesday Start Time
<b>11826</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Wednesday End Time
<b>11827</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Thursday Status
<b>11828</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Thursday Start Time
<b>11829</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Thursday End Time
<b>11830</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Friday Status
<b>11831</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Friday Start Time
<b>11832</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Friday End Time
<b>11833</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Saturday Status
<b>11834</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Saturday Start Time
<b>11835</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Saturday End Time
<b>11836</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Weekly Schedule Sunday Status
<b>11837</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Sunday Start Time
<b>11838</b>	Uint16	0	0	1140	Minutes	Weekly Schedule Sunday End Time

- - daylight saving

## AutoGeofencing scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>20000</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Priority
<b>20002</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>20003</b>	Uint16	60	0	65535	Seconds	Activation timeout
<b>20001</b>	Uint8	0	0	2	0 - On exiting zone 1 - On entering zone 2 - On both	AutoGeofence event generating

20005	Uint8	0	0	5	0 - Power voltage 1 - Digital input 1 2 - Engine RPM 3 - Digital input 2 4 - Digital input 3 5 - iButton	Deactivate by
20004	Uint32	100	5	1000000	Value	Radius
7030	Uint64	0	0	10	Phone number	Send SMS to
8030	String	"AutoGeofence"	0	160	Text	Sms text

## Manual Geofence

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
20100	Uint8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority
20101	Uint8	0	0	3	0 - No event 1 - On exiting zone 2 - On entering zone 3 - On both	Operand
20102	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
20103	Uint32	1	0	1000000	Border value	Frame border
20104	Uint8	0	0	1	0 - Circle 1 - Rectangle	Shape type
20105	Uint32	5	0	1000000	Metres	Radius
20106	Double	0	-180	180	Coordinate	X1
20107	Double	0	-90	90	Coordinate	Y1
20108	Double	0	-180	180	Coordinate	X2
20109	Double	0	-90	90	Coordinate	Y2
20110	Uint8	0	0	1	0 - Disable 1 - Enable	Overspeeding
20111	Uint16	90	0	1000	km/h	Max allowed speed
7025	Uint8	0	0	10	Phone number	Send SMS to
8025	String	"Geozone Zone #"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Zone number	Parameter													
	Priority	Event generating	Eventual records	Frame border	Shape type	Radius	X1	Y1	X2	Y2	Overspeeding	Max allowed speed	Send sms to	SMS text
1	20100	20101	20102	20103	20104	20105	20106	20107	20108	20109	20110	20111	7025	8025
2	20120	20121	20122	20123	20124	20125	20126	20127	20128	20129	20130	20131	7026	8026
3	20140	20141	20142	20143	20144	20145	20146	20147	20148	20149	20150	20151	7027	8027
4	20160	20161	20162	20163	20164	20165	20166	20167	20168	20169	20170	20171	7028	8028
5	20180	20181	20182	20183	20184	20185	20186	20187	20188	20189	20190	20191	7029	8029
6	20200	20201	20202	20203	20204	20205	20206	20207	20208	20209	20210	20211	7071	8071
7	20220	20221	20222	20223	20224	20225	20226	20227	20228	20229	20230	20231	7072	8072
8	20240	20241	20242	20243	20244	20245	20246	20247	20248	20249	20250	20251	7073	8073
9	20260	20261	20262	20263	20264	20265	20266	20267	20268	20269	20270	20271	7074	8074
10	20280	20281	20282	20283	20284	20285	20286	20287	20288	20289	20290	20291	7075	8075
11	20300	20301	20302	20303	20304	20305	20306	20307	20308	20309	20310	20311	7076	8076
12	20320	20321	20322	20323	20324	20325	20326	20327	20328	20329	20330	20331	7077	8077
13	20340	20341	20342	20343	20344	20345	20346	20347	20348	20349	20350	20351	7078	8078
14	20360	20361	20362	20363	20364	20365	20366	20367	20368	20369	20370	20371	7079	8079
15	20380	20381	20382	20383	20384	20385	20386	20387	20388	20389	20390	20391	7080	8080
16	20400	20401	20402	20403	20404	20405	20406	20407	20408	20409	20410	20411	7081	8081
17	20420	20421	20422	20423	20424	20425	20426	20427	20428	20429	20430	20431	7082	8082
18	20440	20441	20442	20443	20444	20445	20446	20447	20448	20449	20450	20451	7083	8083
19	20460	20461	20462	20463	20464	20465	20466	20467	20468	20469	20470	20471	7084	8084
20	20480	20481	20482	20483	20484	20485	20486	20487	20488	20489	20490	20491	7085	8085
21	20500	20501	20502	20503	20504	20505	20506	20507	20508	20509	20510	20511	7086	8086
22	20520	20521	20522	20523	20524	20525	20526	20527	20528	20529	20530	20531	7087	8087
23	20540	20541	20542	20543	20544	20545	20546	20547	20548	20549	20550	20551	7088	8088
24	20560	20561	20562	20563	20564	20565	20566	20567	20568	20569	20570	20571	7089	8089
25	20580	20581	20582	20583	20584	20585	20586	20587	20588	20589	20590	20591	7090	8090
26	20600	20601	20602	20603	20604	20605	20606	20607	20608	20609	20610	20611	7091	8091
27	20620	20621	20622	20623	20624	20625	20626	20627	20628	20629	20630	20631	7092	8092
28	20640	20641	20642	20643	20644	20645	20646	20647	20648	20649	20650	20651	7093	8093
29	20660	20661	20662	20663	20664	20665	20666	20667	20668	20669	20670	20671	7094	8094
30	20680	20681	20682	20683	20684	20685	20686	20687	20688	20689	20690	20691	7095	8095
31	20700	20701	20702	20703	20704	20705	20706	20707	20708	20709	20710	20711	7096	8096
32	20720	20721	20722	20723	20724	20725	20726	20727	20728	20729	20730	20731	7097	8097

33	20740	20741	20742	20743	20744	20745	20746	20747	20748	20749	20750	20751	7098	8098
34	20760	20761	20762	20763	20764	20765	20766	20767	20768	20769	20770	20771	7099	8099
35	20780	20781	20782	20783	20784	20785	20786	20787	20788	20789	20790	20791	7100	8100
36	20800	20801	20802	20803	20804	20805	20806	20807	20808	20809	20810	20811	7101	8101
37	20820	20821	20822	20823	20824	20825	20826	20827	20828	20829	20830	20831	7102	8102
38	20840	20841	20842	20843	20844	20845	20846	20847	20848	20849	20850	20851	7103	8103
39	20860	20861	20862	20863	20864	20865	20866	20867	20868	20869	20870	20871	7104	8104
40	20880	20881	20882	20883	20884	20885	20886	20887	20888	20889	20890	20891	7105	8105
41	20900	20901	20902	20903	20904	20905	20906	20907	20908	20909	20910	20911	7106	8106
42	20920	20921	20922	20923	20924	20925	20926	20927	20928	20929	20930	20931	7107	8107
43	20940	20941	20942	20943	20944	20945	20946	20947	20948	20949	20950	20951	7108	8108
44	20960	20961	20962	20963	20964	20965	20966	20967	20968	20969	20970	20971	7109	8109
45	20980	20981	20982	20983	20984	20985	20986	20987	20988	20989	20990	20991	7110	8110
46	21000	21001	21002	21003	21004	21005	21006	21007	21008	21009	21010	21011	7111	8111
47	21020	21021	21022	21023	21024	21025	21026	21027	21028	21029	21030	21031	7112	8112
48	21040	21041	21042	21043	21044	21045	21046	21047	21048	21049	21050	21051	7113	8113
49	21060	21061	21062	21063	21064	21065	21066	21067	21068	21069	21070	21071	7114	8114
50	21080	21081	21082	21083	21084	21085	21086	21087	21088	21089	21090	21091	7115	8115

