DYNAVIN®
where innovation starts

OWNER'S MANUAL

Pro platform

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General Information

Thank you for choosing Dynavin.

The Dynavin brand has existed for over 11 years and has developed into one of the best retrofit equipment manufacturers. In 2008, Dynavin began based on an idea to offer drivers an OEM-look multimedia radio system not only with significantly better features than the original system, but also with the same optical performance. Dynavin continuously works to improve its products allowing Dynavin head units to be offered to over 30 models and currently have the largest technical standard on the market.

We have paid special attention to your personal safety during the development of Dynavin products combined with maximum ease of use, modern design, and the latest technology possible. However, please be aware if installed, used, or handled improperly, injury and/or damage may occur. Please read this instruction manual completely and carefully and keep it with you!

This product meets the requirements of the applicable European and national guidelines. Conformity has been established and the relevant documents and explanations are available from the manufacturer.

Dynavin features, software, and performance is subject to change at any time without notice in the interest of technical progress and adapting to the vehicle market. Before installing the unit, please review the legal regulations in your country. Non-compliance with the law may lead to significant penalties.

Dynavin and its recognized partners, resellers, and distributors are not liable for any direct or indirect damages or losses nor responsible for costs or fees resulting in reinstallation, uninstallation, and/or diagnosis. All necessary installation steps are performed upon customer request with the knowledge of the possible product incompatibility or that the product's operations can vary depending upon vehicle. Dynavin or its recognized distributors and dealers are not responsible for installation and removal costs or losses. Despite all efforts and various testing carried out by Dynavin and its recognized partners, suppliers, and distributors cannot guarantee 100% compatibility with all original features on all vehicles or equipment variations of the specific models.

If the electrical system in your vehicle suddenly has an irregular or improper function, unplug the product from the vehicle electronics and call for an inspection at an authorized workshop.

For warranty or repairs, please contact your dealer or distributor. Please save your original packaging. Note: You must first contact your dealer/distributor before returning and follow their specific return requirements (RMA procedure).

Any of the following will void your warranty:
a) Tampering with the device or accessories without the approval of the manufacturer or its partners
b) Opening the housing of the device
c) Repairs to the device not performed by the manufacturer or its partners
d) Improper usage or operation
e) Physical or water damage to the device due to dropping, willful damage, accident, flooding, fire, etc.

Install in accordance with all safety regulations and legal provisions.

For your safety:

Ensure the installation is carried out only by a trained specialist. Installation should only be performed when vehicle is de-energized. In certain installations, the battery must be disconnected from the electrical system. Be sure to check the provisions of the vehicle manufacturer as changing the vehicle electronics may result in loss of warranty.

Never use safety-related connections or mounting points such as steering, braking systems, or other vehicle-related safety components for your safety and the safety of others. Connect the device only to those car-specific power and ground points specified by Dynavin.

Avoid settings on the device which may cause distractions to the user while driving thereby endangering yourself and others. Please review and follow the driving laws of your state/country.

References of Legal Regulations for Operation

Install the device only in the intended domain. The warranty will be voided if the unit is not installed properly or unapproved alterations are made.

Use only original CD/DVD no Mini-Disks or other shaped disks. This can damage the disk drive of the unit.

The CD/DVD drive may have shipping screws inserted on the top side of the unit. Remove these before installation otherwise no media can be introduced into the drive.

Marking of products using laser scanners

Class 1
Laser Product

This marking indicates the contained components in the appliance using a weaker class 1 laser for scanning media.

CE

Declaration of Conformity with respect to the EMC regulation ETSI EN301 489
Declaration of Conformity with regard to radio regulation ETSI EN300328
Declaration of Conformity with regard to safety regulation EN60065

General Safety Instructions

The references in this section apply to most of our products, but not to all. If you have further questions, please contact your local dealer.

Warning: opening the device housing will void your warranty unless permission is given by the manufacturer or distributor.

Do not try to repair the unit yourself. Doing so will void your warranty. If repair is needed, please contact your dealer or distributor.

Attention! Do not overload the power wiring or extension cables. This is a fire hazard.

Attention! Do not insert foreign objects into the opening of the unit. This is a fire hazard due to the risk of short circuiting and/or damaging the circuit board.

Attention! If any cable, wire, or connector is damaged, please shut down the unit immediately, remove power, and contact your dealer.

Attention! If any cable is smashed, please shut down the unit immediately, remove power, and contact your dealer.

Attention! If the unit makes unordinary noises, smolders, or smells bad, please shut down the unit immediately, remove power, and contact your dealer.

Attention! Do not put the unit in direct sunlight or near a heater. The unit can be damaged by high temperatures.

Attention! Be sure that the unit has good airflow. Do not close any openings or obstruct the vents on the unit.

