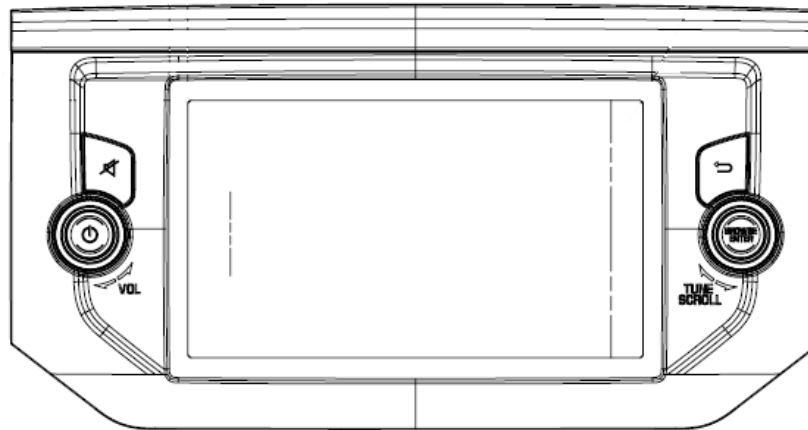


• APTIV •

NIS

Installation and Operation Manual



Contents

Branding.....	3	Class B device notice	5
Intended Purpose.....	3	Supplier's Declaration of Conformity..... 47 CFR § 2.1077	
Model	3	Compliance Information.....	6
Technical Specifications.....	3	Regulatory Information Canada	6
Power operation	3	RF exposure safety	6
Radio Specifications	3	CAN ICES-003 (B)	6
Installation	3	Standard IEC 60950-1 Clause 2.5 notices.....	6
Radio Equipment Directive Declaration of Conformity	3	NIS Block Diagram.....	8
Basic Operation.....	4		
Power On/Off	4		
Volume	4		
Mute	4		
Return	4		
Browse/Enter	4		
Tune/Scroll	4		
Radio	4		
Media	4		
Navigation (if equipped)	4		
Apps Menu	4		
Backup Camera	5		
Vehicle	5		
Settings	5		
Compass	5		
Audio Settings	5		
Regulatory Information USA	5		
RF exposure safety	5		

Branding

This user manual is concerning the **CNHi IVECO** NIS radio device made by Aptiv.

Intended Purpose

The NIS is a radio that is installed in medium and heavy duty vehicles. There are two hardware variants designated as Nav and Non-Nav. The Nav variant h/w increases memory capacity (2 GB RAM, 32 GB NAND) to support navigation. The Non-Nav variant has less memory (1 GB RAM, 8 GB NAND).

NIS has a Bluetooth transceiver used for hands-free operation of a mobile device, an AM/FM radio receiver, a DAB dual-tuner radio receiver, and a GNSS receiver.

Model

All CNHi NIS radio models are as follows:

- Daily Non-NAV
- Daily NAV Europe
- Daily NAV Europe Extra
- Stralis AS Non-NAV
- Stralis AS NAV Europe
- Stralis AS NAV Europe Extra
- Stralis AT/AD Non-NAV
- Stralis AT/AD NAV Europe
- Stralis AT/AD NAV Europe Extra

Technical Specifications

Power operation

The radio is powered by the vehicle's battery. The battery is an external power source of limited power. The system operates at 13.3V DC nominal voltage, 9V DC minimum voltage, and 16V DC maximum voltage.

Radio Specifications

Frequency Range and max. Output Power (if applicable):

Bluetooth	2402 – 2480 MHz +4dBm (2.51 mW) EIRP
AM Receiver	531 – 1602 kHz
FM Receiver	87.5 – 108 MHz
DAB Band II Receiver	174.928 – 239.200 MHz
DAB L-Band Receiver	1452.96 – 1490.624 MHz
GPS Receiver	1575.42 MHz

Each variant uses the CSR8311 Bluetooth IC.

Installation

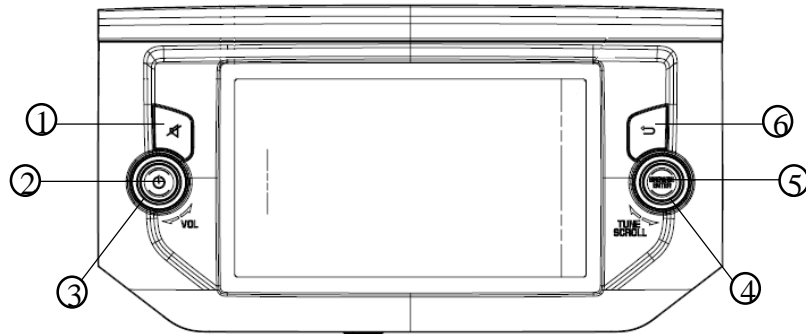
The system shall have an external current protection with a maximum 15A fuse once it is installed in the vehicle. The radio will be installed in the CNHi factory directly into the vehicle. No user input is required.

