2018 MapCare Manual for Dealers

Version 1.4

This document is split into four sections:

1. Downloading the map updates

2. Creating your Service Tool Kit

3. Updating the vehicles

4. Frequently Asked Questions (FAQ)

1. Downloading the map updates

1.1 Compatibility table

GEN 1.x	Venga (YN) Cee'd (ED JD) Sportage (SL, SLFL)	Sorento (XM, XMFL) Optima (TF, TFFL)	Rio (UB) Carens(RP)
GEN 2.0	Picanto (TA) Rio (UB)	Venga (YN) Optima (JF)	New Sportage (QL) New Sorento (UM)
GEN 4.0	Soul (PS, PSEV) Sorento (UM) Optima (TF, TF HEV)		
iAVN	Niro (DE HEV, DE PHEV) Sportage 2017 (Qle) Soul 2017 (PS PE)	Carens (RP PE) Rio (YB), Stonic (YB CUV) Stinger (CK)	Sorento PE (UM PE) Cee´d (JD MY17) Optima (JF 2017, JF PHEV,JF WGN, JF WGN PHEV)
DAUDIO	Rio (YB) Stonic (YB CUV)		

1.2 Downloading the updates

Downloading and creating a SD card with the All Software package is the fastest and most convenient way to create the **2018 update kit**

Step 1

Download "All Software"***** (see **1.2.8**)

Step 2

Prepare the SD card (see **2.6 - 2.6.2**)

Step 3

Download map data***** files as needed (see **1.2.4 – 1.2.9**)

Step 4

Continue with **2.7**

* Gen 1.x map data is included in "All Software" file

1.2.1 Required Software and Memory on PC

Software needed for download:

- Windows 7, Windows 8 or Windows 10
- Web browser like FireFox, Chrome or Internet Explorer
- WinZIP or 7Zip extraction tool

Hard drive space:

- Map data files need to be stored on PC for copying to Vehicle SD card (approx 42 GB)
- System Software will be copied one time to separate SD card or USB stick and can be deleted from hard drive after copy process

| Platform	Component	File size after extraction
GEN 1.x (5.1.3)	Map Data and Software	3.15 GB
GEN 1.x 2018 Update	Map Data and Software	5.08 GB
GEN 2.0 2018 Update	Map Data	7.40 GB
	System Software	2.80 GB
GEN 4.0 2018 Update	Map Data	11.60 GB
	System Software	4.73 GB
iAVN 2018 Update	Map Data	17.00 GB
	System Software	2.62 GB
DAUDIO	System Software	0.781 GB

1.2.2 How to download the update
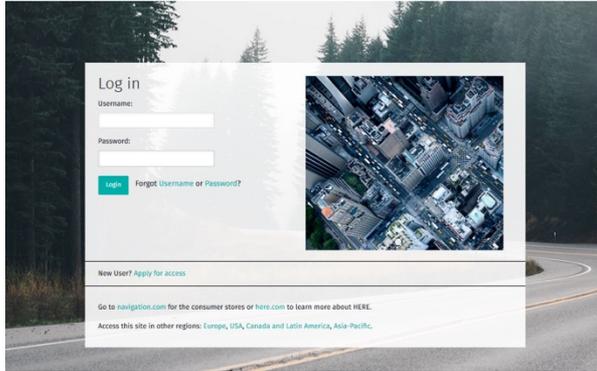
Please use your Username and Password to Log In

For security reasons, you will have to **change to a new password after first Log In**
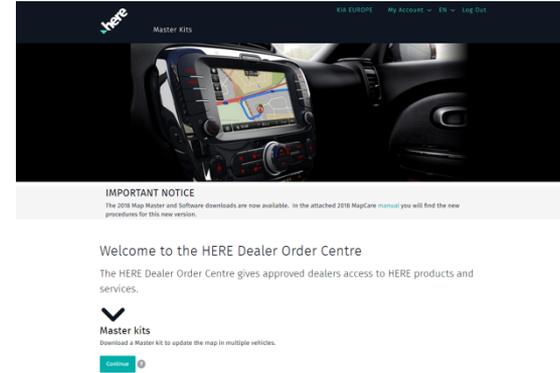
MapCare Map and Software updates are available for Authorized Dealers at:

http://www.navigation.com/doc-emea

1.2.3 Overview page

Click on **[Continue]** to see the available files

Master kits

Download a Master kit to update the map in multiple vehicles.

Continue ?

Click on the **navigation platform you want to download**

You are guided to the next page

All Software

GEN 1.x Map Master Files and System Software

GEN 2.0 Map Master Files and System Software

GEN 4.x Map Master Files and System Software

iAVN Map Master Files and System Software

Software - Display Audio Update

1.2.4 GEN 1.x platform

Gen 1.x 2018 is the latest **System Software and Map update**
In most cases, you only need to download this package. The file name is **Kia_Gen1x_2018.zip**

Gen 1.x 2018

SKU: E3242011827001

☐ I have read and accept the Export Control Terms.

Download

Gen 1.x 5.1.3 is only needed **if the system software is pre 5.1.3**
In this case, you need to download and install both packages. The file name is **Kia_Gen1x_5_1_3.zip**

Gen 1.x 5.1.3 2018

SKU: E3242011826001

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

1.2.5 Gen 2.0 platform

Gen 2.0 Map 2018 is the latest **Map update**
The file name is **Kia_Gen2_Map_2018.zip**

Gen 2.0 Map 2018

SKU: E3242011826002

☐ I have read and accept the Export Control Terms.

Download

Gen 2.0 Software is the latest **System Software update**
The file name is **Kia_Gen2_Software_2018.zip**

Gen 2.0 Software 2018

SKU: E3242011827002

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

1.2.6 Gen 4.0 platform

Gen 4.x Map 2018 is the latest **Map update**
The file name is **Kia_Gen4_Map_2018.zip**

Gen 4.x Map 2018

SKU: E3282011826001

☐ I have read and accept the Export Control Terms.

Download

Gen 4.x Software is the latest **System Software update**
The file name is **Kia_Gen4_Software_2018.zip**

Gen 4.x Software 2018

SKU: E3282011827001

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

1.2.7 iAVN Platform

iAVN Map 2018 is the latest **Map update**
The file name is **Kia_iAVN_Map_2018.zip**

iAVN Map 2018
SKU: E3282011826002

☐ I have read and accept the Export Control Terms.

