

Template:FMC640 Device Family Parameter list

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System parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|--|-------------------|
| | | | Min | Max | | |
| 100 | Unit8 | 0 | 0 | 3 | 0 - Ignition 1 - Movement Sensor 2 - GNSS 3 - CAN Speed | Movement Source |
| 102 | Unit8 | 2 | 0 | 3 | 0 - Disabled 1 - GPS Sleep 2 - Deep Sleep 3 - Online Deep Sleep | Sleep Mode |
| 103 | Unit8 | 10 | 1 | 3000 | Minutes | Sleep timeout |
| 106 | Unit8 | 1 | 0 | 1 | 0 - Disabled 1 - Enabled | Static Navigation |

| | | | | | | |
|-------------|--------|-------|----|--------|--|--|
| 123 | UInt8 | 0 | 0 | 3 | 0 - Movement OR Ignition 1 - Movement 2 - Ignition 3 - Movement AND Ignition | Static Navigation Deactivation Source |
| 111 | UInt8 | 1 | 0 | 1 | 0 - Range 10 V 1 - Range 30 V | Analog input value range |
| 122 | UInt8 | 1 | 0 | 1 | 0 - Range 10 V 1 - Range 30 V | Analog Input Value Range 3-4 |
| 115 | UInt8 | 0 | 0 | 1 | 0 - Ain4 1 - DOUT4 | AIN4/DOUT4 |
| 117 | UInt8 | 0 | 0 | 3 | 0 - GPS 1 - LVCAN 2 - FMS 3 - KLINE | Odometer Source Settings |
| 118 | UInt8 | 0 | 0 | 3 | 0 - GPS 1 - LVCAN 2 - FMS 3 - KLINE | Speed Source settings |
| 221 | UInt8 | 0 | 0 | 3 | 0 - Dont Send 1 - Send Zero 2 - Send Last Known Value 3 - Send 0xFF | IO Send Mode |
| 113 | UInt8 | 0 | 0 | 1 | 0 - Codec 8 1 - Codec 8 Extended | Data Protocol |
| 107 | UInt8 | 0 | 0 | 1 | 0 - After Position Fix 1 - Always 2 - After Time Sync | Saving/Sending without (TS) time synchronization |
| 1000 | UInt8 | 30 | 30 | 259200 | Seconds | Open Link timeout |
| 1001 | UInt8 | 30 | 5 | 300 | Seconds | Response Timeout |
| 1002 | UInt8 | 0 | 0 | 1 | 0 - Newest 1 - Oldest | Sort By |
| 1006 | UInt8 | 0 | 0 | 1 | 0 - Internal memory 1 - SD card | Save records to |
| 1007 | UInt8 | 0 | 0 | 2 | 0 - Disabled 1 - Empty Codec 12 2 - 0xFF | Ping mode |
| 1003 | UInt8 | 60 | 1 | 259200 | Minutes | Ping timeout (min.) |
| 109 | UInt8 | 3 | 1 | 3 | 0 - Disable 1 - GPS only 3 - GPS + GLONASS 7 - GPS + Galileo + Glonass 9 - GPS + Beidou | GNSS Source |
| 110 | Unit8 | 0 | 0 | 1 | 0 - On Need 1 - After ignition ON | Battery Charge Mode |
| 101 | UInt8 | 32 | 1 | 63 | 1 - DIN1 2 - DIN2 4 - DIN3 8 - DIN4 16 - Movement 32 - Power Voltage If multiple - sum values of desired Ignition sources. E.g. DIN3+DIN4 = 12 | Ignition settings |
| 104 | UInt16 | 30000 | 0 | 30000 | Millivolts | Sets High voltage level |

| | | | | | | |
|--------------|--------|-------------------|---|----------------|---|--------------------------|
| 105 | Uint16 | 13200 | 0 | 29999 | Millivolts | Low voltage level |
| 19001 | Uint8 | 1 | 1 | 60 | Seconds | Movement Start Delay(s) |
| 19002 | Uint16 | 60 | 5 | 60 | Seconds | Movement Stop Delay(s) |
| 900 | Uint8 | 1 | 0 | 3 | GPS only 1 - NITZ and NTP 2 - NTP 3 - NITZ | Synchronization settings |
| 910 | Uint8 | 0 | 0 | 300 | Seconds | NTP Resync |
| 902 | S8[55] | avl1.teltonika.lt | 0 | 55 char string | Char string | NTP server 1 |
| 903 | S8[55] | pool.ntp.org | 0 | 55 char string | Server address | NTP server 2 |

GPRS parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|-----------------|-------------|----------------|------------------|------------------------------|
| | | | Min | Max | | |
| 2022 | Uint8 | 0 | 0 | 1 | Boolean | GPRS activation |
| 2023 | Uint8 | 100 | 0 | 1000 | Megabytes | Home Limit (MB) |
| 2024 | Uint8 | 10 | 0 | 100 | Megabytes | Roaming Limit (MB) |
| 2001 | S8[32] | Empty | 0 | 32 char string | Text | SIM1 APN Name |
| 2002 | S8[30] | Empty | 0 | 30 char string | Text | SIM1 APN username |
| 2003 | S8[30] | Empty | 0 | 30 char string | Text | SIM1 APN Password |
| 2011 | Uint8 | 1 | 0 | 1 | Boolean | SIM2 GPRS content activation |
| 2012 | S8[32] | Empty | 0 | 32 char string | Text | SIM2 APN Name |
| 2013 | S8[30] | Empty | 0 | 30 char string | Text | SIM2 APN username |
| 2014 | S8[30] | Empty | 0 | 30 char string | Text | SIM2 APN Password |
| 2004 | S8[55] | Empty | 0 | 55 char string | Internet address | Server #1 Domain |
| 2005 | Uint16 | 0 | 0 | 65535 | Port number | Target Server #1 Port |
| 2006 | Uint8 | 0 | 0 | 1 | Boolean | Server #1 Protocol |
| 2007 | S8[55] | Empty | 0 | 55 char string | Internet address | Server #2 Server Domain |
| 2008 | Uint8 | 0 | 0 | 65535 | Port number | Server #2 Server Port |
| 2009 | Uint8 | 0 | 0 | 1 | Boolean | 2nd Server Protocol |
| 13003 | Uint8 | 1 | 0 | 1 | Boolean | FOTA WEB status |
| 13000 | S8[55] | fm.teltonika.lt | 0 | 55 char string | Internet address | FOTA WEB Domain |
| 13001 | Uint8 | 5000 | 0 | 65535 | Port number | FOTA WEB port |
| 13002 | Uint16 | 720 | 30 | 65535 | Minutes | FOTA WEB Period (min) |

SMS/Call settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------|---------------------------|
| | | | Min | Max | | |
| 3000 | Uint8 | 0 | 0 | 1 | Boolean | SMS data sending settings |

| | | | | | | |
|------------------|--------|-------|-------|-----------|-----------------|-------------------------------|
| 1002 | S8[16] | Empty | Empty | 16 digits | Phone number | Data send number |
| 4000-4009 | S8[16] | Empty | Empty | 16 digits | Phone number(s) | Authorized phone numbers |
| 9000-9009 | Uint8 | 0 | 0 | 255 | AVL ID(s) | SMS Events AVL ID list |
| 7000-7009 | S8[16] | Empty | Empty | 16 digits | GSM Number(s) | GSM Predefined Numbers [1-10] |
| 3004 | S8[5] | Empty | Empty | 5 char | Text | SMS Password |
| 3005 | Uint8 | 0 | 0 | 4 | Mode | Incoming call action |
| 3006 | Uint16 | 0 | -720 | 840 | Number | SMS Event Time Zone |
| 3009 | Uint8 | 0 | 0 | 10 | Phone number | DIN 1 GSM Number |
| 3011 | Uint8 | 0 | 0 | 1 | Boolean | DIN 2 Call Trigger |
| 3012 | Uint8 | 0 | 0 | 10 | Phone number | DIN 2 GSM Number |
| 3013 | Uint8 | 0 | 0 | 1 | Boolean | DIN 3 Call Trigger |
| 3014 | Uint8 | 0 | 0 | 10 | Phone number | DIN 3 GSM Number |
| 3015 | Uint8 | 0 | 0 | 1 | Boolean | DIN 4 Call Trigger |
| 3016 | Uint8 | 0 | 0 | 10 | Phone number | DIN 4 GSM Number |

SMS Events

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|------------------|----------------|---------------|-------------|-----------|---------------|-------------------------------|
| | | | Min | Max | | |
| 9000-9009 | Uint8 | 0 | 0 | 255 | AVL ID(s) | SMS Events AVL ID list [1-10] |
| 7000-7009 | S8[16] | Empty | Empty | 16 digits | GSM Number(s) | GSM Event Number list [1-10] |
| 8000-8009 | String | Empty | Empty | 160 char | Text | SMS Event Text [1-10] |

