

2017 MapCare Manual for Dealer

v5.0

2017 Map Update Manual

This document is split into three sections:

- Downloading the map updates
Slides 3-24
- Creating your Service Tool Kit
Slides 25-65
- Updating the vehicles
Slides 66-89

2017 MapCare update Download Manual

Agenda

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2. Download Page
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4. Navigation Platforms
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 - 4.2 Gen 2.0 Platform
 - 4.3 Gen 4.x Platform
 - 4.4 iAVN Platform
 - 4.5 Downloading all platforms
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6. Order review and eMail option
7. Export Control Terms and Terms of Use
8. Downloading the files

1. Required Software and Memory on PC

1. Required Software and Memory on PC

- Software needed for Download
 - Windows 7 and newer
 - Web browser like FireFox, Chrome or Internet Explorer
 - Unzipping tool
 - WinZIP Version 14.0
 - WinRar Version 5.2 and 5.4
 - 7ZIP 16.04

Please do not use the tool inside Windows 7. In course of the manual. “WinZIP” is used as generalization for the extraction tool. Tool dialogs may vary.
- Hard Drive Space (all platforms add up to 98 GB)
 - Map data files need to be stored on PC for copying to Vehicle SD card
 - System Software will be copied one time to separate SD card or USB stick

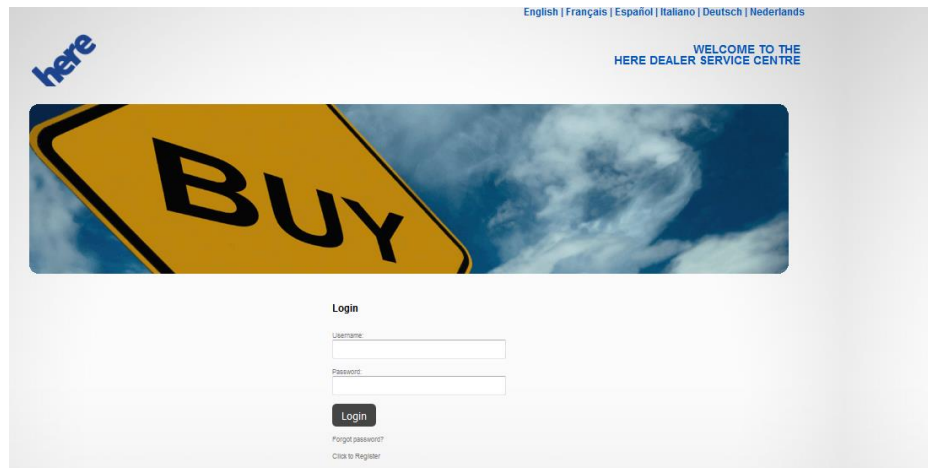
Platform	Component	Size
Kia Gen 1.x (5.1.3)	Map Data and Software	3.15 GB
Kia Gen 1.x 2017 Update	Map Data and Software	4.82 GB
Kia Gen 2.0 2017 Update	Map Data	6.92GB
	System Software	2.79 GB
Kia Gen 4.x 2017 Update	Map Data	11.10 GB
	System Software	5.50 GB
Kia iAVN 2017 Update	Map Data	14.60 GB
	System Software	1.00 GB

2. Download Page

2. Download Page

HERE provides the MapCare update on a special download page:
www.navigation.com/is-bin/INTERSHOP.enfinity/WFS/Navteq-DealerEMEA-Site/en_GB/

Username and Password for DOC remain. Please contact HERE if you need to request new credentials.



The screenshot shows the login page for the HERE Dealer Service Centre. At the top, there is a language selection bar with links for English, Français, Español, Italiano, Deutsch, and Nederlands. Below this, the HERE logo is on the left, and the text 'WELCOME TO THE HERE DEALER SERVICE CENTRE' is on the right. A large banner image features a yellow 'BUY' sign against a blue sky with clouds. The login section is centered and includes a 'Login' heading, a 'Username' input field, a 'Password' input field, and a 'Login' button. Below the button are links for 'Forgot password?' and 'Click to Register'.

3. Overview Page

3. Overview Page

The overview page display all available Navigation platforms:

- Gen 1.x Platform
- Gen 2.0 Platform
- Gen 4.x Platform
- iAVN Platform
- All Software System Software

Each platform is split into System Software and Map data download, only Gen 1.x Files include Software and Map.

For convenience, HERE is offering the download of all System Software in one file.

If you like to request multiple platforms, please refer to page 14.

4.

Navigation Platforms

4.1 Gen 1.x Platform

Step 1:

Please click on Tab “Gen 1.x Map Master Files and System Software”

You will have the selection of two Gen 1.x software packages available.

Step 2:

Kia Gen 1.x 2017 is the latest System Software and Map update. In most cases, you only need to download this package. The file name is Kia_Gen1x_2017.zip

Kia 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. For more information, please consult TSB KGE12-92-P140-YNEDSLXMTFUBQB.

Step 3:

To request the personal download link, please add “1” into the QTY field and click “Add to basket”.

4.2. Gen 2.0 Platform

Step 1:

Please click on Tab “Gen 2.0 Map Master Files and System Software”

You need to download Kia Gen 2.0 Map 2017 and Kia Gen 2.0 Software 2017. Installing only one of the files will lead to a not working navigation unit.

Step 2:

Kia Gen 2.0 Map 2017 is the latest **Map update**. The file name is Kia_Gen2_Map_2017.zip

Kia Gen 2.0 Software is the latest System **Software update**. The file name is Kia_Gen2_Software_2017.zip

Step 3:

To request the personal download link, please add “1” into the QTY field and click “Add to basket”.

4.3. Gen 4.x Platform

Step 1:

Please click on Tab “Gen 4.x Map Master Files and System Software”

You need to download Kia Gen 4.x Map 2017 and Kia Gen 4.x Software 2017. Installing only one of the files will lead to a not working navigation unit.

Step 2:

Kia Gen 4.x Map 2017 is the latest **Map update**. The file name is Kia_Gen4_Map_2017.zip

Kia Gen 4.x Software is the latest System **Software update**. The file name is Kia_Gen4_Software_2017.zip

Step 3:

To request the personal download link, please add “1” into the QTY field and click “Add to basket”.

4.4. iAVN Platform

Step 1:

Please click on Tab “iAVN Map Master Files and System Software”

You need to download Kia iAVN Map 2017 and Kia iAVN Software 2017. Installing only one of the files will lead to a not working navigation unit.

Step 2:

Kia iAVN Map 2017 is the latest **Map update**. The file name is Kia_iAVN_Map_2017.zip

Kia iAVN Software is the latest System **Software update**. The file name is Kia_iAVN_Software_2017.zip

Step 3:

To request the personal download link, please add “1” into the QTY field and click “Add to basket”.

4.5. Downloading 2017 System Software for all Platforms

Step 1:

Please click on Tab “Gen X All Software”.

You need to download Kia Gen X all Software 2017.

The total file size is approx. 15 GB.

Step2:

To request the personal download link, please add “1” into the QTY field for Map and Software and click “Add to basket”.

5. Checkout process

5. Checkout process

After clicking on “Add to Basket” the product will appear in your Shopping basket.

To proceed, please click “Checkout”

After clicking on “Checkout”, your Basket will appear and you are able to review. Please do not enter a quantity above 1. If everything is correct, please click “Checkout”.

6.

Order review and eMail option

6. Order review and eMail option

On this page you are able to receive an order confirmation.

Please be informed, that you will not get billed or charged by HERE for the download.

The download per platform needs to be done ONCE, the downloaded files can be reused for multiple updates.

Please click on "Continue".

7.

Export Control Terms and Terms of Use

7. Export Control Terms and Terms of Use

Please check the “[Export Control Terms and Terms of Use](#)” after reading the terms.

Using or exporting the map data to Turkey is illegal.

After clicking “Submit Order”, you will be directed to the download page.

8.

Downloading and saving the files

8. Downloading and saving the files

By clicking the download link, you will start downloading the ZIP file.

Please save the file to a location you have access to. We recommend to maintain the same folder for all files.

“Creating the STK” manual will guide you through the steps necessary after download.

2017 MapCare update Manual for Service Tool Kit Creation

1. Preparing the Service Tool Kit (STK)

1. Preparing the Service Tool Kit (STK)

2017 system software and map updates have been made available as download to you.

As highlighted in the Download Manual, each platform is split into Software and Map data.

The software needs to be copied to a media (SD Card or USB stick) one time only.

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

The map data files need to stay on your computer. 2017 Map Data needs to be copied to vehicle SD card for every update.

1.1 Preparing the Service Tool Kit (STK)

This manual documents the steps in detail for each platform.

For all systems, the process is the same.

1. Download the files
2. Extract the files to your hard drive
3. Copy the files to SD card and/or USB stick

We suggest to create 2 different media:

1. One SD card containing
 - Gen 1.x 2017
 - Gen 2.0 2017 System Software
 - Gen 4.x 2017 System Software
 - iAVN 2017 System Software
2. One USB stick containing Gen 1.x 5.1.3

Please continue on next slide for more information.

