



## PRODUCT RELEASE NOTE

### GSM Alarm and management system ESIM384 2G EU

**Version No. v01.11.21**

**2020-06-09**

**Issued by: Giedrius Ališauskas**

#### **New Functions**

1. New SMS commands are available for changing Time Sync. options (Disable, Auto, CMS).
2. ESIM384 FW version can now be updated using single button click at Utility Tool Dashboard section. FW will be updated using internet connection of PC (works while connected via USB cable only).
3. Eldes API Service Support included.
4. Configuration lock command from EGR100 receiver support included.

#### **Functions changes**

1. Periodical info notification will not be sent to Eldes Security app.
2. Improvements for faster communication between security panel and EWM1 and EW2.
3. "Activate siren if wireless device is lost" function is now available only at Utility Tool System -> Device settings -> Wireless Supervision Notifications section. It is named "Active siren".
4. General system stability improvements

#### **Bugs solved**

1. In some cases if ATZ mode was enabled and Zone type 5 was used, incorrect alarm indication with third party wired PIR sensors may occur - fixed.
2. In some cases on EPGM1 zones resistance were not shown on Utility Tool software - fixed.
3. If system is disarmed, during tamper, 24h or fire zone alarm, any violation on Delay zones are presented as alarm too - fixed.
4. Additional conditions on Automation section of "Zone Violated" and "Zone Restored" doesn't work -fixed.
5. If special symbols are used on output names, some of them are specified incorrectly when using EKB2 Quick Control buttons - fixed.
6. If user name is changed via EWKB5 on Russian FW version, user name is saved incorrectly - fixed.
7. If zone is violated on EPGM1 it will lit all remaining zone LED lights - fixed.
8. In case of 'Date and Time fault' was detected, PGM outputs returns to startup state - fixed.

**Version No. v01.10.38**

**2020-02-03**

**Issued by: Giedrius Ališauskas**

#### **New Functions**

#### **Functions changes**

#### **Bugs solved**

1. In case of disarming system daily via Eldes Security application, approximately after 2 months, application will take longer to response or become unusable - fixed.



**Version No. 01.10.37**

**2020-01-15**

**Issued by: Giedrius Ališauskas**

**New Functions**

1. New system event "System Disarms from any" added to automation section.
2. It is now possible to select "Any Partition" option on automation section which will trigger output action if any of the partitions will meet system event.

**Functions changes**

1. It is now possible to select multiple partitions on automation section that will trigger output action only if all of them will meet selected system event.

**Bugs solved**

**Version No. 01.10.32**

**2019-11-19**

**Issued by: Aleksas Dilba**

**New Functions**

**Functions changes**

**Bugs solved**

1. Utility does not display output turn off automation after fw update from lower than 01.10.30 - Fixed

**Version No. v01.10.31**

**2019-11-13**

**Issued by: Aleksas Dilba**

**New Functions**

1. Keypad EKB2 allows to use Long press of buttons from 0 to 9 and achieve these Quick Controls:

- Arm (Instant)
- Arm (Exit delay)
- Arm Stay (Home)
- Turn ON Output
- Turn OFF Output
- Toggle Output
- Pulse ON Output
- Pulse OFF Output

Easy configuration will allow assigning any action to any numeric button with long press.

2. New output type section will allow to select right output type via dropdown:

- Pulse on
- Pulse off
- Switch

3. EKB2 Output control section includes new possibility to Toggle.



4. EKB2 Output control section includes new possibility to Pulse.
5. EWKB5 Allows to pulse output if output type is set to "Pulse ON/OFF".
6. New automation option that allows using system event "Fire alarm begins", "Fire alarm ends" for output automation.
7. Output/System control allows picking new system events "System arms stay", "System disarm from stay".
8. More flexible configuration by adding possibility to pick more than one partition in output/system action.

#### **Functions changes**

1. EWK2/EWK2A Pulse on/off function renamed to "SWITCH ON for a time".
2. EWKB4/EKB3W/EKB3 will allow to pulse output if "Output type" is set to "Pulse ON/OFF".
3. SMS command will allow to pulse output by sending: "xxxx C1:ON". It will result in output pulse for set duration.
4. Four times more additional conditions included in automation section. Expanded count of conditions "Proceed action only if event occurs in specified time period" and "proceed action only if additional condition is also valid" allow to use more flexible automation scenarios and see count of left conditions.
5. More automation scenarios for system and output action included. Now it is possible to use up to 32 "Output Control" actions, up to 16 "System Control" actions.
6. Automation Pulse on/off function renamed to "SWITCH ON/OFF for a time".
7. Improved cloud communication.