GSM Operators

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|------------------|----------------|---------------|-------------|--------|-------------------|----------------------------------|
| | | | Min | Max | | |
| 5000-5049 | Uint32 | 0 | 0 | 999999 | MCC+MNC number(s) | SIM1 Roaming Operator List |
| 9500-9549 | Uint32 | 0 | 0 | 999999 | MCC+MNC number(s) | SIM2 Roaming/ Home Operator List |
| 5500-5549 | Uint32 | 0 | 0 | 999999 | MCC+MNC number(s) | Black List |

Data Acquisition

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

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|---------|-------------------|
| | | | Min | Max | | |
| 10000 | Uint32 | 3600 | 0 | 2592000 | Seconds | Min Period |
| 10005 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10004 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

- Home Network GSM operator code "Vehicle MOVING" parameters

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

| | | | | | | |
|--------------|--------|------|---|---------|---------|-------------------|
| 10050 | Uint32 | 3600 | 0 | 2592000 | Seconds | Min Period |
| 10051 | Uint16 | 100 | 0 | 65535 | Amount | Min Distance |
| 10053 | Uint8 | 10 | 0 | 180 | Number | Min Angle |
| 10053 | Uint32 | 10 | 0 | 255 | Seconds | Min Speed Delta |
| 10055 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10054 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

- Roaming Network GSM operator code “Vehicle on STOP” parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|---------|-------------------|
| | | | Min | Max | | |
| 10100 | Uint32 | 3600 | 0 | 2592000 | Seconds | Min Period |
| 10105 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10104 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

- Roaming Network GSM operator code “Vehicle MOVING” parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|---------|-------------------|
| | | | Min | Max | | |
| 10150 | Uint32 | 300 | 0 | 2592000 | Seconds | Min Period |
| 10151 | Uint16 | 100 | 0 | 65535 | Amount | Min Distance |
| 10152 | Uint8 | 10 | 0 | 180 | Number | Min Angle |
| 10153 | Uint32 | 10 | 0 | 255 | Seconds | Min Speed Delta |
| 10155 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10154 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

- Unknown Network GSM operator code “Vehicle on STOP” parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|---------|-------------------|
| | | | Min | Max | | |
| 10200 | Uint32 | 3600 | 0 | 2592000 | Seconds | Min Period |
| 10205 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10204 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

- Unknown Network GSM operator code “Vehicle MOVING” parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|---------|-------------------|
| | | | Min | Max | | |
| 10250 | Uint32 | 300 | 0 | 2592000 | Seconds | Min Period |
| 10251 | Uint16 | 100 | 0 | 65535 | Amount | Min Distance |
| 10252 | Uint8 | 10 | 0 | 180 | Number | Min Angle |
| 10253 | Uint32 | 10 | 0 | 255 | Seconds | Min Speed Delta |
| 10255 | Uint32 | 120 | 0 | 2592000 | Seconds | Send Period |
| 10254 | Uint8 | 1 | 1 | 255 | Amount | Min Saved Records |

Features

- 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 |
| 11003 | Uint8 | 0 | 0 | 5 | 0 - None 1 - No DOUT control 2 - DOUT 1 3 - DOUT 2 4 - DOUT 3 5 - DOUT4 (Mode must be selected) | Green driving digital output control settings |

| | | | | | | |
|-------|-------|-----|-----|------|--|----------------------------------|
| 11007 | Uint8 | 0 | 0 | 3 | 0 - GNSS 1 - Accelerometer 2 - GNSS Algorithm A1 3 - Accelerometer Algorithm A1 | Source |
| 11019 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Advanced Eco Driving |
| 11008 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Eco/Green Driving Duration |
| 11011 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Cornering active output duration |
| 11015 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Eco Driving Maximum |
| 11004 | Uint8 | 2.2 | 0.5 | 10 | m/s ² | Max Acceleration |
| 11005 | Uint8 | 2.5 | 0.5 | 10 | m/s ² | Max Braking |
| 11006 | Uint8 | 3.4 | 0.5 | 10 | m/s ² | Max Cornering |
| 11001 | Uint8 | 200 | 100 | 5000 | ms | DOUT ON Duration |
| 11002 | Uint8 | 200 | 100 | 5000 | ms | DOUT ON Duration |

- Overspeeding 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 |
| 11103 | Uint8 | 0 | 0 | 5 | 0 - Disabled 1 - No DOUT control 2 - DOUT1 3 - DOUT2 4 - DOUT3 5 - DOUT4 (Mode must be selected) | Output control |
| 11104 | Uint16 | 90 | 0 | 260 | Speed | Max Speed (km/h) |
| 11101 | Uint8 | 200 | 100 | 5000 | ms | DOUT ON Duration |
| 11102 | Uint8 | 200 | 100 | 5000 | ms | DOUT ON Duration |

- Network Jamming 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 |
| 11304 | Uint8 | 0 | 0 | 5 | 0 - Disable 1 - No DOUT control 2 - DOUT1 3 - DOUT2 4 - DOUT3 5 - DOUT4 (Mode must be selected) | Output control |
| 11306 | Uint8 | 0 | 0 | 2 | 0 - Low 1 - Normal 2 - High | Output control |
| 11303 | Uint8 | 1 | 0 | 1 | 0 - Disable 1 - Enable | Eventual Records |
| 11301 | Int32 | 0 | 0 | 65530 | Milliseconds | DOUT ON Duration |

| | | | | | | |
|-------|--------|-----|---|-------|--------------|------------------------------------|
| 11302 | Int32 | 200 | 0 | 5000 | Milliseconds | DOUT ON Duration |
| 11309 | Int32 | 0 | 0 | 3600 | Seconds | DOUT Hold Delay Duration |
| 11305 | Uint16 | 60 | 0 | 65535 | Seconds | Time Until Jamming Event Detection |

- DOUT Control Via Call parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------------|--|----------------------------|
| | | | Min | Max | | |
| 12000 | Uint8 | 0 | 0 | 4 | 0 - Disabled 1 - DOUT1 2 - DOUT2 3 - DOUT3 4 - DOUT4 (Mode must be selected) | Digital Output control |
| 12001 | Uint8 | 0 | 0 | 4 | 0 - None 1 - DIN1 2 - DIN2 3 - DIN3 4 - DIN4 | DOUT Deactivation Settings |
| 12002 | Uint16 | 5 | 0 | 2147483647 | Seconds | Duration Timeout |

- Immobilizer parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-------|--|----------------------------|
| | | | Min | Max | | |
| 11700 | Uint8 | 0 | 0 | 3 | 0 - Disable 1 - Low Priority 2 - High Priority 3 - Panic Priority | Scenario Settings |
| 11702 | Uint8 | 0 | 0 | 5 | 0 - Disable 1 - No DOUT control 2 - DOUT1 3 - DOUT2 4 - DOUT3 5 - DOUT4 (Mode must be selected) | Immobilizer output control |
| 11701 | Uint8 | 1 | 0 | 1 | 0 - Disable 1 - Enable | Eventual Records |
| 11703 | Uint8 | 1 | 0 | 1 | 0 - Disable 1 - Enable 2 - Beacon 3 - Both | iButton List Check |
| 11707 | Uint8 | 30 | 0 | 65535 | Seconds | Ignition TMO |
| 11713 | Uint8 | 30 | 0 | 65535 | Seconds | Authorization TMO |

- iButton Read Notification parameters

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|--|--|
| | | | Min | Max | | |
| 11704 | Uint8 | 0 | 0 | 5 | 0 - Disable 1 - No DOUT control 2 - DOUT1 3 - DOUT2 4 - DOUT3 5 - DOUT4 (Mode must be selected) | iButton read notification output control |
| 11705 | Uint8 | 200 | 0 | 5000 | Milliseconds | DOUT ON Duration |
| 11706 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | iButton List Checking |

| | | | | | | |
|-------|-------|---|---|---|---------------------------|--------------------|
| 11708 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Depend On Ignition |
|-------|-------|---|---|---|---------------------------|--------------------|

Auto Geofence

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------|--|-------------------------------|
| | | | Min | Max | | |
| 20000 | Uint8 | 0 | 0 | 3 | 0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority | Priority |
| 20002 | Uint8 | 1 | 0 | 1 | Boolean | Eventual records |
| 20001 | Uint8 | 0 | 0 | 2 | 0 - On exiting zone 1 - On entering zone 2 - On both | AutoGeofence event generating |
| 20003 | Uint16 | 60 | 0 | 65535 | Minutes | Activation timeout |
| 20004 | Uint32 | 100 | 0 | 1000000 | Metres | Radius |
| 20005 | Uint8 | 0 | 0 | 5 | 0 - Ignition 1 - iButton | Deactivate by |

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 | 2 | 0 - On exiting zone 1 - On entering zone 2 - On both | Operand |
| 20102 | Uint8 | 1 | 0 | 1 | Boolean | 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 | 5 | 0 - Disable 1 - No DOUT control 2 - DOUT1 3 - DOUT2 4 - DOUT3 5 - DOUT4 (Mode must be selected) | Geozone Overspeeding #1 DOUT control |
| 20111 | Uint16 | 90 | 0 | 1000 | km/h | Max allowed speed |