## GPS Fuel counter

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11900	Double	0	0	50	L/100km	City consumption
11901	Double	0	0	50	L/100km	Highway consumption
11902	Double	0	0	50	L/100km	Average consumption
11903	Uint8	30	0	250	km/h	City speed
11904	Uint8	90	0	250	km/h	Highway speed
11905	Uint8	60	0	250	km/h	Average speed
11906	Double	1	0.01	2	Coefficient	Correction coefficient
11907	Double	1	0	5	L/h	Fuel consumption on idling
11908	Uint8	20	0	250	%	Higher speeds add
11909	Uint8	50	0	100	Value	Highway consumption every km/h

## Accelerometer features

### Unplug Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11500	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario setting
11501	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
11502	Uint8	1	0	1	0 - Simple 1 - Advanced	Detection mode
7036	Uint8	0	0	10	Phone number	Send SMS to
8036	String	"Unplug"	0	160	Text	Sms text

### Towing Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11600</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Priority
<b>11601</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11602</b>	Uint16	5	0	65535	Minutes	Activation timeout
<b>11603</b>	Uint8	0	0	60	Seconds	Event timeout
<b>11604</b>	Uint8	0	0	10	Phone number	Make call to
<b>11605</b>	Double	0.22	0.1	5	mG	Threshold
<b>11606</b>	Double	1	0.1	5	Degrees	Angle
<b>11607</b>	Uint16	1000	1	5000	Milliseconds	Duration
<b>7035</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8035</b>	String	"Towing"	0	160	Text	Sms text

## Crash Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11400</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario setting
<b>11401</b>	Uint8	5	0	1000	Milliseconds	Duration
<b>11402</b>	Uint16	1500	0	7900	mG	Threshold
<b>11406</b>	Int8	0	0	1	0 - Disable 1 - Enable	Crash trace
<b>7037</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8037</b>	String	"Crash"	0	160	Text	Sms text

## Excessive Idling

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11200</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
<b>11203</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11205</b>	Uint8	5	0	3600	Seconds	Time to stoped
<b>11206</b>	Uint8	2	0	3600	Seconds	Time to moving
<b>11204</b>	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT 1 2 - DOUT 2	Output control
<b>11201</b>	Int32	200	0	2147483647	Milliseconds	DOUT ON duration
<b>11202</b>	Int32	200	0	2147483647	Milliseconds	DOUT OFF duration
<b>7033</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8033</b>	String	"Idling Event"	0	160	Text	Sms text

# Bluetooth

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
800	UInt8	0	0	2	0 - Disable 1 - Enable hidden 2 - Enable visible	Scenario settings
801	String	"FMB1YX_(last 7 IMEI numbers)"	0	16	ID	Local name
802	String	"5555"	0	4	PIN	Local PIN
803	UInt8	0	0	3	0 - PIN only 1 - PIN and MAC 2 - MAC only 3 - None	Security mode
804	String	0	0	12	MAC	External MAC
805	String	0	0	30	ID	External name
806	String	0	0	8	PIN	External PIN
807	UInt8	0	0	3	0 - None 1 - Hands free 2 - OBDII 3 - Data link	Security mode
830-834	String	-	0	12	MAC list	Authorized devices MAC list

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1100	UInt16	120	120	65535	Seconds	TZ-BT04/05/05B Update frequency
1110	UInt8	4	0	6	0 - 1 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7	BT Power Level
1111	UInt8	0	0	4	ID	BLE broadcasting service ID

## Bluetooth 4.0

### Common Settings

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1115	UInt8	0	0	1	0 - Disable 1 - Enable	Non Stop Scan
1100	Int32	120	30	65535	Seconds	TZ-BT04 Update frequency
1113	Int32	60	5	120	Seconds	BLE Scan duration
1114	Int32	30	0	65535	Seconds	Scan retries until error
1110	Int8	5	1	7	Range in meters: 1 - < 0.5 2 - 0.5 3 - 11 4 - 13 5 - 15 6 - 27 7 - 50	BTPower
1111	String	-	-	TextMaxLength="4"	-	BLE broadcasting service ID



1112	Int8	1	0	1	0 - Prohibit 1 - Allow	BLE connection control
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## BLE functionalities Connection #1

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1200	UInt8	0	0	2	0 - Disabled 1 - TZ-BT04/05/05B sensor 2 - Efento sensor	Working mode
1201	UInt8	0	0	8	ID	TZ-BT04/05/05B sensor ID
1202	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #2

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1250	UInt8	0	0	2	0 - Disabled 1 - TZ-BT04/05/05B sensor 2 - Efento sensor	Working mode
1251	UInt8	0	0	8	ID	TZ-BT04/05/05B sensor ID
1252	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #3

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1300	UInt8	0	0	2	0 - Disabled 1 - TZ-BT04/05/05B sensor 2 - Efento sensor	Working mode
1301	UInt8	0	0	8	ID	TZ-BT04/05/05B sensor ID
1302	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #4

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
1350	UInt8	0	0	2	0 - Disabled 1 - TZ-BT04/05/05B sensor 2 - Efento sensor	Working mode
1351	UInt8	-	0	8	ID	TZ-BT04/05/05B sensor ID
1352	String	0	0	12	MAC	Efento sensor MAC

## Beacon List Parameters

Parameter ID	Parameter Type	Default value	Value Range		Value	Parameter Name
			Min	Max		
134	UInt8	0	0	2	0 - Disabled 1 - All 2 - Configured	Beacon Detection
136	UInt8	0	0	1	0 - Eventual 1 - Periodic	Beacon Record

137	UInt32	60	0	259200	Seconds	Record Period on Move (s)
139	UInt32	60	0	259200	Seconds	Record Period on Stop (s)

### Beacon List

Parameter ID	iBeacon	EddyStone
1600		
...	UUID:Major:Minor	Namespace:Instance ID
1624		

Example:

<login><space><password><space>setparam

1600:4B5C049F515341FCA950D2C264414E10-0005-0006

<login><space><password><space>setparam 1600:00112233445566778899-ABCDE0810047

## Tracking on Demand

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10990	UInt8	10	5	60	Tracking period
10991	UInt16	600	300	3600	Tracking duration

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
10992	UInt32	0	0	131072	0 - Disable	Activation by
					1 - DIN1	
					2 - DIN2	
					4 - DIN3	
					8 - DIN4	
					65536 - AIN1	
					131072 - AIN2	

==iButton List==

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
30000-33999	UInt64	0	0	0xFFFFFFFF	ID	iButton ID list

## I/O parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
50000	UInt8	1	0	3	Ignition <a href="#">Priority</a>
50001	UInt8	5	0	6	Ignition <a href="#">Operand</a>
50002	UInt8	0	0	1	Ignition High level
50003	UInt8	0	0	1	Ignition Low level
50004	UInt8	0	0	1	Ignition <a href="#">Event only</a>
50005	UInt16	10	0	65535	Ignition Average
7000	UInt8	0	0	10	Send SMS
8000	String	0	0	160	SMS Text
50010	UInt8	1	0	3	Movement <a href="#">Priority</a>
50011	UInt8	5	0	6	Movement <a href="#">Operand</a>