#### **Bugs solved**

1. EWM1 Pulse off automation. - fixed.
2. EWM1/EW2 after ESIM 384 reboot incorrect startup status acquisition. -fixed
3. "Eldes Security" application shows incorrect temperature values if no temperature sensors added to temperature slots. -fixed
4. EWM1 successful status change displayed in "Eldes security" even if device is offline. - fixed
5. ESIM 384 if removed from "Eldes Security" location, it was necessary to reboot panel before adding. -fixed

**Version No. v01.09.15**

**2019-09-11**

**Issued by: Evaldas Zaskevičius**

#### **New Functions**

#### **Functions changes**

#### **Bugs solved**

1. Date and time can not be changed using EKB2 keypad on ESIM384 with FW versions 01.09.08 and 01.09.10 - fixed.

**Version No. v01.09.10**

**2019-07-22**

**Issued by: Evaldas Zaskevičius**

#### **New Functions**

#### **Functions changes**

#### **Bugs solved**

1. EKB3 keypad becomes inactive after updating ESIM384 FW to version 01.09.08 - fixed.



**Version No. v01.09.08**

**2019-06-28**

**Issued by: Evaldas Zaskevičius**

#### **New Functions**

1. Polish language added to EWKB5.

#### **Functions changes**

1. General SIM switch improvements for even faster switching between SIM1 and SIM2.
2. Automatic Unit ID assignment improved when default Unit ID 0000 is selected on CMS (ARC) section with EGR100 protocol.
3. SMS communication channel on CMS (ARC) section improved.
4. Unnecessary SMS message of 'Restart cause: code:0x03' removed after system restart.
5. System faults will be sent with Z0 instead of Z1 to CMS.
6. Zone alarm notifications on Eldes Security app improved.
7. EWD3 battery calculation improved.
8. EWS2 battery calculation improved.
9. Communication with EWKB4 improved.
10. General EWKB5 improvements.
11. General EKB2 improvements.
12. Additional events added to system log informing about restore of EWM1.
13. Repeated 'GSM NO OPERATOR' event in System Log will be marked once instead of flooding System Log with same event.
14. General system stability improvements.

#### **Bugs solved**

1. In some cases Automation action wasn't performed if zone violation action was selected and zone had a Shared attribute enabled – fixed.
2. Remote connection was not canceled after pressing 'Disconnect' button during reading settings time period on remote connection – fixed.
3. Minus temperatures from 0.1 to 0.9 were shown without '-' sign on EKB2 – fixed.
4. In some cases after violating zone with 'Report' type system alarm was caused and in case of automation action was created, PGM output was triggered too – fixed.

**Version No. v01.08.06**

**2019-03-27**

**Issued by: Aleksas Dilba**

#### **New Functions**

1. Additional SMS notification settings included. It allows selecting 3 options:
  - SMS disabled. Enabling this feature will result in no response from commands STCONFIG and FOTA. If required for remote connection, device IMEI can found in mobile app "Location Settings".
  - SMS only to CMS(Central Monitoring Station).
  - Full SMS support.
2. New support of 8-symbol Account ID format for EGR 100 protocol.
3. Support of EWK2 black included.



4. Support of EWS4 included.
5. "Time synchronization over CMS" included. Allows date and time synchronization over EGR100.

### **Functions changes**

#### Functions changes

1. Time for adding device to Cloud server via Eldes Security app reduced at least 5 times.
2. During remote connection, wireless device "test period" lowered to 10 sec, for duration of Remote session.
3. Delivery report request removed from message, which informs about FOTA start.
4. Shortened re-connection time to Cloud server and Central Monitoring Station after remote communication stopped.
5. Delivery report request removed from time synchronization by loop SMS.
6. Improved EWK2 signal transmitting algorithm.

