

TAT100 Parameter list

[Main Page](#) > [Autonomous Trackers](#) > [TAT100](#) > [TAT100 Manual](#) > **TAT100 Parameter list**



Contents

- [1 System parameters](#)
 - [1.1 System Settings](#)
- [2 GPRS](#)
 - [2.1 GPRS Settings](#)
 - [2.2 Server Settings](#)
 - [2.3 Records Settings](#)
 - [2.4 FOTA WEB Settings](#)
- [3 SMS/Call Settings](#)
 - [3.1 SMS Commands](#)
- [4 GSM Operations](#)
 - [4.1 Common settings](#)
- [5 Tracking](#)
 - [5.1 Tracking Scenarios](#)
 - [5.2 Scheduler](#)
- [6 I/O](#)

System parameters

System Settings

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

| | | | | | | |
|------------|--------|---------------------|---|----|--|------------------------------------|
| 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 |
| 187 | Uint8 | 5 | 0 | 30 | Seconds | Coordinate Acquisition Timeout (s) |
| 106 | Uint16 | 1 | 0 | 1 | 0 - Disable 1 - Enable | Static Navigation |
| 113 | Uint8 | 0 | 0 | 1 | 0 - Codec 8 1 - Codec 8 Extended | Data Protocol |
| 188 | Uint8 | 0 | 0 | 2 | 0 - GNSS 1 - LBS 2 - GNSS or LBS | Location Source |
| 191 | Uint8 | 6 | 0 | 9 | 4 - 50 mG 5 - 100 mG 6 - 150 mG 7 - 200 mG 8 - 250 mG 9 - 300 mG 0 - 350 mG 1 - 500 mG 2 - 750 mG 3 - 1000 mG | Movement Sensitivity |
| 902 | Char | "av11.teltonika.lt" | 0 | 55 | String | NTP server 1 |
| 903 | Char | "pool.ntp.org" | 0 | 55 | String | NTP server 2 |

GPRS

GPRS Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------------------------|----------------|
| | | | Min | Max | | |
| 2000 | Uint8 | 1 | 0 | 1 | 0 - Disable 1 - Enable | GPRS context |
| 2001 | Char | "" | 0 | 32 | String | APN |

| | | | | | | |
|------|-------|----|---|----|--|--------------|
| 2002 | Char | "" | 0 | 32 | String | APN username |
| 2003 | Char | "" | 0 | 32 | String | APN password |
| 2016 | Uint8 | 0 | 0 | 1 | 0 - Normal (PAP) 1 - Secured (CHAP) | - |

Server Settings

| 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 | 1 | 0 - TCP 1 - UDP | Protocol |

Records Settings

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|--------------------------|----------------|
| | | | Min | Max | | |
| 1002 | Uint8 | 1 | 0 | 1 | 0 - Newest 1 - Oldest | Sort by |
| 1004 | Uint8 | 1 | 0 | 1 | 0 - TCP/IP 1 - AVL | ACK Type |

FOTA WEB Settings

| 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 | fota.teltonika.lt | 0 | 55 | String | FOTA WEB Domain |
| 13001 | Uint16 | 5000 | 0 | 65535 | Number | FOTA WEB Port |

SMS/Call Settings

SMS Commands

| 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 |

GSM Operations

Common settings

| 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 |

Tracking

Tracking Scenarios

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|---|----------------|
| | | | Min | Max | | |
| 184 | UInt8 | 2 | 0 | 2 | 0 - Backup Tracker 1 - Periodic 2 - Scheduler | Tracking mode |
| 3006 | UInt8 | 0 | -720 | 840 | -720 - UTC-12:00 -690 - UTC-11:30 -660 - UTC-11:00 -630 - UTC-10:30 -600 - UTC-10:00 -570 - UTC-09:30 -540 - UTC-09:00 -510 - UTC-08:30 -480 - UTC-08:00 -450 - UTC-07:30 -420 - UTC-07:00 -390 - UTC-06:30 -360 - UTC-06:00 -330 - UTC-05:30 -300 - UTC-05:00 -270 - UTC-04:30 -240 - UTC-04:00 -210 - UTC-03:30 -180 - UTC-03:00 -150 - UTC-02:30 -120 - UTC-02:00 -90 - UTC-01:30 -60 - UTC-01:00 -30 - UTC-00:30 0 - UTC+00:00 30 - UTC+00:30 60 - UTC+01:00 90 - UTC+01:30 120 - UTC+02:00 150 - UTC+02:30 180 - UTC+03:00 210 - UTC+03:30 240 - UTC+04:00 270 - UTC+04:30 300 - UTC+05:00 330 - UTC+05:30 360 - UTC+06:00 390 - UTC+06:30 420 - UTC+07:00 450 - UTC+07:30 480 - UTC+08:00 510 - UTC+08:30 540 - UTC+09:00 570 - UTC+09:30 600 - UTC+10:00 630 - UTC+10:30 660 - UTC+11:00 690 - UTC+11:30 720 - UTC+12:00 750 - UTC+12:30 780 - UTC+13:00 810 - UTC+13:30 840 - UTC+14:00 | UTC Time Zone |