50012	UInt8	0	0	1	Movement High level
50013	UInt8	0	0	1	Movement Low level
50014	UInt8	0	0	1	Movement <a href="#">Event only</a>
50015	UInt16	1	0	65535	Movement Average
7001	UInt8	0	0	10	Send SMS
8001	String	0	0	160	SMS Text
50020	UInt8	1	0	3	Data Mode <a href="#">Priority</a>
50021	UInt8	3	0	6	Data Mode Operand
50022	UInt8	0	0	5	Data Mode High level
50023	UInt8	0	0	5	Data Mode Low level
50024	UInt8	0	0	1	Data Mode <a href="#">Event only</a>
7002	UInt8	0	0	10	Send SMS
8002	String	0	0	160	SMS Text
50030	UInt8	1	0	3	GSM Signal <a href="#">Priority</a>
50031	UInt8	3	0	6	GSM Signal <a href="#">Operand</a>
50032	UInt8	0	0	5	GSM Signal High level
50033	UInt8	0	0	5	GSM Signal Low level
50034	UInt8	0	0	1	GSM Signal <a href="#">Event only</a>
50035	UInt16	1	0	65535	GSM Signal Average
7003	UInt8	0	0	10	Send SMS
8003	String	0	0	160	SMS Text
50040	UInt8	1	0	3	Deep Sleep <a href="#">Priority</a>
50041	UInt8	3	0	6	Deep Sleep <a href="#">Operand</a>
50042	UInt8	0	0	2	Deep Sleep High level
50043	UInt8	0	0	2	Deep Sleep Low level
50044	UInt8	0	0	1	Deep Sleep <a href="#">Event only</a>
7004	UInt8	0	0	10	Send SMS
8004	String	0	0	160	SMS Text
50050	UInt8	1	0	3	GNSS Status <a href="#">Priority</a>
50051	UInt8	3	0	6	GNSS Status <a href="#">Operand</a>
50052	UInt8	0	0	5	GNSS Status High level
50053	UInt8	0	0	5	GNSS Status Low level
50053	UInt8	0	0	1	GNSS Status <a href="#">Event only</a>
7005	UInt8	0	0	10	Send SMS
8005	String	0	0	160	SMS Text
50060	UInt8	0	0	3	GNSS PDOP <a href="#">Priority</a>
5061	UInt8	3	0	6	GNSS PDOP <a href="#">Operand</a>
5062	UInt16	0	0	1000	GNSS PDOP High level
5063	UInt16	0	0	1000	GNSS PDOP Low level
5064	UInt8	0	0	1	GNSS PDOP <a href="#">Event only</a>
5065	UInt16	10	0	65535	GNSS PDOP Average
7006	UInt8	0	0	10	Send SMS
8006	String	0	0	160	SMS Text
50070	UInt8	1	0	3	GNSS HDOP <a href="#">Priority</a>
50071	UInt8	3	0	6	GNSS HDOP <a href="#">Operand</a>
50072	UInt16	0	0	1000	GNSS HDOP High level
50073	UInt16	0	0	1000	GNSS HDOP Low level
50074	UInt8	0	0	1	GNSS HDOP <a href="#">Event only</a>
50075	UInt16	10	0	65535	GNSS HDOP Average
7007	UInt8	0	0	10	Send SMS
8007	String	0	0	160	SMS Text
50080	UInt8	1	0	3	External Voltage <a href="#">Priority</a>
50081	UInt8	6	0	6	External Voltage <a href="#">Operand</a>
50082	UInt16	1000	0	60000	External Voltage High level
50083	UInt16	0	0	60000	External Voltage Low level
50084	UInt8	0	0	1	External Voltage <a href="#">Event only</a>
50085	UInt16	10	0	65535	External Voltage Average
7008	UInt8	0	0	10	Send SMS
8008	String	0	0	160	SMS Text

50090	UInt8	1	0	3	Speed <a href="#">Priority</a>
50091	UInt8	3	0	6	Speed <a href="#">Operand</a>
50092	UInt16	0	0	300	Speed High level
50093	UInt16	0	0	300	Speed Low level
50094	UInt8	0	0	1	Speed <a href="#">Event only</a>
50095	UInt16	1	0	65535	Speed Average
7009	UInt8	0	0	10	Send SMS
8009	String	0	0	160	SMS Text
50100	UInt8	0	0	3	GSM Cell ID <a href="#">Priority</a>
50101	UInt8	3	0	6	GSM Cell ID <a href="#">Operand</a>
50102	UInt32	0	0	999999	GSM Cell ID High level
50103	UInt32	0	0	999999	GSM Cell ID Low level
50104	UInt8	0	0	1	GSM Cell ID <a href="#">Event only</a>
7010	UInt8	0	0	10	Send SMS
8010	String	0	0	160	SMS Text
50110	UInt8	0	0	3	GSM Area Code <a href="#">Priority</a>
50111	UInt8	3	0	6	GSM Area Code <a href="#">Operand</a>
50112	UInt32	0	0	999999	GSM Area Code High level
50113	UInt32	0	0	999999	GSM Area Code Low level
50114	UInt8	0	0	1	GSM Area Code <a href="#">Event only</a>
7011	UInt8	0	0	10	Send SMS
8011	String	0	0	160	SMS Text
50120	UInt8	1	0	3	Battery Voltage <a href="#">Priority</a>
50121	UInt8	3	0	6	Battery Voltage <a href="#">Operand</a>
50122	UInt16	0	0	5000	Battery Voltage High level
50123	UInt16	0	0	5000	Battery Voltage Low level
50124	UInt8	0	0	1	Battery Voltage <a href="#">Event only</a>
50125	UInt8	0	0	10	Battery Voltage Average
7012	UInt8	0	0	10	Send SMS
8012	String	0	0	160	SMS Text
50130	UInt8	1	0	3	Battery Current <a href="#">Priority</a>
50131	UInt8	3	0	6	Battery Current <a href="#">Operand</a>
50132	UInt16	0	0	5000	Battery Current High level
50133	UInt16	0	0	5000	Battery Current Low level
50134	UInt8	0	0	1	Battery Current <a href="#">Event only</a>
50135	UInt8	0	0	10	Battery Current Average
7013	UInt8	0	0	10	Send SMS
8013	String	0	0	160	SMS Text
50140	UInt8	0	0	3	Active GSM Operator <a href="#">Priority</a>
50141	UInt8	3	0	6	Active GSM Operator <a href="#">Operand</a>
50142	UInt32	0	0	999999	Active GSM Operator High level
50143	UInt32	0	0	999999	Active GSM Operator Low level
50144	UInt8	0	0	1	Active GSM Operator <a href="#">Event only</a>
7014	UInt8	0	0	10	Send SMS
8014	String	0	0	160	SMS Text
50150	UInt8	0	0	3	Trip Odometer <a href="#">Priority</a>
50151	UInt8	3	0	6	Trip Odometer <a href="#">Operand</a>
50152	UInt32	0	0	1000000	Trip Odometer High level
50153	UInt32	0	0	1000000	Trip Odometer Low level
50154	UInt8	0	0	1	Trip Odometer <a href="#">Event only</a>
7015	UInt8	0	0	10	Send SMS
8015	String	0	0	160	SMS Text
50160	UInt8	0	0	3	Total Odometer <a href="#">Priority</a>
50161	UInt8	3	0	6	Total Odometer <a href="#">Operand</a>
50162	UInt32	0	0	10000000	Total Odometer High level
50163	UInt32	0	0	10000000	Total Odometer Low level
50164	UInt8	0	0	1	Total Odometer <a href="#">Event only</a>
7016	UInt8	0	0	10	Send SMS
8016	String	0	0	160	SMS Text

