

PRODUCT CERTIFICATION PROCESS

NEW HMI2.0 USER MANUAL

Product: NEW HMI2.0

New HMI 2.0

Document Revision History

Rel.	Date	Author	Description
01	December 2023		First Emission

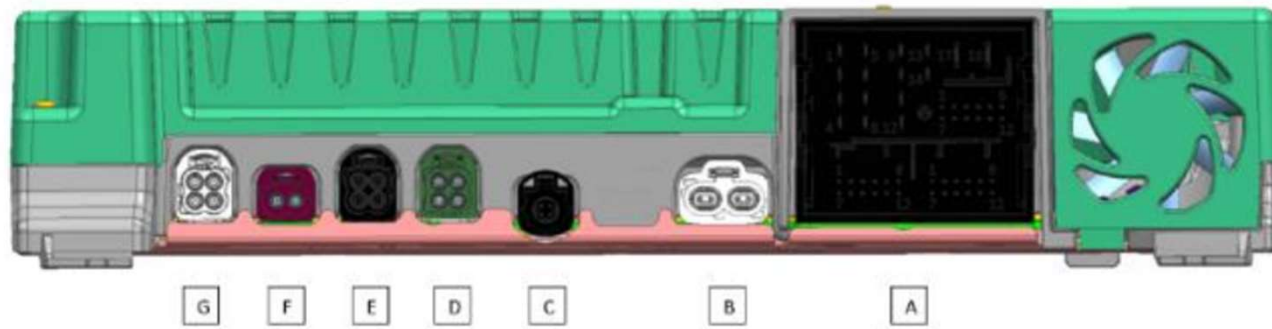
Introduction

This document will describe the Daimler Truck UIP HMI Evo product, its functionalities and services in the truck context. This product is a Head Unit for Daimler Trucks, with the model name New HMI 2.0.

This unit receives analogue radio signal (AM, FM), digital radio signal (DAB), Satellite Digital AudioRadio Services (SDARS) and HD Radio. It also supports CarPlay/Android Auto functions.

It handles up to two USB media ports, supports Bluetooth 5.1 basic specification (BR/EDRy LE) and WiFi 6 capabilities (802.11 a/b/g/n/ac/ax = WIFI6 with 20/40/80 MHz bandwidth, 2.4 GHz, 5GHz with SISO and MIMO (2x2) capabilities).

Product Overview – External Connection



- **A** – Quadlock connector
- **B** – Dual H-MDT – Ethernet
- **C** – HSD USB
- **D** – Quad-HFM – Video #1
- **E** – Quad-HFM – Video #2
- **F** – Dual-HFM - BT/Wi-Fi
- **G** – Quad-HFM - Tuner connector

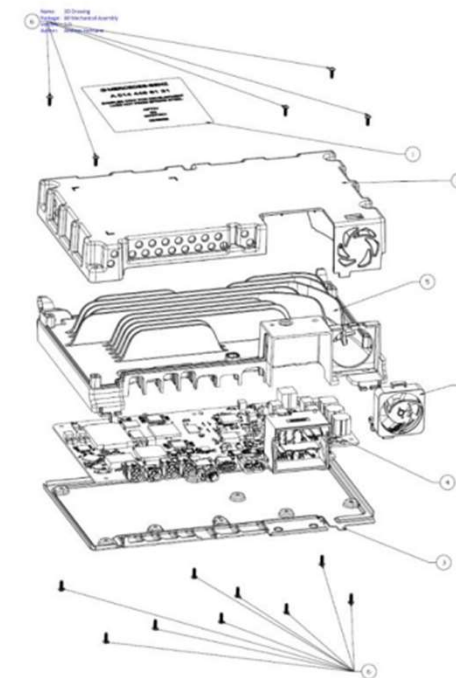
Technical Information

TECHNICAL FEATURES	
PARAMETER	VALUE
Nominal Supply Voltage [V]	12
Maximum Current Drawn [A]	13.85
Ambient Temperature [°C]	23
Operating Range [°C]	-40 to +80
Overall size B x H x T [mm]	51x270x163
Weight [g]	1550

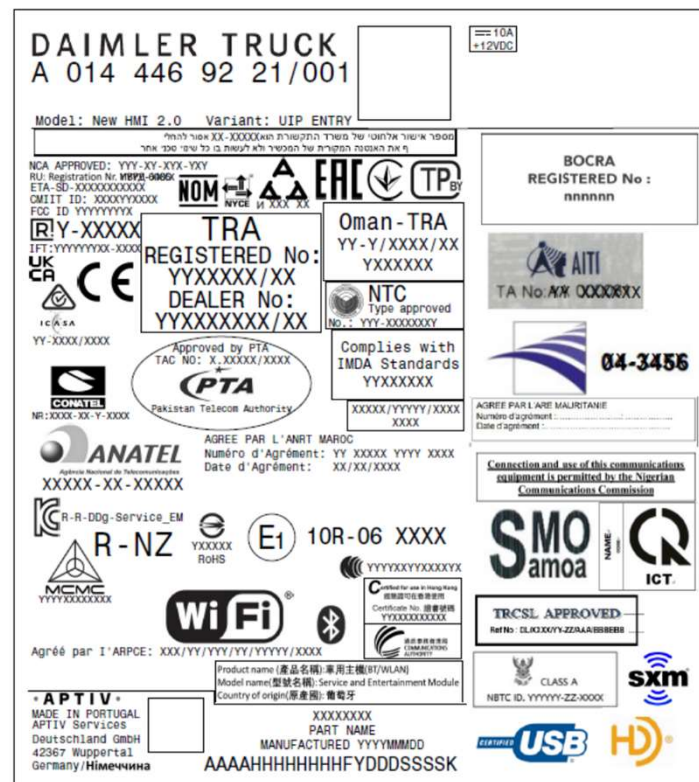
New HMI2.0 unit is mounted behind the dashboard.
The unit cannot be reached or touched by the end user – no knobs or buttons available.



Mechanical Drawing



Label Informations



Regulatory Informations

Simplified EU declaration of conformity

Hereby, Aptiv Services Deutschland GmbH, 42367 Wuppertal declares that New HMI 2.0 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU (RED). The original delegation of conformity can be accessed at the following link www.aptiv.com/automotive-homologation

Regulatory Informations

Iveco IHP operates:

2412-2462 MHz: 19 dBm (max. power)

2402-2480 MHz: 19 dBm (max. power)

5150-5240 MHz: 19 dBm (max. power)

5745-5825 MHz: 19 dBm (max. power)

Inside use restriction

For the operation of 5150 to 5250 MHz, only be used in enclosed spaced environment only (no fixed installation is allowed)

		AT	BE	BG	CH	CY	CZ	DE
		DK	EE	EL	ES	FI	FR	HR
		HU	IE	IS	IT	LI	LT	LU
		LV	MT	NL	NO	PL	PT	RO
		SE	SI	SK	TR	UK(NI)		

Regulatory Informations FCC

FCC § 15.19 Labelling requirements

This device complies with part 15 of the FCC Rules and ISED license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC § 15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Requirements

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Regulatory Information ISED

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Requirements

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Ce transmetteur ne doit pas être placé au même endroit ou utilisé simultanément avec un autre transmetteur ou antenne.