

EGR100 V3.0

Features and updates

# EGR100 is not only a converter

- Addition values 4Free.
  - Arm premises for customer;
  - Track Your inventory;
  - Administrate SIM Cards easily;
  - Missing newest features?  
Update device FW remotely;
  - Create additional user or change settings? No need to visit premises. Just connect remotely;



# Content

- Features and changes overview;
- Settings explanation;
- EGR100 Viewer;
- Upgrade procedure;
- Viewer - work with EGR100 from several different computers;
- EGR100 recommended update procedure;
  
- New features are available for FW or newer editions:
  - EGR100 – V03.00.00 available 2018.09.24
  - ESIM384 - V1.04.00 available 2018.09.24
  - ET083 - V1.06.00 available 2018.09.24
  - Pitbull PRO - V1.05.00 available 2018.11.19

# Overview

The screenshot shows the EGR 100 interface with the following components and annotations:

- Sort by column:** A callout box pointing to the 'First Msg Time' column header in the table.
- Pending to MS:** A callout box pointing to the 'Pending to MS' field in the top right status area, which shows a value of 0.
- List filter:** A callout box pointing to the search filter input field at the bottom left.
- Device Type:** A callout box pointing to the 'DeviceType' column in the table, specifically to the value '(15) ET083 2G'.
- Long SIM numbers:** A callout box pointing to the 'CCID1' and 'CCID2' columns in the table, specifically to the long alphanumeric strings.

Unit ID	Account	IP:Port	Last Test Time	No Test Time	First Msg Time	Imei	Firmware Ver	GSM	Comm Tr. 1	Comm Tr. 2	Comm Tr. 3	Cmd	DeviceType	CCID1	CCID2
0004	0040	192.168.3.225	:1025	2018.09.07 08:03:36	Od. 00:03:36	2018.09.06 08:45:50	353386065698819	1.4.2	15	60	240		(16) ESIM384	<b>89370010100018773314</b>	00000000000000000000
0010	0100	84.15.180.227	:65509	2018.09.07 08:04:18	Od. 00:02:53	2018.09.06 08:53:39	353386065710747	1.4.2	15	60	240		(16) ESIM384	<b>8937002180200763020</b>	00000000000000000000
0020	0002	188.69.223.216	:29074	2018.09.07 08:04:40	Od. 00:02:32	2018.09.06 08:07:24	353386065697704	1.4.2	15	60	240		(16) ESIM384	<b>89370010100015963439</b>	00000000000000000000
0030	0300	84.15.189.226	:5990	2018.09.07 08:03:55	Od. 00:03:17	2018.09.06 08:48:00	353386065710424	1.4.2	15	60	240		(16) ESIM384	<b>8937002180200982307</b>	00000000000000000000
0060	0006	84.15.191.22	:31521	2018.09.07 08:02:21	Od. 00:04:51	2018.09.06 08:11:47	353386068499702	1.4.2	15	60	240		(16) ESIM384	<b>8937002180200606708</b>	00000000000000000000
0070	0007	84.15.187.183	:11904	2018.09.07 08:02:59	Od. 00:04:13	2018.09.06 08:47:30	353386069168587	1.4.2	15	60	240		(16) ESIM384	<b>8937002180200763004</b>	00000000000000000000
0080	0008	90.131.41.208	:1225	2018.09.07 08:02:59	Od. 00:04:13	2018.09.06 08:09:05	353386065710432	1.4.2	15	60	240		(16) ESIM384	<b>89370038009000402188</b>	00000000000000000000
1328	1328	188.69.210.146	:31716	2018.09.07 08:06:54	Od. 00:00:18	2018.09.06 08:08:25			15	60	240				
6669	0008	188.69.195.249	:4096	2018.09.07 08:04:07	Od. 00:03:04	2018.09.06 08:45:43	353386065711901	1.4.2	15	60	240		(16) ESIM384	<b>89370010100021311888</b>	00000000000000000000
7777	1234	188.69.211.97	:26526	2018.09.06 11:30:52	Od. 20:36:20	2018.09.06 11:22:45	353386068417704	1.6.2	15	60	240		(15) ET083 2G	<b>89370010100021197766</b>	00000000000000000000
8877	8877	84.15.184.56	:6162	2018.09.07 08:06:55	Od. 00:00:16	2018.09.06 08:11:20			15	60	240				