50170	UInt8	0	0	3	Digital Input 1 <a href="#">Priority</a>
50171	UInt8	3	0	6	Digital Input 1 <a href="#">Operand</a>
50172	UInt8	0	0	1	Digital Input 1 High level
50173	UInt8	0	0	1	Digital Input 1 Low level
50174	UInt8	0	0	1	Digital Input 1 <a href="#">Event only</a>
50175	UInt16	1	0	65535	Digital Input 1 Average
7017	UInt8	0	0	10	Send SMS
8017	String	0	0	160	SMS Text
50180	UInt8	0	0	3	Analog Input 1 <a href="#">Priority</a>
50181	UInt8	3	0	6	Analog Input 1 <a href="#">Operand</a>
50182	UInt16	0	0	30000	Analog Input 1 High level
50183	UInt16	0	0	30000	Analog Input 1 Low level
50184	UInt8	0	0	1	Analog Input 1 <a href="#">Event only</a>
50185	UInt16	10	0	65535	Analog Input 1 Average
7018	UInt8	0	0	10	Send SMS
8018	String	0	0	160	SMS Text
50190	UInt8	0	0	3	Digital Output 1 <a href="#">Priority</a>
50191	UInt8	0	0	6	Digital Output 1 <a href="#">Operand</a>
50192	UInt8	0	0	1	Digital Output 1 High level
50193	UInt8	0	0	1	Digital Output 1 Low level
50194	UInt8	0	0	1	Digital Output 1 <a href="#">Event only</a>
50195	UInt16	1	0	65535	Digital Output 1 Average
7019	UInt8	0	0	10	Send SMS
8019	String	0	0	160	SMS Text
50200	UInt8	0	0	3	Fuel Used GPS <a href="#">Priority</a>
50201	UInt8	3	0	6	Fuel Used GPS <a href="#">Operand</a>
50202	UInt32	0	0	1000000	Fuel Used GPS High level
50203	UInt32	0	0	1000000	Fuel Used GPS Low level
50204	UInt8	0	0	1	Fuel Used GPS <a href="#">Event only</a>
50205	UInt16	1	0	65535	Fuel Used GPS Average
7020	UInt8	0	0	10	Send SMS
8020	String	0	0	160	SMS Text
50210	UInt8	0	0	3	Fuel Rate GPS <a href="#">Priority</a>
50211	UInt8	3	0	6	Fuel Rate GPS <a href="#">Operand</a>
50212	UInt32	0	0	1000000	Fuel Rate GPS High level
50213	UInt32	0	0	1000000	Fuel Rate GPS Low level
50214	UInt8	0	0	1	Fuel Rate GPS <a href="#">Event only</a>
50215	UInt16	1	0	65535	Fuel Rate GPS Average
7021	UInt8	0	0	10	Send SMS
8021	String	0	0	160	SMS Text
50220	UInt8	0	0	3	Axis X <a href="#">Priority</a>
50221	UInt8	3	0	6	Axis X <a href="#">Operand</a>
50222	UInt16	0	-8000	8000	Axis X High level
50223	UInt16	0	-8000	8000	Axis X Low level
50224	UInt8	0	0	1	Axis X <a href="#">Event only</a>
50225	UInt16	1	0	65535	Axis X Average
7022	UInt8	0	0	10	Send SMS
8022	String	0	0	160	SMS Text
50230	UInt8	0	0	3	Axis Y <a href="#">Priority</a>
50231	UInt8	3	0	6	Axis Y <a href="#">Operand</a>
50232	UInt16	0	-8000	8000	Axis Y High level
50233	UInt16	0	-8000	8000	Axis Y Low level
50234	UInt8	0	0	1	Axis Y <a href="#">Event only</a>
50235	UInt16	1	0	65535	Axis Y Average
7023	UInt8	0	0	10	Send SMS
8023	String	0	0	160	SMS Text
50240	UInt8	0	0	3	Axis Z <a href="#">Priority</a>
50241	UInt8	3	0	6	Axis Z <a href="#">Operand</a>
50242	UInt16	0	-8000	8000	Axis Z High level

50243	Uint16	0	-8000	8000	Axis Z Low level
50244	Uint8	0	0	1	Axis Z <a href="#">Event only</a>
50245	Uint16	1	0	65535	Axis Z Average
7024	Uint8	0	0	10	Send SMS
8024	String	0	0	160	SMS Text
50250	Uint8	0	0	3	ICCID <a href="#">Priority</a>
50251	Uint8	3	0	6	ICCID <a href="#">Operand</a>
50254	Uint8	0	0	1	ICCID <a href="#">Event only</a>
7069	Uint8	0	0	10	Send SMS
8069	String	0	0	160	SMS Text
50260	Uint8	0	0	3	SD Status <a href="#">Priority</a>
50261	Uint8	3	0	6	SD Status <a href="#">Operand</a>
50262	Uint8	0	0	1	SD Status High level
50263	Uint8	0	0	1	SD Status Low level
7070	Uint8	0	0	10	Send SMS
8070	String	0	0	160	SMS Text
50270	Uint8	0	0	3	Digital Input 2 <a href="#">Priority</a>
50271	Uint8	3	0	6	Digital Input 2 <a href="#">Operand</a>
50272	Uint8	0	0	1	Digital Input 2 High level
50273	Uint8	0	0	1	Digital Input 2 Low level
50274	Uint8	0	0	1	Digital Input 2 <a href="#">Event only</a>
50275	Uint16	0	0	65535	Digital Input 2 Average
7116	Uint8	0	0	10	Send SMS
8116	String	0	0	160	SMS Text
50280	Uint8	0	0	3	Digital Input 3 <a href="#">Priority</a>
50281	Uint8	3	0	6	Digital Input 3 <a href="#">Operand</a>
50282	Uint8	0	0	1	Digital Input 3 High level
50283	Uint8	0	0	1	Digital Input 3 Low level
50284	Uint8	0	0	1	Digital Input 3 <a href="#">Event only</a>
50285	Uint16	0	0	65535	Digital Input 3 Average
7117	Uint8	0	0	10	Send SMS
8117	String	0	0	160	SMS Text
50290	Uint8	0	0	3	Analog Input 2 <a href="#">Priority</a>
50291	Uint8	3	0	6	Analog Input 2 <a href="#">Operand</a>
50292	Uint16	0	0	30000	Analog Input 2 High level
50293	Uint16	0	0	30000	Analog Input 2 Low level
50294	Uint8	0	0	1	Analog Input 2 <a href="#">Event only</a>
50295	Uint16	0	0	65535	Analog Input 2 Average
7117	Uint8	0	0	10	Send SMS
8117	String	0	0	160	SMS Text
50300	Uint8	0	0	3	Digital Output 2 <a href="#">Priority</a>
50301	Uint8	3	0	6	Digital Output 2 <a href="#">Operand</a>
50302	Uint8	0	0	1	Digital Output 2 High level
50303	Uint8	0	0	1	Digital Output 2 Low level
50304	Uint8	0	0	1	Digital Output 2 <a href="#">Event only</a>
50305	Uint16	1	0	65535	Digital Output 2 Average
7119	Uint8	0	0	10	Send SMS
8119	String	0	0	160	SMS Text
50310	Uint8	0	0	3	Dallas Temperature 1 <a href="#">Priority</a>
50311	Uint8	3	0	6	Dallas Temperature 1 <a href="#">Operand</a>
50312	Int8	0	-55	125	Dallas Temperature 1 High level
50313	Int8	0	-55	125	Dallas Temperature 1 Low level
50314	Uint8	0	0	1	Dallas Temperature 1 <a href="#">Event only</a>
50315	Uint16	0	0	65535	Dallas Temperature 1 Average
7120	Uint8	0	0	10	Send SMS
8120	String	0	0	160	SMS Text
50320	Uint8	0	0	3	Dallas Temperature 2 <a href="#">Priority</a>
50321	Uint8	3	0	6	Dallas Temperature 2 <a href="#">Operand</a>
50322	Int8	0	-55	125	Dallas Temperature 2 High level