| | | | | | | |
|------------|----------|-------|-----|--------|---|---------------|
| 185 | Uint32_t | 28800 | 360 | 259200 | Seconds | On Stop (s) |
| 186 | Uint32_t | 28800 | 360 | 259200 | Seconds | On Moving (s) |
| 196 | Uint8 | 1 | 1 | 10 | 1 - None 2 - Tamper 4 - Lost BLE sensor 6 - Tamper & Lost BLE sensor 8 - Backup Tracker 10 - Tamper & Backup Tracker | Recovery Mode |
| 197 | Uint8 | 180 | 30 | 28800 | Seconds | Period(s) |

Scheduler

| Parameter ID | Parameter Type | Default value | Value range | | Value | Parameter name | Day Of The Week |
|--------------|----------------|---------------|-------------|------|--|-----------------|-----------------|
| | | | Min | Max | | | |
| 2600 | Uint8 | 0 | 0 | 1 | 0 - OFF 1 - ON | Day Of The Week | Monday |
| 2500 | Uint8 | 1 | 1 | 6 | 1 - 1 2 - 2 3 - 3 4 - 4 5 - 5 6 - 6 | Records per day | |
| 2510 | Uint8 | 1200 | 0000 | 2359 | time | 1st Record | |
| 2511 | Uint8 | 1200 | 0000 | 2359 | time | 2nd Record | |
| 2512 | Uint8 | 1200 | 0000 | 2359 | time | 3rd Record | |
| 2513 | Uint8 | 1200 | 0000 | 2359 | time | 4th Record | |
| 2514 | Uint8 | 1200 | 0000 | 2359 | time | 5th Record | |
| 2515 | Uint8 | 1200 | 0000 | 2359 | time | 6th Record | |

IMPORTANT: 4 digits representing time in 24 hours format. For example: 1826 will be 18h 26 min. Note, that value can not be an invalid time like 1899.

Similarly to a group defined in the upper table:

| Day Of The Week | Parameter ID | | | | | | | |
|------------------|--------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Day | Records per day | 1st | 2nd | 3rd | 4th | 5th | 6th |
| Monday | 2600 | 2500 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 |
| Tuesday | 2601 | 2501 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 |
| Wednesday | 2602 | 2502 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 |
| Thursday | 2603 | 2503 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 |
| Friday | 2604 | 2504 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 |
| Saturday | 2605 | 2505 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 |
| Sunday | 2606 | 2506 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 |

I/O

| Parameter ID | Parameter Type | Default value | Value range | | Value | parameter | Input Name |
|--------------|----------------|---------------|-------------|-----|-------|-----------|------------|
| | | | Min | Max | | | |

| | | | | | | | |
|--------------|--------|------------|---|-------|--|---------------|--------------------|
| 50020 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Data Mode |
| 50023 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50022 | UInt8 | 0 | 0 | 5 | - | High Level | |
| 50024 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50021 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7002 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8002 | String | Data Mode | 0 | 160 | Predefined Number | SMS Text | |
| 50030 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GSM Signal |
| 50033 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50032 | UInt8 | 0 | 0 | 5 | - | High Level | |
| 50034 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50031 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50035 | UInt16 | 7 | 0 | 65535 | - | Average Const | |
| 7003 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8003 | String | GSM Signal | 0 | 160 | Predefined Number | SMS Text | |
| 50050 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GNSS Status |
| 50053 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50052 | UInt8 | 0 | 0 | 5 | - | High Level | |
| 50054 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50051 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7005 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8005 | String | GNSS Power | 0 | 160 | Predefined Number | SMS Text | |