- CCID1 and CCID2 – Long SIM card number, active marked in **BOLD**;
- Device Type: Pitbull PRO, ET083, ESIM384;
- Column sort;
- “Pending to MS” – allows to monitor number of messages that pending to send to Monitoring Software;
- EGR100 connection to MS status (connected/not connected);

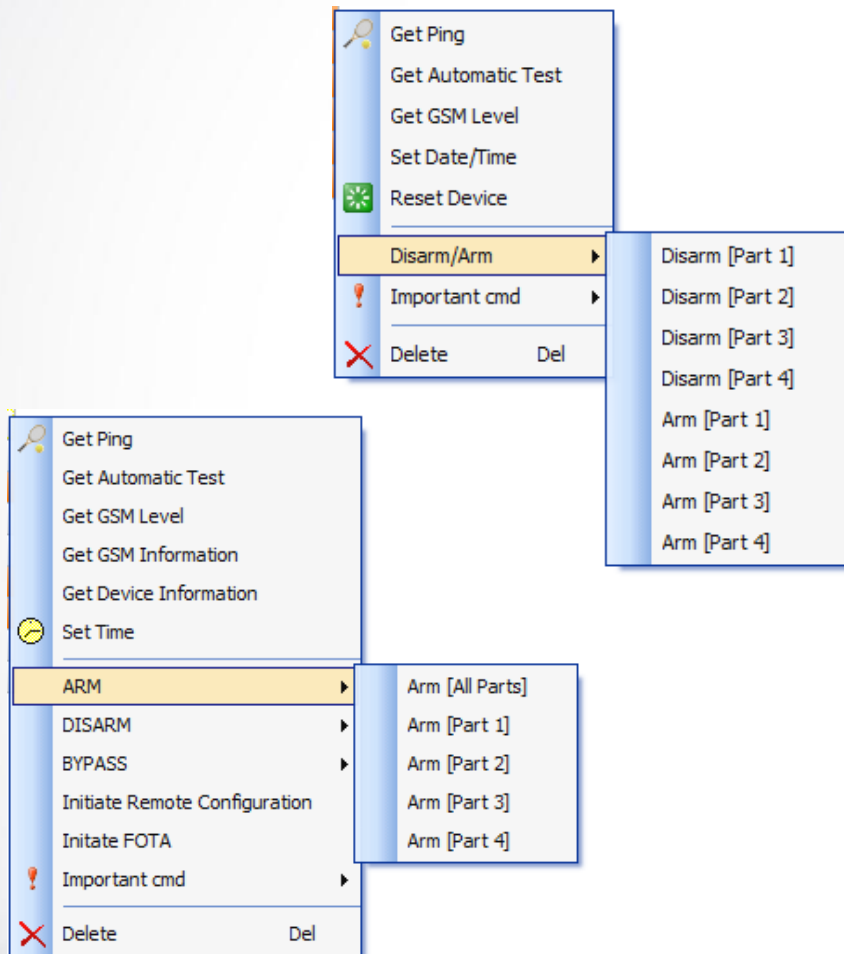
# Overview

The screenshot shows the Eldes EGR100 (v3.0.0) software interface. The main window displays a table of device data and call logs. The table has columns for Unit ID, Account, IP:Port, Last Test Time, No Test Time, First Msg Time, Imei, FirmWare Ver, GSM, Comm Tr. 1, and Comm Tr. 2. The data is filtered to show only 'TCP' and 'UDP' messages. A callout box labeled 'Multi select' points to a group of rows. Another callout box labeled 'Copy' points to a cell in the 'Account' column. A third callout box labeled 'New tab' points to the 'Command' tab in the bottom navigation bar. A fourth callout box labeled 'Export into CSV' points to the 'export' button in the bottom right corner.