50323	Int8	0	-55	125	Dallas Temperature 2 Low level
50324	UInt8	0	0	1	Dallas Temperature 2 <a href="#">Event only</a>
50325	UInt16	0	0	65535	Dallas Temperature 2 Average
7121	UInt8	0	0	10	Send SMS
8121	String	0	0	160	SMS Text
50330	UInt8	0	0	3	Dallas Temperature 3 <a href="#">Priority</a>
50331	UInt8	3	0	6	Dallas Temperature 3 <a href="#">Operand</a>
50332	Int8	0	-55	125	Dallas Temperature 3 High level
50333	Int8	0	-55	125	Dallas Temperature 3 Low level
50334	UInt8	0	0	1	Dallas Temperature 3 <a href="#">Event only</a>
50335	UInt16	0	0	65535	Dallas Temperature 3 Average
7122	UInt8	0	0	10	Send SMS
8122	String	0	0	160	SMS Text
50340	UInt8	0	0	3	Dallas Temperature 4 <a href="#">Priority</a>
50341	UInt8	3	0	6	Dallas Temperature 4 <a href="#">Operand</a>
50342	Int8	0	-55	125	Dallas Temperature 4 High level
50343	Int8	0	-55	125	Dallas Temperature 4 Low level
50344	UInt8	0	0	1	Dallas Temperature 4 <a href="#">Event only</a>
50345	UInt16	0	0	65535	Dallas Temperature 4 Average
7123	UInt8	0	0	10	Send SMS
8123	String	0	0	160	SMS Text
50350	UInt8	0	0	3	Dallas Temperature ID 1 <a href="#">Priority</a>
50351	UInt8	3	0	6	Dallas Temperature ID 1 <a href="#">Operand</a>
50352	UInt32	0	0	999999999	Dallas Temperature ID 1 High level
50353	UInt32	0	0	999999999	Dallas Temperature ID 1 Low level
50354	UInt8	0	0	1	Dallas Temperature ID 1 <a href="#">Event only</a>
50355	UInt16	0	0	65535	Dallas Temperature ID 1 Average
7124	UInt8	0	0	10	Send SMS
8124	String	0	0	160	SMS Text
50360	UInt8	0	0	3	Dallas Temperature ID 2 <a href="#">Priority</a>
50361	UInt8	3	0	6	Dallas Temperature ID 2 <a href="#">Operand</a>
50362	UInt32	0	0	999999999	Dallas Temperature ID 2 High level
50363	UInt32	0	0	999999999	Dallas Temperature ID 2 Low level
50364	UInt8	0	0	1	Dallas Temperature ID 2 <a href="#">Event only</a>
50365	UInt16	0	0	65535	Dallas Temperature ID 2 Average
7125	UInt8	0	0	10	Send SMS
8125	String	0	0	160	SMS Text
50370	UInt8	0	0	3	Dallas Temperature ID 3 <a href="#">Priority</a>
50371	UInt8	3	0	6	Dallas Temperature ID 3 <a href="#">Operand</a>
50372	UInt32	0	0	999999999	Dallas Temperature ID 3 High level
50373	UInt32	0	0	999999999	Dallas Temperature ID 3 Low level
50374	UInt8	0	0	1	Dallas Temperature ID 3 <a href="#">Event only</a>
50375	UInt16	0	0	65535	Dallas Temperature ID 3 Average
7126	UInt8	0	0	10	Send SMS
8126	String	0	0	160	SMS Text
50380	UInt8	0	0	3	Dallas Temperature ID 4 <a href="#">Priority</a>
50381	UInt8	3	0	6	Dallas Temperature ID 4 <a href="#">Operand</a>
50382	UInt32	0	0	999999999	Dallas Temperature ID 4 High level
50383	UInt32	0	0	999999999	Dallas Temperature ID 4 Low level
50384	UInt8	0	0	1	Dallas Temperature ID 4 <a href="#">Event only</a>
50385	UInt16	0	0	65535	Dallas Temperature ID 4 Average
7127	UInt8	0	0	10	Send SMS
8127	String	0	0	160	SMS Text
50390	UInt8	0	0	3	iButton <a href="#">Priority</a>
50391	UInt8	3	0	6	iButton <a href="#">Operand</a>
50392	UInt32	0	0	999999999	iButton High level
50393	UInt32	0	0	999999999	iButton Low level
50394	UInt8	0	0	1	iButton <a href="#">Event only</a>
50395	UInt16	0	0	65535	iButton Average

7128	Uint8	0	0	10	Send SMS
8128	String	0	0	160	SMS Text
50400	Uint8	0	0	3	RFID <a href="#">Priority</a>
50401	Uint8	3	0	6	RFID <a href="#">Operand</a>
50402	Uint8	0	0	999999999	RFID High level
50403	Uint8	0	0	999999999	RFID Low level
50404	Uint8	0	0	1	RFID <a href="#">Event only</a>
50405	Uint16	1	0	65535	RFID Average
7129	Uint8	0	0	10	Send SMS
8129	String	0	0	160	SMS Text
50410	Uint8	0	0	3	LLS1 Fuel Level <a href="#">Priority</a>
50411	Uint8	3	0	6	LLS1 Fuel Level <a href="#">Operand</a>
50412	Uint8	0	0	65535	LLS1 Fuel Level High level
50413	Uint8	0	0	65535	LLS1 Fuel Level Low level
50414	Uint8	0	0	1	LLS1 Fuel Level <a href="#">Event only</a>
50415	Uint16	1	0	65535	LLS1 Fuel Level Average
7130	Uint8	0	0	10	Send SMS
8130	String	0	0	160	SMS Text
50420	Uint8	0	0	3	LLS2 Fuel Level <a href="#">Priority</a>
50421	Uint8	3	0	6	LLS2 Fuel Level <a href="#">Operand</a>
50422	Uint8	0	0	65535	LLS2 Fuel Level High level
50423	Uint8	0	0	65535	LLS2 Fuel Level Low level
50424	Uint8	0	0	1	LLS2 Fuel Level <a href="#">Event only</a>
50425	Uint16	1	0	65535	LLS2 Fuel Level Average
7131	Uint8	0	0	10	Send SMS
8131	String	0	0	160	SMS Text
50430	Uint8	0	0	3	LLS3 Fuel Level <a href="#">Priority</a>
50431	Uint8	3	0	6	LLS3 Fuel Level <a href="#">Operand</a>
50432	Uint8	0	0	65535	LLS3 Fuel Level High level
50433	Uint8	0	0	65535	LLS3 Fuel Level Low level
50434	Uint8	0	0	1	LLS3 Fuel Level <a href="#">Event only</a>
50435	Uint16	1	0	65535	LLS3 Fuel Level Average
7132	Uint8	0	0	10	Send SMS
8132	String	0	0	160	SMS Text
50440	Uint8	0	0	3	LLS4 Fuel Level <a href="#">Priority</a>
50441	Uint8	3	0	6	LLS4 Fuel Level <a href="#">Operand</a>
50442	Uint8	0	0	65535	LLS4 Fuel Level High level
50443	Uint8	0	0	65535	LLS4 Fuel Level Low level
50444	Uint8	0	0	1	LLS4 Fuel Level <a href="#">Event only</a>
50445	Uint16	1	0	65535	LLS4 Fuel Level Average
7133	Uint8	0	0	10	Send SMS
8133	String	0	0	160	SMS Text
50450	Uint8	0	0	3	LLS5 Fuel Level <a href="#">Priority</a>
50451	Uint8	3	0	6	LLS5 Fuel Level <a href="#">Operand</a>
50452	Uint8	0	0	65535	LLS5 Fuel Level High level
50453	Uint8	0	0	65535	LLS5 Fuel Level Low level
50454	Uint8	0	0	1	LLS5 Fuel Level <a href="#">Event only</a>
50455	Uint16	1	0	65535	LLS5 Fuel Level Average
7134	Uint8	0	0	10	Send SMS
8134	String	0	0	160	SMS Text
50460	Uint8	0	0	3	LLS1 Temperature <a href="#">Priority</a>
50461	Uint8	3	0	6	LLS1 Temperature <a href="#">Operand</a>
50462	Uint8	0	-128	127	LLS1 Temperature High level
50463	Uint8	0	-128	127	LLS1 Temperature Low level
50464	Uint8	0	0	1	LLS1 Temperature <a href="#">Event only</a>
50465	Uint16	1	0	65535	LLS1 Temperature Average
7135	Uint8	0	0	10	Send SMS
8135	String	0	0	160	SMS Text
50470	Uint8	0	0	3	LLS2 Temperature <a href="#">Priority</a>