Download

iAVN Software is the latest **System Software update**
The file name is **Kia_iAVN_Software_2018.zip**

iAVN Software 2018
SKU: E3282011827002

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

1.2.8 Downloading Software for All Platforms

Gen X All Software 2018 includes **Gen 1.x 2018*, Gen 2.0 2018, Gen 4.0 2018 and iAVN 2018 system software**
The total file size is approx **16 GB**

GenX all Software 2018
SKU: E3282011827999

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

* Gen 1.x includes Map and Software

The total file size is approx **0.781 GB**

Software Display Audio Patch 2018

SKU: E3281361827500

☐ I have read and accept the Export Control Terms.

Download

To request the personal download link, check the **"Export and Control Terms"** box and click **[Download]**

By clicking **"Save File"** the selected file will be downloaded to your computer

* Gen 1.x includes Map and Software

2. Creating your Service Tool Kit (STK)

KIA

2.1 Preparing the Service Tool Kit (STK)

2018 system software and map updates are available as a **download** to you

As highlighted in the Download Manual, **each platform is split into:**

Software	**Map data**

- ➢ It needs to be copied to a media (SD Card or USB stick, depending on the navigation platform) **one time only**

- ➢ After copying the software to the media, you may delete the files from your computer

- ➢ The 2018 files need to stay on your computer and be copied to the vehicle´s SD card for every update

The process is universal for all navigation platforms:

1. Download the files

2. Extract the files to your hard drive

3. Copy the files to SD card or USB stick

2.2 Media carriers

We suggest to create **3 different media carriers**:

Carrier 1

One SD card containing:

Gen 2.0 2018 System Software
Gen 4.0 2018 System Software
iAVN 2018 System Software

Carrier 2

One USB stick containing:

Gen 1.x 2018

Carrier 3

One USB stick containing:

Gen 1.x Version 5.1.3
DAUDIO Software

2.3 Required Media

| Platform	Media	Size	Comment
GEN 1.x 2018	USB Stick	8 GB	If you need to purchase a new USB stick, a common consumer grade version is sufficient (e.g. Intenso 8 GB USB-Stick)
GEN 1.x (5.1.3) DAUDIO	USB Stick	8 GB	If you need to purchase a new USB stick, a common consumer grade version is sufficient (e.g. Intenso 8 GB USB-Stick)
GEN 2.0 2018 Update	SD Card	32 GB	In case you would like to create one SD card per navigation platform or need to purchase more SD cards, please purchase a common consumer grade SD card (e.g. SanDisk Ultra SDHC 32GB UHS-I Class 10)
GEN 4.0 2018 Update			This manual will explain how to create one SD card containing 2018 software versions of Gen 2.0. Gen 4.0 and iAVN platforms
iAVN 2018 Update			If your PC does not have a SD card slot, you can use a USB to SD card adapter. In case you need to purchase an adapter, please, purchase TRANSCEND RDF5 Card Reader or similar

2.4 Preparing USB and SD cards

Step 1

[INSERT] SD card or USB stick in PC

Step 2
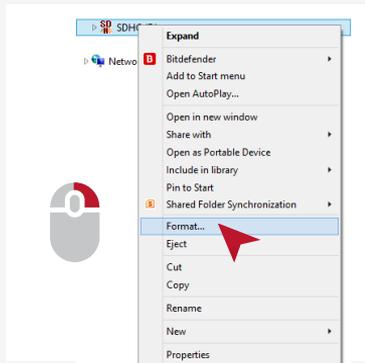
Right click SD card or USB drive and select **[FORMAT]**

Step 3
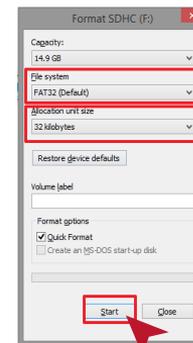
Format the SD card or USB stick to **[FAT32]**

If you do not format the media properly, the update process will fail

2.5 Locating the 2018 Map Update files

After downloading the files, please open the folder containing the downloads

The **file names** are:

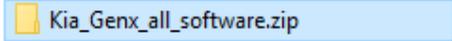| Platform	Component	File name
GEN 1.x 2018	Map Data and Software	Kia_Gen1x_5_1_3.zip
GEN 1.x (5.1.3)	Map Data and Software	Kia_Gen1x_2018.zip
GEN 2.0 2018 Update	Map Data	Kia_Gen2_Map_2018.zip
	System Software	Kia_Gen2_Software_2018_2.zip
GEN 4.0 2018 Update	Map Data	Kia_Gen4_Map_2018.zip
	System Software	Kia_Gen4_Software_2018.zip
iAVN 2018 Update	Map Data	Kia_iAVN_Map_2018.zip
	System Software	Kia_iAVN_Software_2018_2.zip
DAUDIO 2018 Update	System Software	Kia_DAUDIO_A_2018.zip

These steps need to be performed **ONE TIME** only to create the STK
As soon as the STK is ready, you may delete the files from your PC

Step 1
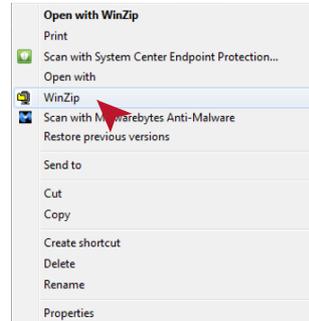
Please open the folder with the downloaded ZIP files and locate the **Kia_Genx_all_Software_2018.zip**

📁 Kia_Genx_all_software.zip

Step 2

Right click on the file and select **[WinZip]**

Open with WinZip
Print
Scan with System Center Endpoint Protection...
Open with ▸
WinZip ▸
Scan with Malwarebytes Anti-Malware
Restore previous versions

Send to ▸

Cut
Copy

Create shortcut
Delete
Rename

Properties

Step 3

Select **[Extract to folder]**. WinZip will now extract the files to a new folder named like the nav platform

Extract to...
Extract to here
Extract to folder   C:\2018Update\ Kia_Genx_all_Software_2018
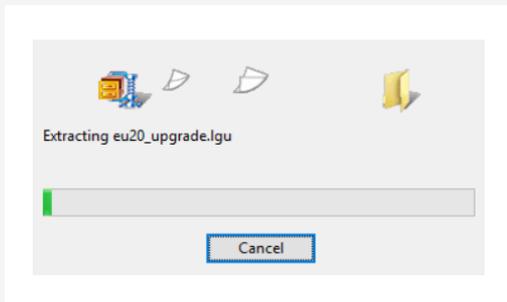Extract to folder ▸