Unit ID	Account	IP:Port	Last Test Time	No Test Time	First Msg Time	Imei	FirmWare Ver	GSM	Comm Tr. 1	Comm Tr. 2
0010	TCP 84.15.189.151	:10452	2018.09.24 10:05:13	Od. 00:02:47	2018.09.11 15:36:58	353386065710747	1.5.6	[GSM]	15	60
0020	TCP 188.69.199.251	:25005	2018.09.24 08:10:46	Od. 01:57:14	2018.09.11 15:36:53	353386065697704	1.5.6	[GSM]	15	60
0030	TCP 84.15.185.10	:31482	2018.09.24 10:04:32	Od. 00:03:28	2018.09.11 15:36:50		1.5.6	[GSM]	15	60
0050	UDP 188.69.193.136	:4096	2018.09.24 10:07:10	Od. 00:00:49	2018.09.11 15:36:43		1.5.6	[GSM]	15	60
0060	TCP 84.15.188.31	:9766	2018.09.19 15:26:21	4d. 18:41:39	2018.09.11 15:36:52		0.0.0	[GSM]	15	60
0070	TCP 84.15.186.130	:27881	2018.09.24 08:13:51	Od. 01:54:09	2018.09.11 15:34:02	353386069168587	1.5.6	[GSM]	15	60
1328	TCP 188.69.213.73	:9522	2018.09.24 10:05:01	Od. 00:02:59	2018.09.11 15:35:24		0.0.0	[GSM]	15	60
1500	UDP 188.69.192.203	:4096	2018.09.12 08:37:42	12d. 01:30:18	2018.09.11 15:34:14	358636084434447	1.5.1	[GSM]	15	60
1550	TCP 188.69.195.1	:4096	2018.09.19 11:38:13	4d. 22:29:47	2018.09.19 10:22:39	358636084434447	1.5.5	[GSM]	15	60
6669	UDP 188.69.215.1	:4096	2018.09.24 09:53:02	Od. 00:14:58	2018.09.11 15:36:57	353386065711901	1.5.5	[GSM]	15	60
8877	TCP 84.15.186.173				2018.09.11 15:37:29		0.0.0	[GSM]	15	60

- Multi Select with Shift and CTRL;
- Multi commands:
  - send commands to several devices at once;
  - If device does not support selected command, it will be skipped. For example Pitbull PRO does not have Partition 4, so it will be skipped;
- Export list of devices into csv;
- Copy - just double click any cell;
- Command Log - only important commands and response are shown;

# V3 context menu changes



- Updated:
  - **Arm** – now you can Arm all partitions at once;
  - **Disarm** – now you can Disarm all partitions at once;
  - **Bypass** – now you can Bypass all partitions at once;
- New:
  - **Get GSM Information** – (gets CCID1 & CCID2, this can take some time, due device modem switch);
  - **Get Device Information** – (gets device type);
  - **Initiate FOTA** – (no need to send FOTA via SMS);
  - **Initiate Remote Configuration** – (no need to send STCONFIG via SMS);
- Important CMD:
  - **Change Unit ID** (EGR100 uses it as device unique ID, avoid duplicates);
  - **Change Account ID** (new in EGR100);
  - RESET moved into “Important cmd” and + renamed into “**Restart Device**”;

# Settings

- Sur-gard or MLR11 via TCP/IP:
  - Either IP address with port;
  - Either COM (also fixed virtual COM issues);
- Viewer listen port - (explained later in presentation)
- Encryption Key – use for encrypted communication between ESIM384 or Pitbull PRO

The screenshot shows the 'Settings' tab of the EGR 100 software. The interface includes a header with 'EGR 100' and the 'eldes' logo. On the right, there are status indicators: 'App started: 2018-09-...', 'Receive Msg: <reserved>', and 'Important message'. The main area contains a table of settings and a list of checkboxes on the right.

