

Template:FMM640 I/O settings

When no I/O element is enabled, AVL packet comes with GNSS information only. After enabling I/O element(s) AVL packet contains current value(s) of enabled I/O element(s) along with GNSS information. If the device is connected to configurator all current I/O values are displayed in Current Value column. Priority field allows enabling I/O elements and setting them a priority so they are added to the data packet, which is sent to the server. By default 10 I/O elements with low priority are enabled: Ignition, Movement, Data Mode, GSM Signal, Sleep Mode, GNSS Status, GNSS PDOP, GNSS HDOP, External Voltage and Speed. Priority level (AVL packet priority) can be Low, High or Panic. All records made by FMM640 are regular, and regular packets are sent as low priority records. When Low priority event is triggered, FMM640 makes an additional record with an indication that the event was caused by an I/O element change (depending on Operand configuration). When High priority is selected, module makes an additional record with high priority flag and sends event packet immediately to the server using GPRS. Panic priority triggers same actions as High priority, but if GPRS fails, it sends an AVL packet using SMS data if SMS data sending is enabled and the number is provided in SMS/Call Settings. High and Low levels define I/O value range. If I/O value enters or exits this range, FMM640 generates an event. Operand parameter defines when to generate event: On Exit, On Entrance, On Both, On Hysteresis or On Delta Change. When Event Only is selected, I/O element status value will be appended only to eventual records, otherwise I/O element status value will appear in each AVL record.