2. Required Media

2. Required Media

Platform	Media	Size	Comment
Kia Gen 1.x (5.1.3)	USB Stick	8 GB	HERE provided a 8 GB USB stick with 2015 STK. Please use it for this software version. If you need to purchase a new USB stick, a common consumer grade version, e.g. Intenso 8 GB USB-Stick, is sufficient.
Kia Gen 1.x 2017 Update	SD Card	32 GB	HERE provided 32GB SD cards with 2016 update. You are able to reuse the SD card for the 2017 Map update. 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. This manual will explain how to create one SD card containing 2017 software versions of Gen 1.x. Gen 2.0. Gen 4.x and iAVN platforms. If your PC does not have a SD card slot, you can reuse the USB to SD card adapter we provided with the 2016 Update. In case you need to purchase an adapter, please purchase TRANSCEND RDF5 Card Reader or similar.
Kia Gen 2.0 2017 Update			
Kia Gen 4.x 2017 Update			
Kia iAVN 2017 Update			

3.

Preparing USB and SD cards

3. Preparing USB and SD cards

Step 1:
Insert SD card or USB
stick in PC

Step 2:
Right click SD card or
USB drive

Step 3:
Format the SD card or USB drive in FAT32

Name	Date modified	Type	Size
BOOTLOADER	11/11/2016 10:46	File folder	
System	11/11/2016 10:46	File folder	
Aberaham.exe	8/9/2016 11:28	Application	7,048 KB
Abraham.exe	8/9/2016 11:29	Application	7,048 KB
Checksums.md5	10/19/2016 2:43	MD5 File	2 KB
dummy.mp3	5/26/2015 1:47	VLC media file (.mp3)	0 KB
lge.upgrade	5/26/2015 1:47	UPGRADE File	1 KB
upgrade	5/26/2015 1:47	File	0 KB
upgrade.lgu	8/9/2016 2:05	LGU File	802,925 KB
upgrade_A_map	7/19/2016 7:50	MAP File	1,596,539 KB
upgrade_B_map	7/19/2016 9:21	MAP File	2,615,495 KB

Name	Date modified	Type	Size
BOOTLOADER	11/11/2016 10:46	File folder	
System	11/11/2016 10:46	File folder	
Aberaham.exe	8/9/2016 11:28	Application	7,048 KB
Abraham.exe	8/9/2016 11:28	Application	7,048 KB
Checksums.md5	10/19/2016 2:43	MD5 File	2 KB
dummy.mp3	5/26/2015 1:47	VLC media file (.mp3)	0 KB
lge.upgrade	5/26/2015 1:47	UPGRADE File	1 KB
upgrade	5/26/2015 1:47	File	0 KB
upgrade.lgu	8/9/2016 2:05	LGU File	802,925 KB
upgrade_A_map	7/19/2016 7:50	MAP File	1,596,539 KB
upgrade_B_map	7/19/2016 9:21	MAP File	2,615,495 KB

Removable Disk (F:)

Expand

Turn on BitLocker

Open AutoPlay...

Open in new window

Pin to Quick access

Share with

Open as Portable Device

7-Zip

CRC SHA

Include in library

Scan with Malwarebytes Anti-Malware

Pin to Start

Format...

Format Removable Disk (F:)

Capacity: 14.9 GB

File system: FAT32 (Default)

Allocation unit size: 8192 bytes

Restore device defaults

Volume label

Format options

Quick Format

Start

Close

4.

Locating the 2017 Map Update files

4. Locating the 2017 Map Update files

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

The file names are:

Platform	Component	File Name
Kia Gen 1.x (5.1.3)	Map Data and Software	Kia_Gen1x_5_1_3.zip
Kia Gen 1.x 2017 Update	Map Data and Software	Kia_Gen1x_2017.zip
Kia Gen 2.0 2017 Update	Map Data	Kia_Gen2_Map_2017.zip
	System Software	Kia_Gen2_Software_2017.zip
Kia Gen 4.x 2017 Update	Map Data	Kia_Gen4_Map_2017.zip
	System Software	Kia_Gen4_Software_2017.zip
Kia iAVN 2017 Update	Map Data	Kia_iAVN_Map_2017.zip
	System Software	Kia_iAVN_Software_2017.zip

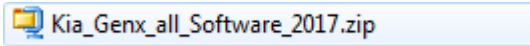
5. Preparing 2017 STK with Kia_Genx_all_Software_2017

5. Preparing 2017 STK with Kia_Genx_all_Software_2017

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. Please extract the **SOFTWARE** file only at this point.

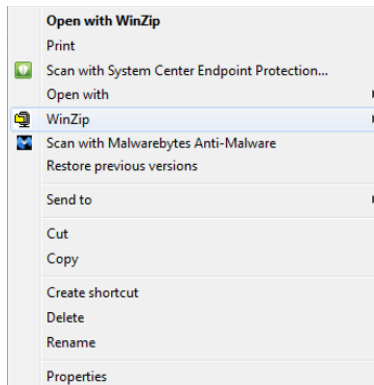
Step 1:

Please open the folder with the downloaded ZIP files and locate the
Kia_Genx_all_Software_2017.zip



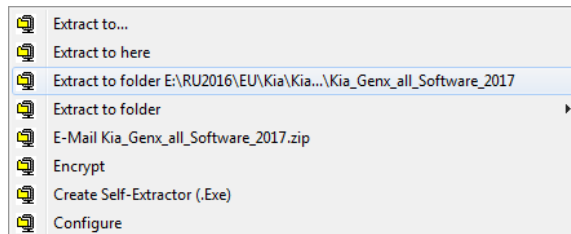
Step 2:

Right click on the file and select “WinZip”



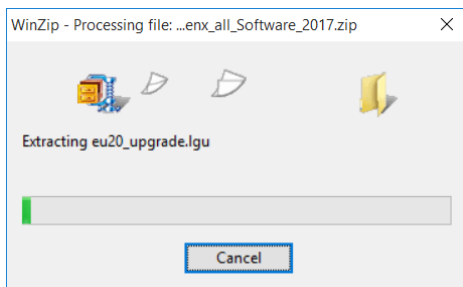
Step 3:

Select “Extract to folder”.
WinZip will now extract the files to a new folder named like the navigation platform.

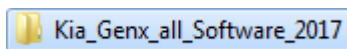


5.1 Preparing the 2017 STK with Kia_Genx_all_Software_2017

Step 4:
WinZip is now extracting the files.

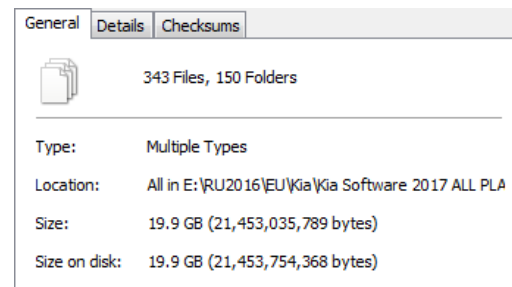


Step 5:
The new folder is visible now.



Step 6:
Double Click the folder to open it until you see the files

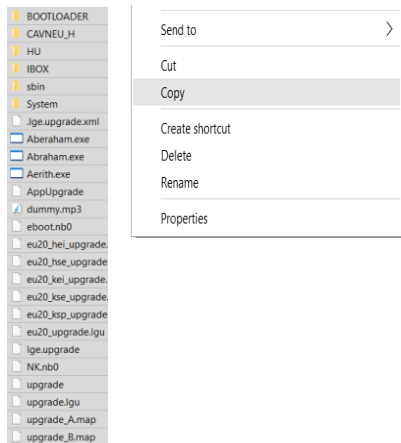
- BOOTLOADER
- CAVNEU_H
- HU
- TBOX
- skin
- System
- ☐ lge_upgrade.xml
- ☐ Abraham.exe
- ☐ Abraham.exe
- ☐ Aerith.exe
- ☐ Applgrade
- ☐ dummy.mp3
- ☐ eboot.rnb0
- ☐ eu20_hes_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ eu20_hse_upgrade.lgu
- ☐ lge_upgrade
- ☐ NK.rnb0
- ☐ upgrade
- ☐ upgrade.lgu
- ☐ upgrade_A.map
- ☐ upgrade_B.map



5.2 Preparing the 2017 STK with Kia_Genx_all_Software_2017

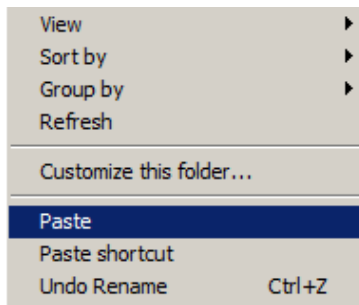
Step 7:

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 Gen 1.x, Gen 2.0, Gen 4.0 and iAVN system software to 2017 version.