Radio Equipment Directive Declaration of Conformity

Herby, Aptiv declares that the radio equipment type CNHi is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.aptiv.com/automotive-homologation/>

Basic Operation



Power On/Off

Press the POWER button (2) to turn the unit on/off.

Volume

To increase the volume, rotate the Encoder Knob (5) clockwise. To decrease the volume, rotate the Encoder Knob counter-clockwise.

Mute

Press the MUTE button (1) to mute the audio output. Press the MUTE button again to restore the audio output to the previous level.

Return

Press the RETURN button (6) to return to the previous page/operation.

Browse/Enter

Push the ENTER/BROWSE button (5) to accept a highlighted section on the screen.

Tune/Scroll

Rotate the TUNE/SCROLL (4) rotary knob to scroll through a list or tune a radio station when in Radio Mode.

NOTE: Depending on the vehicle options, feature settings may vary.



Radio

Press the RADIO button (1) on the touchscreen to enter Radio Mode. The different tuner modes: AM, FM, and DAB can be selected by pressing the corresponding buttons on the touchscreens in Radio Mode.

Media

Press the MEDIA button (2) on the touchscreen to access media sources such as: Disc (if equipped), USB Device, AUX, Bluetooth, and SD Card (if equipped) as long as the requested media is present.

Navigation (if equipped)

Press the NAV button (3) on the touchscreen to enter Navigation Mode. Refer to the Navigation section in this manual for further details.

Apps Menu

Press the APPS button (4) on the touchscreen to open the Apps main menu. On this screen, you will be able to access all of your available apps. To access an App directly, press the corresponding button on the touchscreen, and you will be directed to that App.

Phone

Press the PHONE button (5) on the touchscreen to access the Uconnect phone feature and connect a mobile device.

Backup Camera

Press the BACK CAM (6) button on the touchscreen to access the Backup Camera Mode. This will allow you to utilize the vehicle's backup camera feature.

Vehicle

Press the VEHICLE (7) button on the touchscreen to enter the Vehicle Mode and access the vehicle's telematics information.

Settings

Press the SETTINGS (8) button on the touchscreen to access the Settings Menu. The Settings Menu allows the user to change: Language, Display, Background, Voice, Clock, Power Settings, Audio, Phone/Bluetooth, Radio Setup, and Camera settings.

Compass

Press the COMPASS (9) button on the touchscreen to access the Compass Mode and see the vehicle's current direction.

Audio Settings

Press the AUDIO SETTINGS (10) button on the touchscreen to adjust the audio Balance/Fade, Equalizer, Speed Adj Volume, and Loudness.

Regulatory Information USA

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

This device complies with part 15 of the FCC Rules. 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.

RF exposure safety

This device complies with FCC RF exposure limits and has been evaluated in compliance with mobile exposure conditions.

The antenna must be installed and operated with minimum distance of 20 cm between the radiator and your body.

Class B device notice

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Supplier's Declaration of Conformity
CFR § 2.1077 Compliance Information.

Supplier's Declaration of Conformity



This device complies with part 15 of the FCC Rules. 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.

We, Aptiv Services US, LLC., hereby declare that the equipment bearing the model name specified below, was tested conforming to the applicable FCC Rules under the most accurate measurement standards possible. That all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the Commissions requirements.

Unique Identifier: NIS
Responsible Party – U.S. Contact Information
Aptiv Services US, LLC.
2151 Lincoln RD Kokomo IN 46902, USA
Zip Code: 46902

Regulatory Information Canada

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

47 This device complies with ISED license-exempt RSS(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.

RF exposure safety

This device complies with ISED RF exposure limits and has been evaluated in compliance with mobile exposure conditions.

The antenna must be installed and operated with minimum distance of 20 cm between the radiator and your body.

CAN ICES-003 (B)

This Class B digital apparatus complies with Canadian ICES-003

Standard IEC 60950-1 Clause 2.5 notices

The CNHi is supplied from a specific external power supply in compliance with clause 2.5 of Standard IEC 60950-1.