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 |
| 1 | 20100 | 20101 | 20102 | 20103 | 20104 | 20105 | 20106 | 20107 | 20108 | 20109 | 20110 | 20111 |
| 2 | 20120 | 20121 | 20122 | 20123 | 20124 | 20125 | 20126 | 20127 | 20128 | 20129 | 20130 | 20131 |

Accelerometer features

- Towing detection

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-------|--|--------------------|
| | | | Min | Max | | |
| 11600 | UInt8 | 0 | 0 | 3 | 0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority | Priority |
| 11601 | UInt8 | 1 | 0 | 1 | Boolean | Eventual records |
| 11602 | UInt16 | 5 | 0 | 65535 | Minutes | Activation timeout |
| 11603 | UInt8 | 0 | 0 | 60 | Seconds | Event timeout |
| 11604 | UInt8 | 0 | 0 | 10 | Phone number | Make call to |
| 11605 | Double | 0.22 | 0.1 | 5 | mG | Threshold |
| 11606 | Double | 1 | 0.1 | 5 | Degrees | Angle |
| 11607 | UInt16 | 1000 | 1 | 5000 | Milliseconds | Duration |

- Crash detection

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|--|------------------|
| | | | Min | Max | | |
| 11400 | UInt8 | 0 | 0 | 3 | 0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority | Scenario setting |
| 11401 | UInt8 | 5 | 0 | 1000 | Milliseconds | Duration |
| 11402 | UInt16 | 1500 | 0 | 7900 | mG | Threshold |
| 11406 | UInt8 | 0 | 0 | 2 | 0 - Disable 1 - Trace Changes 2 - Trace Full | Crash Trace |

- Excessive idling

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|--|-------------------|
| | | | Min | Max | | |
| 11200 | UInt8 | 0 | 0 | 3 | 0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority | Scenario settings |
| 11203 | UInt8 | 1 | 0 | 1 | Boolean | Eventual records |
| 11205 | UInt8 | 300 | 0 | 3600 | Seconds | Time to stopped |
| 11206 | UInt8 | 5 | 0 | 3600 | Seconds | Time to moving |

- Accelerometer autocalibration

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------|--------------------------------|
| | | | Min | Max | | |
| 169 | UInt8 | 1 | 0 | 1 | Boolean | Accelerometer auto calibration |

iButton List

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------------|-------|-----------------|
| | | | Min | Max | | |
| 30000-30500 | 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 Priority |
| 50001 | Uint8 | 5 | 0 | 6 | Ignition Operand |
| 50002 | Uint8 | 0 | 0 | 1 | Ignition High level |
| 50003 | Uint8 | 0 | 0 | 1 | Ignition Low level |
| 50004 | Uint8 | 0 | 0 | 1 | Ignition Event only |
| 50005 | Uint16 | 10 | 0 | 65535 | Ignition Average |
| 50010 | Uint8 | 1 | 0 | 3 | Movement Priority |
| 50011 | Uint8 | 5 | 0 | 6 | Movement Operand |
| 50012 | Uint8 | 0 | 0 | 1 | Movement High level |
| 50013 | Uint8 | 0 | 0 | 1 | Movement Low level |
| 50014 | Uint8 | 0 | 0 | 1 | Movement Event only |
| 50015 | Uint16 | 1 | 0 | 65535 | Movement Average |
| 50020 | Uint8 | 1 | 0 | 3 | Data Mode Priority |
| 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 Event only |
| 50030 | Uint8 | 1 | 0 | 3 | GSM Signal Priority |
| 50031 | Uint8 | 3 | 0 | 6 | GSM Signal Operand |
| 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 Event only |
| 50035 | Uint16 | 1 | 0 | 65535 | GSM Signal Average |
| 50040 | Uint8 | 1 | 0 | 3 | Sleep Mode Priority |
| 50041 | Uint8 | 3 | 0 | 6 | Sleep Mode Operand |
| 50042 | Uint8 | 0 | 0 | 2 | Sleep Mode High level |
| 50043 | Uint8 | 0 | 0 | 2 | Sleep Mode Low level |
| 50044 | Uint8 | 0 | 0 | 1 | Sleep Mode Event only |
| 50050 | Uint8 | 1 | 0 | 3 | GNSS Status Priority |
| 50051 | Uint8 | 3 | 0 | 6 | GNSS Status Operand |
| 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 Event only |
| 50060 | Uint8 | 0 | 0 | 3 | GNSS PDOP Priority |
| 5061 | Uint8 | 3 | 0 | 6 | GNSS PDOP Operand |
| 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 Event only |
| 5065 | Uint16 | 10 | 0 | 65535 | GNSS PDOP Average |
| 50070 | Uint8 | 1 | 0 | 3 | GNSS HDOP Priority |
| 50071 | Uint8 | 3 | 0 | 6 | GNSS HDOP Operand |
| 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 Event only |
| 50075 | Uint16 | 10 | 0 | 65535 | GNSS HDOP Average |
| 50080 | Uint8 | 1 | 0 | 3 | External Voltage Priority |
| 50081 | Uint8 | 6 | 0 | 6 | External Voltage Operand |

| | | | | | |
|-------|--------|------|---|----------|--|
| 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 Event only |
| 50085 | Uint16 | 10 | 0 | 65535 | External Voltage Average |
| 50090 | Uint8 | 1 | 0 | 3 | Speed Priority |
| 50091 | Uint8 | 3 | 0 | 6 | Speed Operand |
| 50092 | Uint16 | 0 | 0 | 300 | Speed High level |
| 50093 | Uint16 | 0 | 0 | 300 | Speed Low level |
| 50094 | Uint8 | 0 | 0 | 1 | Speed Event only |
| 50095 | Uint16 | 1 | 0 | 65535 | Speed Average |
| 50100 | Uint8 | 0 | 0 | 3 | GSM Cell ID Priority |
| 50101 | Uint8 | 3 | 0 | 6 | GSM Cell ID Operand |
| 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 Event only |
| 50110 | Uint8 | 0 | 0 | 3 | GSM Area Code Priority |
| 50111 | Uint8 | 3 | 0 | 6 | GSM Area Code Operand |
| 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 Event only |
| 50120 | Uint8 | 1 | 0 | 3 | Battery Voltage Priority |
| 50121 | Uint8 | 3 | 0 | 6 | Battery Voltage Operand |
| 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 Event only |
| 50125 | Uint8 | 0 | 0 | 10 | Battery Voltage Average |
| 50130 | Uint8 | 1 | 0 | 3 | Battery Current Priority |
| 50131 | Uint8 | 3 | 0 | 6 | Battery Current Operand |
| 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 Event only |
| 50135 | Uint8 | 0 | 0 | 10 | Battery Current Average |
| 50140 | Uint8 | 0 | 0 | 3 | Active GSM Operator Priority |
| 50141 | Uint8 | 3 | 0 | 6 | Active GSM Operator Operand |
| 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 Event only |
| 50150 | Uint8 | 0 | 0 | 3 | Trip Odometer Priority |
| 50151 | Uint8 | 3 | 0 | 6 | Trip Odometer Operand |
| 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 Event only |
| 50160 | Uint8 | 0 | 0 | 3 | Total Odometer Priority |
| 50161 | Uint8 | 3 | 0 | 6 | Total Odometer Operand |
| 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 Event only |
| 50170 | Uint8 | 0 | 0 | 3 | Digital Input 1 Priority |
| 50171 | Uint8 | 3 | 0 | 6 | Digital Input 1 Operand |
| 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 Event only |
| 50175 | Uint16 | 1 | 0 | 65535 | Digital Input 1 Average |
| 50270 | Uint8 | 0 | 0 | 3 | Digital Input 2 Priority |
| 50271 | Uint8 | 3 | 0 | 6 | Digital Input 2 Operand |
| 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 Event only |
| 50275 | Uint16 | 1 | 0 | 65535 | Digital Input 2 Average |