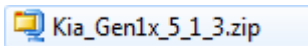
6. Kia Gen 1.x 5.1.3 Update

6. Kia Gen 1.x 5.1.3 Update

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 2017 update afterwards. **You need to prepare a separate USB stick for this version.**

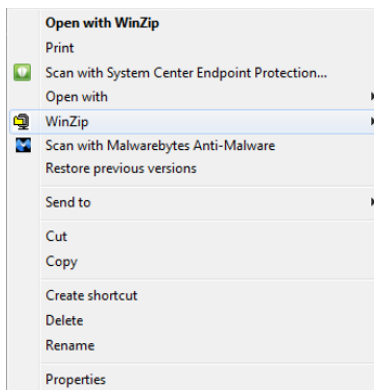
Step 1:

Please open the folder with the downloaded ZIP files



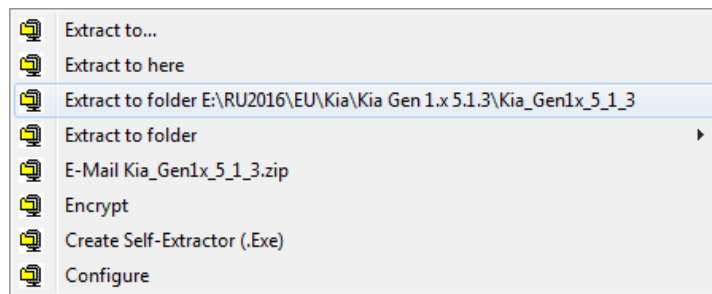
Step 2:

Right click on the Kia_Gen1x_2017.zip file and select "WinZip"



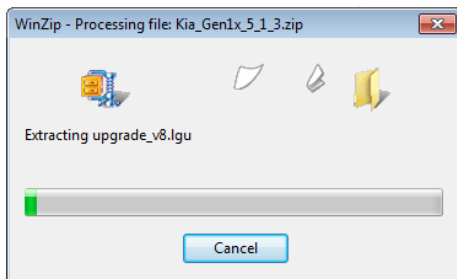
Step 3:

Select "Extract to folder". WinZip will now extract the files to a new folder named like the navigation platform.

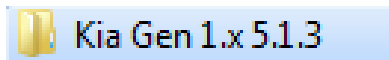


6.1 Kia Gen 1.x 5.1.3 Update

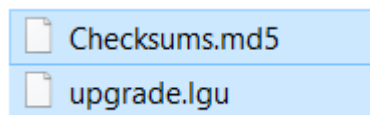
Step 4:
WinZip is now extracting the files.



Step 5:
The new folder is visible now.

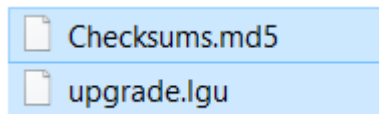


Step 6:
Double Click the folder to open it until you see the files

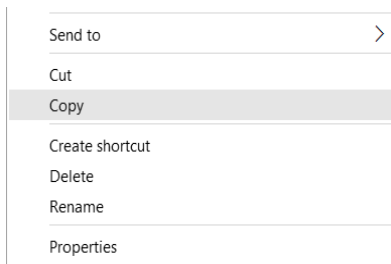


6.2 Kia Gen 1.x 5.1.3 Update

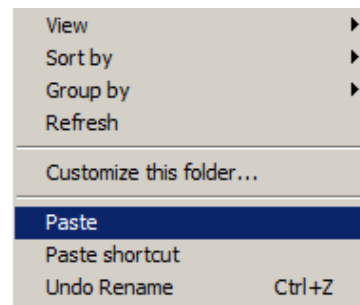
Step 7:
Select the files in the
folder



Step 8:
Right click on the
marked files and select
“Copy”



Step 9:
Please right click and paste the data on
the USB stick.



6.3 Kia Gen 1.x 5.1.3 Update

Step 11:

The USB stick will contain:

 Checksums.md5	10/18/2016 3:58 PM	MD5 File	1 KB
 upgrade.lgu	9/2/2014 9:33 AM	LGU File	2,962,934 KB

7.

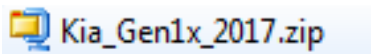
Kia Gen 1.x 2017 Update

7. Kia Gen 1.x 2017 Update

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.

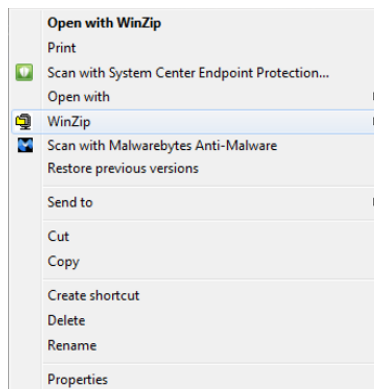
Step 1:

Please open the folder with the downloaded ZIP files



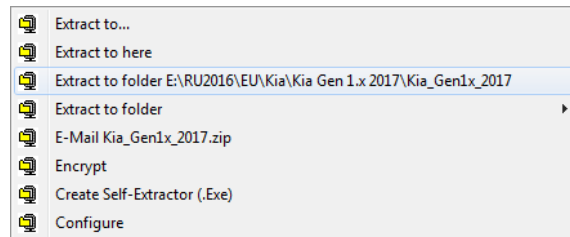
Step 2:

Right click on the Kia_Gen1x_2017.zip file and select "WinZip"



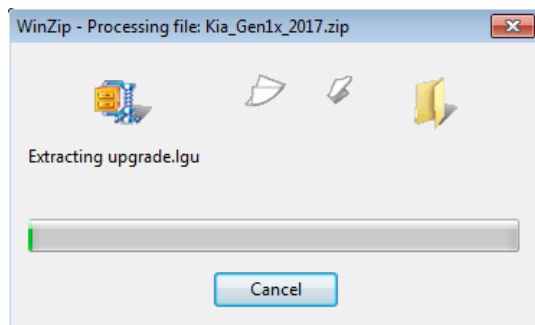
Step 3:

Select "Extract to folder". WinZip will now extract the files to a new folder named like the navigation platform.

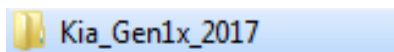


7.1 Kia Gen 1.x 2017 Update

Step 4:
WinZip is now extracting the files.



Step 5:
The new folder is visible now.

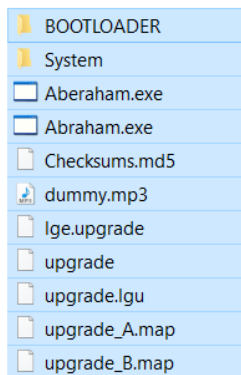


Step 6:
Double Click the folder to open it until you see the files

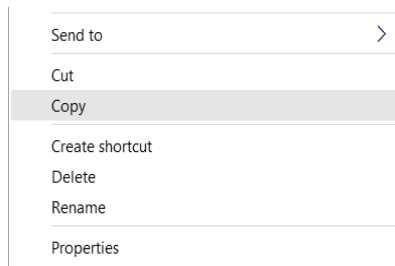
BOOTLOADER	11/23/2016 3:47 PM	File folder	
System	11/23/2016 3:47 PM	File folder	
Aberaham.exe	8/9/2016 11:28 AM	Application	7,048 KB
Abraham.exe	8/9/2016 11:29 AM	Application	7,048 KB
Checksums.md5	10/19/2016 2:43 PM	MD5 File	2 KB
dummy.mp3	5/26/2015 1:47 PM	MP3 Format Sound	0 KB
lge.upgrade	5/26/2015 1:47 PM	UPGRADE File	1 KB
upgrade	5/26/2015 1:47 PM	File	0 KB
upgrade.lgu	8/9/2016 2:05 PM	LGU File	802,925 KB
upgrade_A.map	7/19/2016 7:50 AM	MAP File	1,596,539 ...
upgrade_B.map	7/19/2016 9:21 AM	MAP File	2,615,495 ...

7.2 Kia Gen 1.x 2017 Update

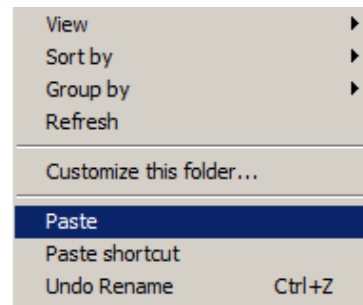
Step 7:
Select the files in the folder



Step 8:
Right click on the marked files and select "Copy"



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



Step 10:
It is possible to copy Gen 1.x 2017, Gen 2.0 software, Gen 4.0 software and iAVN software on one SD card.

8.

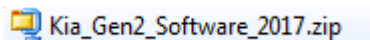
Kia Gen 2.0 2017 Update

8. Kia Gen 2.0 2017 Update

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.

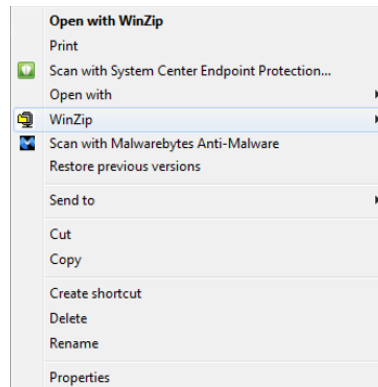
Step 1:

Please open the folder with the downloaded ZIP files



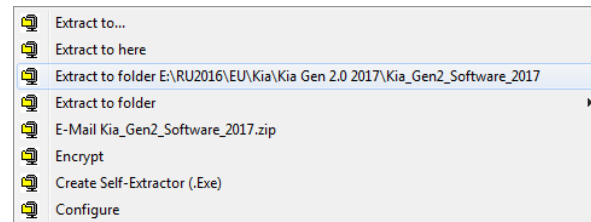
Step 2:

Right click on the file **Kia_Gen2_Software_2017.zip** extract and select “WinZip”



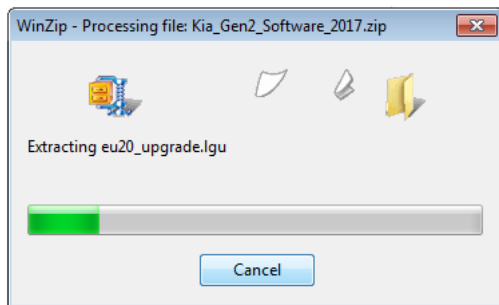
Step 3:

Select “Extract to folder”.
WinZip will now extract the files to a new folder named like the navigation platform.

