



Cellocator September 2007 Newsletter

In this issue:

- @ Cellocator Compact equipped by Motorola G24 modem, is being released.
- @ Cellocator updated most of its tools.
- @ An innovative periodic transmission management algorithm is being released.
- @ Issue of low GPS reception level in a vehicles with solar windshields.
- @ Share your experience with us.



Dear partners & clients, welcome to Cellocator's September newsletter:

New release of Cellocator Compact with Motorola G24 modem

Cellocator has improved its flexibility by integrating the newest Motorola G24 modem. You now have the flexibility to use the modem of your choice and avoid extra certification expenses in various regions around the world.



Updated Cellocator tools:

- Cellocator programmer now supports the Motorola G24 modem.
- Geo-Fence generation tool: latitude of central point of the fence is taken into consideration in calculating Geo-Fence period.
- The AT commands form have been extended to support easy programming of the SIM inside the unit with a list of preferred and forbidden network operators.
 - o Note: There are some reports that the network overwrites the pre-programmed lists on the SIM card.
- The OTA Programmer (part of Commap and Communication Center) was updated respectively.
- OTA and Serial upgrade tools now support a new firmware file type: .stk. The .stk file is a container for two or more .csf files, designed for different hardware types. The software will automatically fit the correct .csf firmware file for the connected hardware.
- Unit Flasher software allows selecting the ID of the connected unit from the list. The list of the units can be encoded into the .cff firmware file itself or one that was created by the user. Your main benefit is substantial improvement in maintenance time.
 - o Note: The .cff file is not "offering" hardware verification. A firmware file compiled for different hardware will cause a unit failure.
- PL comparison tool allows copying memory content from one .pl file (configuration file) to another. This useful feature will help you to easily migrate to newest firmware version.
 - o The content of the .pl file prepared for older version can easily be copied to a newer .pl file.

You can download the update from Cellocator technical member club zone.

An innovative Periodic Transmission Management algorithm is being implemented

From firmware 26 and up, the unit can automatically extend the Time Events period (decrease number of events) in Roam network, in non-GSM covered areas, and/or on high speeds.

The same is true for Distance events. See more in fw26 release document.



Solar windshields interfere with GPS reception

We received report that in some new vehicles (mostly French manufactured) the solar windshields dramatically interfere with the GPS reception level, which causes frequent loss of GPS navigation. You can monitor the GPS Reception level with multiple software tools which allow you to decode an NMEA stream from Cellocator unit's COM port.

We recommend the following remedies:

- 1) Order a weather proof sealed GPS and install it in the vehicle's front bumper or grill.
- 2) Install the GPS at a reflective free zone on the windshield, usually identifiable as rectangle with different color than the rest of the windshield. This zone is designed to serve Tolling Readers. You should normally find it behind the rear view mirror, and in some cases 5cm in the perimeter of the windshield, in some cases, in the bottom left or bottom right side of the windshield.

Share your experience with other Cellocator partners - Networking for cooperation

Please send us your case studies in a presentation and PDF formats.

Your case studies will be published in the Support section on our web site for all Cellocator partners to share and learn.



Please contact Igor@cellocator.com for software evaluation or any question or comment regarding Cellocator's technical technology, and Avigail@cellocator.com for issues about newsletters, seminars, and Cellocator website.