Cellocator Cello-IQ Release Notes

Proprietary and Confidential

Version 2.1

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Cellocator Division
Pointer Telocation Ltd.

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1   Introduction

The Cello-IQ device is a driver safety and eco driving application, aligned with Telematics market evolution trends and TSP requirements to improve fleet safety and reduce fleet operation costs.

The Cello-IQ device, which is based on the legacy Cello family of products, is one of very few systems on the market that provides a fleet safety and ECO driving solution, while being simultaneously ready for integration with any TSP's SW platform with minimal integration and development effort.

Cello-IQ was developed by Cellocator based on theoretical research and extensive field tests, with references to common knowledge in the industry. The Cello-IQ processes and interprets vehicle dynamics and vehicle operation patterns into safety and ECO scores for a driver, reflecting the driver's relative level of risk, fuel consumption and emission footprint.

Further explanation and description can be found in *Cello-IQ Product overview.*

A full list of related documents can be found in the Documentation section.

The Cello-IQ is presented with FW version 32c. Differences from the beta version FW32a and upgrade instructions from FW32a to FW32c are described in FW32c Release Notes document.

2 Content

The Cello-IQ release includes the components listed in the sections below.

2.1 Hardware

CT7700225-000 Cellocator Cello-IQ 50

CT7700225-000 Cellocator Cello-IQ 40

2.2 Firmware

♦ F0454_PCelloHW31_Telit3-Auto_STM32F103RDT6_S8192_32c_CelloIQ50

♦ F0455_PCelloHW31_Telit3-Auto_STM32F103RDT6_S8192_32c_CelloIQ40

♦ DFD_RC8595

♦ DFD_voice_files.rar (version 8997)

2.3 Supported Languages

The DFD supports the following languages:

- ◆ English
- ◆ Spanish
- ◆ French
- ◆ Russian
- ◆ Hebrew
- ◆ Morocco Arabic

2.4 PL File

♦ hw_31_fw_32c_Cello-IQ40_V809.pl

♦ hw_31_fw_32c_Cello-IQ50_V809.pl

2.5 Accessories

2.5.1 *Harnesses*

711-00281 Cello-IQ Full Harness

711-00299 Cello-IQ 17 Wires Colored Harness

2.5.2 *Driver Feed-back Display (DFD)*

715-50000 DFD

2.6   Evaluation kit

K073-005 Cello-IQ Evaluation Kit

K073-009 Cello-IQ Evaluation Upgrade Kit

2.7   Software Utilities

The following SW utilities are available for the Cello-IQ:

♦ Evaluation suite: Evaluation suite setup x64 ver 1_0_10.msi (64 bit)

♦ Evaluation suite: Evaluation suite setup ver 1_0_10.msi (32 bits)

♦ Integration package: Integration Package V2.1 [Full Package].rar

2.8   Documentation

♦ Cello-IQ Release Notes (this document)	Version: 2.1
♦ FW32c for Cello-IQ Release Notes	Version: 1.0
♦ Cello-IQ Product overview	Version: 2.4
♦ Cello family Hardware Installation Guide	Version: 3.0
♦ Cello-IQ Evaluation Manual	Version: 1.0
♦ Cello-IQ Integration Manual	Version: 1.0
♦ Programming Manual Cellocator Cello	Version: 31p
♦ CSA Programming manual	Version: 2.0.0.4
♦ Cellocator Wireless Communication Protocol	Version: 4.0.0.8
♦ Serial interfaces specifications	Version: 6.0.0.4
♦ Cellocator Integration Package Manual	Version: 2.1

3   Known Issues

The following table summarizes the known issues which have been encountered during the applications and system tests:

#	Description	Comments/Work around
	DFD feedback for off-road events does not support the three layer feedback that is available for other maneuver types.	Will be included in next release
	VIN is not populated in crash attributes.	
	If the FTP upload of a 'trip end' event fails, and a new trip starts before the attempted re-upload succeeds, the next FTP upload 'trip end' event will include both events.	No effect on unit's performance