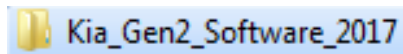


8.1 Kia Gen 2.0 2017 Update

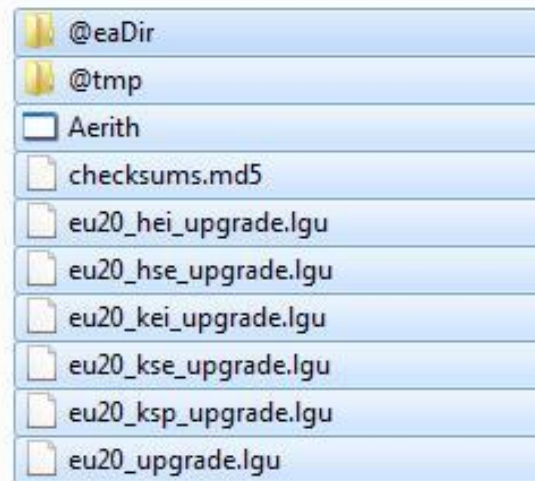
Step 4:
WinZip is now extracting the files.



Step 5:
The new folder is visible now.



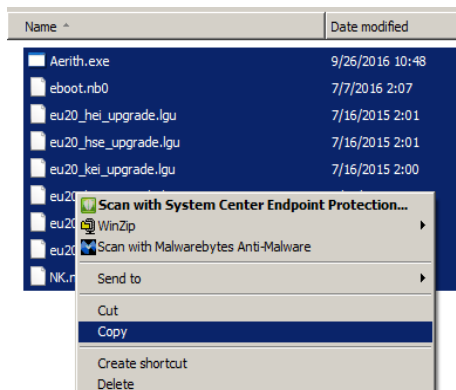
Step 6:
Double Click the folder to open it until you see the files



8.2 Kia Gen 2.0 2017 Update

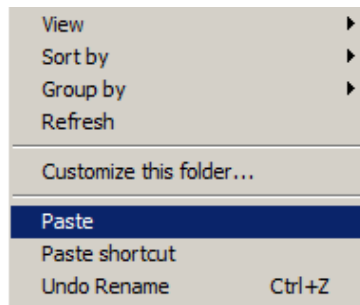
Step 7:

Select all files and
Right click on the
marked files and select
“Copy”



Step 8:

Please right click
and paste the data
on the SD card.



Step 9:

It is possible to copy
Gen 1.x 2017,
Gen 2.0 software,
Gen 4.0 software
and iAVN software
on one SD card.

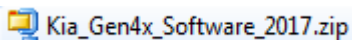
9.

Kia Gen 4.x 2017 Update

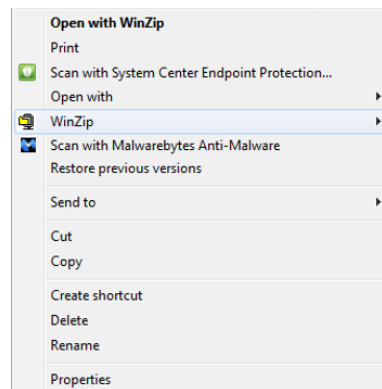
9. Kia Gen 4.x 2017 Update

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. Please extract the **SOFTWARE** file only at this point.

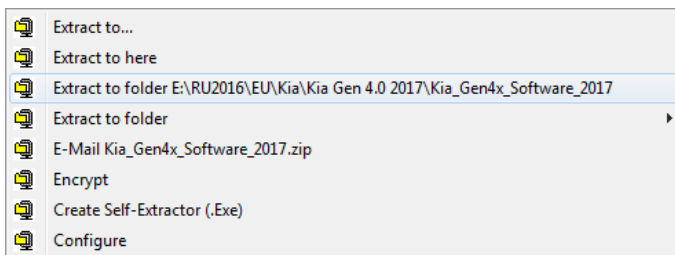
Step 1:
Please open the folder
with
the downloaded ZIP
files



Step 2:
Right click on the file
Kia_Gen4.x_Software_2017.zip
extract and select “WinZip”

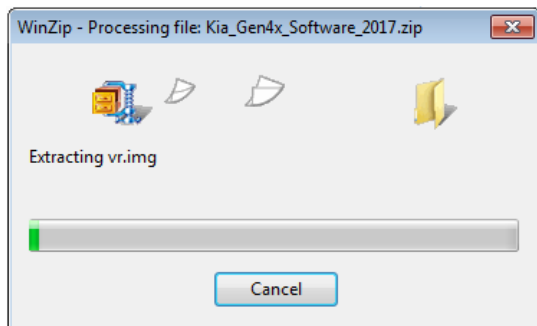


Step 3:
Select “Extract to folder”.
WinZip will now extract the files to a new
folder named like the navigation platform.

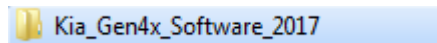


9.1 Kia Gen 4.x 2017 Update

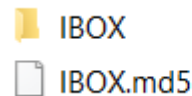
Step 4:
WinZip is now extracting the files.



Step 5:
The new folder is visible now.



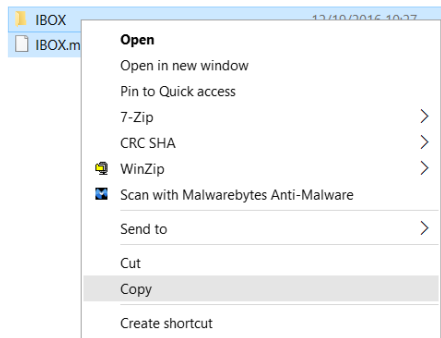
Step 6:
Double Click the folder to open it until you see the files



9.2 Kia Gen 4.x 2017 Update

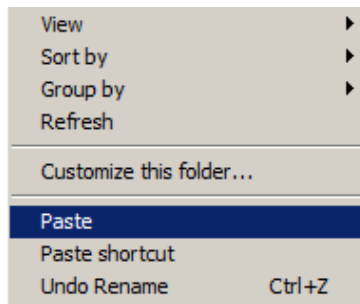
Step 7:

Select the files in the folder. Right click on the marked files and select “Copy”



Step 8:

Please right click and paste the data on the SD card.



Step 9:

It is possible to copy Gen 1.x 2017, Gen 2.0 software, Gen 4.0 software and iAVN software on one SD card.

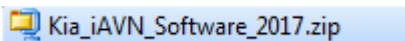
10. Kia iAVN 2017 Update

10. Kia iAVN 2017 Update

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.

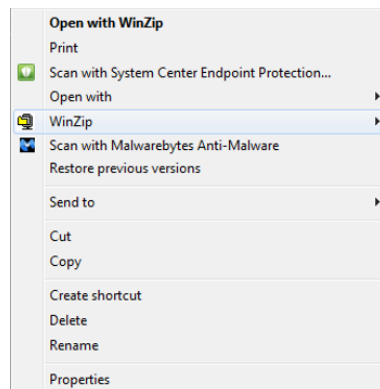
Step 1:

Please open the folder with the downloaded ZIP files



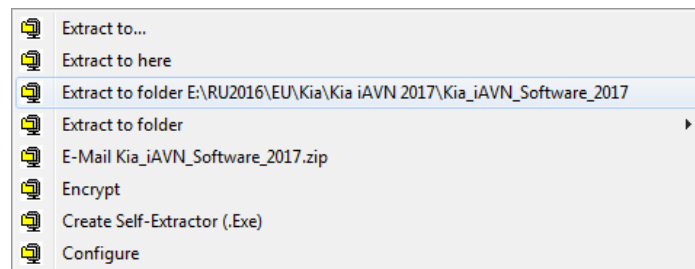
Step 2:

Right click on the file **Kia_iAVN_Software_2017.zip** extract and select “WinZip”



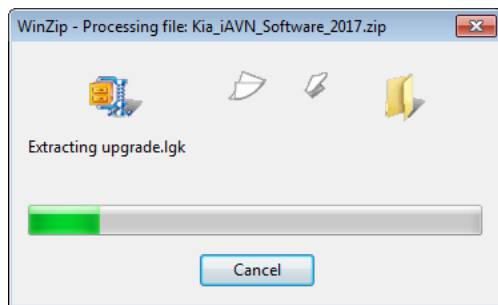
Step 3:

Select “Extract to folder”.
WinZip will now extract the files to a new folder named like the navigation platform.

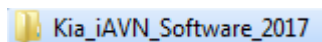


10.1 Kia iAVN 2017 Update

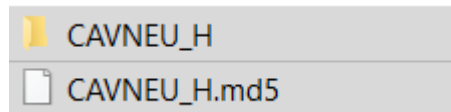
Step 4:
WinZip is now extracting the files.



Step 5:
The new folder is visible now.



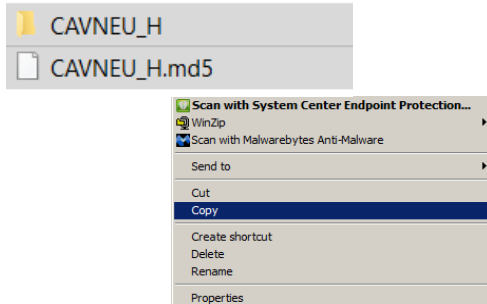
Step 6:
Double Click the folder to open it until you see the file



10.2 Kia iAVN 2017 Update

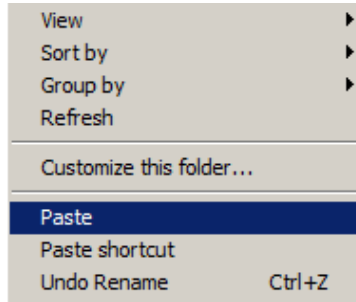
Step 7:

Select the files in the folder, right click on the marked files and select “Copy”



Step 8:

Please right click and paste the data on the SD card.