2.6.1 Preparing the 2018 STK – GenX All Software 2018

These steps need to be performed **ONE TIME** only to create the STK
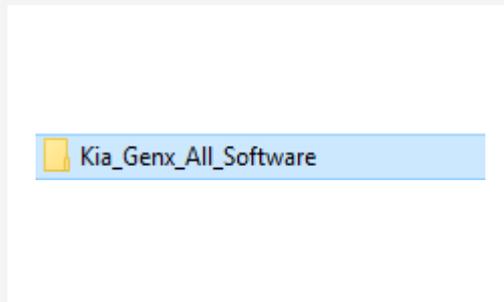As soon as the STK is ready, you may delete the files from your PC
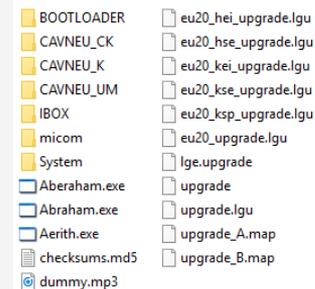
Step 4

WinZip is now extracting the files

Extracting eu20_upgrade.lgu

Cancel

Step 5

The new folder is visible now

Kia_Genx_All_Software

Step 6

Double Click the folder to open it until you see the files

BOOTLOADER	eu20_hei_upgrade.lgu
CAVNEU_CK	eu20_hse_upgrade.lgu
CAVNEU_K	eu20_kei_upgrade.lgu
CAVNEU_UM	eu20_kse_upgrade.lgu
IBOX	eu20_ksp_upgrade.lgu
micom	eu20_upgrade.lgu
System	lge.upgrade
Aberaham.exe	upgrade
Abraham.exe	upgrade.lgu
Aerith.exe	upgrade_A.map
checksums.md5	upgrade_B.map
dummy.mp3	

These steps need to be performed **ONE TIME** only to create the STK
As soon as the STK is ready, you may delete the files from your PC

Step 7

Select the files in the folder. Right click on the marked files and select **[Copy]**
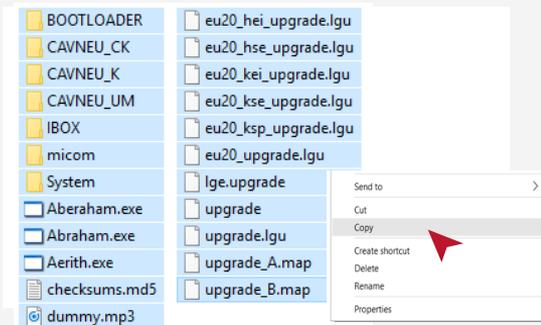
Step 8

Please right click on the SD card folder and paste the data on the SD card
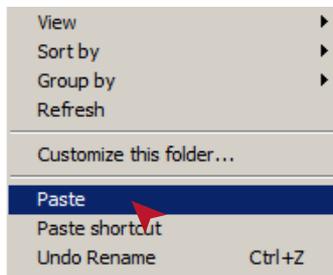
Step 9

Now you created a SD card to update the following system software to 2018 version:

- ➢ Gen 1.x
- ➢ Gen 2.0
- ➢ Gen 4.0
- ➢ iAVN

Gen 1.x version 5.1.3 is only needed for vehicles, that do not have a 5.1.3 or higher installed. In case a vehicle has 5.1.2 or lower, you need to install 5.1.3 first and 2018 update afterwards
You need to prepare a separate USB stick for this version

Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_Gen1.x_5.1.3.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

Gen 1.x version 5.1.3 is only needed for vehicles, that do not have a 5.1.3 or higher installed. In case a vehicle has 5.1.2 or lower, you need to install 5.1.3 first and 2018 update afterwards
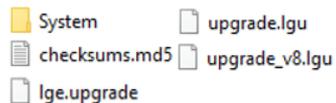**You need to prepare a separate USB stick for this version**

Step 5

Double click the folder to open it until you see the files

⚠ Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

📁 System 📄 upgrade.lgu
📄 checksums.md5 📄 upgrade_v8.lgu
📄 lge.upgrade

Step 7

Right click and paste the data on the USB stick

Step 8

The USB stick will contain **3.15 GB**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_Gen1x_2018.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC
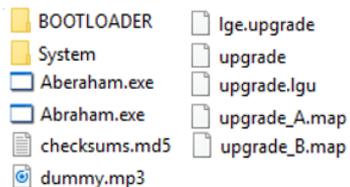
Step 5

Double click the folder to open it until you see the files

⚠ Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

📁 BOOTLOADER   📄 lge.upgrade
📁 System   📄 upgrade
🔲 Aberaham.exe   📄 upgrade.lgu
🔲 Abraham.exe   📄 upgrade_A.map
📄 checksums.md5   📄 upgrade_B.map
📀 dummy.mp3

Step 7

Right click and paste the data on the USB stick

Step 8

The USB stick will contain **5.08 GB**

2.6.5 Preparing the 2018 STK - GEN 2.0 2018 Update (1/2)

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC
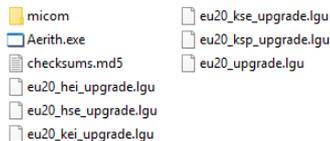
Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_Gen2_Software_ 2018.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 5

Double click the folder to open it until you see the files

⚠ Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

📁 micom
⬛ Aerith.exe
📄 checksums.md5
📄 eu20_hei_upgrade.lgu
📄 eu20_hse_upgrade.lgu
📄 eu20_kei_upgrade.lgu
📄 eu20_kse_upgrade.lgu
📄 eu20_ksp_upgrade.lgu
📄 eu20_upgrade.lgu

Step 7

Please right click on the SD card folder and **paste the data on the SD card**

Step 8

Now you created a SD card to update **Gen 2.0** system software to 2018 version

2.6.6 Preparing the 2018 STK - GEN 4.0 2018 Update (1/2)

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_Gen4.x_Software_2018.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 5