50471	UInt8	3	0	6	LLS2 Temperature <a href="#">Operand</a>
50472	UInt8	0	-128	127	LLS2 Temperature High level
50473	UInt8	0	-128	127	LLS2 Temperature Low level
50474	UInt8	0	0	1	LLS2 Temperature <a href="#">Event only</a>
50475	UInt16	1	0	65535	LLS2 Temperature Average
7136	UInt8	0	0	10	Send SMS
8136	String	0	0	160	SMS Text
50480	UInt8	0	0	3	LLS3 Temperature <a href="#">Priority</a>
50481	UInt8	3	0	6	LLS3 Temperature <a href="#">Operand</a>
50482	UInt8	0	-128	127	LLS3 Temperature High level
50483	UInt8	0	-128	127	LLS3 Temperature Low level
50484	UInt8	0	0	1	LLS3 Temperature <a href="#">Event only</a>
50485	UInt16	1	0	65535	LLS3 Temperature Average
7137	UInt8	0	0	10	Send SMS
8137	String	0	0	160	SMS Text
50490	UInt8	0	0	3	LLS4 Temperature <a href="#">Priority</a>
50491	UInt8	3	0	6	LLS4 Temperature <a href="#">Operand</a>
50492	UInt8	0	-128	127	LLS4 Temperature High level
50493	UInt8	0	-128	127	LLS4 Temperature Low level
50494	UInt8	0	0	1	LLS4 Temperature <a href="#">Event only</a>
50495	UInt16	1	0	65535	LLS4 Temperature Average
7138	UInt8	0	0	10	Send SMS
8138	String	0	0	160	SMS Text
50500	UInt8	0	0	3	LLS5 Temperature <a href="#">Priority</a>
50501	UInt8	3	0	6	LLS5 Temperature <a href="#">Operand</a>
50502	UInt8	0	-128	127	LLS5 Temperature High level
50503	UInt8	0	-128	127	LLS5 Temperature Low level
50504	UInt8	0	0	1	LLS5 Temperature <a href="#">Event only</a>
50505	UInt16	1	0	65535	LLS5 Temperature Average
7139	UInt8	0	0	10	Send SMS
8139	String	0	0	160	SMS Text
50510	UInt8	0	0	3	Eco Score <a href="#">Priority</a>
50511	UInt8	3	0	6	Eco Score <a href="#">Operand</a>
50512	UInt8	0	0	1	Eco Score High level
50513	UInt8	0	0	1	Eco Score Low level
50514	UInt8	0	0	1	Eco Score <a href="#">Event only</a>
7220	UInt8	0	0	10	Send SMS
8220	String	0	0	160	SMS Text
50690	UInt8	0	0	3	Battery level % <a href="#">Priority</a>
50691	UInt8	0	0	6	Battery level % <a href="#">Operand</a>
50692	UInt8	0	0	100	Battery level % High level
50693	UInt8	0	0	100	Battery level % Low level
50694	UInt8	0	0	1	Battery level % <a href="#">Event only</a>
50695	UInt16	1	0	65535	Battery level % Average
7243	UInt8	0	0	10	Send SMS
8243	String	0	0	160	SMS Text
50720	UInt8	0	0	3	BT Status <a href="#">Priority</a>
50721	UInt8	5	0	6	BT Status <a href="#">Operand</a>
50722	UInt8	0	0	4	BT Status High level
50723	UInt8	0	0	3	BT Status Low level
50724	UInt8	0	0	1	BT Status <a href="#">Event only</a>
50725	UInt16	1	0	65535	BT Status Average
7250	UInt8	0	0	10	Send SMS
8250	String	0	0	160	SMS Text
51730	UInt8	0	0	3	ISO6709 Coordinates <a href="#">Priority</a>
51731	UInt8	3	0	6	ISO6709 Coordinates <a href="#">Operand</a>
51734	UInt8	0	0	2	ISO6709 Coordinates <a href="#">Event only</a>
7376	UInt8	0	0	10	Send SMS
8376	String	0	0	160	SMS Text

## Parameters

Parameter name	Value
<b>Priority</b>	0 - Disabled
	1 - Low
	2 - High
	3 - Panic
<b>Operand</b>	0 - On Exit
	1 - On Entrance
	2 - On Both
	3 - Monitoring
	4 - On Hysteresis
	5 - On Change
<b>Event only</b>	0 - Disabled
	1 - Enabled

## OBD II (Bluetooth)

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>40100</b>	Uint8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority
<b>40101</b>	Uint8	3	0	6	0 - On range exit 1 - On range entrance 2 - On both 3 - Monitoring 4 - Hysteresis 5 - On change 6 - On delta change	Operand
<b>40102</b>	Uint8	0	0	255	High value	High level
<b>40103</b>	Uint8	0	0	255	Low value	Low level
<b>40104</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Event only
<b>7038</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8038</b>	String	"Number of DTC"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Name	Parameter						
	Priority	Low level	High level	Event only	Operand	Send SMS to	SMS text
Number Of DTC	<b>40100</b>	<b>40103</b>	<b>40102</b>	<b>40104</b>	<b>40101</b>	<b>7038</b>	<b>8038</b>
Engine Load	<b>40110</b>	<b>40113</b>	<b>40112</b>	<b>40114</b>	<b>40111</b>	<b>7039</b>	<b>8039</b>
Coolant Temperature	<b>40120</b>	<b>40123</b>	<b>40122</b>	<b>40124</b>	<b>40121</b>	<b>7040</b>	<b>8040</b>
Short Fuel Trim	<b>40130</b>	<b>40133</b>	<b>40132</b>	<b>40134</b>	<b>40131</b>	<b>7041</b>	<b>8041</b>
Fuel Pressure	<b>40140</b>	<b>40143</b>	<b>40142</b>	<b>40144</b>	<b>40141</b>	<b>7042</b>	<b>8042</b>
Intake Map	<b>40150</b>	<b>40153</b>	<b>40152</b>	<b>40154</b>	<b>40151</b>	<b>7043</b>	<b>8043</b>
Engine RPM	<b>40160</b>	<b>40163</b>	<b>40162</b>	<b>40164</b>	<b>40161</b>	<b>7044</b>	<b>8044</b>
Vehicle speed	<b>40170</b>	<b>40173</b>	<b>40172</b>	<b>40174</b>	<b>40171</b>	<b>7045</b>	<b>8045</b>
Timing advance	<b>40180</b>	<b>40183</b>	<b>40182</b>	<b>40184</b>	<b>40181</b>	<b>7046</b>	<b>8046</b>