| | | | | | |
|-------|--------|----|---|-------|---|
| 50280 | UInt8 | 0 | 0 | 3 | Digital Input 3 Priority |
| 50281 | UInt8 | 3 | 0 | 6 | Digital Input 3 Operand |
| 50872 | UInt8 | 0 | 0 | 1 | Digital Input 3 High level |
| 50873 | UInt8 | 0 | 0 | 1 | Digital Input 3 Low level |
| 50874 | UInt8 | 0 | 0 | 1 | Digital Input 3 Event only |
| 50875 | UInt16 | 1 | 0 | 65535 | Digital Input 3 Average |
| 50660 | UInt8 | 0 | 0 | 3 | Digital Input 4 Priority |
| 50661 | UInt8 | 3 | 0 | 6 | Digital Input 4 Operand |
| 50662 | UInt8 | 0 | 0 | 1 | Digital Input 4 High level |
| 50663 | UInt8 | 0 | 0 | 1 | Digital Input 4 Low level |
| 50664 | UInt8 | 0 | 0 | 1 | Digital Input 4 Event only |
| 50665 | UInt16 | 1 | 0 | 65535 | Digital Input 4 Average |
| 50180 | UInt8 | 0 | 0 | 3 | Analog Input 1 Priority |
| 50181 | UInt8 | 3 | 0 | 6 | Analog Input 1 Operand |
| 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 Event only |
| 50185 | UInt16 | 10 | 0 | 65535 | Analog Input 1 Average |
| 50290 | UInt8 | 0 | 0 | 3 | Analog Input 2 Priority |
| 50291 | UInt8 | 3 | 0 | 6 | Analog Input 2 Operand |
| 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 Event only |
| 50295 | UInt16 | 10 | 0 | 65535 | Analog Input 2 Average |
| 50670 | UInt8 | 0 | 0 | 3 | Analog Input 3 Priority |
| 50671 | UInt8 | 3 | 0 | 6 | Analog Input 3 Operand |
| 50672 | UInt16 | 0 | 0 | 30000 | Analog Input 3 High level |
| 50673 | UInt16 | 0 | 0 | 30000 | Analog Input 3 Low level |
| 50674 | UInt8 | 0 | 0 | 1 | Analog Input 3 Event only |
| 50675 | UInt16 | 10 | 0 | 65535 | Analog Input 3 Average |
| 50680 | UInt8 | 0 | 0 | 3 | Analog Input 4 Priority |
| 50681 | UInt8 | 3 | 0 | 6 | Analog Input 4 Operand |
| 50682 | UInt16 | 0 | 0 | 30000 | Analog Input 4 High level |
| 50683 | UInt16 | 0 | 0 | 30000 | Analog Input 4 Low level |
| 50684 | UInt8 | 0 | 0 | 1 | Analog Input 4 Event only |
| 50685 | UInt16 | 10 | 0 | 65535 | Analog Input 4 Average |
| 50190 | UInt8 | 0 | 0 | 3 | Digital Output 1 Priority |
| 50191 | UInt8 | 0 | 0 | 6 | Digital Output 1 Operand |
| 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 Event only |
| 50195 | UInt16 | 1 | 0 | 65535 | Digital Output 1 Average |
| 50300 | UInt8 | 0 | 0 | 3 | Digital Output 2 Priority |
| 50301 | UInt8 | 0 | 0 | 6 | Digital Output 2 Operand |
| 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 Event only |
| 50305 | UInt16 | 1 | 0 | 65535 | Digital Output 2 Average |
| 50690 | UInt8 | 0 | 0 | 3 | Digital Output 3 Priority |
| 50691 | UInt8 | 0 | 0 | 6 | Digital Output 3 Operand |
| 50192 | UInt8 | 0 | 0 | 1 | Digital Output 3 High level |
| 50693 | UInt8 | 0 | 0 | 1 | Digital Output 3 Low level |
| 50694 | UInt8 | 0 | 0 | 1 | Digital Output 3 Event only |
| 50695 | UInt16 | 1 | 0 | 65535 | Digital Output 3 Average |
| 50700 | UInt8 | 0 | 0 | 3 | Digital Output 4 Priority |
| 50701 | UInt8 | 0 | 0 | 6 | Digital Output 4 Operand |
| 50702 | UInt8 | 0 | 0 | 1 | Digital Output 4 High level |
| 50703 | UInt8 | 0 | 0 | 1 | Digital Output 4 Low level |
| 50704 | UInt8 | 0 | 0 | 1 | Digital Output 4 Event only |

| | | | | | |
|-------|--------|---|-------|-------|---|
| 50705 | Uint16 | 1 | 0 | 65535 | Digital Output 4 Average |
| 50220 | Uint8 | 0 | 0 | 3 | Axis X Priority |
| 50221 | Uint8 | 3 | 0 | 6 | Axis X Operand |
| 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 Event only |
| 50225 | Uint16 | 1 | 0 | 65535 | Axis X Average |
| 50230 | Uint8 | 0 | 0 | 3 | Axis Y Priority |
| 50231 | Uint8 | 3 | 0 | 6 | Axis Y Operand |
| 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 Event only |
| 50235 | Uint16 | 1 | 0 | 65535 | Axis Y Average |
| 50240 | Uint8 | 0 | 0 | 3 | Axis Z Priority |
| 50241 | Uint8 | 3 | 0 | 6 | Axis Z Operand |
| 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 Event only |
| 50245 | Uint16 | 1 | 0 | 65535 | Axis Z Average |
| 50820 | Uint8 | 0 | 0 | 3 | IMSI Priority |
| 50821 | Uint8 | 0 | 0 | 6 | IMSI Operand |
| 50822 | Uint8 | 0 | 0 | 1 | IMSI Event only |
| 50250 | Uint8 | 0 | 0 | 3 | ICCID Priority |
| 50251 | Uint8 | 3 | 0 | 6 | ICCID Operand |
| 50254 | Uint8 | 0 | 0 | 1 | ICCID Event only |
| 50260 | Uint8 | 0 | 0 | 3 | SD Status Priority |
| 50261 | Uint8 | 3 | 0 | 6 | SD Status Operand |
| 50262 | Uint8 | 0 | 0 | 1 | SD Status High level |
| 50263 | Uint8 | 0 | 0 | 1 | SD Status Low level |
| 50310 | Uint8 | 0 | 0 | 3 | Dallas Temperature 1 Priority |
| 50311 | Uint8 | 3 | 0 | 6 | Dallas Temperature 1 Operand |
| 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 Event only |
| 50315 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 1 Average |
| 50320 | Uint8 | 0 | 0 | 3 | Dallas Temperature 2 Priority |
| 50321 | Uint8 | 3 | 0 | 6 | Dallas Temperature 2 Operand |
| 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 Event only |
| 50325 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 2 Average |
| 50330 | Uint8 | 0 | 0 | 3 | Dallas Temperature 3 Priority |
| 50331 | Uint8 | 3 | 0 | 6 | Dallas Temperature 3 Operand |
| 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 Event only |
| 50335 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 3 Average |
| 50340 | Uint8 | 0 | 0 | 3 | Dallas Temperature 4 Priority |
| 50341 | Uint8 | 3 | 0 | 6 | Dallas Temperature 4 Operand |
| 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 Event only |
| 50345 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 4 Average |
| 50720 | Uint8 | 0 | 0 | 3 | Dallas Temperature 5 Priority |
| 50721 | Uint8 | 3 | 0 | 6 | Dallas Temperature 5 Operand |
| 50722 | Int8 | 0 | -55 | 125 | Dallas Temperature 5 High level |
| 50723 | Int8 | 0 | -55 | 125 | Dallas Temperature 5 Low level |
| 50724 | Uint8 | 0 | 0 | 1 | Dallas Temperature 5 Event only |
| 50725 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 5 Average |

| | | | | | |
|-------|--------|---|-----|-----------|--|
| 50750 | Uint8 | 0 | 0 | 3 | Dallas Temperature 6 Priority |
| 50751 | Uint8 | 3 | 0 | 6 | Dallas Temperature 6 Operand |
| 50752 | Int8 | 0 | -55 | 125 | Dallas Temperature 6 High level |
| 50753 | Int8 | 0 | -55 | 125 | Dallas Temperature 6 Low level |
| 50754 | Uint8 | 0 | 0 | 1 | Dallas Temperature 6 Event only |
| 50755 | Uint16 | 0 | 0 | 65535 | Dallas Temperature 6 Average |
| 50350 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 1 Priority |
| 50351 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 1 Operand |
| 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 Event only |
| 50355 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 1 Average |
| 50360 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 2 Priority |
| 50361 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 2 Operand |
| 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 Event only |
| 50365 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 2 Average |
| 50370 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 3 Priority |
| 50371 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 3 Operand |
| 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 Event only |
| 50375 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 3 Average |
| 50380 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 4 Priority |
| 50381 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 4 Operand |
| 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 Event only |
| 50385 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 4 Average |
| 50740 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 5 Priority |
| 50741 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 5 Operand |
| 50742 | Uint32 | 0 | 0 | 999999999 | Dallas Temperature ID 5 High level |
| 50743 | Uint32 | 0 | 0 | 999999999 | Dallas Temperature ID 5 Low level |
| 50744 | Uint8 | 0 | 0 | 1 | Dallas Temperature ID 5 Event only |
| 50745 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 5 Average |
| 50750 | Uint8 | 0 | 0 | 3 | Dallas Temperature ID 6 Priority |
| 50751 | Uint8 | 3 | 0 | 6 | Dallas Temperature ID 6 Operand |
| 50752 | Uint32 | 0 | 0 | 999999999 | Dallas Temperature ID 6 High level |
| 50753 | Uint32 | 0 | 0 | 999999999 | Dallas Temperature ID 6 Low level |
| 50754 | Uint8 | 0 | 0 | 1 | Dallas Temperature ID 6 Event only |
| 50755 | Uint16 | 0 | 0 | 65535 | Dallas Temperature ID 6 Average |
| 50390 | Uint8 | 0 | 0 | 3 | iButton Priority |
| 50391 | Uint8 | 3 | 0 | 6 | iButton Operand |
| 50392 | Uint32 | 0 | 0 | 999999999 | iButton High level |
| 50393 | Uint32 | 0 | 0 | 999999999 | iButton Low level |
| 50394 | Uint8 | 0 | 0 | 1 | iButton Event only |
| 50395 | Uint16 | 0 | 0 | 65535 | iButton Average |
| 50400 | Uint8 | 0 | 0 | 3 | RFID Priority |
| 50401 | Uint8 | 3 | 0 | 6 | RFID Operand |
| 50402 | Uint8 | 0 | 0 | 999999999 | RFID High level |
| 50403 | Uint8 | 0 | 0 | 999999999 | RFID Low level |
| 50404 | Uint8 | 0 | 0 | 1 | RFID Event only |
| 50405 | Uint16 | 1 | 0 | 65535 | RFID Average |
| 50710 | Uint8 | 0 | 0 | 3 | RFID2 Priority |
| 50711 | Uint8 | 3 | 0 | 6 | RFID2 Operand |
| 50712 | Uint8 | 0 | 0 | 999999999 | RFID2 High level |
| 50713 | Uint8 | 0 | 0 | 999999999 | RFID2 Low level |
| 50714 | Uint8 | 0 | 0 | 1 | RFID2 Event only |