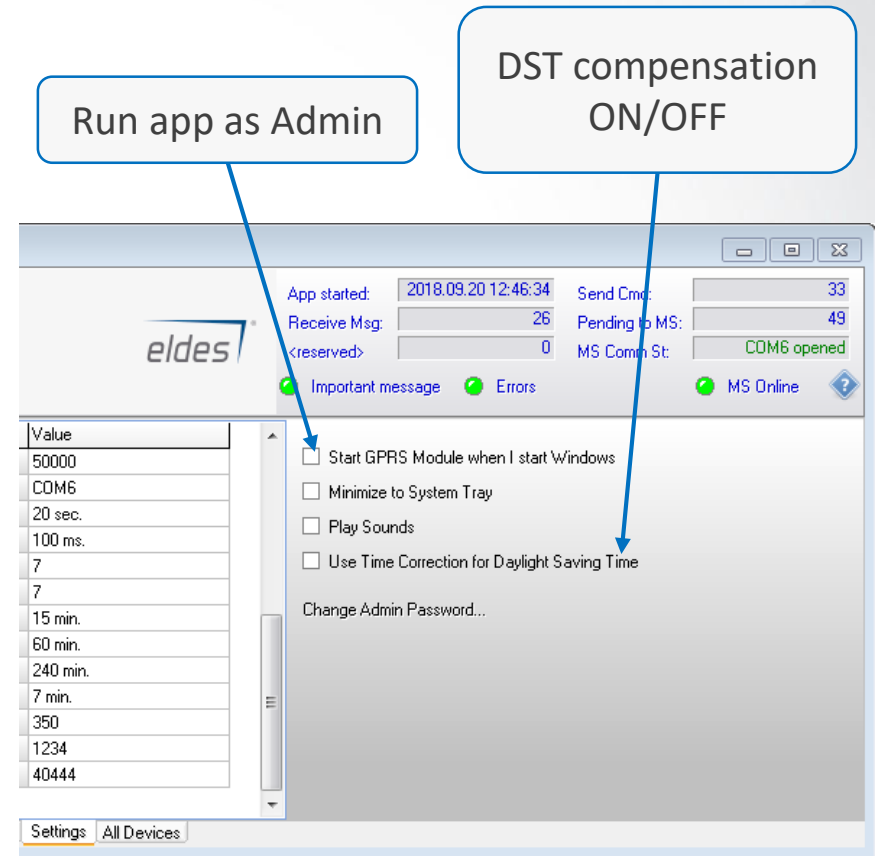
Key	Value
[IN] TCP/UDP Server Listen Port	50000
[OUT] MS Serial Port or MS TCP IP:Port	COM6
Ping to MS Interval	Msg send to Monitoring Software Serial Port
Msg to MS Interval	e.g. CNCA1, COM1, COM2, etc.
Receiver Number	or Msg send to Monitoring Software TCP IP:Port
Line Number	e.g. [192.168.1.200:20000]; [127.0.0.1:25333]
Comm Trouble 1	15 min.
Comm Trouble 2	60 min.
Comm Trouble 3	240 min.
Comm Trouble StartUp Delay	7 min.
Comm Trouble Event Code	350
Encryption Key	1234
Viewer Listen Port	40444

Annotations in the image include a blue box labeled 'IP of COM' pointing to the '[OUT] MS Serial Port or MS TCP IP:Port' field, and another blue box labeled 'Viewer port' pointing to the 'Viewer Listen Port' field.

On the right side of the settings table, there are two checkboxes: 'Start GPRS Module when...' and 'Minimize to System Tray...'. Below these are some partially visible text elements: 'ounds', 'ime Correction for', and 'Change Admin Password...'. At the bottom of the window, there are tabs for 'All Msg', 'Imp Msg', 'Errors', 'Command', 'Settings', and 'All Devices'.

# Settings

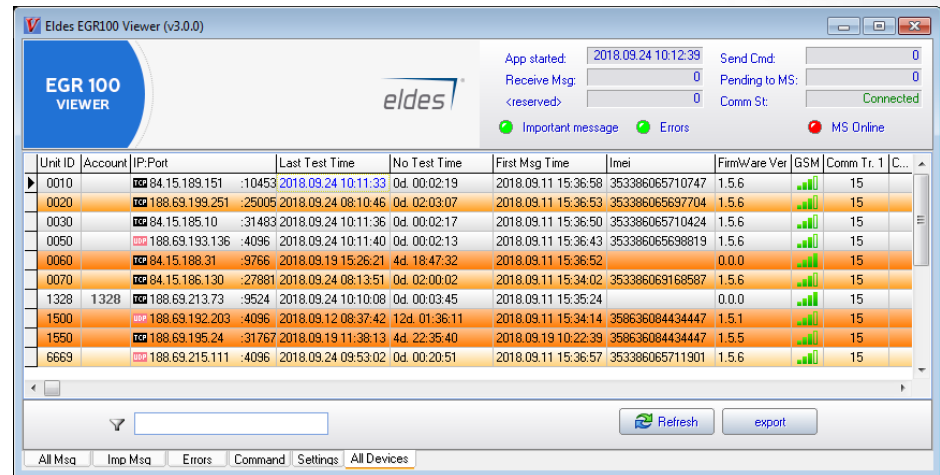
- EGR100 stand alone app (start with system)
  - Run application as Administrator;
- Summer and winter time change - EGR100 checks if system time change and then correct time for devices messages to avoid device lost messages.





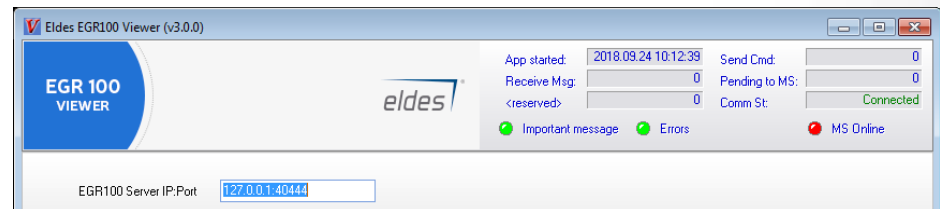
# EGR100 as Server and Viewer

- With viewer You can use all EGR100 functionality on several workplaces or even remotely;
- Enter “Viewer Listen Port” on EGR100 and enter same port on “Viewer” with IP address;
- After entering IP and port into Viewer, close and start Viewer again to save changes.