### **Bugs solved**

1. During remote connection, incorrect wired temperature sensor readings displayed – fixed.
2. C2 PGM status altering may freeze on some occasions – fixed.
3. Wired temperature sensor last reading stays on Eldes security, after sensor removal from temperature sensor slot in Eldes Utility – fixed.
4. ESIM 384 may not respond to EGR100 commands if default test period is set less than 10 sec. – fixed.
5. Successful user code entry may initiate Wrong password voice indication on rare occasion while using EWKB5 -fixed(in compliance with EWKB5 v1.6 or higher).

**Version No. v01.06.03**

**2019-01-15**

**Issued by: Evaldas Zaskevičius**

### **New Functions**

1. If two SIM cards are used on panel and backup SIM is switched to send events, CMS is informed with additional message that SIM card changed from Primary to Backup and vice versa. Also, active SIM card number becomes bold on EGR100 software on 'All devices' section.

### **Functions changes**

1. Remote connection improvements on weak radio environments.
2. Time Synchronization over GSM network improved. Additional time synchronization parameters added – 'Automatic Time Synchronization'.
3. FOTA function improvement.

### **Bugs solved**

1. If 'Battery low' event is generated on EWKB4 after changing batteries to new ones fault is not removed until system restarted – fixed.
2. In some cases USB stops working if SIM card is removed from panel – fixed.
3. When remote connection using TCP/IP server is used, remote server settings are saved to security panel. After that standard remote connection via Remote server was unavailable – fixed.
4. Few special symbols are shown on SMS message incorrectly – fixed.
5. Tamper violations are not shown on remote connection – fixed.
6. IMEI number is not send when requesting it via EGR100 – fixed.



7. 'GSM level' event is send to EGR100 software if KRONOS protocol is selected on panel – fixed.
8. Partial Arm SMS text grammar fixed.
9. 'Communication to MS failed' fault is not removed after actual restore – fixed.
10. If 2-wire tamper is violated, system shows it as Zone 2 tamper when connected remotely – fixed.

**Version No. v01.05.16**

**2018-11-26**

**Issued by: Evaldas Zaskevičius**

**New Functions**

**Functions changes**

**Bugs solved**

1. EGR100 protocol encryption bug - fixed.

**Version No. v01.05.12**

**2018-10-31**

**Issued by: Evaldas Zaskevičius**

**New Functions**

1. 2-wire smoke detector support added. PGM2 can be converted from standard PGM to 2-wire smoke detector zone.
2. SIA IP DC-09 protocol can be sent over UDP (User Datagram Protocol).

**Functions changes**

1. EWKB4 keypad zone is disabled by default.
2. EWKB5 keypad zone is disabled by default.
3. SIA IP protocol improved by adding „|“ mark.

**Bugs solved**

1. If panel is powered up via USB only, Smart ID code is generated.
2. Manual SIM Switch function do not switch to backup channel if Primary SIM card is not operating.

**Version No. v01.04.02**

**2018-09-24**

**Issued by: Aleksas Dilba**

**New Functions**

1. Device supports new "Get device info" command over EGR100.
2. Device supports new "Bypass" command over EGR100.
3. Device supports new "Initiate Remote Configuration" command over EGR100.
4. Device supports new "Change device ID" command over EGR100.
5. Device supports new "FOTA" command over EGR100

**Functions changes**



1. Algorithm of connection to FOTA server changed

#### **Bugs solved**

1. EGR100 Arm/disarm command does not work.
2. Remote connection over ELAN3-ALARM does not work if system startup was made without SIM card inserted.

After upgrading device firmware it is required to update Eldes Utility!

**Version No. v01.03.02**

**2018-07-27**

**Issued by: Evaldas Zaskevičius**

#### **New Functions**

##### **Functions changes**

1. EWP3 battery level calculation changed to improve device stability before complete battery depletion.
2. 'GSM Failure' event will be recorded only once to event log until fault is restored.

#### **Bugs solved**

1. EWKB4 in rare cases would not accept commands after entering correct buttons combination.

**Version No. v01.03.00**

**2018-05-30**

**Issued by: Evaldas Zaskevičius**

#### **New Functions**

1. Manual SIM switch added.
2. It is now possible to add new alarm panel to Cloud using ELAN3 module.
3. Updated SIA-IP version, now supports 2007 and 2013 versions correctly (including encryption).
4. It is now possible to Arm in Stay mode using Scheduler.
5. Smart Security duplicate events protection added.
6. Smart Security quick ping function improved, more stability added to Cloud.