| | | | | | |
|-------|--------|---|------|-------|---|
| 50715 | Uint16 | 1 | 0 | 65535 | RFID2 Average |
| 50410 | Uint8 | 0 | 0 | 3 | LLS1 Fuel Level Priority |
| 50411 | Uint8 | 3 | 0 | 6 | LLS1 Fuel Level Operand |
| 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 Event only |
| 50415 | Uint16 | 1 | 0 | 65535 | LLS1 Fuel Level Average |
| 50420 | Uint8 | 0 | 0 | 3 | LLS2 Fuel Level Priority |
| 50421 | Uint8 | 3 | 0 | 6 | LLS2 Fuel Level Operand |
| 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 Event only |
| 50425 | Uint16 | 1 | 0 | 65535 | LLS2 Fuel Level Average |
| 50430 | Uint8 | 0 | 0 | 3 | LLS3 Fuel Level Priority |
| 50431 | Uint8 | 3 | 0 | 6 | LLS3 Fuel Level Operand |
| 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 Event only |
| 50435 | Uint16 | 1 | 0 | 65535 | LLS3 Fuel Level Average |
| 50440 | Uint8 | 0 | 0 | 3 | LLS4 Fuel Level Priority |
| 50441 | Uint8 | 3 | 0 | 6 | LLS4 Fuel Level Operand |
| 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 Event only |
| 50445 | Uint16 | 1 | 0 | 65535 | LLS4 Fuel Level Average |
| 50450 | Uint8 | 0 | 0 | 3 | LLS5 Fuel Level Priority |
| 50451 | Uint8 | 3 | 0 | 6 | LLS5 Fuel Level Operand |
| 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 Event only |
| 50455 | Uint16 | 1 | 0 | 65535 | LLS5 Fuel Level Average |
| 50460 | Uint8 | 0 | 0 | 3 | LLS1 Temperature Priority |
| 50461 | Uint8 | 3 | 0 | 6 | LLS1 Temperature Operand |
| 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 Event only |
| 50465 | Uint16 | 1 | 0 | 65535 | LLS1 Temperature Average |
| 50470 | Uint8 | 0 | 0 | 3 | LLS2 Temperature Priority |
| 50471 | Uint8 | 3 | 0 | 6 | LLS2 Temperature Operand |
| 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 Event only |
| 50475 | Uint16 | 1 | 0 | 65535 | LLS2 Temperature Average |
| 50480 | Uint8 | 0 | 0 | 3 | LLS3 Temperature Priority |
| 50481 | Uint8 | 3 | 0 | 6 | LLS3 Temperature Operand |
| 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 Event only |
| 50485 | Uint16 | 1 | 0 | 65535 | LLS3 Temperature Average |
| 50490 | Uint8 | 0 | 0 | 3 | LLS4 Temperature Priority |
| 50491 | Uint8 | 3 | 0 | 6 | LLS4 Temperature Operand |
| 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 Event only |
| 50495 | Uint16 | 1 | 0 | 65535 | LLS4 Temperature Average |
| 50500 | Uint8 | 0 | 0 | 3 | LLS5 Temperature Priority |
| 50501 | Uint8 | 3 | 0 | 6 | LLS5 Temperature Operand |
| 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 Event only |
| 50505 | Uint16 | 1 | 0 | 65535 | LLS5 Temperature Average |
| 50780 | Uint8 | 0 | 0 | 3 | Ultrasonic UL202 Fuel level 1 Priority |
| 50781 | Uint8 | 3 | 0 | 6 | Ultrasonic UL202 Fuel level 1 Operand |
| 50782 | Uint8 | 0 | -20 | 32767 | Ultrasonic UL202 Fuel level 1 High level |
| 50783 | Uint8 | 0 | -20 | 32767 | Ultrasonic UL202 Fuel level 1 Low level |
| 50784 | Uint8 | 0 | 0 | 1 | Ultrasonic UL202 Fuel level 1 Event only |
| 50785 | Uint16 | 1 | 0 | 65535 | Ultrasonic UL202 Fuel level 1 Average |
| 50790 | Uint8 | 0 | 0 | 3 | Ultrasonic UL202 Fuel level 2 Priority |
| 50791 | Uint8 | 3 | 0 | 6 | Ultrasonic UL202 Fuel level 2 Operand |
| 50792 | Uint8 | 0 | -20 | 32767 | Ultrasonic UL202 Fuel level 2 High level |
| 50793 | Uint8 | 0 | -20 | 32767 | Ultrasonic UL202 Fuel level 2 Low level |
| 50794 | Uint8 | 0 | 0 | 1 | Ultrasonic UL202 Fuel level 2 Event only |
| 50795 | Uint16 | 1 | 0 | 65535 | Ultrasonic UL202 Fuel level 2 Average |
| 50800 | Uint8 | 0 | 0 | 3 | Ultrasonic UL202 Status 1 Priority |
| 50801 | Uint8 | 3 | 0 | 6 | Ultrasonic UL202 Status 1 Operand |
| 50802 | Uint8 | 0 | 0 | 255 | Ultrasonic UL202 Status 1 High level |
| 50803 | Uint8 | 0 | 0 | 255 | Ultrasonic UL202 Status 1 Low level |
| 50804 | Uint8 | 0 | 0 | 1 | Ultrasonic UL202 Status 1 Event only |
| 50805 | Uint16 | 1 | 0 | 65535 | Ultrasonic UL202 Status 1 Average |
| 50810 | Uint8 | 0 | 0 | 3 | Ultrasonic UL202 Status 2 Priority |
| 50811 | Uint8 | 3 | 0 | 6 | Ultrasonic UL202 Status 2 Operand |
| 50812 | Uint8 | 0 | 0 | 255 | Ultrasonic UL202 Status 2 High level |
| 50813 | Uint8 | 0 | 0 | 255 | Ultrasonic UL202 Status 2 Low level |
| 50814 | Uint8 | 0 | 0 | 1 | Ultrasonic UL202 Status 2 Event only |
| 50815 | Uint16 | 1 | 0 | 65535 | Ultrasonic UL202 Status 2 |
| 50650 | Uint8 | 0 | 0 | 3 | Network type Priority |
| 50651 | Uint8 | 3 | 0 | 6 | Network type Operand |
| 50652 | Uint8 | 0 | 0 | 1 | Network type High level |
| 50653 | Uint8 | 0 | 0 | 1 | Network type Low level |
| 50654 | Uint8 | 0 | 0 | 1 | Network type Event only |

- I/O parameters and types

| Parameter name | Value |
|---------------------|-------------------|
| Priority | 0 - Disabled |
| | 1 - Low |
| | 2 - High |
| | 3 - Panic |
| Operand | 0 - On Exit |
| | 1 - On Entrance |
| | 2 - On Both |
| | 3 - Monitoring |
| | 4 - On Hysteresis |
| | 5 - On Change |
| 6 - On Delta Change | |
| Event only | 0 - Disabled |
| | 1 - Enabled |

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 | 99999 | Value | Program number |

- LVCAN parameter configuration

| 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 |
| 45105 | Uint16 | 10 | 0 | 65535 | Value | Averaging constant |

Similarly to a group defined in the upper table:

FMS

- FMS parameter configuration:

| Name | Parameter | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| | Priority | Operand | High level | Low level | Event only |
| Brake switch | 46000 | 46001 | - | - | 46004 |
| Wheel based speed | 46010 | 46011 | 46012 | 46013 | 46014 |
| Cruise control active | 46020 | 46021 | - | - | 46024 |
| Clutch switch | 46030 | 46031 | - | - | 46034 |
| PTO state | 46040 | 46041 | - | - | 46044 |
| Accelerator pedal position 1 X | 46050 | 46051 | 46052 | 46053 | 46054 |
| Engine Percent Load At Current Speed X | 46060 | 46061 | 46062 | 46063 | 46064 |
| Engine total fuel used | 46070 | 46071 | 46072 | 46073 | 46074 |
| fuel level 1 X | 46080 | 46081 | 46082 | 46083 | 46084 |
| Engine speed X | 46090 | 46091 | 46092 | 46093 | 46094 |
| Axle location (every 10) | 46100-46240 | 46101-46241 | 46102-46242 | 46103-46243 | 46104-46244 |
| Tire location | - | - | - | - | - |
| Axle weight | - | - | - | - | - |
| Engine total hours of Operation X | 46250 | 46251 | 46252 | 46253 | 46254 |
| vehicle identification number X | 46260 | 46261 | - | - | 46264 |
| SW-version supported X | 46270 | 46271 | - | - | 46274 |

