

Cellocator Handsfree Release Notes



Cellocator Division
Pointer Telocation Ltd.

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POINTER



Cellocator™ Handsfree Release Notes



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Cellocator™ Handsfree Product Overview



1 Introduction

1.1 Overview

The 712-20032 Cellocator Handsfree Kit provides the hardware components which enable the voice capabilities and features of the Cello GNSS family units. The Kit is comprised of an HF module, speaker and microphone.

The 712-20032 Kit replaces the 712-20016 Kit and introduces several improvements over the replaced Kit, including the following:

- ◆ One connector (compared to three connectors and the power wire in previous model) matched to the Cello harness for easier installation.
- ◆ 10W speaker compared to 5W in the previous model.
- ◆ Voice circuit with optimal matching with the Cello modem and speaker which ensures significant improvements to voice volume and quality.
- ◆ Built-in noise filter (instead of an optional external noise filter) for improved immunity to vehicle noise.

For further information, please refer to the *Cellocator Handsfree Product Overview*.

1.2 Compatibility

The 712-20032 Cellocator Handsfree is supported by all variants of the Cello GNSS family using FW 33x or above. It is not backward compatible and is not supported by the Legacy Cello or other archive products.

Due to the change in its connector, the Handsfree module is supported only with the new 711-00337 Full Installation Harness and 711-00330 Vehicle Simulator Harness. All relevant evaluation kits now include the new Handsfree Kit and the 711- 00330 Vehicle Simulator Harness.

Due to the change in its connector, the 715-50300 Handsfree module is not backward compatible and cannot replace the previous GH0350000-0012 Handsfree module.

The new AR0268 Speaker features the same resistance and utilizes the same connector as the previous AR0188 Speaker and can be connected to the old Handsfree module. Note that the response curves of the two speakers are different and therefore the new speaker is not compatible with the old one. Customers should test the voice quality before replacing the AR0188 Speaker with the AR0268 Speaker.

2 Product Content

2.1 Handsfree Kit Components

The 712-20032 Cellocator Handsfree kit includes a Handsfree module, speaker and microphone. The items are listed in the table below.




Name/Part Number	Description	Picture
Speaker PN: AR0268	10W speaker, installed in the vehicle cabin and connected to the Handsfree module.	
Microphone PN: AR0189	Omni-directional microphone with -42 db sensitivity. Complete with 1.5 meter cable, it should be installed in the vehicle cabin and connected to the Handsfree module.	
Cellocator™ Handsfree module PN: 715-50300	The Handsfree module allows for full duplex voice communication; it supports the voice electronic module and is connected to the microphone, speaker and the Cello unit (via the Cello harness).	

Table 1: Cellocator Handsfree Kit Components

2.2 Technical Documentation

- ◆ Cellocator Handsfree Product Overview
- ◆ Cellocator Handsfree Release Notes – this document
- ◆ Cellocator Handsfree Declaration of Conformity

3 Known Issues

The following known issues have been encountered during applications and system tests.

- ◆ The Cello 2G generates a “click” at the end of a conversation. This issue will be resolved in the near future, when the next modem batch for the Cello will be utilized.
- ◆ In rare cases, the plastic enclosure of the Handsfree module covers the edge of the connector and prevents the harness from connecting properly. The issue will be fixed in the next release batch of the Handsfree enclosure. In order to solve this issue, gently push the connector down using a screwdriver, as shown below. The connector will subsequently adjust its position, allowing proper connection with the harness Handsfree connector. When connecting, verify that the harness connector is correctly inserted to ensure a mechanical lock.