##### **Functions changes**

1. If Cloud Service is enabled on alarm panel, but it is not added to any "Eldes Security" app account, alarm panel will indicate it and automatically reduce connection attempts to Cloud.
2. Remote configuration improves for stability - remote configuration broadcast timing improved (new RF devices will be added faster using remote configuration).
3. „Low battery“ notifications detection on wireless devices improved.
4. It is now possible just to restore triggered delay zone to arm system to Arm mode instead of Stay mode.
5. Updates Polish translations on EKB2 and SMS.
6. CID „Can't Arm“ event enabled by default.

#### **Bugs solved**

1. Bypass and Stay icons are not updated after disarm on EKB2.
2. Remote connection via ELAN3 module is possible when system is armed.



3. When changing MS communication method from GPRS to ELAN, method is not changed.
4. ELAN3 module restarts modem if it fails to send data after attempt.
5. In case of „Fire“ alarm and disarming system after it, EWKB5 will indicate any other alarms as „Fire“, unless disarm of system is performed using that EWKB5.
6. There is no user name in disarm SMS message when disarming system using EWKB4 keypad.
7. SMS „Signal Strength“ spelling corrected.
8. Buzzer on EKB3 not always beeps when necessary.
9. It is not allowed to disarm system using Utility Tool if partition is corrupted.
10. If EKB3 zone is disabled, it still can be seen as active on EKB2.
11. Push notifications don't arrive to Cloud if Event Log is disabled on configuration.
12. IMEI and FW version are not send to MS on system startup if EGR100 protocol is used.
13. "Delay" type of zone does not report alarm via SMS and to Monitoring Station if "Int. Follower" zone is violated right after "Delay" type of zone is triggered.
14. Negative temperature of Dallas sensors is displayed incorrectly.
15. Zones/tampers higher than 128 status are not updated via remote configuration.
16. Arm all partitions function on EWKB3 and EKB3 works incorrectly.
17. After reaching SMS day limit might use all SMS queue and will never restore - will not send SMS to user, even if „Removeban“ was sent. In some cases if SMS day limit is reached and „Removeban“ message is send, alarm panel might still not send messages.
18. Low battery event on EWKB5 was not send for user.
19. „GSM Fault“ restore event was not generated after actual GSM network connection restore.
20. When synchronizing to Cloud, security panel was sending it's language as English no matter what actual language is.

**Version No. v01.02.00**

**2018-02-20**

**Issued by: Aleksas Dilba**

#### **New Functions**

1. Increased wireless device support from 32 to 64 devices.
2. EWKB4 4 partition mode included. If mode is on, the partitions can be switched by pressing and holding buttons 1-4.
3. EWKB4, EKB3 and EKB3W LED indication can be assigned to individual zones. Adds possibility to assign zones which number is higher than 12.
4. Added automatic procedure to reboot ELAN3-ALARM module upon unsuccessful packet sent.
5. EWKB4 entry beep support included from keypad firmware v8.

#### **Functions changes**

1. Tamper name formation process changed. Each tamper name now consists of zone name plus common tamper name. Common tamper name is text which is added in field "common tamper name" through Eldes Utility.
2. RF communication algorithm improved. Communication to wireless devices will be restored faster after restart, if one of wireless devices is not responding.
3. If device exceeded Daily SMS limit, the restriction will be removed on the next day.
4. SMS message sending algorithm improved, shortens time of SMS message sending.

#### **Bugs solved**

1. Not switching from primary (GPRS) to backup (Ethernet) IP communication channel if SIM card physically removed.



2. If system armed within 3 minutes after disconnecting panel from Eldes Utility, EWP3 PIR sensor will not detect motion.
3. EWKB5 malfunction , constantly spinning circle on screen.
4. No synchronization with Eldes cloud after configuring from keyboard.
5. EWS3 doesn't stop sounding after tamper of EWF1 violation and restoring.
6. After removing batteries from EWP3 panel would loose communication to other wireless devices.
7. When remote connection is performed via ELAN3-ALARM, fixed issue causing loss of remote connection after writing settings to device.

