Smart2

COMPATIBILITY

Smart Tachograph
(Generation 2 version 2)
Compatibility

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Document Change Record

Revision	Date	Owner	Details
1.0	13th Jan 2023	James Scott-Evans	Initial Draft
1.1	28th Jun 2023	James Scott-Evans	All compatible firmware released

Table of Contents

1. Introduction

The Digital Tachograph and the Smart Tachograph are recorders of the professional drivers' activities (rest and driving hours). They provide trustworthy information to EU enforcers controlling compliance with Social Regulation (EC) No 561/2006.

They were introduced to:

- Increase road safety, by controlling the activity of the drivers (limiting daily driving hours)
- Ensure minimum working conditions standards for professional drivers
- Guarantee fair competition between EU transport companies

In order to fulfil these objectives, the digital tachograph requires a motion sensor paired with it and smartcards which are used to control secure access to the device and its data for drivers, law enforcers, companies and workshops.

Smart tachographs are the new generation of on-board mandatory digital recorders to enforce the EU legislation on professional drivers driving and resting times (social regulation). The new features make full use of advanced digital technologies such as satellite positioning and short-range communication for road enforcers. It will allow automatic recording of start and final location of journeys and will also enable remote access to some tachograph data via wireless data transmission to control authorities.

The Smart Tachograph version 2 (Smart 2) adds supports for the control and enforcement of additional legislation in the area of road transport: "Cabotage" (Regulation (EC) 1072/2009) and "Posting of workers" (Directive 96/71/EC amended in 2018).
The Smart 2 tachograph will implement a basic Geographic Information System of national borders in order to register the position and time when a border crossing between two different countries takes place. In addition, the Tachograph will improve robustness against GNSS jamming and spoofing attacks by using Open Service Navigation Message Authentication (OS-NMA) from Galileo. Other new relevant features to strengthen security are the secure software upgrade mechanism and the ITS interface that become both mandatory.

The Smart 2 tachograph will be mandatory for newly registered vehicles as of 21 August 2023 and for all vehicles involved in international transport as of 21 August 2025.

2. References

2.1. Annex 1C

The legislation can be found here:
https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1468399756621&uri=CELEX:32016R0799

The amendment to this legislation can be found here (publication 28/02/2018):
https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1524124831090&uri=CELEX:32018R0502

Smart Tachograph version 2 amendment (publication 16/07/2021):
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R1228&qid=1628667708418

3. Compatibility table

3.1. Software

Software	Version required	Driver Card	Workshop Card	Control Card	Company Card	Vehicle Unit	Notes
digiConnect	5.40	✔	✔	✔	✔	✔	If able to connect to internet new version will be offered automatically. Otherwise, download from www.tachosys.com
Tachograph File Viewer	3.20	✔	✔	✔	✔	✔	If able to connect to internet new version will be offered automatically. Otherwise, download from www.tachosys.com
digiCentral Authenticate	1.28				✔		Already compatible
digiCentral Archive Sync	1.30	✔	✔			✔	If able to connect to internet new version will be offered automatically. Otherwise, download from www.tachosys.com

3.2. Devices

Device	Serial number	Version required	Driver Card	Workshop Card	Company Card	Vehicle Unit	Notes
digifob	15xx xxxx		✔				Already compatible
digicard	11xx xxxx		✔		✔		Already compatible
digicard / digicard AUT	23xx xxxx		✔	✔	✔		Already compatible
digicard HOTEL					✔		Already compatible
digifobpro (1st Gen)	4xx xxxx	✘					Not Gen 2 compatible
digifobpro (2nd Gen)	20xx xxxx	[1]2.07	✔	✔	✔	✔	Requires firmware upgrade
digivu (up to V3)	5xx xxxx	✘					Not Gen 2 compatible
digivu (V4 and above)	19xx xxxx	[14]2.10	✔			✔	Requires firmware upgrade
digipostpro (1st Gen)	6xx xxxx	[2]3.03	✔	✔		✔ [3]	Requires firmware upgrade
digipostpro (2nd Gen)	26xx xxxx	[1 2]1.12	✔	✔		✔ [3]	Requires firmware upgrade
digiDL	8xx xxxx	[1 2]2.07	✔			✔	Requires firmware upgrade
digiDL-E / digiDL-EX	18xx xxxx	[1 2]2.20	✔			✔	Requires firmware upgrade
digiDL-B/BT/S	31xx xxxx	[1 2]1.35	✔			✔	Requires firmware upgrade
digiDL-H / digiDL-HX	40xx xxxx	[1 2]1.07	✔			✔	Requires firmware upgrade
digiDL-S	44xx xxxx	[1 2]1.03	✔			✔	Requires firmware upgrade
digiBLU	12xx xxxx		✔	✔		✔	Get latest version of digiDownload and digiDriver from Google Play.

[1]digiConnect 5.40 will automatically offer firmware upgrades to these devices.

[2]digiCentral can be used to upgrade firmware.

[3]Vehicle Unit files that were downloaded with a Smart 2 compatible digivu.

[4]A digipostpro (2nd Gen) 26xx xxxx running firmware 1.12 will offer firmware upgrades to these devices.

3.3. Server solutions

Software	Version required	Driver Card	Workshop Card	Company Card	Vehicle Unit	Notes
digiCentral Website with SQL Server	1.38	✔	✔	✔	✔	
digiCentral XML	3.20	✔	✔	✔	✔	