Double click the folder to open it until you see the files

⚠ Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

📁 IBOX
📄 IBOX.md5

Step 7

Please right click on the SD card folder and **paste the data on the SD card**

Step 8

Now you created a SD card to update **Gen 4.0** system software to 2018 version

2.6.7 Preparing the 2018 STK - iAVN 2018 Update (1/2)

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC
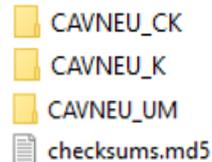
Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_ iAVN_ Software_2018.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 5

Double click the folder to open it until you see the files

⚠ Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

- 📁 CAVNEU_CK
- 📁 CAVNEU_K
- 📁 CAVNEU_UM
- 📄 checksums.md5

Step 7

Please right click on the SD card folder and **paste the data on the SD card**

Step 8

Now you created a SD card to update **iAVN** system software to 2018 version

2.6.8 Preparing the 2018 STK - DAUDIO Update (1/2)

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC
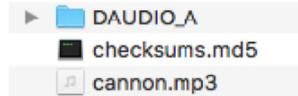
Step 1

Open the folder with the downloaded ZIP files and locate the **Kia_DAUDIO_A_2018.zip**

Step 2

Right click on the file and select **[WinZip]**

Step 3

Select **[Extract to folder]**. The files will be extracted to a new folder named like the navigation platform

Step 4

After WinZip has extracted the files, the **new folder will be visible**

These steps need to be performed **ONE TIME** only to create the STK. As soon as the STK is ready, you may delete the files from your PC

Step 5

Double click the folder to open it until you see the files

Step 6

Select the files in the folder. Right click on the marked files and select **[Copy]**

Step 7

Please right click on the USB stick and **paste the data on the USB.**

Step 8

Now you created a SD card to update **DAUDIO** system software to 2018 version

2.7 Creating the Map Data folder

Step 1

Create a new folder on your computer and name it **"Map Update 2018"**

Step 2

This folder will serve as your **central storage** of the Map Data

Step 3

Copy the downloaded and extracted Map Data files into this folder. You will need approx. **45 GB** of hard disk space

2.8 Verifying Map Data files

⚠ **Right click** on the individual map data folder and **select [Properties]**
The file properties must match the below information

Gen 2.0 Map

Type:	File folder
Location:	C:\Users\Winter\Desktop\2017RU\Kia\Gen2.0 201
Size:	7.40 GB (7,955,382,428 bytes)
Size on disk:	7.40 GB (7,956,496,384 bytes)
Contains:	665 Files, 7 Folders

Gen 4.0 Map

Typ:	Dateiordner
Ort:	C:\Users\Winter\Desktop\2017_RU Patch
Größe:	11,6 GB (12.560.372.475 Bytes)
Größe auf Datenträger:	11,6 GB (12.561.129.472 Bytes)
Inhalt:	364 Dateien, 66 Ordner

iAVN Map

Typ:	Dateiordner
Ort:	C:\Users\Winter\Desktop\2017_RU Patch
Größe:	17,0 GB (18.329.918.314 Bytes)
Größe auf Datenträger:	17,0 GB (18.330.980.352 Bytes)
Inhalt:	552 Dateien, 126 Ordner

3. Updating the vehicles

GEN 1.x	Venga (YN)
	Cee'd (ED JD)
	Sportage (SL, SLFL)
	Sorento (XM, XMFL)
	Optima (TF, TFFL)
	Rio (UB)
	Carens (RP)

If the current version is lower than 5.1.3, the pop-up screen is displayed as shown below:

Before performing the update make sure that the vehicle is equipped **with software 5.1.3 or newer**

If not, please, **refer to the relevant TSB**

Upgrade the software to 5.1.3 version according to the previous TSB

In case of above screen message, please refer to TSB: KGE12-92-P140-YNEDSLXMTFUBQB

Insert the USB with the upgrade files into the car's USB port

AUX   **USB**
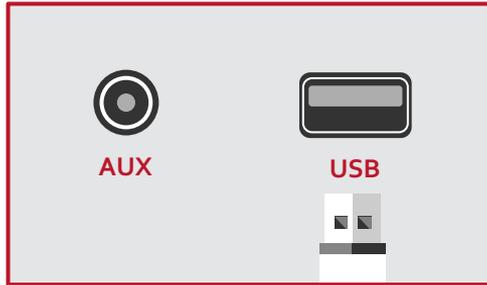
The system will automatically recognize the new system and map software and displays current and new software and map information

Press **[OK]** then **[Agree]** to proceed

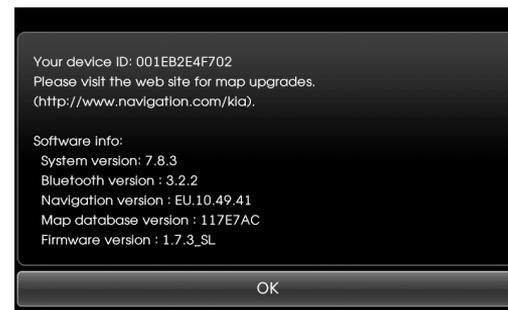The system will start performing the upgrade for both the system and the map

Long press on the **[SETTINGS]** button

Check the software and map versions

Your device ID: 001EB2E4F702
Please visit the web site for map upgrades.
(http://www.navigation.com/kia).

Software info:
 System version: 7.8.3
 Bluetooth version : 3.2.2
 Navigation version : EU.10.49.41
 Map database version : 117E7AC
 Firmware version : 1.7.3_SL

OK

GEN 1.x	System version	7.8.3
	Navi app version	EU.10.49.41
	Map database version	117E7AC

GEN 2.0	Picanto (TA)
	Rio (UB)
	Venga (YN)
	Optima (JF)
	New Sportage (QL)
	New Sorento (UM)

3.2.1 GEN 2.0 - Step 1 - in vehicle
System Software Upgrade (Duration <12 min)

Remove the map SD Card from the SD-Card slot. Insert the SD card with the upgrade files into the SD-Card slot

System automatically detects an upgrade file on the SD Card and displays a window with old and new software information

	Current version	New version
System S/W	TL.EU.SOP.20 - 1.6.6	TL.EU.SOP.20 - 1.7.8
Firmware	TL.EU.SOP - 1.0.9	TL.EU.SOP - 1.3.0
Navi. App	TL.EU.SOP - 094947	TL.EU.SOP - 104955

Upgrade / Cancel

Click on the **[Upgrade]** then **[Agree]** buttons

System starts the upgrade process
Once the update is completed, the system automatically reboots
Long press on the **[SETTINGS]** button