Step 9:

It is possible to copy Gen 1.x 2017, Gen 2.0 software, Gen 4.0 software and iAVN software on one SD card.

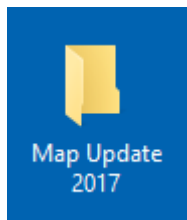
11.

Creating the Map Data folder

11. Creating the Map Data folder

Step 1:

Please create a new folder on your computer and name it "Map Update 2017"



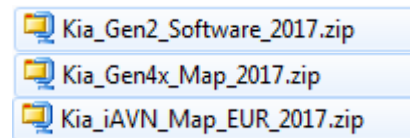
Step 2:

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

- Gen 2.0
- Gen 4.x
- iAVN

Step 3:

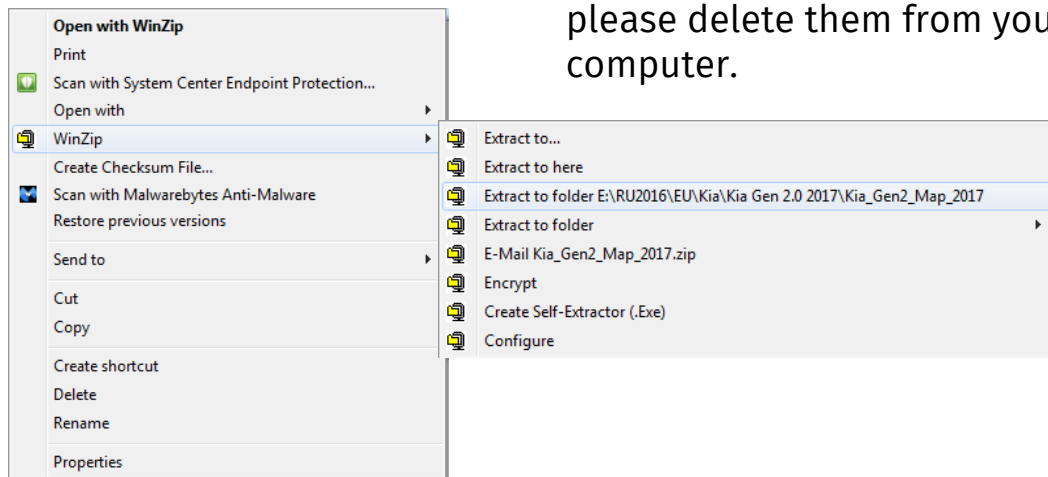
Copy the downloaded Map Data files into this folder. You will need approx. 34 GB of hard disk space.



11.1 Creating the Map Data folder

Step 4:

Right click on each of the files to extract and select “WinZip”



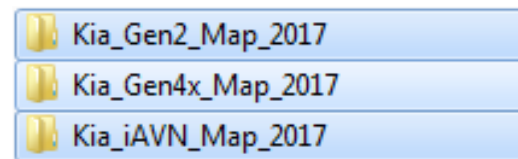
Step 5:

Please repeat Step 4 for each ZIP file.

After extracting the ZIP files, please delete them from your computer.

Step 6:

After extraction of the files, you will see the following Map Data folders:



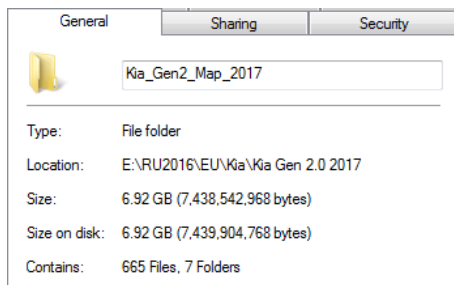
12.

Verifying Map Data files

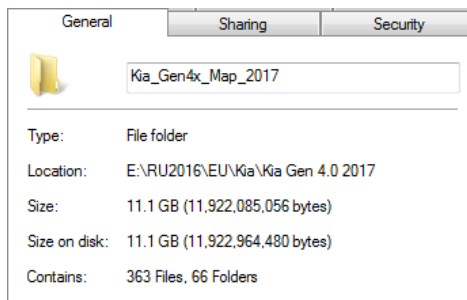
12. Verifying Map Data files

Please right click on the individual map data folder and select “Properties”

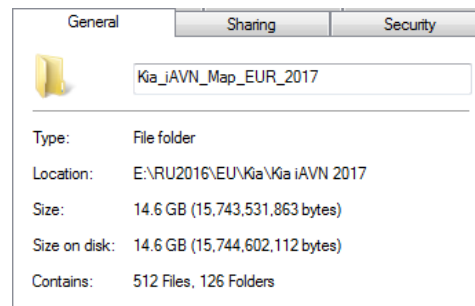
Gen2



Gen 4.x



iAVN



2017 MapCare update

Vehicle update manual

AVN Platform/Car lines overview



The Power to Surprise

AVN Platform	Display size	Vehicle (MY)
EU AVN1.0	6 inch	XM (2010~2012) / YN (2009~2014) ED (2009~2012)
	7 inch	SL (2010~2013)
EU AVN1.5	7 inch	XMFL (2012~2014) / TF (2011~2015) UB (2011~2014) / RP (2012~2016) SLFL (2013~2015) / JD (2012~2015)
EU AVN2.0	7 inch	Sorento (2014~2016) / Rio (2014~2016) Venga (2014~) / Picanto (2015~2016) Ceed (2015~2016) / Optima (2015~2016)
	8 inch	Optima(2015~2016)
Standard Gen 4.0	8 inch	SOUL (2014~2016) / SOUL EV (2015~2016) Optima (2014~2016) / Optima HEV (2015~2016) Sorento (2015~2016)
iAVN	8 inch	RP MY17/ JD MY17 / Niro Optima MY17 / Optima Plug-in Hybrid Soul MY17 / QL MY17 / UM MY18 / JA / YB

EU AVN Gen 1.x update



The Power to Surprise

AVN Platform	Display size	Vehicle (MY)
EU AVN1.0	6 inch	XM (2010~2012) / YN (2009~2014) ED (2009~2012)
	7 inch	SL (2010~2013)
EU AVN1.5	7 inch	XMFL (2012~2014) / TF (2011~2015) UB (2011~2014) / RP (2012~2016) SLFL (2013~2015) / JD (2012~2015)
EU AVN2.0	7 inch	Sorento (2014~2016) / Rio (2014~2016) Venga (2014~) / Picanto (2015~2016) Ceed (2015~2016) / Optima (2015~2016)
	8 inch	Optima(2015~2016)
Standard Gen 4.0	8 inch	SOUL (2014~2016) / SOUL EV (2015~2016) Optima (2014~2016) / Optima HEV (2015~2016) Sorento (2015~2016)
iAVN	8 inch	RP MY17/ JD MY17 / Niro Optima MY17 / Optima Plug-in Hybrid Soul MY17 / QL MY17 / UM MY18 / JA / YB

AVN 1.x – existing TSB's

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



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

AVN 1.x - Step 1 - in Vehicle System Software and Map Upgrade (Duration <90 min)

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



- The system will automatically recognize the new system software and display current and new software information

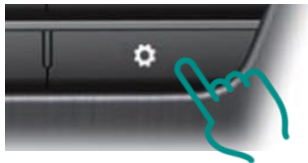


- Press [OK] then [Agree] to proceed
- The system will start performing the upgrade for both the system and the map

AVN 1.x - Step 4 - in Vehicle

Check Map and Software Version (Duration <1 min)

- Long press on the [SETTINGS] button.



- Check the software and map versions



Gen1.x	System version	7.7.4
	Navigation version	EU.09.46.67
	Map database version	415E7AB