**Version No. v01.01.03**

**2017-10-18**

**Issued by: Marius Venclova**

**New Functions**

**Functions changes**

**Bugs solved**

1. EKB3 keypad will malfunction if on board Delay type of zone is violated on system start up.

**Version No. v01.01.02**

**2017-10-02**

**Issued by: Marius Venclova**

**New Functions**

**Functions changes**

1. Time synchronization at startup improved for time synchronization over GSM Network.
2. FOTA process improved.

**Bugs solved**

1. Issue controlling EPGM8 outputs via Keypad/Cloud services.
2. Only partial SMS text is forwarded by the panel in some cases.
3. System Arming and Disarming over SMS command confirmation is not delivered by SMS if 'System Armed' and 'System Disarmed' SMS notification is disabled for User.
4. CID event 354 'Communication to MS failed' is disabled by default.
5. Unable to communicate to Monitoring Station over Cortex SMS protocol.
6. Panel would restart after accessing PGM Output Menu over EKB2 keypad in some cases.
7. False alarm about lost wireless device can be generated instantly after uploading new panel with preconfigured configuration file with wireless devices.
8. EWKB5 Event log shows zone Alarm when zone/tamper is restored.



**Version No. v1.01.01**

**2017-07-04**

**Issued by: Marius Venclova**

**New Functions**

**Functions changes**

**Bugs solved**

1. After firmware update, zone and PGM output names are restored to factory default names – fixed.

**Version No. v1.01.00**

**2017-06-28**

**Issued by: Marius Venclova**

**New Functions**

1. Wireless device 'Low Battery Fault' will be reported under 'Faults' menu on EKB2. By highlighting 'Low Battery Fault' on EKB2 and pressing button OK, list of the zone names and number of wireless devices with low battery will be displayed.
2. Violated zone with FORCE attribute notification is added to EKB2 home screen while system is Disarmed. Symbol 'V!' is displayed next to each partition status if FORCE zone is violated but other type of zones are not violated at the same time.
3. Wireless alarm suppression settings added. If wireless device signal is lost and not restored during Wireless device lost timeout, following notification options are available:
  - a) Disabled.
    - All notifications disabled
  - b) Trouble only.
    - Keypad Fault
    - SMS notification
    - Push notification (App)
  - c) Audible alarm and trouble.
    - Activate siren
    - Activate keypad buzzer
    - Call
    - Keypad Fault
    - SMS notification
    - Push notification (App)
  - d) Custom.
4. 'Autoforce' feature added. This option will apply force attribute to zone(s) which are violated by Wireless Device Lost event. (I.e. Alarm system has lost communication with wireless device for longer period of time than Wireless Device Lost Timeout. In this case zones violated by this event will be autoforced and system will be available for Arming action). If this option is not selected, alarm system will treat Wireless Device Lost event as tamper violation and will not allow to arm system.
5. Support added for EWKB5.
6. System/events log on Eldes Utility is available to be translated to different languages.

**Functions changes**

1. Wireless channel by default changed from 1 to 4
2. CMS CID codes 354 and 360 disabled by default.
3. Firmware over the air (FOTA) process improved.



#### **Bugs solved**

1. Continues or intermittent system restart by itself after enabling Cloud services – fixed.
2. 'PART X can't ARM. Wireless device lost' SMS notification is delivered when system is attempted to be Armed while On-Board wired zone is violated – fixed.
3. 'Unable to ARM' SMS notification is not sent arming system over Zone, Keyfob or iButton even if system Arming fails – fixed.
4. EKB3 will not stop beeping after alarm stops if used with different Partitions – fixed.
5. Partition or PGM Output status displayed wrong on Smartphone App or Cloud services if the same Partition or PGM Output is used for Automation (schedules) – fixed.

**Version No. v01.00.18**

**2017-05-11**

**Issued by: Marius Venclova**

#### **New Functions**

1. ELAN3-ALARM module support added.

#### **Functions changes**

#### **Bugs solved**

1. Russian language spelling error on EKB2 – fixed.

**Version No. v01.00.17**

**2017-04-12**

**Issued by: Marius Venclova**

#### **New Functions**

1. Following Firmware languages added:

Finnish

German

Norwegian

Danish

#### **Functions changes**

#### **Bugs solved**

**Version No. v01.00.17**

**2017-04-04**

**Issued by: Marius Venclova**

#### **New Functions**

1. Product released.

#### **Functions changes**

#### **Bugs solved**