Check that the new S/W version is displayed
Remove SD Card

REG 00:27
Device information
Device ID C4366CF11FBC
For further information about your Map upgrade, please visit the website.
(http://www.navigation.com/kia)
Software ver. : UM.EU.SOP.10.178
Firmware ver. : UM.EU.SOP.10.130
Navi app ver. : UM.EU.SOP.10.49.55
Map ver. : EUR.10.48.54.001.001(D.D2)
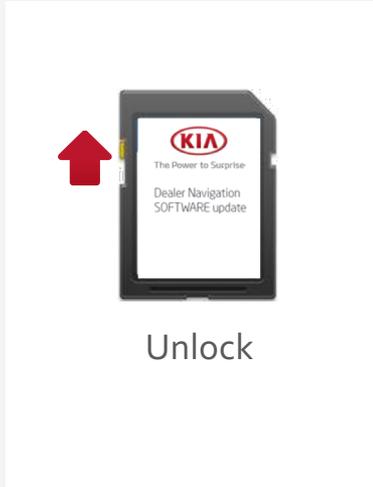
In some cases "Invalid Map Version" appears

This is caused by the removal of Map SD Card and has no impact on the software update

3.2.2 GEN 2.0 - Step 2 - on PC
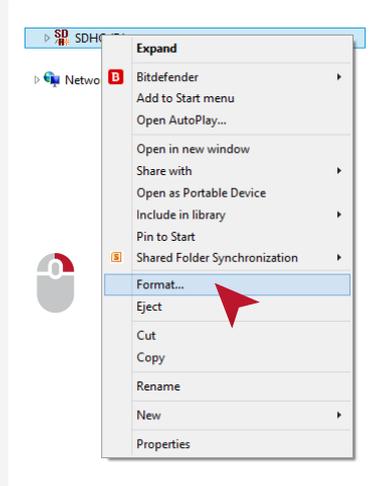## Format "Customer's SD card" (Duration <5 sec)

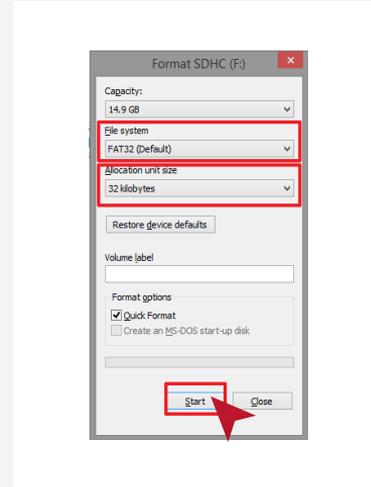**Check** that the Map SD is unlocked

Unlock

Insert the card in the SD slot of your computer

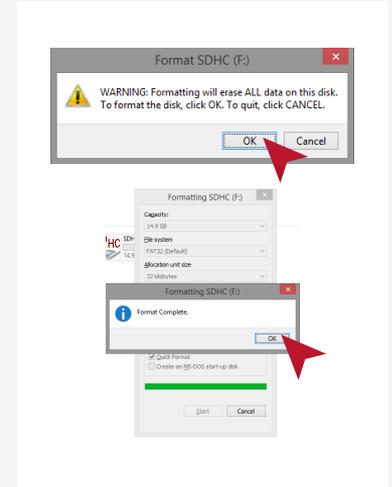Select SD card drive and click the right mouse button and click **[FORMAT]**

NOT FORMATTING THE SD CARD WILL LEAD TO UPDATE ISSUES!

Use the following settings:
File System: **FAT32** (Default)
Allocation Unit Size: **32KB**

Click **[START]** button

Start format by clicking **[OK]** When format is done click **[OK]**
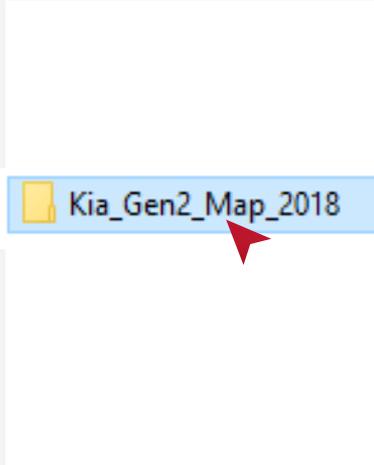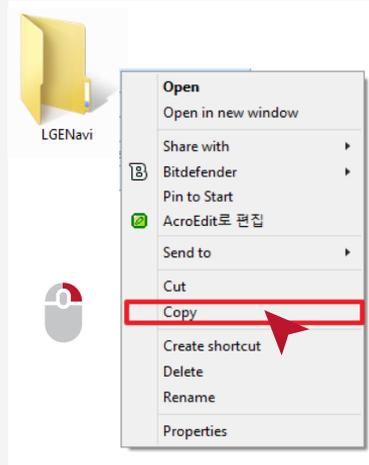

Duration: **<5 sec**

Open the GEN 2.0 map folder on your PC

Kia_Gen2_Map_2018

Select **[LGENavi]**
Click right mouse button and left click on **[COPY]**

LGENavi

Open
Open in new window

Share with
Bitdefender
Pin to Start
AcroEdit로 편집

Send to

Cut
Copy

Create shortcut
Delete
Rename

Properties
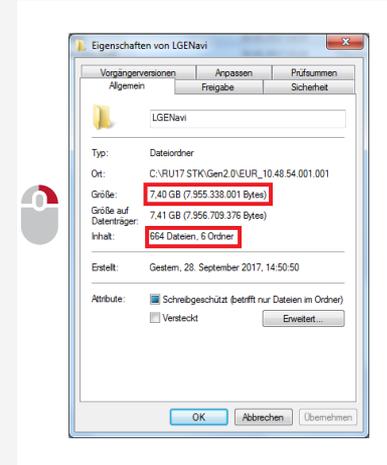
Right click on the SD card drive and click on **[PASTE]** to copy the map on the SD Card
Duration: **<20 min**

▷ 🖼 Pictures
▷ 🎬 Videos
▷ 💾 Local Disk (C:)
▷ SD SDHC (F:)

Format...
Eject

Cut
Copy

Paste

Rename

DO NOT COPY OTHER FILES TO THE SD CARD ⚠

Check copy completion
Select ALL files
Click right mouse button and click **[PROPERTIES]**

Eigenschaften von LGENavi

Vorgängerversionen | Anpassen | Prüfsummen
Allgemein | Freigabe | Sicherheit

LGENavi

Typ: Dateiordner
Ort: C:\RU17 STK\Gen2.0\EUR_10.48.54.001.001
Größe: 7,40 GB (7.955.338.001 Bytes)
Größe auf Datenträger: 7,41 GB (7.956.709.376 Bytes)
Inhalt: 664 Dateien, 6 Ordner

Erstellt: Gestern, 28. September 2017, 14:50:50

Attribute: ☑ Schreibgeschützt (betrifft nur Dateien im Ordner)
☐ Versteckt   Erweitert...