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Diagnostics supported X | 46280 | 46281 | - | - | 46284 |
| Requests supported X | 46290 | 46291 | - | - | 46294 |
| Service distance | 46310 | 46311 | 46312 | 46313 | 46314 |
| Direction indicator | 46400 | 46401 | - | - | 46404 |
| Tachograph performance X | 46410 | 46411 | - | - | 46414 |
| Handling information X | 46420 | 46421 | - | - | 46424 |
| System event X | 46430 | 46431 | - | - | 46434 |
| engine coolant temperature X | 46450 | 46451 | 46452 | 46453 | 46454 |
| Ambient Air Temperature X | 46460 | 46461 | 46462 | 46463 | 46464 |
| Fuel rate | 46490 | 46491 | 46492 | 46493 | 46494 |
| Instantaneous Fuel Economy | 46500 | 46501 | 46502 | 46503 | 46504 |
| PTO drive engagement | 46510 | 46511 | - | - | 46514 |
| High resolution engine total fuel used | 46520 | 46521 | 46522 | 46523 | 46524 |
| Combined vehicle weight | 46530 | 46531 | 46532 | 46533 | 46534 |
| AdBlue Status | 46550 | 46551 | - | - | 46554 |
| Fuel Level 2 | 46560 | 46561 | - | - | 46564 |
| Engine MIL Indicator | 46570 | 46571 | - | - | 46574 |
| Tell Tale ID0 | 46580 | 46581 | - | - | 46584 |
| Tell Tale ID1 | 46590 | 46591 | - | - | 46594 |
| Tell Tale ID2 | 46600 | 46601 | - | - | 46604 |
| Tell Tale ID3 | 46610 | 46611 | - | - | 46614 |
| Brake Pedal Position | 46540 | 46541 | 46542 | 46543 | 46544 |
| AdBlue level | 46810 | 46811 | 46812 | 46813 | 46814 |

Manual CAN

- Manual CAN parameter configuration:

Example: setparam 47290:2;47291:96;47292:218047805;47293:0;47294:5

| | | | | | | | | | | | | | | | | | |
|-----------------|-------------------------|----------|-------------------|-------------------|-----|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----|-----------|----------|------|------|
| CAN9 | 0 | Disabled | Standard (11-bit) | Extended (29-bit) | MSB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | LSB | On Change | 0CFF253D | CAN1 | CAN2 |
| Priority | Output Data Mask | | | CAN ID | | | | CAN SOURCE | | | Operand | | | | | | |

0 - Disable
 1 - 11bit
 2 - 29bit

Decimal value

4 bytes HEX identifier.
 For more information check [Manual CAN page](#)

0 - CAN1
 1 - CAN2

3 - Monitoring
 5 - OnChange

| Name | Parameter | | | | |
|-------|-----------|------------------|--------|------------|---------|
| | Priority | Output Data Mask | CAN ID | CAN Source | Operand |
| CAN0 | 47000 | 47001 | 47002 | 47003 | 47004 |
| CAN1 | 47010 | 47011 | 47012 | 47013 | 47014 |
| CAN2 | 47020 | 47021 | 47022 | 47023 | 47024 |
| CAN3 | 47030 | 47031 | 47032 | 47033 | 47034 |
| CAN4 | 47040 | 47041 | 47042 | 47043 | 47044 |
| CAN5 | 47050 | 47051 | 47052 | 47053 | 47054 |
| CAN6 | 47060 | 47061 | 47062 | 47063 | 47064 |
| CAN7 | 47070 | 47071 | 47072 | 47073 | 47074 |
| CAN8 | 47080 | 47081 | 47082 | 47083 | 47084 |
| CAN9 | 47090 | 47091 | 47092 | 47093 | 47094 |
| CAN10 | 47200 | 47201 | 47202 | 47203 | 47204 |
| CAN11 | 47210 | 47211 | 47212 | 47213 | 47214 |
| CAN12 | 47220 | 47221 | 47222 | 47223 | 47224 |
| CAN13 | 47230 | 47231 | 47232 | 47233 | 47234 |

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| CAN14 | 47240 | 47241 | 47242 | 47243 | 47244 |
| CAN15 | 47250 | 47251 | 47252 | 47253 | 47254 |
| CAN16 | 47260 | 47261 | 47262 | 47263 | 47264 |
| CAN17 | 47270 | 47271 | 47272 | 47273 | 47274 |
| CAN18 | 47280 | 47281 | 47282 | 47283 | 47284 |
| CAN19 | 47290 | 47291 | 47292 | 47293 | 47294 |
| CAN20 | 90000 | 90001 | 90002 | 90003 | 90004 |
| CAN21 | 90010 | 90011 | 90012 | 90013 | 90014 |
| CAN22 | 90020 | 90021 | 90022 | 90023 | 90024 |
| CAN23 | 90030 | 90031 | 90032 | 90033 | 90034 |
| CAN24 | 90040 | 90041 | 90042 | 90043 | 90044 |
| CAN25 | 90050 | 90051 | 90052 | 90053 | 90054 |
| CAN26 | 90060 | 90061 | 90062 | 90063 | 90064 |
| CAN27 | 90070 | 90071 | 90072 | 90073 | 90074 |
| CAN28 | 90080 | 90081 | 90082 | 90083 | 90084 |
| CAN29 | 90090 | 90091 | 90092 | 90093 | 90094 |
| CAN30 | 90100 | 90101 | 90102 | 90103 | 90104 |
| CAN31 | 90110 | 90111 | 90112 | 90113 | 90114 |
| CAN32 | 90120 | 90121 | 90122 | 90123 | 90124 |
| CAN33 | 90130 | 90131 | 90132 | 90133 | 90134 |
| CAN34 | 90140 | 90141 | 90142 | 90143 | 90144 |
| CAN35 | 90150 | 90151 | 90152 | 90153 | 90154 |
| CAN36 | 90160 | 90161 | 90162 | 90163 | 90164 |
| CAN37 | 90170 | 90171 | 90172 | 90173 | 90174 |
| CAN38 | 90180 | 90181 | 90182 | 90183 | 90184 |
| CAN39 | 90190 | 90191 | 90192 | 90193 | 90194 |
| CAN40 | 90200 | 90201 | 90202 | 90203 | 90204 |
| CAN41 | 90210 | 90211 | 90212 | 90213 | 90214 |
| CAN42 | 90220 | 90221 | 90222 | 90223 | 90224 |
| CAN43 | 90230 | 90231 | 90232 | 90233 | 90234 |
| CAN44 | 90240 | 90241 | 90242 | 90243 | 90244 |
| CAN45 | 90250 | 90251 | 90252 | 90253 | 90254 |
| CAN46 | 90260 | 90261 | 90262 | 90263 | 90264 |
| CAN47 | 90270 | 90271 | 90272 | 90273 | 90274 |
| CAN48 | 90280 | 90281 | 90282 | 90283 | 90284 |
| CAN49 | 90290 | 90291 | 90292 | 90293 | 90294 |
| CAN50 | 90300 | 90301 | 90302 | 90303 | 90304 |
| CAN51 | 90310 | 90311 | 90312 | 90313 | 90314 |
| CAN52 | 90320 | 90321 | 90322 | 90323 | 90324 |
| CAN53 | 90330 | 90331 | 90332 | 90333 | 90334 |
| CAN54 | 90340 | 90341 | 90342 | 90343 | 90344 |
| CAN55 | 90350 | 90351 | 90352 | 90353 | 90354 |
| CAN56 | 90360 | 90361 | 90362 | 90363 | 90364 |
| CAN57 | 90370 | 90371 | 90372 | 90373 | 90374 |
| CAN58 | 90380 | 90381 | 90382 | 90383 | 90384 |
| CAN59 | 90390 | 90391 | 90392 | 90393 | 90394 |
| CAN60 | 90400 | 90401 | 90402 | 90403 | 90404 |
| CAN61 | 90410 | 90411 | 90412 | 90413 | 90414 |
| CAN62 | 90420 | 90421 | 90422 | 90423 | 90424 |
| CAN63 | 90430 | 90431 | 90432 | 90433 | 90434 |
| CAN64 | 90440 | 90441 | 90442 | 90443 | 90444 |
| CAN65 | 90450 | 90451 | 90452 | 90453 | 90454 |
| CAN66 | 90460 | 90461 | 90462 | 90463 | 90464 |
| CAN67 | 90470 | 90471 | 90472 | 90473 | 90474 |
| CAN68 | 90480 | 90481 | 90482 | 90483 | 90484 |