Intake air temperature	40190	40193	40192	40194	40191	7047	8047
MAF	40200	40203	40202	40204	40201	7048	8048
Throttle position	40210	40213	40212	40214	40211	7049	8049
Run time since engine start	40220	40223	40222	40224	40221	7050	8050
Distance traveled MIL on	40230	40233	40232	40234	40231	7051	8051
Relative fuel rail pressure	40240	40243	40242	40244	40241	7052	8052
Direct fuel rail pressure	40250	40253	40252	40254	40251	7053	8053
Commanded EGR	40260	40263	40262	40264	40261	7054	8054
EGR error	40270	40273	40272	40274	40271	7055	8055
Fuel level	40280	40283	40282	40284	40281	7056	8056
Distance traveled since codes clear	40290	40293	40292	40294	40291	7057	8057
Barometric pressure	40300	40303	40302	40304	40301	7058	8058
Control module voltage	40310	40313	40312	40314	40311	7059	8059
Absolute load value	40320	40323	40322	40324	40321	7060	8060
Ambient air temperature	40330	40333	40332	40334	40331	7061	8061
Time run with MIL on	40340	40343	40342	40344	40341	7062	8062
Time since trouble codes cleared	40350	40353	40352	40354	40351	7063	8063
Fuel Type	40560	40563	40562	40564	40561	7633	8633
Absolute fuel rail pressure	40360	40363	40362	40364	40361	7064	8064
Hybrid battery pack remaining life	40370	40373	40372	40374	40371	7065	8065
Engine oil temperature	40380	40383	40382	40384	40381	7066	8066
Fuel injection timing	40390	40393	40392	40394	40391	7067	8067
Fuel Rate	40400	40403	40402	40404	40401	7068	8068
Command Equivalence Ratio	40460	40463	40462	40464	40461	7524	8524
Intake MAP (2 Bytes)	40470	40473	40472	40474	40471	7525	8525
Hybrid Vehicle System Voltage	40480	40483	40482	40484	40481	7526	8526
Hybrid Vehicle System Current	40490	40493	40492	40494	40491	7527	8527
Fault Codes	40420	-	-	40424	40421	7264	8264
VIN	40410	-	-	40414	40411	7241	8241
OEM Total Mileage	40430	40433	40432	40434	40431	7522	8522
OEM Fuel Level	40440	40443	40442	40444	40441	7529	8529
OEM Remaining Distance	40520	40523	40522	40524	40521	7628	8628
OEM Battery Charge State	40570	40573	40572	40574	40571	7634	8634
OEM Battery Charge Level	40580	40583	40582	40584	40581	7635	8635

## LVCAN

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
45000	UInt8	0	0	2	0 - Auto detect 1 - LV-CAN200 2 - ALL-CAN300	LVCAN Mode
45001	UInt8	0	0	1	0 - Disable 1 - Enable	Send data with 0, if ignition is off
45002	UInt16	0	0	999	Value	Program number
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
45100	UInt8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority
45101	UInt8	3	0	6	0 - On range exit 1 - On range entrance 2 - On both 3 - Monitoring 4 - Hysteresis 5 - On change 6 - On delta change	Operand
45102	UInt8	0	0	255	High value	High level
45103	UInt8	0	0	255	Low value	Low level
45104	UInt8	0	0	1	0 - Disable 1 - Enable	Event only

<b>45105</b>	Uint16	10	0	65535	Value	Averaging constant
<b>7141</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>81411</b>	String	"LVC Vehicle speed"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Name	Parameter							
	Priority	Operand	High level	Low level	Event only	Avg const	Send SMS to	SMS text
Vehicle Speed	45100	45101	45102	45103	45104	45105	7141	8141
Acceleration Pedal Position (percent)	45110	45111	45112	45113	45114	45115	7142	8142
Fuel Consumed (liters)	45120	45121	45122	45123	45124	45125	7143	8143
Fuel Level (liters)	45130	45131	45132	45133	45134	45135	7144	8144
Engine RPM	45140	45141	45142	45143	45144	45145	7145	8145
Total Mileage	45150	45151	45152	45153	45154	45155	7146	8146
Fuel Level (percent)	45160	45161	45162	45163	45164	45165	7147	8147
Door Status	45170	45171	45172	45173	45174	45175	7148	8148
Program Number	45180	45181	45182	45183	45184	45185	7149	8149
Module ID	45190	45191	45192	45193	45194	45195	7150	8150
Engine Worktime	45200	45201	45202	45203	45204	45205	7151	8151
Engine Worktime (counted)	45210	45211	45212	45213	45214	45215	7152	8152
Total Mileage (counted)	45220	45221	45222	45223	45224	45225	7153	8153
Fuel Consumed (counted)	45230	45231	45232	45233	45234	45235	7154	8154
Fuel Rate	45240	45241	45242	45243	45244	45245	7155	8155
AdBlue Level (percent)	45250	45251	45252	45253	45254	45255	7156	8156
AdBlue Level (liters)	45260	45261	45262	45263	45264	45265	7157	8157
Engine Load (percent)	45270	45271	45272	45273	45274	45275	7158	8158
Engine Temperature	45280	45281	45282	45283	45284	45285	7159	8159
Axle 1 Load	45290	45291	45292	45293	45294	45295	7160	8160
Axle 2 Load	45300	45301	45302	45303	45304	45305	7161	8161
Axle 3 Load	45310	45311	45312	45313	45314	45315	7162	8162
Axle 4 Load	45320	45321	45322	45323	45324	45325	7163	8163
Axle 5 Load	45330	45331	45332	45333	45334	45335	7164	8164
Control State Flags	45340	45341	45342	45343	45344	45345	7165	8165
Agricultural Machinery Flags	45350	45351	45352	45353	45354	45355	7166	8166
Harvesting Time	45360	45361	45362	45363	45364	45365	7167	8167
Area of Harvest	45370	45371	45372	45373	45374	45375	7168	8168
Mowing Efficiency	45380	45381	45382	45383	45384	45385	7169	8169
Grain Mown Volume	45390	45391	45392	45393	45394	45395	7170	8170
Grain Moisture	45400	45401	45402	45403	45404	45405	7171	8171
Harvesting Drum RPM	45410	45411	45412	45413	45414	45415	7172	8172
Gap Under Harvesting Drum	45420	45421	45422	45423	45424	45425	7173	8173
Security State Flags	45430	45431	45432	45433	45434	45435	7174	8174
Tachograph Total Vehicle Distance	45440	45441	45442	45443	45444	45445	7175	8175
Trip Distance	45450	45451	45452	45453	45454	45455	7176	8176
Tachograph Vehicle Speed	45460	45461	45462	45463	45464	45465	7177	8177
Tachograph Driver Card Presence	45470	45471	45472	45473	45474	45475	7178	8178
Driver 1 States	45480	45481	45482	45483	45484	45485	7179	8179
Driver 2 States	45490	45491	45492	45493	45494	45495	7180	8180
Driver 1 Continuous Driving Time	45500	45501	45502	45503	45504	45505	7181	8181
Driver 2 Continuous Driving Time	45510	45511	45512	45513	45514	45515	7182	8182
Driver 1 Cumulative Break Time	45520	45521	45522	45523	45524	45525	7183	8183
Driver 2 Cumulative Break Time	45530	45531	45532	45533	45534	45535	7184	8184
Driver 1 Selected Activity Duration	45540	45541	45542	45543	45544	45545	7185	8185
Driver 2 Selected Activity Duration	45550	45551	45552	45553	45554	45555	7186	8186
Driver 1 Cumulative Driving Time	45560	45561	45562	45563	45564	45565	7187	8187
Driver 2 Cumulative Driving Time	45570	45571	45572	45573	45574	45575	7188	8188
Driver 1 ID High	45580	45581	45582	45583	45584	45585	7189	8189
Driver 1 ID Low	45590	45591	45592	45593	45594	45595	7190	8190
Driver 2 ID High	45600	45601	45602	45603	45604	45605	7191	8191
Driver 2 ID Low	45610	45611	45612	45613	45614	45615	7192	8192
Battery Temperature	45620	45621	45622	45623	45624	45625	7193	8193
Battery Level	45630	45631	45632	45633	45634	45635	7194	8194
DTC Faults	45640	45641	45642	45643	45644	45645	7195	8195
Slope of Arm	45650	45651	45652	45653	45654	45655	7196	8196
Rotation of Arm	45660	45661	45662	45663	45664	45665	7197	8197
Eject of Arm	45670	45671	45672	45673	45674	45675	7198	8198
Horizontal Distance Arm Vehicle	45680	45681	45682	45683	45684	45685	7199	8199
Height Arm Above Ground	45690	45691	45692	45693	45694	45695	7200	8200
Drill RPM	45700	45701	45702	45703	45704	45705	7201	8201
Amount of Spread Salt Square Meter	45710	45711	45712	45713	45714	45715	7202	8202
Battery Voltage	45720	45721	45722	45723	45724	45725	7203	8203
Amount of Spread Fine Grained Salt	45730	45731	45732	45733	45734	45735	7204	8204
Amount of Spread Coarse Grained Salt	45740	45741	45742	45743	45744	45745	7205	8205