OK | Abbrechen | Übernehmen

Check number of data / folder and size

3.2.4 GEN 2.0 - Step 4 – in vehicle
Check Map and Software in the System (Duration <2 min)

Put the update Map SD Card back in the SD slot. The system will reboot.
Long press on the **[SETTINGS]** button

Check the Navi app and Map versions

REG	00:27	
Device information		↰

Device ID C4366CF11FBC
For further information about your Map upgrade, please visit the website.
(http://www.navigation.com/kia)

Software ver. : UM.EU.SOP.10.178
Firmware ver. : UM.EU.SOP.10.130
Navi app ver. : UM.EU.SOP.10.49.55
Map ver. : EUR.10.48.54.001.001(D.D2)

GEN 2.0	System ver.	XX.EU.SOP.XX.178
	Navi app ver.	XX.EU.SOP.10.49.55
	Map database ver.	EUR.10.48.54.001.001(D.D2)

GEN 4.0	Soul (PS, PSEV)
	Sorento (UM)
	Optima (TF, TF HEV)

3.3.1 GEN 4.0 - Step 1 – in vehicle
System Software Upgrade (Duration <20 min)

Remove Map SD card from the slot

Insert unlocked SD Card into SD Card slot

Unlock

Press **[SETTINGS]** button once

Scroll down to **[SYSTEM INFO]** and press the icon

System Info

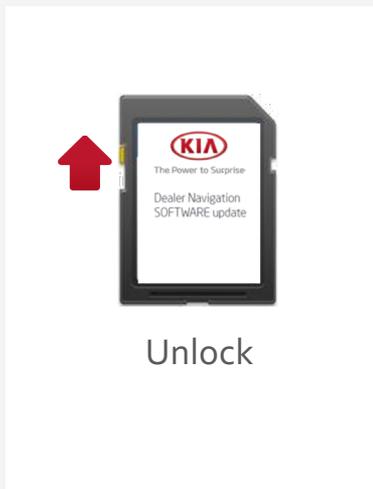System will reboot once the update is complete (< 20 min)

Go back to **[SYSTEM INFO]** to check if the new S/W version is displayed

3.3.2 GEN 4.0 - Step 2 - on PC
Format "Customer's SD card" (Duration <5 sec)

Check that the Map SD is unlocked

Unlock

Insert the card in the SD slot of your computer

Select SD card drive and click the right mouse button and click **[FORMAT]**
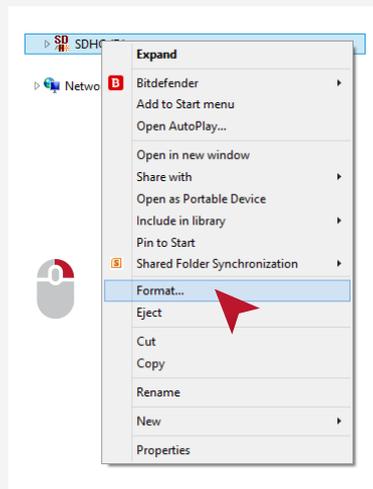
NOT FORMATTING THE SD CARD WILL LEAD TO UPDATE ISSUES! ⚠

Use the following settings:
File System: **FAT32** (Default)
Allocation Unit Size: **32KB**
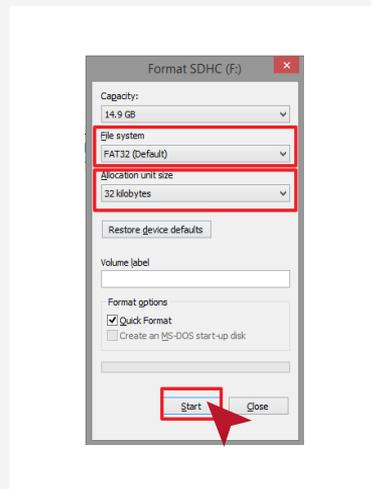
Click **[START]** button

Start format by clicking **[OK]**
When format is done click **[OK]**

Duration: **<5 sec**

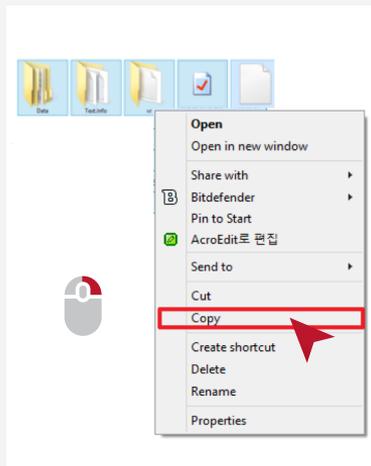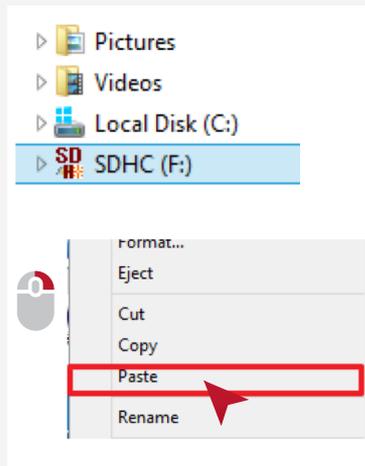Open **[MAP Update 2018]** folder on your PC
Open
[Kia_Gen4x_Map_2018]
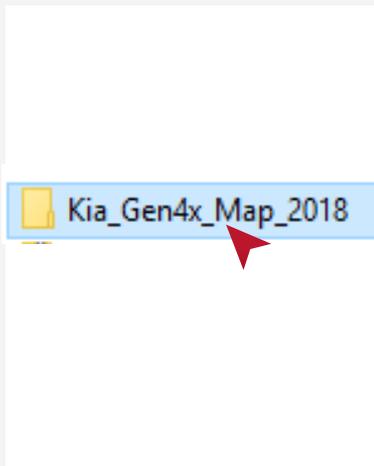
Select ALL files
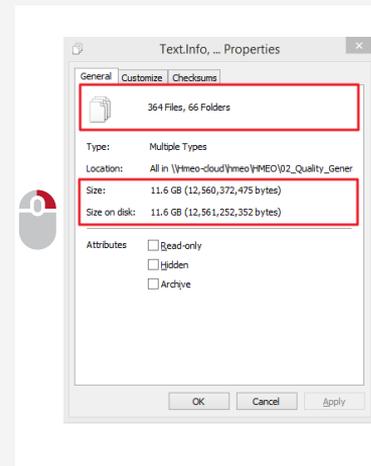Click right mouse button and left click on **[COPY]**