Tachograph data

- Vehicle Data Priority Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---|-------------------|
| | | | Min | Max | | |
| 71090 | Uint8 | 0 | 0 | 4 | 0 - Disable 1 - Priority 1 2 - Priority 2 3 - Priority 3 4 - Priority 4 | K-line priority |
| 71091 | Uint8 | 0 | 0 | 4 | 0 - Disable 1 - Priority 1 2 - Priority 2 3 - Priority 3 4 - Priority 4 | ALLCAN priority |
| 71092 | Uint8 | 0 | 0 | 4 | 0 - Disable 1 - Priority 1 2 - Priority 2 3 - Priority 3 4 - Priority 4 | TachoCAN priority |
| 71093 | Uint8 | 0 | 0 | 4 | 0 - Disable 1 - Priority 1 2 - Priority 2 3 - Priority 3 4 - Priority 4 | FMS priority |

- Tachograph Settings

| Parameter ID | Parameter Type | Default value | Value range | | Parameter name |
|--------------|----------------|---------------|-------------|----------|------------------------------------|
| | | | Min | Max | |
| 230 | Uint32 | 0 | 0 | 99999999 | Tachograph periodic record timeout |

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------------------------|--------------------------------|
| | | | Min | Max | | |
| 231 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Send data with last good value |

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------------------------|---|
| | | | Min | Max | | |
| 232 | Uint8 | 0 | 0 | 1 | 0 - Disable 1 - Enable | Include Tachograph data into regular record |

- Tachograph parameter configuration

| Name | Parameter | | | | |
|-----------------|-----------|---------|------------|-----------|------------|
| | Priority | Operand | High level | Low level | Event only |
| Timestamp | 47500 | 47501 | - | - | 47504 |
| Drive recognize | 47510 | 47511 | - | - | 47514 |
| Over speeding | 47520 | 47521 | - | - | 47524 |
| Vehicle speed | 47530 | 47531 | 47532 | 47533 | 47534 |
| Odometer | 47540 | 47541 | - | - | 47544 |
| Distance | 47550 | 47551 | - | - | 47554 |
| VIN | 47560 | 47561 | - | - | 47564 |
| VRN | 47570 | 47571 | - | - | 47574 |

| | | | | | |
|--|-------|-------|---|---|-------|
| Driver 1 working state | 47580 | 47581 | - | - | 47584 |
| Driver 2 working state | 47590 | 47591 | - | - | 47594 |
| Driver 1 card | 47600 | 47601 | - | - | 47604 |
| Driver 2 card | 47610 | 47611 | - | - | 47514 |
| Driver 1 Time related states | 47620 | 47621 | - | - | 47624 |
| Driver 2 Time related states | 47630 | 47631 | - | - | 47634 |
| Driver 1 identification number | 47640 | 47641 | - | - | 47644 |
| Driver 2 identification number | 47650 | 47651 | - | - | 47654 |
| Card 1 issuing member state | 47660 | 47661 | - | - | 47664 |
| Card 2 issuing member state | 47670 | 47671 | - | - | 47674 |
| Driver 1 Continuous Drive time | 47680 | 47681 | - | - | 47684 |
| Driver 2 Continuous Drive time | 47690 | 47691 | - | - | 47694 |
| Driver 1 Cumulative Break time | 47700 | 47701 | - | - | 47704 |
| Driver 2 Cumulative Break time | 47710 | 47711 | - | - | 47714 |
| Driver 1 Selected activity duration | 47720 | 47721 | - | - | 47724 |
| Driver 2 Selected activity duration | 47730 | 47731 | - | - | 47734 |
| Driver 1 Cumulative Driving time | 47740 | 47741 | - | - | 47744 |
| Driver 2 Cumulative Driving time | 47750 | 47751 | - | - | 47754 |
| Data Source | 47770 | 47771 | - | - | 47774 |
| Drivers hours rules pre warning time delay | 47780 | 47781 | - | - | 47784 |
| Out of scope condition | 47790 | 47791 | - | - | 47794 |
| Next calibration date | 47800 | 47801 | - | - | 47804 |
| Driver 1 end of last daily rest report | 47810 | 47811 | - | - | 47814 |
| Driver 2 end of last daily rest report | 47880 | 47881 | - | - | 47884 |
| Driver 1 end of last weekly rest period | 47820 | 47821 | - | - | 47824 |
| Driver 2 end of last weekly rest period | 47890 | 47891 | - | - | 47894 |
| Driver 1 end of second last weekly rest period | 47830 | 47831 | - | - | 47834 |
| Driver 2 end of second last weekly rest period | 47900 | 47901 | - | - | 47904 |
| Driver 1 current daily driving time | 47840 | 47841 | - | - | 47844 |
| Driver 2 current daily driving time | 47910 | 47911 | - | - | 47914 |
| Driver 1 current weekly driving time | 47850 | 47851 | - | - | 47854 |
| Driver 2 current weekly driving time | 47920 | 47921 | - | - | 47924 |
| Driver 1 time left until new daily rest period | 47860 | 47861 | - | - | 47864 |
| Driver 2 time left until new daily rest period | 47930 | 47931 | - | - | 47934 |
| Driver 1 number of times 9h daily driving time exceeds | 47870 | 47871 | - | - | 47874 |
| Driver 2 number of times 9h daily driving time exceeds | 47940 | 47941 | - | - | 47944 |
| Driver 1 Name | 47950 | 47951 | - | - | 47954 |
| Driver 1 Surname | 47960 | 47961 | - | - | 47964 |
| Driver 2 Name | 47970 | 47971 | - | - | 47974 |
| Driver 2 Surname | 47980 | 47981 | - | - | 47984 |

RS232/RS485

- Garmin

| 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 |

- RS485

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|--------------------------|-------------|--------|--|--------------------|
| | | | Min | Max | | |
| 160 | Uint8 | 0 | 0 | 8 | 0 - Disable 1 - Silent 2 - Log Mode 3 - NMEA 4 - LLS 5 - TCP ASCII 6 - TCP Binary 7 - TCP ASCII Buffered 8 - TCP Binary Buffered | RS485 working mode |
| 161 | Uint8 | Depends on selected Mode | 0 | 115200 | 0 - Default 1200 2400 9600 14400 19200 38400 57600 115200 | Baudrate |

- LLS

| 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 |

- RS232 COM1

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

| | | | | | | |
|-----|-------|--------------------------|---|--------|---|----------|
| 152 | Uint8 | Depends on selected Mode | 0 | 115200 | 0 - Default 1200 2400 9600 14400 19200 38400 57600 115200 | Baudrate |
|-----|-------|--------------------------|---|--------|---|----------|

- RS232 COM2

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|--------------------------|-------------|--------|---|----------------|
| | | | Min | Max | | |
| 173 | Uint8 | 0 | 0 | 14 | 0 - Silent 1 - Log Mode 2 - NMEA 3 - LLS 4 - LCD 5 - RFID HID 6 - RFID MF7 7 - Garmin FMI 8 - TCP ASCII 9 - TCP Binary 10 - TCP ASCII Buffered 11 - TCP Binary Buffered 12 - REC to LCD 13 - ATOL tachograph 14 - UL202-2 Fuel Sensor | Mode |
| 174 | Uint8 | Depends on selected Mode | 0 | 115200 | 0 - Default 1200 2400 9600 14400 19200 38400 57600 115200 | Baudrate |

CAN \ Tachograph

- CAN1 Bus Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|--------------------------|----------------|
| | | | Min | Max | | |
| 205 | Uint16 | 250 | 0 | 1000 | Bus speed | CAN1 Bus Speed |
| 206 | Uint8 | 0 | 0 | 1 | 0 - Silent 1 - Normal | CAN1 Bus Mode |

- CAN2 Bus Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|------|-----------|----------------|
| | | | Min | Max | | |
| 207 | Uint16 | 250 | 0 | 1000 | Bus speed | CAN2 Bus Speed |

| | | | | | | |
|-----|-------|---|---|---|--------------------------|---------------|
| 208 | Uint8 | 0 | 0 | 1 | 0 - Silent 1 - Normal | CAN2 Bus Mode |
|-----|-------|---|---|---|--------------------------|---------------|

- Tachograph Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|---------------|--|-----------------------------------|
| | | | Min | Max | | |
| 209 | Uint8 | 1 | 0 | 1 | 0 - CAN1 1 - CAN2 | Tachograph DDD download source |
| 200 | Uint8 | 0 | 0 | 1 | Boolean | Tachograph WEB Enable |
| 201 | S8[55] | empty | empty | 55 symbols | Internet address | WEB Tacho Domain |
| 202 | Uint16 | 0 | 0 | 65535 | Port number | WEB Tacho Port |
| 203 | Uint8 | 0 | 0 | 255 | Minutes | WEB Tacho start delay |
| 204 | Uint8 | 0 | 0 | 4 | 0 - Ignition 1 - DIN1 2 - DIN2 3 - DIN3 4 - DIN4 | Tachograph ignition source |