If you must change a fuse, be sure that the power connection is separated and that you use the same fuse as before.

Attention! On certain units, a laser is installed. Do not open the case and do not look into the light. Risk of eye injury.

Attention! Do not use any magnetic parts. Keep all magnetic parts away from the unit. This may cause lost files or damaged units.

Product Features

This unit offers a variety of new functions.
The new Dynavin N7 Pro was developed as a multimedia device with a new operating system based on Microsoft © Windows known as DynOS with a number of new optical and technical properties.

Operating system : DynOS – self-programmed system from Dynavin

CPU : 833 MHz

Internal memory : 4 GB

Multitudinous TFT 6.2“ 7“ 9“ or 10.1" Display (varies by model)
7” Resolution: 1024 x 600 16:9
9” Resolution: 1024 x 600 16:9
10.1” Resolution: 1024 x 600 16:9
6.2” Resolution: 800 x 480 16:9

Navigation Navi-SW : iGO-Primo (included)

Hands-free and Streaming Music

BT Audio Music Playback (wireless audio connection)

iPod© Controlling Connect an iPod ® or iPhone ® via USB with an additional connection cable

Aux-In

SD / Micro-SD slot for navigation and media playback
USB 2.0 for music and video playback as well as connection for iPod® and iPhone®

Support depends on the vehicle, the original PDC and camera system

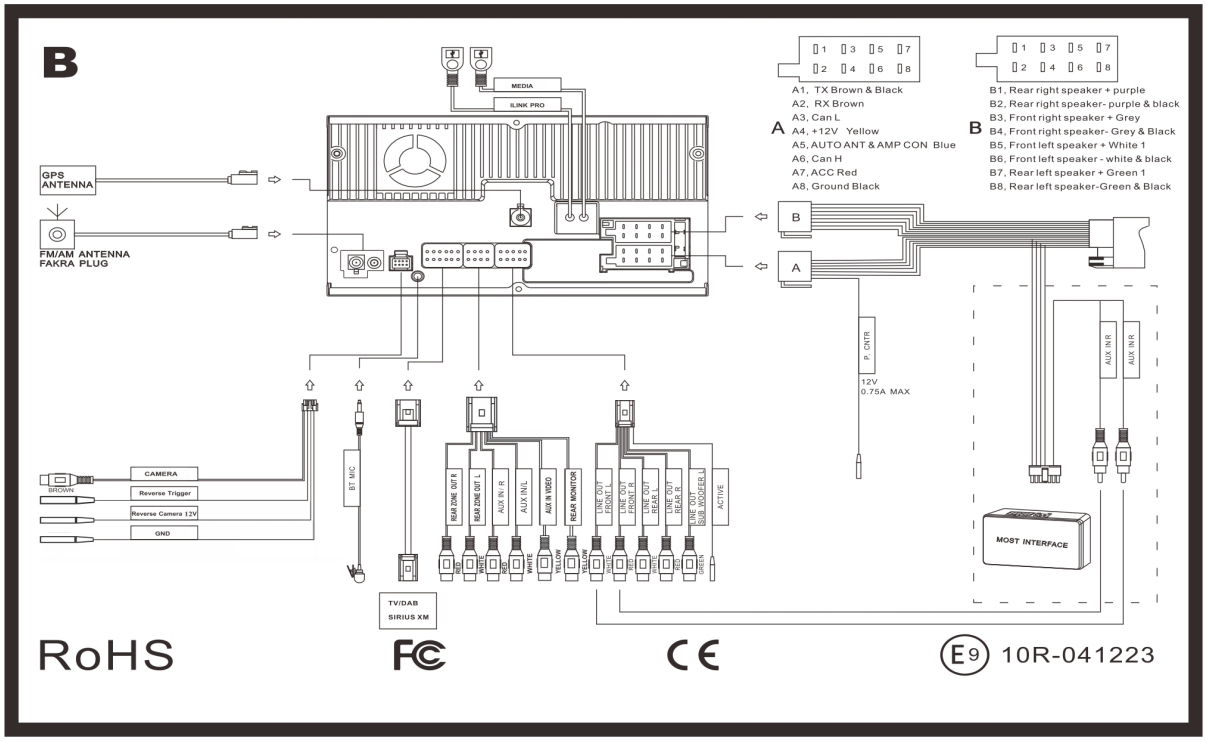
External connections

Video-Out
Audio-Out
A/V-In

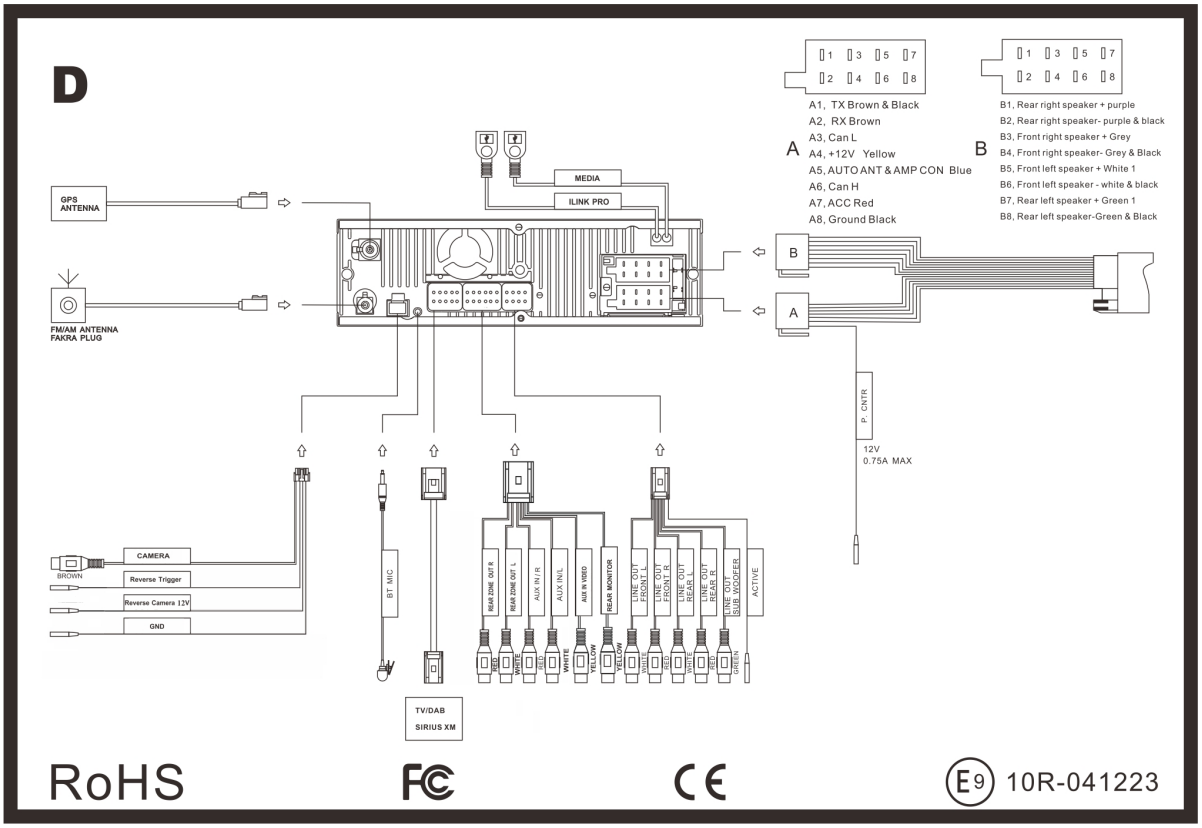
Capable of connecting a DAB or DVB-T device with touchscreen control

Installation Instructions:

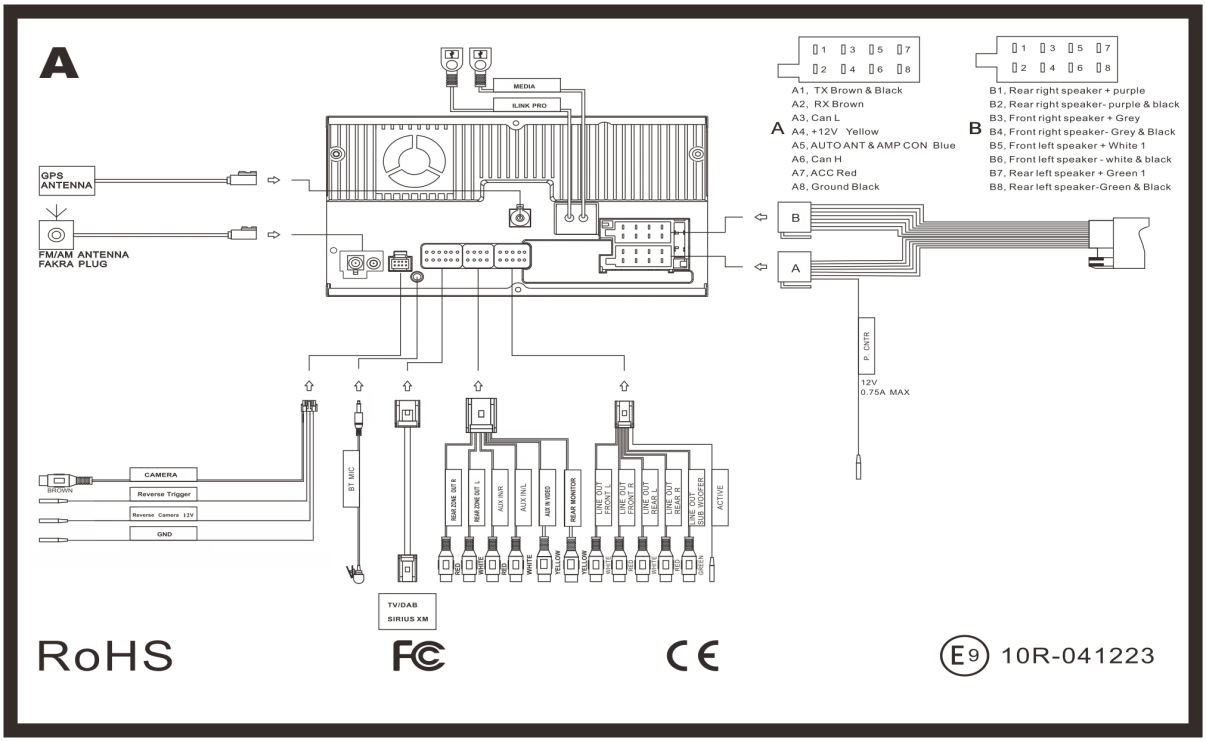
2 Din Most-connections



1 Din Connections



2 Din Connections



Button Functions (Front Panel)

The key below varies by Dynavin model. This is a general overview of the keys and their functions.

◁	=	Previous track
▷	=	Next track
⏏	=	CD/DVD eject
⏯	=	Play/Pause
Disc	=	CD/DVD Option
	=	iLink Pro
USB	=	USB Option
TV	=	TV/DVB-T Option

Right-hand rotary knob
- Press = Phone function
- Turn = (Depending on the function/source selected) For example: Next / Previous for songs

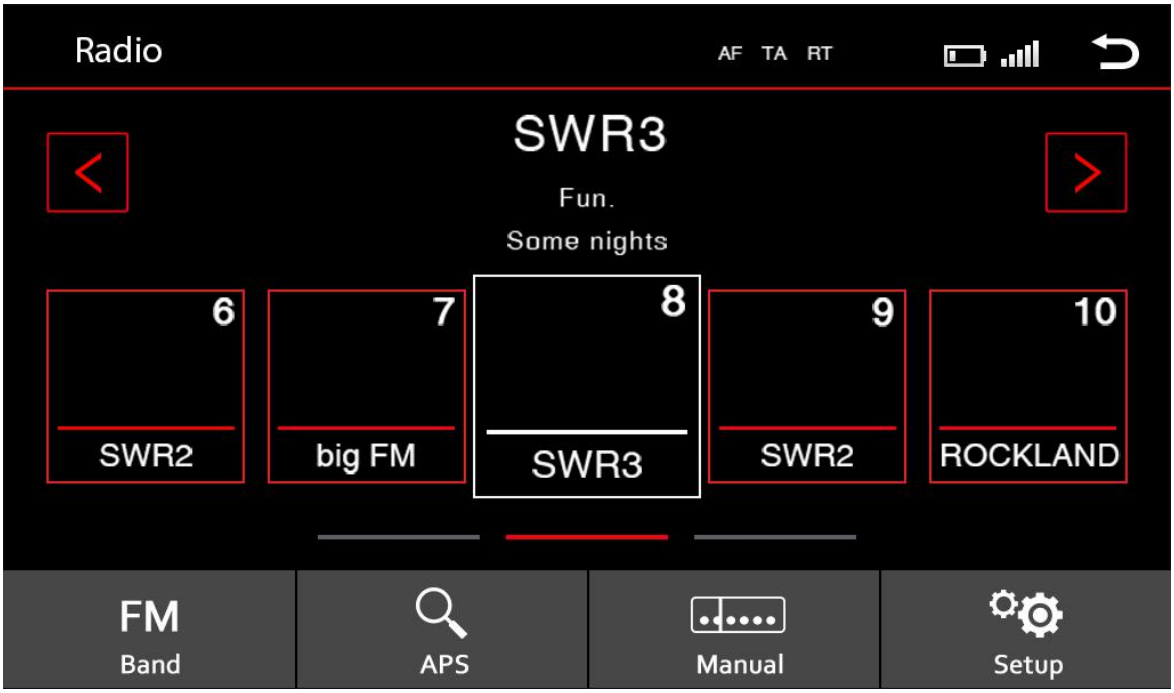
Left knob
- Press = On / Off switch (standby)
- Turn = Adjusts volume

SRC	=	Select Source / Main Menu
NAV	=	Navigation start-up
	=	Multi-function button
Mute	=	Mute
Radio	=	Radio source
BND	=	Switching from FM and AM
TEL	=	Phone mode
SD	=	Opens the SD Card Menu
AUX	=	Opens the AUX menu
1-6	=	Radio station memory buttons

First Steps

If you have connected the device as indicated, turn on the ignition of the vehicle. The Dynavin will then boot-up. This may take about 30 seconds the first time. It will begin on the radio screen.