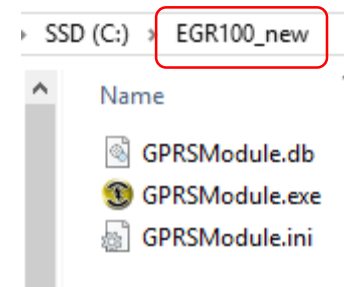
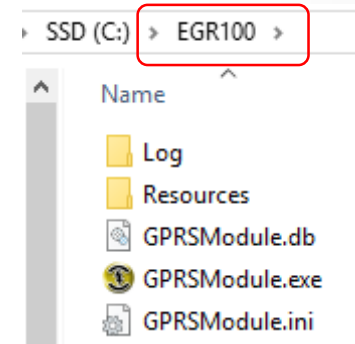
The screenshot shows the Eldes EGR100 Viewer (v3.0.0) interface. The top right corner displays the application status: App started: 2018.09.24 10:12:39, Send Cmd: 0, Receive Msg: 0, Pending to MS: 0, <reserved>: 0, Comm St: Connected, and MS Online. The main area contains a table with the following columns: Unit ID, Account, IP:Port, Last Test Time, No Test Time, First Msg Time, Imei, FirmWare Ver, GSM, Comm Tr. 1, and C... The table lists several units, including 0010, 0020, 0030, 0050, 0060, 0070, 1328, 1500, 1550, and 6669. Below the table, there is a search bar and buttons for Refresh and export. At the bottom, there are tabs for All Msg, Imp Msg, Errors, Command, Settings, and All Devices.

Unit ID	Account	IP:Port	Last Test Time	No Test Time	First Msg Time	Imei	FirmWare Ver	GSM	Comm Tr. 1	C...
0010	84.15.189.151	-10453	2018.09.24 10:11:33	Od. 00:02:19	2018.09.11 15:36:58	353386065710747	1.5.6	15		
0020	188.69.199.251	-25005	2018.09.24 08:10:46	Od. 02:03:07	2018.09.11 15:36:53	353386065697704	1.5.6	15		
0030	84.15.185.10	-31483	2018.09.24 10:11:36	Od. 00:02:17	2018.09.11 15:36:50	353386065710424	1.5.6	15		
0050	188.69.193.136	-4096	2018.09.24 10:11:40	Od. 00:02:13	2018.09.11 15:36:43	353386065698819	1.5.6	15		
0060	84.15.188.31	-9766	2018.09.19 15:26:21	4d. 18:47:32	2018.09.11 15:36:52	0.0.0	0.0.0	15		
0070	84.15.186.130	-27881	2018.09.24 08:13:51	Od. 02:00:02	2018.09.11 15:34:02	353386069168587	1.5.6	15		
1328	1328	188.69.213.73	-9524	2018.09.24 10:10:08	Od. 00:03:45	2018.09.11 15:35:24	0.0.0	15		
1500	188.69.192.203	-4096	2018.09.12 08:37:42	12d. 01:36:11	2018.09.11 15:34:14	358636084434447	1.5.1	15		
1550	188.69.195.24	-31767	2018.09.19 11:38:13	4d. 22:35:40	2018.09.19 10:22:39	358636084434447	1.5.5	15		
6669	188.69.215.111	-4096	2018.09.24 09:53:02	Od. 00:20:51	2018.09.11 15:36:57	353386065711901	1.5.6	15		



# How to upgrade EGR100 V02.xx.xx to V03.00.00

1. Close GPRModule.exe
2. Backup main EGR100 folder, it should consist of:
  - GPRModule.exe
  - GPRModule.db
  - GPRModule.ini
  - Folder - Resources
  - Folder – Log
3. Copy listed files from old EGR100 into new EGR100\_New folder
  - GPRModule.db
  - GPRModule.ini
4. New EGR100 folder should consist of:
  - GPRModule.db
  - GPRModule.ini
  - GPRModule\_V03.00.00.exe
5. Open GPRModule\_V03.00.00.exe
6. All settings and devices should be visible in GPRModule\_V03.00.00.exe



Thank You