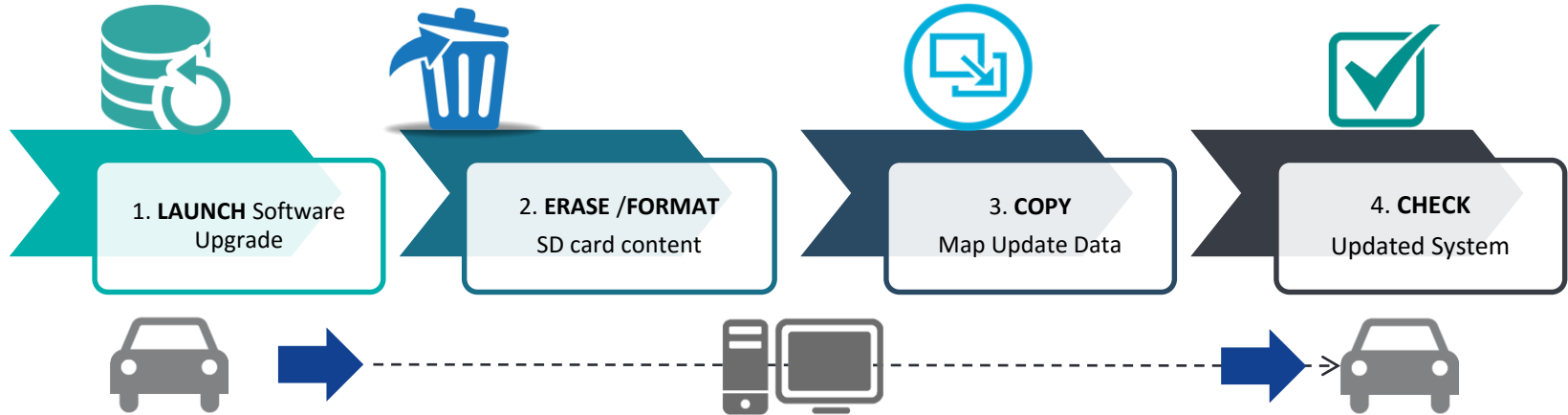
EU AVN Gen 2.0 update



The Power to Surprise

AVN Platform	Display size	Vehicle (MY)
EU AVN1.0	6 inch	XM (2010~2012) / YN (2009~2014) ED (2009~2012)
	7 inch	SL (2010~2013)
EU AVN1.5	7 inch	XMFL (2012~2014) / TF (2011~2015) UB (2011~2014) / RP (2012~2016) SLFL (2013~2015) / JD (2012~2015)
EU AVN2.0	7 inch	Sorento (2014~2016) / Rio (2014~2016) Venga (2014~) / Picanto (2015~2016) Ceed (2015~2016) / Optima (2015~2016)
	8 inch	Optima(2015~2016)
Standard Gen 4.0	8 inch	SOUL (2014~2016) / SOUL EV (2015~2016) Optima (2014~2016) / Optima HEV (2015~2016) Sorento (2015~2016)
iAVN	8 inch	RP MY17/ JD MY17 / Niro Optima MY17 / Optima Plug-in Hybrid Soul MY17 / QL MY17 / UM MY18 / JA / YB

4 Steps for Map Update Process



AVN 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



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

- If the screen remains black, make sure to click the "On" Button once
- 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.



In some cases „Invalid MapVersion“ appears. This is caused by the removal of Map SD Card and has no impact on the software update.

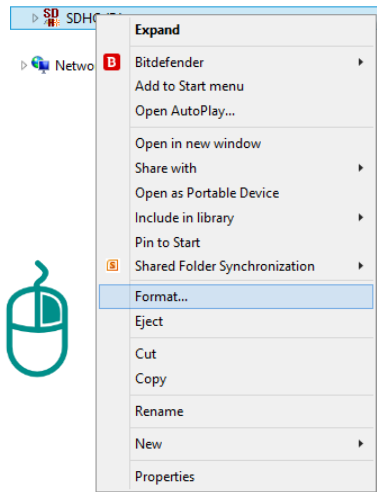
AVN 2.0 - Step 2 - on PC

Format "Customer's SD Card" (Duration <5 sec)

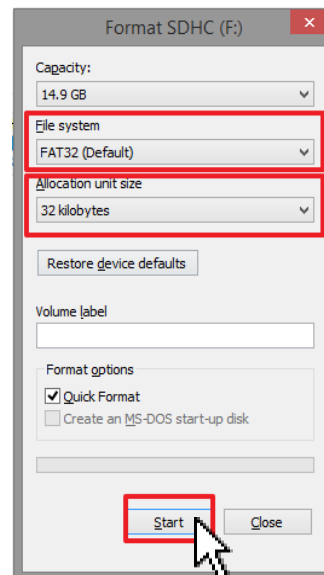
- Check that the Map SD is unlocked
- **Insert** the card in the SD slot of your computer



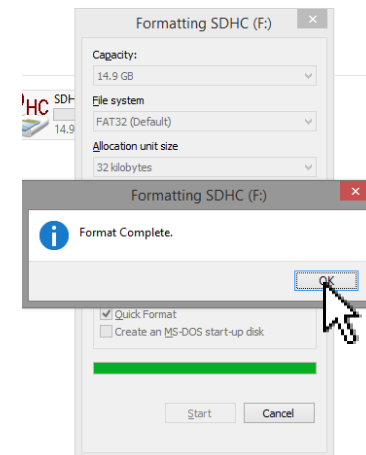
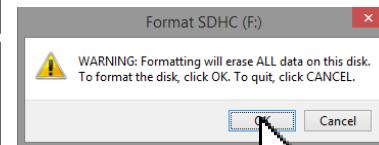
- Select SD card drive and click the right mouse button and click **[Format]**



- Use the following settings:
Files System: FAT32 (Default)
Allocation unit size: 32KB
- Click **[Start]** button



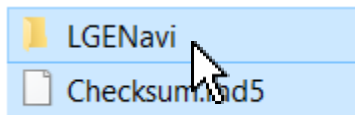
- Start format by clicking **[OK]**
- When format is done click **[OK]**
- Duration: < 5 sec



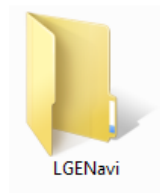
AVN 2.0 - Step 3 - on PC

Copy Map Data to Customer's SD Card (Duration <20 min)

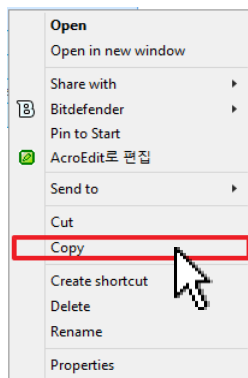
- Open the AVN2.0 map folder on your PC



- Select [LGENavi]

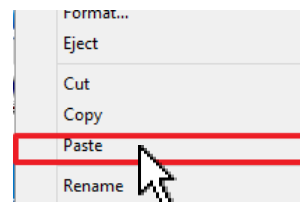
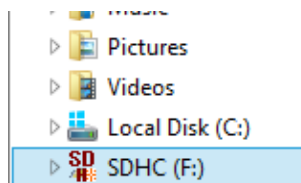


- Click right mouse button and left click on "COPY".

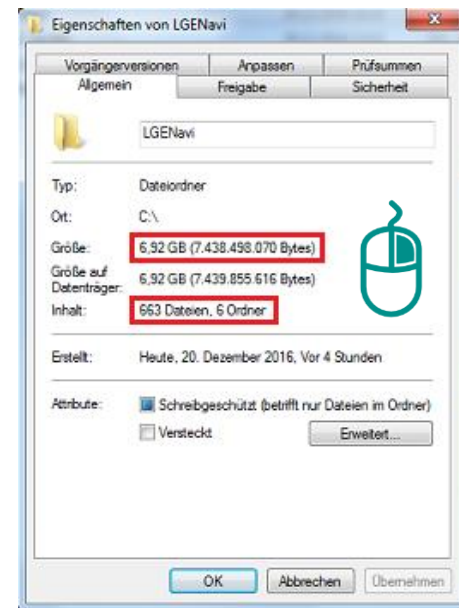


- Right click on the SD card drive and click on "PASTE" to copy the map on the SD Card.
- Copying the map will start
- Duration: < 20 min

**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.



AVN 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
- System will reboot
- Long press on the [SETTINGS] button.



- Check the software and map versions



EU AVN2.0	System ver.	XX.EU.SOP.XX.166
	NAVI app ver.	XX.EU.SOP.09.49.47
	Map ver.	EUR.09.44.65.001.001(D.C2)

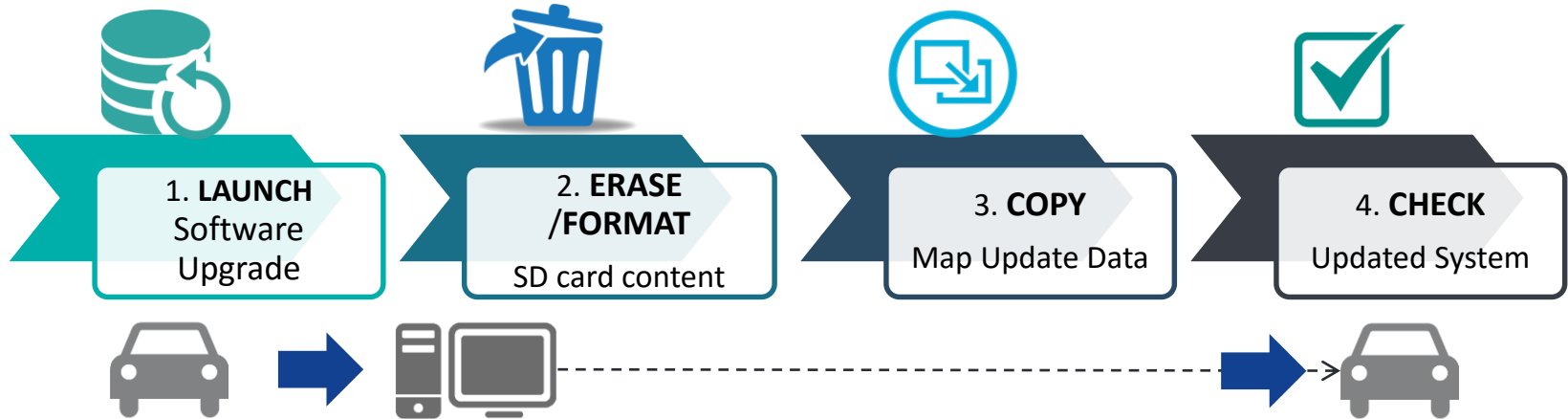
Gen 4.0 update



The Power to Surprise

AVN Platform	Display size	Vehicle (MY)
EU AVN1.0	6 inch	XM (2010~2012) / YN (2009~2014) ED (2009~2012)
	7 inch	SL (2010~2013)
EU AVN1.5	7 inch	XMFL (2012~2014) / TF (2011~2015) UB (2011~2014) / RP (2012~2016) SLFL (2013~2015) / JD (2012~2015)
EU AVN2.0	7 inch	Sorento (2014~2016) / Rio (2014~2016) Venga (2014~) / Picanto (2015~2016) Ceed (2015~2016) / Optima (2015~2016)
	8 inch	Optima(2015~2016)
Standard Gen 4.0	8 inch	SOUL (2014~2016) / SOUL EV (2015~2016) Optima (2014~2016) / Optima HEV (2015~2016) Sorento (2015~2016)
iAVN	8 inch	RP MY17/ JD MY17 / Niro Optima MY17 / Optima Plug-in Hybrid Soul MY17 / QL MY17 / UM MY18 / JA / YB