Radio Screen



Operating the Touchscreen

Most functions of the Dynavin device are controlled through the touchscreen. Therefore, to ensure the most accurate possible control, it is recommended that you calibrate the screen.

To calibrate the screen, you will see the icons below. Be sure to perform each function as indicated.

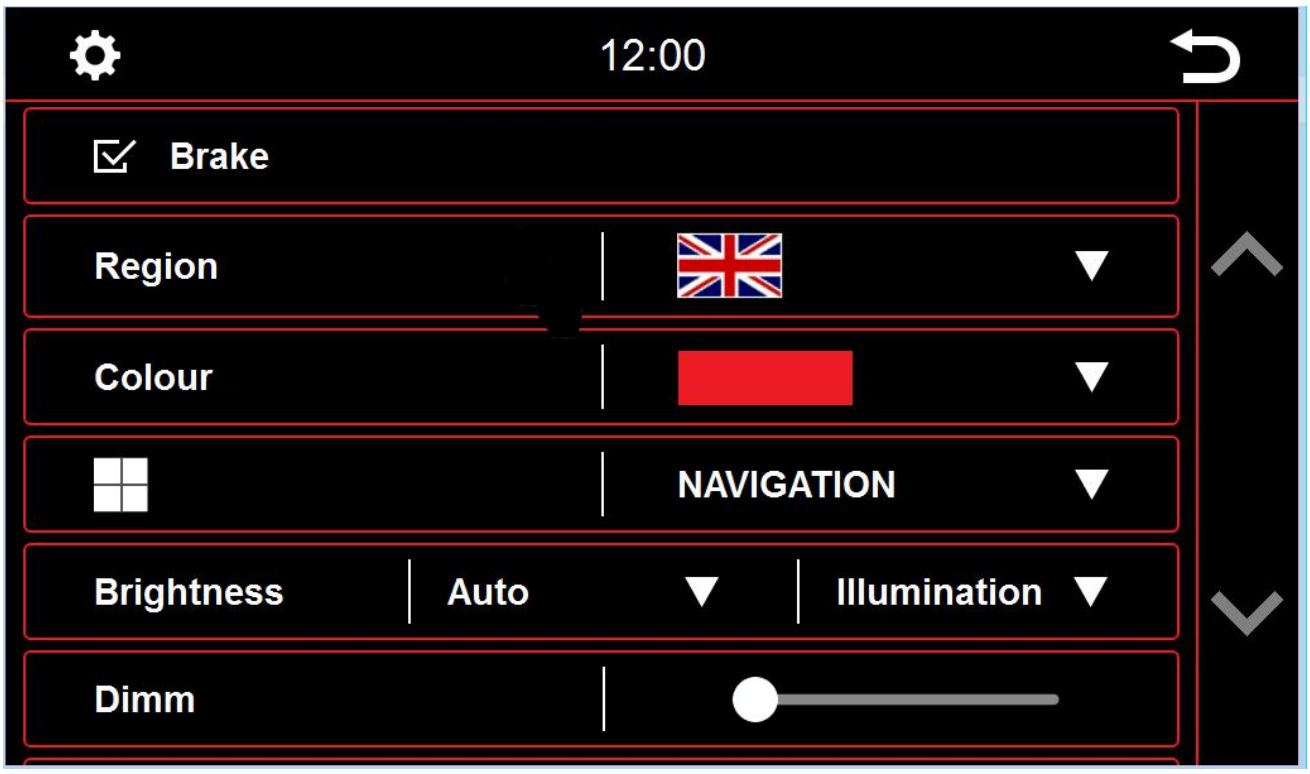
Touch the screen (short)

Touch the screen (long)