- FMS Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|----------------------|------------------------|
| | | | Min | Max | | |
| 210 | Uint8 | 0 | 0 | 1 | 0 - CAN1 1 - CAN2 | FMS data source |
| 212 | Uint8 | 0 | 0 | 1 | 0 - CAN1 1 - CAN2 | Manual CAN Settings |

Continental TPMS

- TPMS Request Period

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-------|-------|----------------|
| | | | Min | Max | | |
| 65026 | Uint16 | 0 | 0 | 65535 | Time | TPMS Period |

- Continental TPMS parameter configuration

| Name | Parameter | | | | |
|-----------------------|-----------|---------|------------|-----------|------------|
| | Priority | Operand | High level | Low level | Event only |
| Total Tire Controlled | 80000 | 80001 | 80002 | 80003 | 80004 |
| Total Number of AXL | 80010 | 80011 | 80012 | 80013 | 80014 |
| Graphical Position | 80020 | 80021 | 80022 | 80023 | 80024 |
| Tire 1 | 80030 | 80031 | 80032 | 80033 | 80034 |
| Tire 2 | 80040 | 80041 | 80042 | 80043 | 80044 |
| Tire 3 | 80050 | 80051 | 80052 | 80053 | 80054 |
| Tire 4 | 80060 | 80061 | 80062 | 80063 | 80064 |
| Tire 5 | 80070 | 80071 | 80072 | 80073 | 80074 |
| Tire 6 | 80080 | 80081 | 80082 | 80083 | 80084 |
| Tire 7 | 80090 | 80091 | 80092 | 80093 | 80094 |
| Tire 8 | 80100 | 80101 | 80102 | 80103 | 80104 |
| Tire 9 | 80110 | 80111 | 80112 | 80113 | 80114 |
| Tire 10 | 80120 | 80121 | 80122 | 80123 | 80124 |
| Tire 11 | 80130 | 80131 | 80132 | 80133 | 80134 |
| Tire 12 | 80140 | 80141 | 80142 | 80143 | 80144 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| Tire 13 | 80150 | 80151 | 80152 | 80153 | 80154 |
| Tire 14 | 80160 | 80161 | 80162 | 80163 | 80164 |
| Tire 15 | 80170 | 80171 | 80172 | 80173 | 80174 |
| Tire 16 | 80180 | 80181 | 80182 | 80183 | 80184 |
| Tire 17 | 80190 | 80191 | 80192 | 80193 | 80194 |
| Tire 18 | 80200 | 80201 | 80202 | 80203 | 80204 |
| Tire 19 | 80210 | 80211 | 80212 | 80213 | 80214 |
| Tire 20 | 80220 | 80221 | 80222 | 80223 | 80224 |
| Tire 21 | 80230 | 80231 | 80232 | 80233 | 80234 |
| Tire 22 | 80240 | 80241 | 80242 | 80243 | 80244 |
| Tire 23 | 80250 | 80251 | 80252 | 80253 | 80254 |
| Tire 24 | 80260 | 80261 | 80262 | 80263 | 80264 |

Mobileye

- Mobileye parameter configuration:

| Name | Parameter | | | | |
|-----------------------------------|-----------|---------|------------|-----------|------------|
| | Priority | Operand | High level | Low level | Event only |
| ME Sound Type | 73000 | 73001 | 73002 | 73003 | 73004 |
| ME Pedestrians in DZ | 73010 | 73011 | 73012 | 73013 | 73014 |
| ME Pedestrians in FCW | 73020 | 73021 | 73022 | 73023 | 73024 |
| ME Time Indicator | 73030 | 73031 | 73032 | 73033 | 73034 |
| ME Error Valid | 73040 | 73041 | 73042 | 73043 | 73044 |
| ME Error Code | 73050 | 73051 | 73052 | 73053 | 73054 |
| ME Zero Speed | 73060 | 73061 | 73062 | 73063 | 73064 |
| ME Headway Valid | 73070 | 73071 | 73072 | 73073 | 73074 |
| ME Headway Measurement | 73080 | 73081 | 73082 | 73083 | 73084 |
| ME LDW Off | 73090 | 73091 | 73092 | 73093 | 73094 |
| ME Left LDW On | 73100 | 73101 | 73102 | 73103 | 73104 |
| ME Right LDW On | 73110 | 73111 | 73112 | 73113 | 73114 |
| ME Maintenance | 73120 | 73121 | 73122 | 73123 | 73124 |
| ME Fail Safe | 73130 | 73131 | 73132 | 73133 | 73134 |
| ME FCW On | 73140 | 73141 | 73142 | 73143 | 73144 |
| ME TSR Enabled | 73150 | 73151 | 73152 | 73153 | 73154 |
| ME Headway Warning Repeat Enabled | 73160 | 73161 | 73162 | 73163 | 73164 |
| ME Headway Warning Level | 73170 | 73171 | 73172 | 73173 | 73174 |
| ME TSR Warning Level | 73180 | 73181 | 73182 | 73183 | 73184 |
| ME Tamper Alert | 73190 | 73191 | 73192 | 73193 | 73194 |
| ME High Beam | 73200 | 73201 | 73202 | 73203 | 73204 |
| ME Low Beam | 73210 | 73211 | 73212 | 73213 | 73214 |
| ME Wipers | 73220 | 73221 | 73222 | 73223 | 73224 |
| ME Right Signal | 73230 | 73231 | 73232 | 73233 | 73234 |
| ME Left Signal | 73240 | 73241 | 73242 | 73243 | 73244 |
| ME Brake Signal | 73250 | 73251 | 73252 | 73253 | 73254 |
| ME Wipers Available | 73260 | 73261 | 73262 | 73263 | 73264 |
| ME Low Beam Available | 73270 | 73271 | 73272 | 73273 | 73274 |
| ME High Beam Available | 73280 | 73281 | 73282 | 73283 | 73284 |
| ME Speed Available | 73290 | 73291 | 73292 | 73293 | 73294 |
| ME Speed | 73300 | 73301 | 73302 | 73303 | 73304 |
| ME TSR 01 | 73310 | 73311 | 73312 | 73313 | 73314 |
| ME TSR 02 | 73320 | 73321 | 73322 | 73323 | 73324 |
| ME TSR 03 | 73330 | 73331 | 73332 | 73333 | 73334 |
| ME TSR 04 | 73340 | 73341 | 73342 | 73343 | 73344 |
| ME TSR 05 | 73350 | 73351 | 73352 | 73353 | 73354 |

| | | | | | |
|-----------|-------|-------|-------|-------|-------|
| ME TSR 06 | 73360 | 73361 | 73362 | 73363 | 73364 |
| ME TSR 07 | 73370 | 73371 | 73372 | 73373 | 73374 |
| ME TSR VO | 73380 | 73381 | 73382 | 73383 | 73384 |

Reefer

- Reefer parameter configuration:

| Name | Parameter | | | | |
|------------------------------------|-----------|---------|------------|-----------|------------|
| | Priority | Operand | High level | Low level | Event only |
| Zone 1 Return Air Temperature 1 | 48270 | 48271 | 48272 | 48273 | 48274 |
| Zone 1 Return Air Temperature 2 | 48310 | 48311 | 48312 | 48313 | 48314 |
| Zone 1 Supply Air Temperature 1 | 48280 | 48281 | 48282 | 48283 | 48284 |
| Zone 1 Supply Air Temperature 2 | 48320 | 48321 | 48322 | 48323 | 48324 |
| Zone 1 Set Temperature | 48290 | 48291 | 48292 | 48293 | 48294 |
| Zone 2 Supply Air Temperature 1 | 48370 | 48371 | 48372 | 48373 | 48374 |
| Zone 2 Return Air Temperature 1 | 48360 | 48361 | 48362 | 48363 | 48364 |
| Zone 2 Set Temperature | 48380 | 48381 | 48382 | 48383 | 48384 |
| Ambient Air Temperature | 48510 | 48511 | 48512 | 48513 | 48514 |
| Compressor Coolant Temperature | 48520 | 48521 | 48522 | 48523 | 48524 |
| Compressor RPM | 48540 | 48541 | 48542 | 48543 | 48544 |
| Compressor Config | 48550 | 48551 | 48552 | 48553 | 48554 |
| Battery Voltage (V*10) | 48210 | 48211 | 48212 | 48213 | 48214 |
| Compressor Motor Work Minutes (HM) | 48241 | 48241 | 48242 | 48243 | 48244 |
| Reefer work Minutes (HMT) | 48230 | 48231 | 48232 | 48233 | 48234 |
| Electric Minutes (HME) | 48220 | 48221 | 48222 | 48223 | 48224 |
| Door Status | 48560 | 48561 | 48562 | 48563 | 48564 |
| Installation Serial | 48570 | 48571 | 48572 | 48573 | 48574 |
| Trailer Registration Number | 48580 | 48581 | 48582 | 48583 | 48584 |
| Error Count | 48530 | 48530 | 48530 | 48530 | 48530 |
| Alarm 1 | 48260 | 48261 | 48262 | 48263 | 48264 |
| Alarm 2 | 48350 | 48351 | 48352 | 48353 | 48354 |
| Alarm 3 | 48440 | 48441 | 48442 | 48443 | 48444 |