Right click on the SD card drive and click on **[PASTE]** to copy the map on the SD Card
Duration: **<20 min**

DO NOT COPY OTHER FILES TO THE SD CARD ⚠️

Check copy completion
Select ALL files
Click right mouse button and click **[PROPERTIES]**

Check number of data / folder and size

3.3.4 GEN 4.0 - Step 3 - on PC
Check Map in the System (Duration <2 min)

Insert the updated Map SD card back into the SD Card slot

1

If the system was **ON** it will reboot

The map should be displayed on the **[HOME]** screen

2

Press **[SETTINGS]** button

Scroll down to **[SYSTEM INFO]** and press the icon

3

System Info

Check that the new version is displayed

GEN 4.0	System ver.	E530.170925	
	Navi app ver.	ST4.EUR.KMC.170921.XXXXXXX	
	Map ver.	EUR.10.41.46.551.001(D.D2)	
		EUR.10.41.46.551.001(D.D2/E.D1)	For EV

3.4 iAVN compatibility table

iAVN	Niro (DE HEV, DE PHEV)
	Optima (JF 2017, JF PHEV, JF WGN, JF WGN PHEV)
	Sportage 2017 (Qle)
	Soul 2017 (PS PE)
	Carens (RP PE)
	Rio (YB)
	Stonic (YB CUV)
	Stinger (CK)
	Sorento PE (UM PE)
	Cee´d (JD MY17)

Remove the map SD Card from the SD-Card slot. Insert the SD card with the upgrade files into the SD-Card slot

System automatically detects an upgrade file on the SD Card and displays a window with the new software information

Press [OK] to update the software. All other functions will be deactivated during the update.
Update information:
JA.EUR.SOP.005.9

OK   Cancel
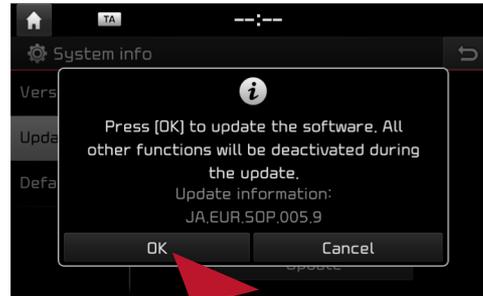
Click on the **[OK]**

System starts the upgrade process
During the upgrade process, the system will boot several times
Wait until the window with **[Upgrade completed]** is displayed

Click on the **[SETTINGS]/ [SETUP] button**
Scroll the screen to the next page and click on the **[SYSTEM INFO]** icon

Check that the new S/W version is displayed
Remove SD Card
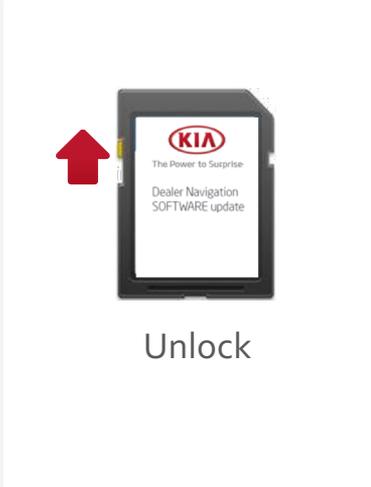
In some cases "Invalid Map Version" appears

This is caused by the removal of Map SD Card and has no impact on the software update

System info

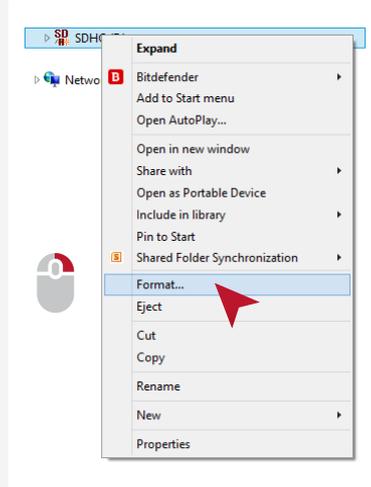|		
Version info	Software	RP.EUR.SOP.005.9.180306
	Firmware	RP.EUR.0.5.250.180110.MICOM
Update	NAV APP	STD_AVN_MID.EUR.KMC.170927.a803344
	Map	EUR.10.41.46.701.002.2(D.D1)
Default	Device ID	2299001168

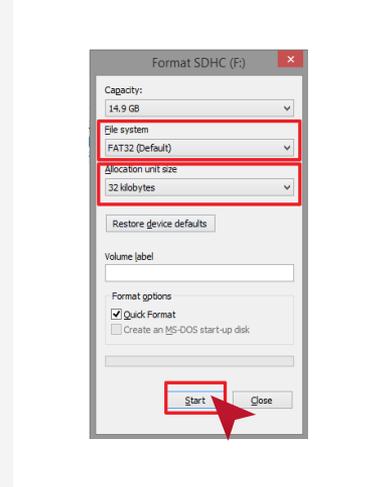**Check** that the Map SD is unlocked

Unlock

Insert the card in the SD slot of your computer

Select SD card drive and click the right mouse button and click **[FORMAT]**
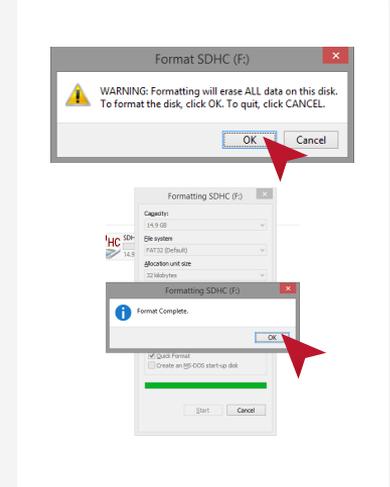