4 Steps for Map Update Process



Gen 4.0 - Step 1 - in Vehicle System Software Upgrade (Duration <20 Min)

Remove Map SD card from the slot

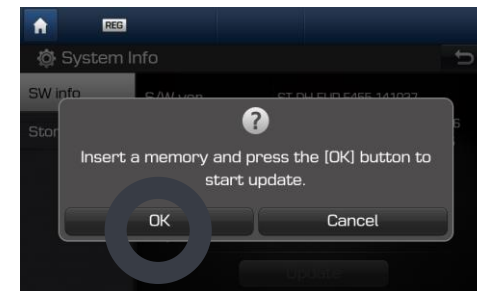


Unlock



and insert unlocked SD Card
into SD Card slot

- Press [SETTINGS] button once->
- Scroll down to [SYSTEM INFO] and press the icon



- 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

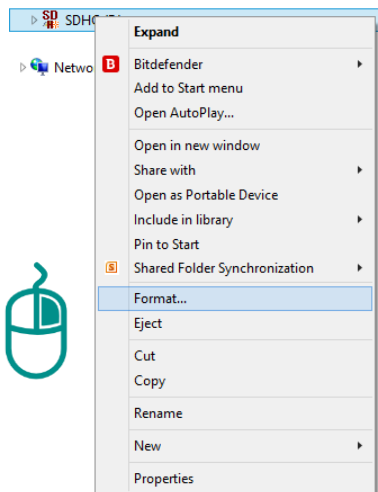
Gen 4.0 - Step 2 - on PC

Format “Customer’s SD Card” (Duration <5 sec)

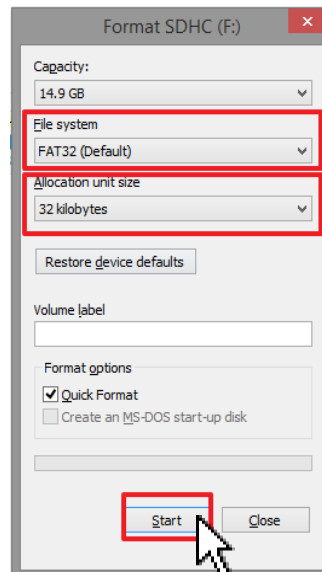
- Check that the Map SD is unlocked
- **Insert** the card in the SD slot of your computer



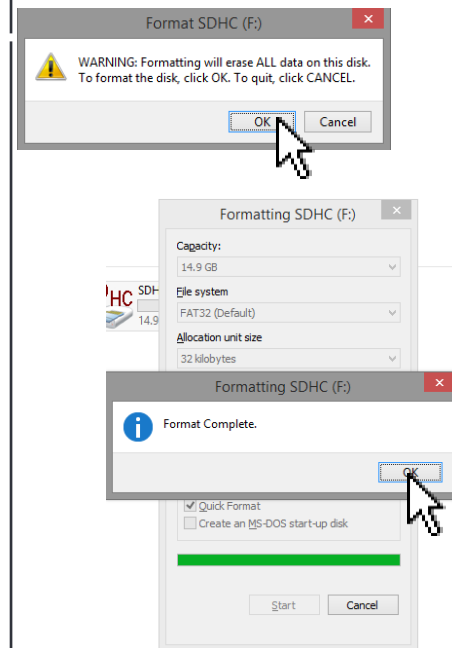
- Select SD card drive and click the right mouse button and click **[Format...]**



- Use the following settings:
Files System: FAT32 (Default)
Allocation unit size: 32KB
- Click **[Start]** button



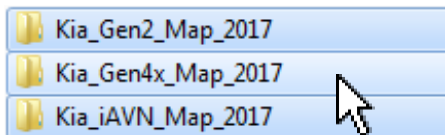
- Start format by clicking **[OK]**
- When format is done click **[OK]**
- Duration: < 5 sec



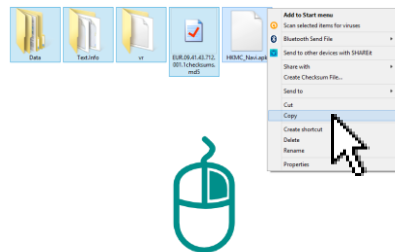
Gen 4.0 - Step 3 - on PC

Copy Map Data to Customer's SD Card (Duration <20 min)

- Open [MAP Update 2017] folder on your PC
- Open [Kia_Gen4x_Map_2017]

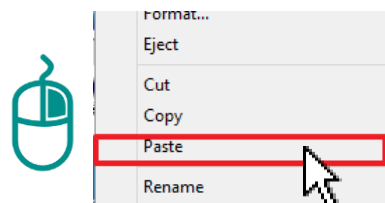
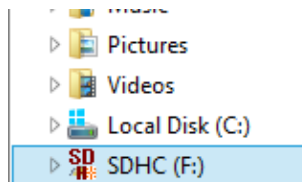


- Select ALL files
- Click right mouse button and click [COPY]

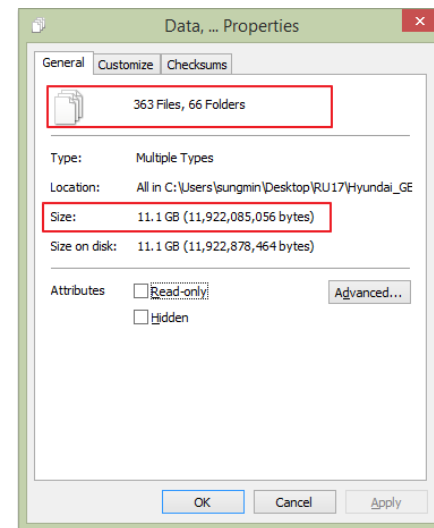


- Select SD Card drive
- Click the right mouse button and click [PASTE]
- Duration: < 20 min

**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.



Gen 4.0 - Step 4 - in Vehicle

Check Map in the System (Duration <2 min)

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



If the system was ON it will reboot

The map should be displayed on the [HOME] screen



- Press [SETTINGS] button ->



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



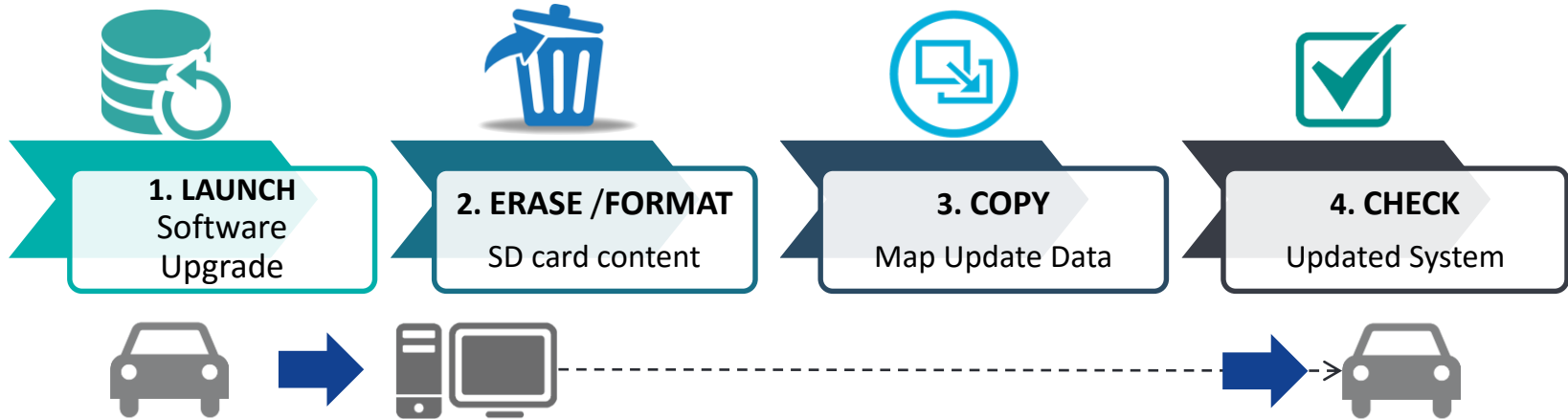
- Check that the new version is displayed