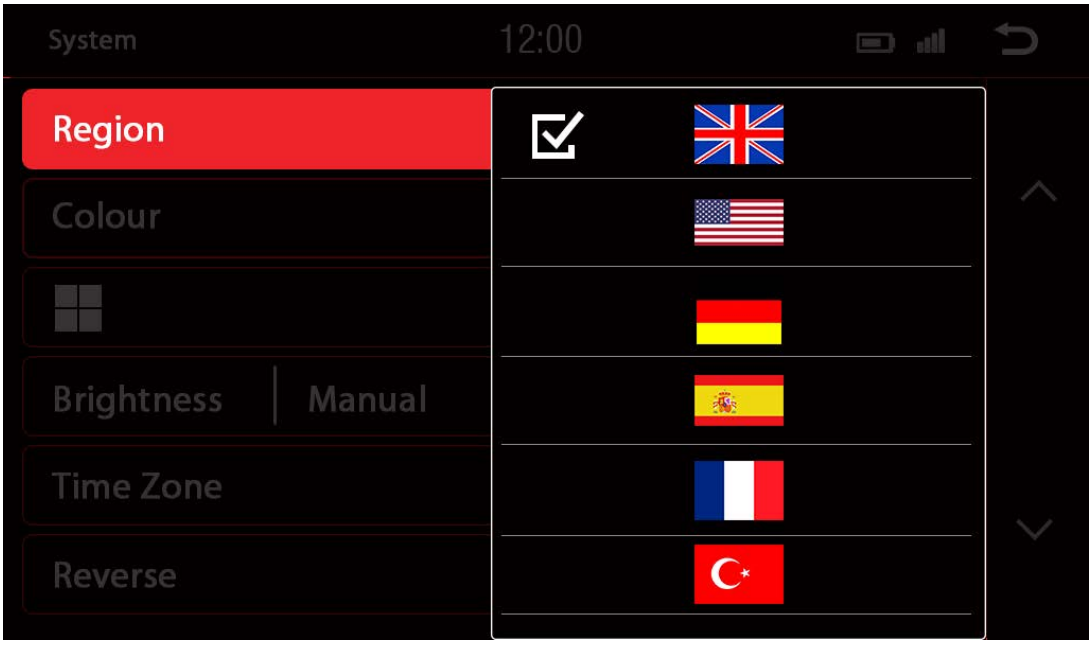
Press and hold and move

As on a smartphone, you can swipe to move left or right. To do this, touch the screen and slide the surface to the left or right.

System Settings

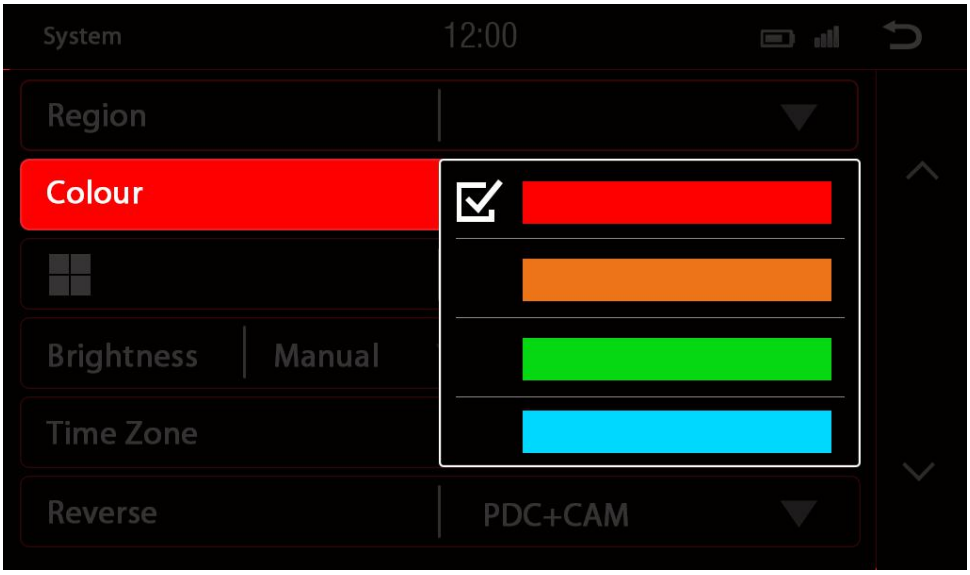


Region



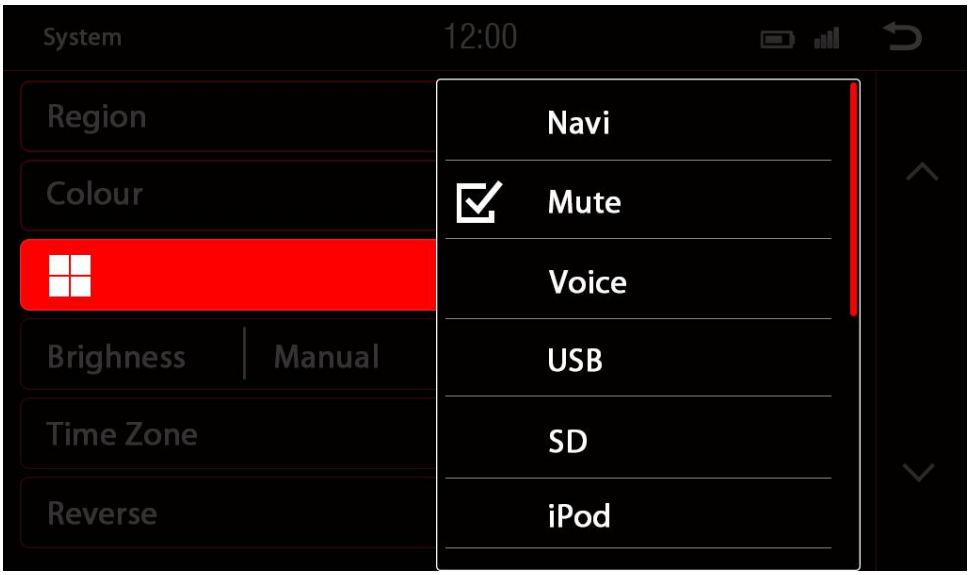
Set your desired device language in the region setting. You have a choice of up to 10 languages. It is possible that in one of the selected languages the meaning is unclear or the text is too long.