| | | | | | | | |
|--------------|--------|-----------|---|-------|--|---------------|------------------|
| 50060 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GNSS PDOP |
| 50063 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50062 | UInt8 | 0 | 0 | 1000 | - | High Level | |
| 50064 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50061 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50065 | UInt16 | 10 | 0 | 65535 | - | Average Const | |
| 7006 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8006 | String | GNSS PDOP | 0 | 160 | Predefined Number | SMS Text | |
| 50070 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GNSS HDOP |
| 50073 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50072 | UInt8 | 0 | 0 | 1000 | - | High Level | |
| 50074 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50071 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50075 | UInt16 | 10 | 0 | 65535 | - | Average Const | |
| 7007 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8007 | String | GNSS HDOP | 0 | 160 | Predefined Number | SMS Text | |
| 50090 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Speed |
| 50093 | UInt8 | 0 | 0 | 0 | Km/h | Low Level | |
| 50092 | UInt8 | 0 | 0 | 300 | Km/h | High Level | |
| 50094 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50091 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50095 | UInt16 | 1 | 0 | 65535 | - | Average Const | |
| 7009 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8009 | String | Speed | 0 | 160 | Predefined Number | SMS Text | |

| | | | | | | | |
|--------------|--------|-----------------|---|---------------------------|--|---------------|------------------------|
| 50100 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GSM Cell ID |
| 50103 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50102 | UInt8 | 0 | 0 | 999999 | - | High Level | |
| 50104 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50101 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7010 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8010 | String | GSM Cell ID | 0 | 160 | Predefined Number | SMS Text | |
| 50110 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | GSM Area Code |
| 50113 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50112 | UInt8 | 0 | 0 | 999999 | - | High Level | |
| 50114 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50111 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7011 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8011 | String | GSM Area Code | 0 | 160 | Predefined Number | SMS Text | |
| 50120 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Battery Voltage |
| 50123 | UInt8 | 0 | 0 | 5000/11000 (LiPo/NiMh) | mV | Low Level | |
| 50122 | UInt8 | 0 | 0 | 5000/11000 (LiPo/NiMh) | mV | High Level | |
| 50124 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50121 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50125 | UInt16 | 10 | 0 | 65535 | - | Average Const | |
| 7012 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8012 | String | Battery Voltage | 0 | 160 | Predefined Number | SMS Text | |

| | | | | | | | |
|--------------|--------|---------------------|---|---------|--|---------------|----------------------------|
| 50140 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Active GSM Operator |
| 50143 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50142 | UInt8 | 0 | 0 | 9999999 | - | High Level | |
| 50144 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50141 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7014 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8014 | String | Active GSM Operator | 0 | 160 | Predefined Number | SMS Text | |
| 50250 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | ICCID |
| 50254 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50251 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7069 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8069 | String | ICCID Value | 0 | 160 | Predefined Number | SMS Text | |
| 51050 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Instant Movement |
| 51053 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 51052 | UInt8 | 0 | 0 | 1 | - | High Level | |
| 51054 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 51051 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 51055 | UInt16 | 10 | 0 | 65535 | - | Average Const | |
| 7286 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8286 | String | Instant Movement | 0 | 160 | Predefined Number | SMS Text | |
| 51730 | UInt8 | 0 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | Coordinates ISO6709 |
| 51734 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 51731 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 7376 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8376 | String | ISO6709 Coordinates | 0 | 160 | Predefined Number | SMS Text | |

| | | | | | | | Movement |
|--------------|--------|----------|---|-------|--|---------------|-----------------|
| 50010 | UInt8 | 1 | 0 | 3 | 0 - None 1 - Low 2 - High 3 - Panic | Priority | |
| 50013 | UInt8 | 0 | 0 | 0 | - | Low Level | |
| 50012 | UInt8 | 0 | 0 | 1 | - | High Level | |
| 50014 | UInt8 | 0 | 0 | 1 | 0 - No 1 - Yes 2 - Crash | Event Only | |
| 50011 | UInt8 | 3 | 0 | 6 | 0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change | Operand | |
| 50015 | UInt16 | 10 | 0 | 65535 | - | Average Const | |
| 7001 | UInt8 | 0 | 0 | 10 | Predefined Number | Send SMS To | |
| 8001 | String | Movement | 0 | 160 | Predefined Number | SMS Text | |