Gen 4.0	System ver.	E517.160926 (TF, PS EV, PS, UM, TF HEV, PS EV17)	
	Navi App.	ST4.EUR.KMC.160905.96731	
	Map ver.	EUR.09.41.43.712.001.1(D.C1)	
		EUR.09.41.43.712.001.1(D.C1/E.C1)	For EV

iAVN update

AVN Platform	Display size	Vehicle (MY)
EU AVN1.0	6 inch	XM (2010~2012) / YN (2009~2014) ED (2009~2012)
	7 inch	SL (2010~2013)
EU AVN1.5	7 inch	XMFL (2012~2014) / TF (2011~2015) UB (2011~2014) / RP (2012~2016) SLFL (2013~2015) / JD (2012~2015)
EU AVN2.0	7 inch	Sorento (2014~2016) / Rio (2014~2016) Venga (2014~) / Picanto (2015~2016) Ceed (2015~2016) / Optima (2015~2016)
	8 inch	Optima(2015~2016)
Standard Gen 4.0	8 inch	SOUL (2014~2016) / SOUL EV (2015~2016) Optima (2014~2016) / Optima HEV (2015~2016) Sorento (2015~2016)
iAVN	8 inch	RP MY17/ JD MY17 / Niro Optima MY17 / Optima Plug-in Hybrid Soul MY17 / QL MY17 / UM MY18 / JA / YB

4 Steps for Map Update Process



iAVN - Step 1 - in Vehicle

System Software Upgrade (Duration <20 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 pop-up showing the new software information



- Click on [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] icon.
- Scroll the screen to the next page.
- Click on the [SYSTEM INFO] icon.
- Check that the new S/W version is displayed
- Remove SD-Card.

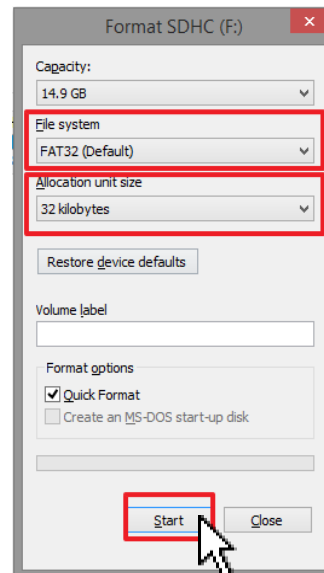
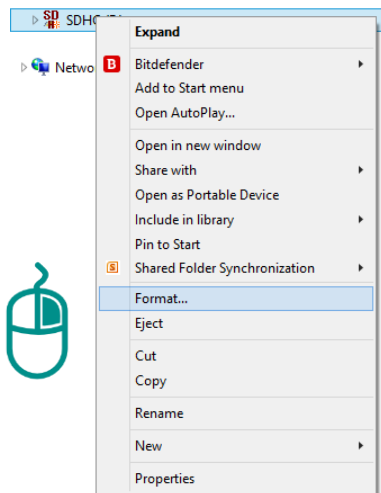
System info		
Version info	Software	YB.EUR.SOP.003.17.161212
Update	Firmware	YB.EUR.0.5.139.161118.MICOM
	NAV APP	INT_AVN_MID.EUR.KMC.161209.100733
Default	Map	EUR.09.47.50.582.002.2(D.C1)
	Device ID	3935137067

In some cases „Invalid MapVersion“ appears. This is caused by the removal of Map SD Card and has no impact on the software update.

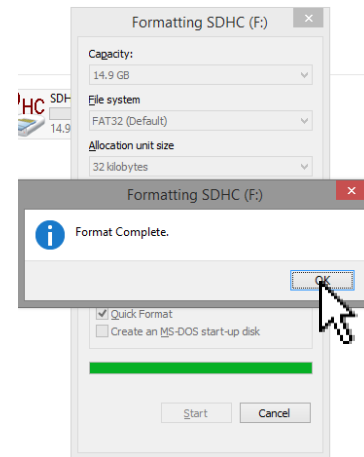
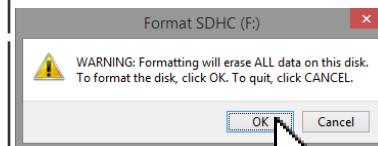
iAVN - Step 2 - on PC

Format “Customer’s SD Card” (Duration <5 Secs)

- Check that the Map SD is unlocked
- **Insert** the card in the SD slot of your computer
- Select SD card drive and click the right mouse button and click **[Format]**
- Use the following settings:
Files System: FAT32 (Default)
Allocation unit size: 32KB
- Click **[Start]** button



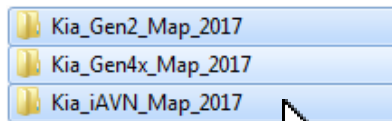
- Start format by clicking **[OK]**
- When format is done click **[OK]**
- Duration: < 5 sec



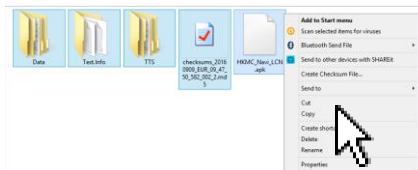
iAVN - Step 3 - on PC

Copy Map Data to Customer's SD Card (Duration <20 min)

- Open [MAP Update 2017] folder on your PC
- Open [Kia_iAVN_Map_2017]

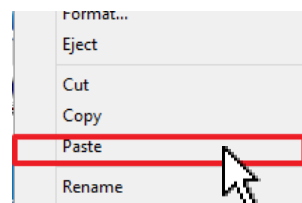
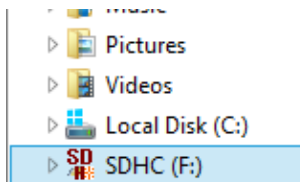


- Select ALL files
- Click right mouse button and click [COPY]

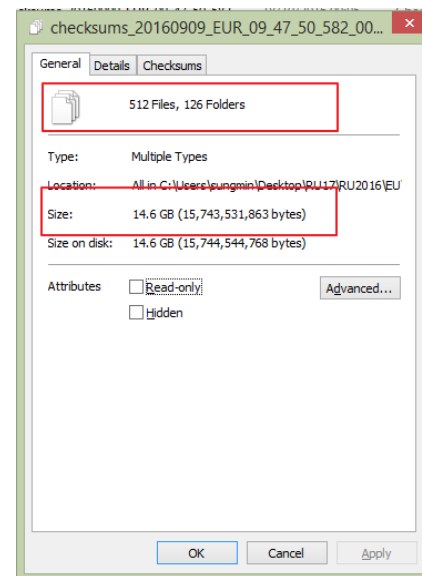


- Select SD Card drive
- Click the right mouse button and click [PASTE]
- Duration: < 20 min

**DO NOT COPY OTHER FILES
TO THE SD CARD**



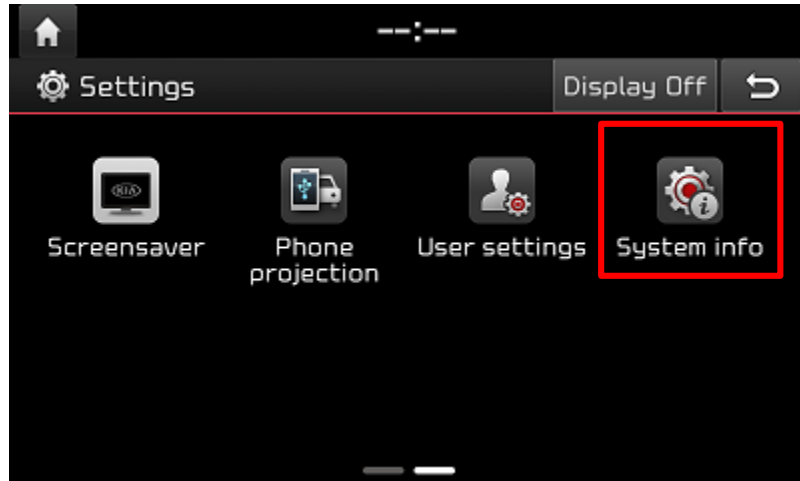
- Check copy completion
- Select ALL files
- Click right mouse button and click [PROPERTIES]
- Check number of data/folder and size.



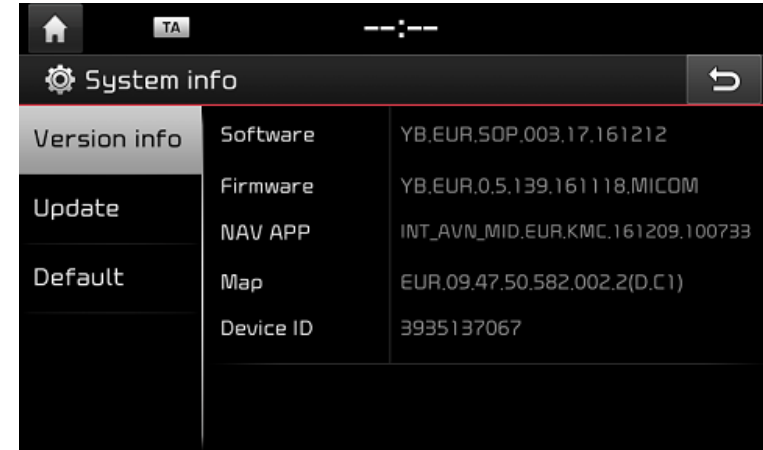
iAVN - Step 4 - in Vehicle

Check Map in the System (Duration <2 min)

- 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.10.003.17.161212	
	Map ver.	EUR.09.47.50.582.002.2(D.C1)	
		EUR.09.47.50.582.002.2(D.C1/E.C1)	For EV