Color



Select a color to change the color of the lines and icon borders on the screen.

Multi-Function Button



You can program this button to create a shortcut to a preferred function or mode. (Options are pictured.) Once programmed, simply press the button to instantly access it.

Brightness

You have several ways to adjust the brightness and control. This includes the dimming function.

First, touch the down arrow key right of the menu item labeled Auto / Manual.

After touching the arrow, there will be a sub-menu.

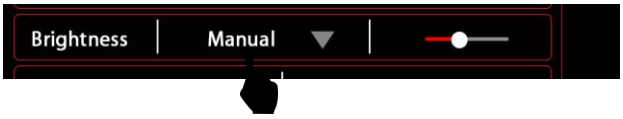
Depending on the selected function, another option in the settings may be unlocked.

Auto = Automatic dimming function
Illumination = on when lights are turned on
Sensor = light detection in the interior of the vehicle

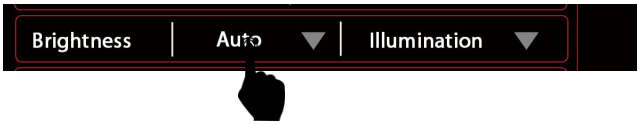
Manual = Manually adjust the back light

The sub-menu will close automatically once you have completed a selection. If changed, a new button will be displayed.

For Manual mode, on the right of Manual, there will be a slider.



Then press on the slider to set the setting lever for the dimming function.



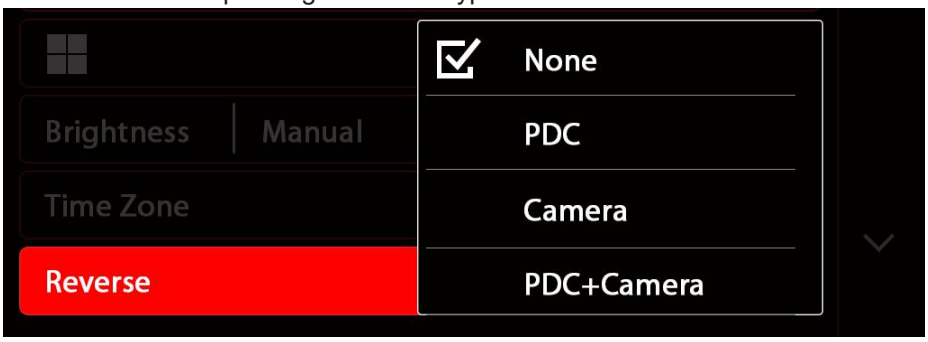
Through a Side-motion you can adjust the slider to the desired value.

Time Zone

In this menu, you can set the time zone in which you are located. This is set by Coordinated Universal Time (UTC).

Reverse

If your vehicle has an ORIGINAL PDC system installed or has an original rear-view camera, you can re-enable these depending on vehicle type.



This is NOT compatible on all vehicle models. Please refer to the compatibility information from Dynavin.

None : When no system is installed

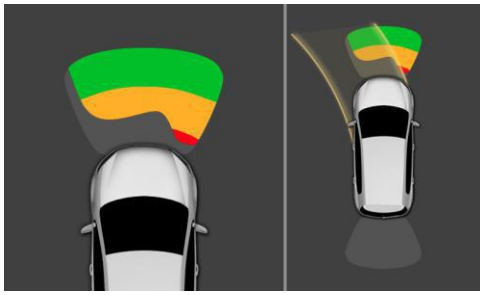
PDC : If only one PDC system is installed

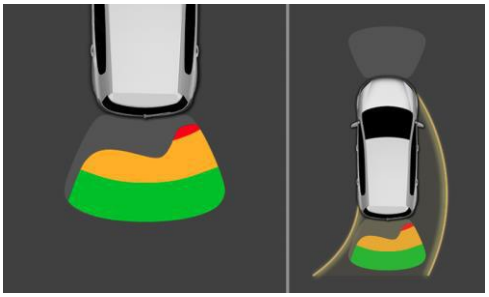
CAM : If only a rear-view camera is installed

PDC+CAM : When both systems (PDC and rear-view camera) are installed in the vehicle

With **None** selected, the screen will remain in the current menu when the vehicle is put in reverse.