NOT FORMATTING THE SD CARD WILL LEAD TO UPDATE ISSUES! ⚠

Use the following settings:
File System: **FAT32** (Default)
Allocation Unit Size: **32KB**

Click **[START]** button

Start format by clicking **[OK]** When format is done click **[OK]**
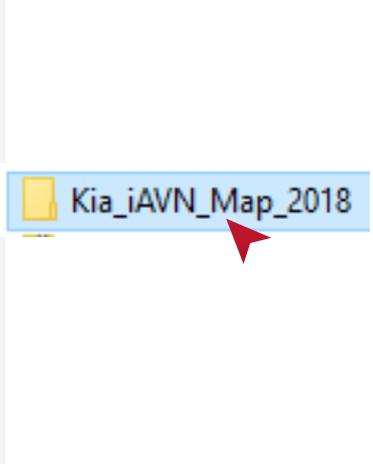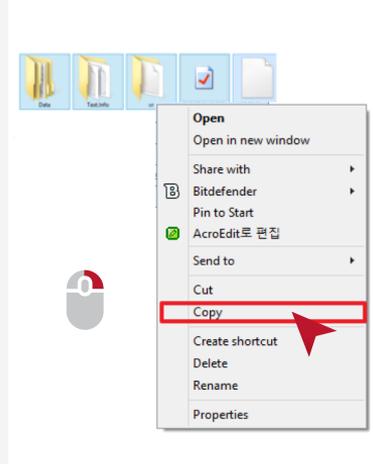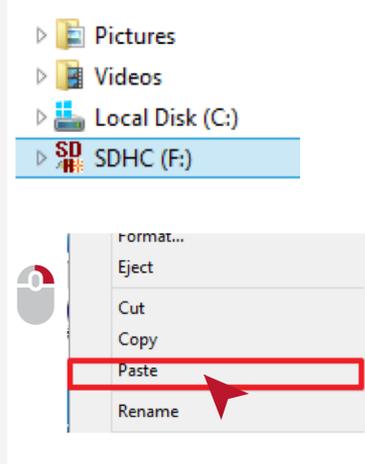

Duration: **<5 sec**

Open **[MAP Update 2018]** folder on your PC
Open **[Kia_iAVN_Map_2018]**

Kia_iAVN_Map_2018

Select ALL files
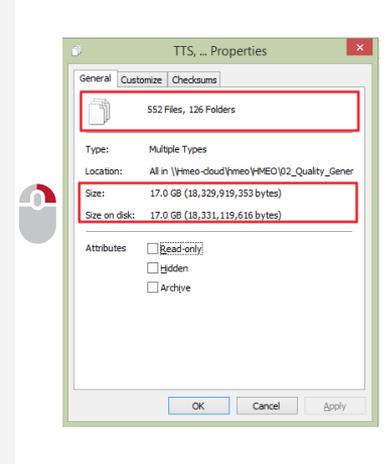Click right mouse button and left click on **[COPY]**

Open
Open in new window
Share with
Bitdefender
Pin to Start
AcroEdit로 편집
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties

Right click on the SD card drive and click on **[PASTE]** to copy the map on the SD Card
Duration: **<20 min**

Pictures
Videos
Local Disk (C:)
SDHC (F:)

Format...
Eject
Cut
Copy
Paste
Rename

DO NOT COPY OTHER FILES TO THE SD CARD ⚠

Check copy completion
Select ALL files
Click right mouse button and click **[PROPERTIES]**

TTS, ... Properties

General | Customize | Checksums

552 Files, 126 Folders

Type: Multiple Types
Location: All in \\Hmeo-cloud\hmeo\HMEO\02_Quality_Gener
Size: 17.0 GB (18,329,919,353 bytes)
Size on disk: 17.0 GB (18,331,119,616 bytes)

Attributes   ☐ Read-only
              ☐ Hidden
              ☐ Archive

OK   Cancel   Apply

Check number of data / folder and size

Re-insert the upgraded map SD-Card into the SD-Card slot
If the system is **ON**, it will reboot

Click on the **[SETTINGS]/[SETUP]** button
Scroll the screen to the next page
Click on the **[SYSTEM INFO]** icon

Check that the new software, Navi app version and Map version are displayed

iAVN	System ver.	XX.EUR.SOP. 002.9.180125	Stinger and Sorento PE
		XX.EUR.SOP. 005.9.180306	
	Map ver.	EUR.10.41.46.701.002.2(D.D2)	
		EUR.10.41.46.701.002.2(D.D2/E.D1)	For PHEV

DAUDIO	Rio (YB) Stonic (YB CUV)

Please refer to TSB for detailed update instructions.

4. Frequently Asked Questions

In case you experience problems or the email does not reach you, please contact the **HERE Contact Center** directly:

Local toll free number Germany	0800 181 6065
Local toll free number France	0800 914 478
Local toll free number Italy	800 781 145
Local toll free number UK	08081 013885

All others countries:

International toll free number	00800 18 23 53 22
International not toll free number	+31 555 384 245

Please, contact your Distributor, Sales Organization or HERE before submitting a field claim

Issue	Solution
The update of system software fails or map data fails	➢ You might have not formatted the SD card / USB properly. Please, refer to **slides 18, 19 and 20**. Also, please note that GEN 2.0, GEN 4.0 and iAVN systems only recognize SD cards with max 32GB (**slide 19**) ➢ You might have not copied the files correctly. Please, refer to **slides from 21 to 30** ➢ To check the general update process per platform, please, refer to **section 3**
Download speed is slow	➢ Your internet connection might be too slow. Please, try to download single files only instead of all files at once. You can also schedule downloads for hours of low frequency of your business (e.g. over night) ➢ To check estimated download size per platform, please, refer to **slide 8**
The SD card is not recognized by the system	➢ You might have not formatted the SD card / USB properly. Please, refer to **slides 18, 19 and 20**. Also, please note that GEN 2.0, GEN 4.0, pGEN 2.0 and GEN 5.0 systems only recognize SD cards with max 32GB (**slide 19**) ➢ You might have not copied the files correctly. Please, refer to **slides from 21 to 30** ➢ To check a detailed overview of file size, please refer to **slides 8 and 19** ➢ To check a detailed overview of files names per platform, please refer to **slides 11 to 15 and slide 21**