Bulgarian	С настоящото Aptiv декларира, че тази CNHi NIS е в съответствие със съществените изисквания и други съответни разпоредби на стандарт IEC 60950-1, точка 2.5.
Czech	Aptiv prohlašuje, že tento CNHi NIS je v souladu se základními požadavky a dalšími příslušnými ustanoveními standardu IEC 60950-1, článek 2.5.
Danish	Hermed erklærer Aptiv, at denne CNHi NIS er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Standard IEC 60950-1, punkt 2.5.
Dutch	Hierbij verklaart Aptiv dat deze CNHi NIS voldoet aan de essentiële vereisten en andere relevante bepalingen van Standaard IEC 60950-1 Clausule 2.5.
English	Hereby, Aptiv declares that this CNHi NIS is in compliance with the essential requirements and other relevant provisions of Standard IEC 60950-1 Clause 2.5.

Estonian	Käesolevaga kinnitab Aptiv, et see CNHi NIS vastab standardi IEC 60950-1 klausli 2.5 põhinõuetele ja muudele asjakohastele sätetele.
German	Hiermit erklärt Aptiv, dass dieses CNHi NIS die grundlegenden Anforderungen und anderen relevanten Bestimmungen der Norm IEC 60950-1, Abschnitt 2.5 erfüllt.
Greek	Με αυτό τον τρόπο, ο Aptiv δηλώνει ότι αυτό το CNHi NIS συμμορφώνεται με τις βασικές απαιτήσεις και τις λοιπές σχετικές διατάξεις του προτύπου IEC 60950-1, άρθρο 2.5.
Hungarian	Ezennel az Aptiv kijelenti, hogy ez a CNHi NIS megfelel az IEC 60950-1 szabvány 2.5. Szakaszának alapvető követelményeinek és egyéb vonatkozó rendelkezéseinek.
Finnish	Täten Aptiv vakuuttaa, että tämä CNHi NIS noudattaa standardin IEC 60950-1 2.5 kohdan olennaisia vaatimuksia ja muita asiaankuuluvia säännöksiä.
French	Par la présente, Aptiv déclare que ce CNHi NIS est conforme aux exigences essentielles et aux autres dispositions pertinentes de la norme CEI 60950-1, clause 2.5.
Icelandic	Þess vegna lýsir Aptiv að þetta CNHi NIS sé í samræmi við grunnkröfur og aðrar viðeigandi ákvæði staðals IEC 60950-1, grein 2.5.
Italian	Con la presente, Aptiv dichiara che questo CNHi NIS è conforme ai requisiti essenziali e alle altre disposizioni pertinenti della norma IEC 60950-1 clausola 2.5.
Latvian	Ar šo Aptiv paziņo, ka šī CNHi NIS atbilst būtiskajām prasībām un citiem atbilstošajiem noteikumiem IEC 60950-1 2.5. Punktā.
Lithuanian	Šiuo dokumentu "Aptiv" pareiškia, kad ši " CNHi NIS " atitinka esminius reikalavimus ir kitus atitinkamus standarto IEC 60950-1 2.5 poskyrio reikalavimus.
Maltese	Hawnhekk, Aptiv tiddikjara li din in-NIS CNH hija konformi mar-reqwiżiti essenzjali u d-dispożizzjonijiet l-oħra rilevanti tal-Istandard IEC 60950-1 Klawżola 2.5.

Norwegian	Hermed erklærer Aptiv at denne CNHi NIS er i samsvar med de vesentlige kravene og andre relevante bestemmelser i Standard IEC 60950-1 Klausul 2.5.
Polish	Niniejszym Aptiv deklaruje, że ten CNHi NIS jest zgodny z zasadniczymi wymaganiami i innymi odpowiednimi postanowieniami normy IEC 60950-1, klauzula 2.5.
Portuguese	Por meio deste, a Aptiv declara que este CNI NIS está em conformidade com os requisitos essenciais e outras disposições relevantes da Norma IEC 60950-1 Cláusula 2.5.
Slovak	Aptiv týmto prehlasuje, že tento CNHi NIS je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami normy IEC 60950-1, článok 2.5.
Slovenian	Aptiv izjavlja, da je ta CNHi NIS v skladu z bistvenimi zahtevami in drugimi ustreznimi določbami standarda IEC 60950-1, oddelek 2.5.
Spanish	Por la presente, Aptiv declara que este CNHi NIS cumple con los requisitos esenciales y otras disposiciones relevantes de la Cláusula 2.5 de la Norma IEC 60950-1.
Swedish	Häri förklarar Aptiv att denna CNHi NIS överensstämmer med de väsentliga kraven och andra relevanta bestämmelser i Standard IEC 60950-1 Klausul 2.5.