Amount of Spread DiMix	45750	45751	45752	45753	45754	45755	7206	8206
Amount of Spread Coarse Grained Calcium	45760	45761	45762	45763	45764	45765	7207	8207
Amount of Spread Calcium Chloride	45770	45771	45772	45773	45774	45775	7208	8208
Amount of Spread Sodium Chloride	45780	45781	45782	45783	45784	45785	7209	8209
Amount of Spread Magnesium Chloride	45790	45791	45792	45793	45794	45795	7210	8210
Amount of Spread Gravel	45800	45801	45802	45803	45804	45805	7211	8211
Amount of Spread Sand	45810	45811	45812	45813	45814	45815	7212	8212
Width Pouring Left	45820	45821	45822	45823	45824	45825	7213	8213
Width Pouring Right	45830	45831	45832	45833	45834	45835	7214	8214
Salt Spreader Working Hours	45840	45841	45842	45843	45844	45845	7215	8215
Distance During Salting	45850	45851	45852	45853	45854	45855	7216	8216
Load Weight	45860	45861	45862	45863	45864	45865	7217	8217
Retarder Load	45870	45871	45872	45873	45874	45875	7218	8218
Cruise Time	45880	45881	45882	45883	45884	45885	7219	8219
CNG Status	45890	45891	45892	45893	45894	45895	7236	8236
CNG Used	45900	45901	45902	45903	45904	45905	7237	8237
CNG Level	45910	45911	45912	45913	45914	45915	7238	8238
Oil Level	45920	45921	45922	45923	45924	45925	7239	8239
Security state flags P4	46030	46031	46032	46033	46034	-	7443	8443
Control state flags P4	46040	46041	46042	46043	46044	-	7444	8444
Indicator state flags P4	46050	46051	46052	46053	46054	-	7445	8445
Agricultural state flags P4	46060	46061	46062	46063	46064	-	7446	8446
Utility state flags P4	46070	46071	46072	46073	46074	-	7447	8447
LNG Used	46090	46091	46092	46093	46094	-	7574	8574
LNG Used (counted)	46100	46101	46102	46103	46104	-	7575	8575
LNG Level (%)	46110	46111	46112	46113	46114	-	7576	8576
LNG Level (Kg)	46120	46121	46122	46123	46124	-	7577	8577

## RS232/RS485

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
150	Uint8	0	0	2	0 - Disable 1 - RS232 2 - RS485	External UART mode

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
151	Uint8	0	0	15	Mode	0 - Log Mode 1 - NMEA 2 - LLS 3 - LCD 4 - RFID HID 5 - RFID MF7 6 - Garmin FMI 7 - TCP ASCII 8 - TCP Binary 9 - TCP ASCII Buffered 10 - TCP Binary Buffered 11 - REC to LCD 12 - ATOL tachograph 13 - UL202-2 Fuel Sensor 14 - Magnetic card reader (Only FMU126)

152	Uint8	Depends on selected Mode	0	8	0 - Default 1 - 1200 2 - 2400 3 - 9600 4 - 14400 5 - 19200 6 - 38400 7 - 57600 8 - 115200	Baudrate
153	Uint8	Depends on selected Mode	0	3	0 - Default 1 - None 2 - Odd 3 - Even	Parity

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
154	Uint8	0	0	255	Number	Prefix 1
155	Uint8	0	0	255	Number	Prefix 2
156	Uint8	0	0	255	Number	Prefix 3

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
157	Uint8	0	0	3	0 - No filter 1 - Ping filter 2 - Unicode filter 3 - Ping and Unicode filters	Garmin Features

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
160	Uint8	3	0	4	0 - Log Mode 1 - NMEA 2 - LLS 3 - TCP ASCII 4 - TCP Binary	Mode
161	Uint8	Depends on selected Mode	0	8	0 - Default 1 - 1200 2 - 2400 3 - 9600 4 - 14400 5 - 19200 6 - 38400 7 - 57600 8 - 115200	Baudrate

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
162	Uint8	0	0	254	Number	LLS 1 Address
163	Uint8	0	0	254	Number	LLS 2 Address
164	Uint8	0	0	254	Number	LLS 3 Address
165	Uint8	0	0	254	Number	LLS 4 Address
166	Uint8	0	0	254	Number	LLS 5 Address

Default baudrate and parity by mode table:

Mode	RS232 default Baudrate	RS485 default Baudrate	Default Parity (RS232 only)
Log Mode	115200	115200	None
NMEA	115200	115200	None
LLS	19200	19200	None

<b>LCD</b>	57600	-	None
<b>RFID HID</b>	57600	-	None
<b>RFID MF7</b>	9600	-	None
<b>Garmin FMI</b>	9600	-	None
<b>TCP ASCII</b>	115200	57600	None
<b>TCP Binary</b>	115200	57600	None
<b>Magnetic Card Reader</b>	9600	-	None