With **PDC** selected, a new image will appear when in reverse.

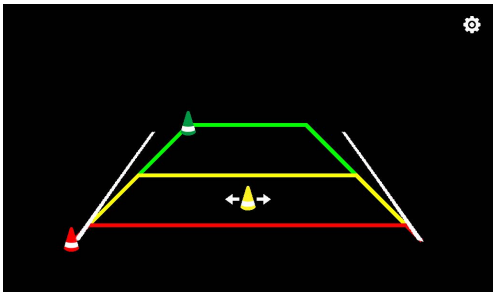


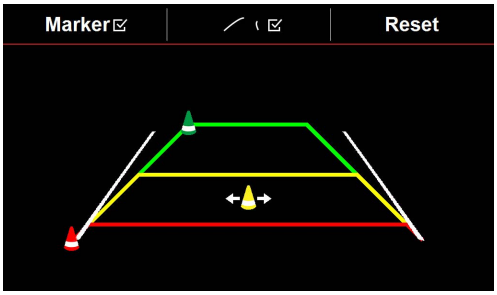


Depending on the vehicle and vehicle system it is also possible that the front PDC information is displayed.

Please note that this system has only a supporting role. Faulty measurements caused by improperly built-in systems or by environmental effects causing interference can not be compensated by the system. These systems do not replace driver control or responsibility. Be aware of minimum clearances.

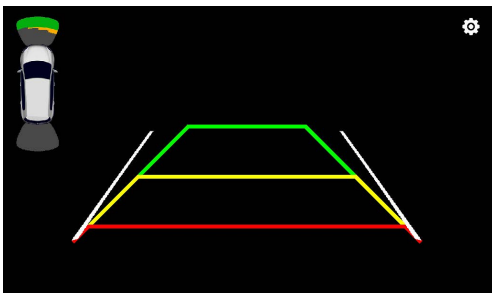
With **CAM** selected, the rear view camera image will be shown. Click setting icon to adjust guide line for better experience by dragging the snow bucket. **Please note that track line is not for all Dynavin units, it is for specific car type**.



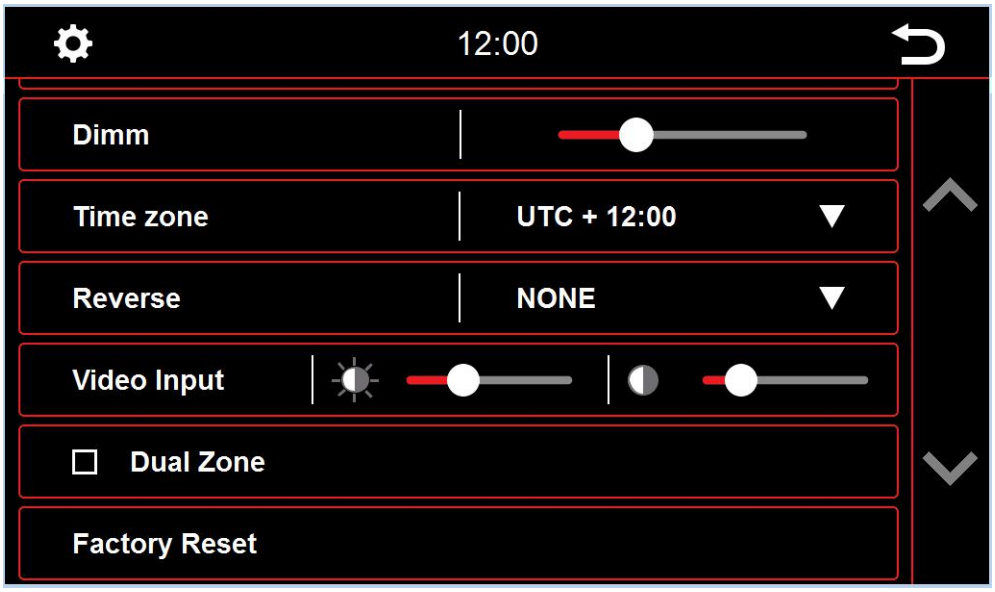


Please note that proper image transmission is affected by camera settings, the installation of the camera angle, and/or external interference. These systems do not replace driver control or responsibility. Be aware of minimum clearances.

With **PDC + CAM** selected, both images will be displayed in one screen.

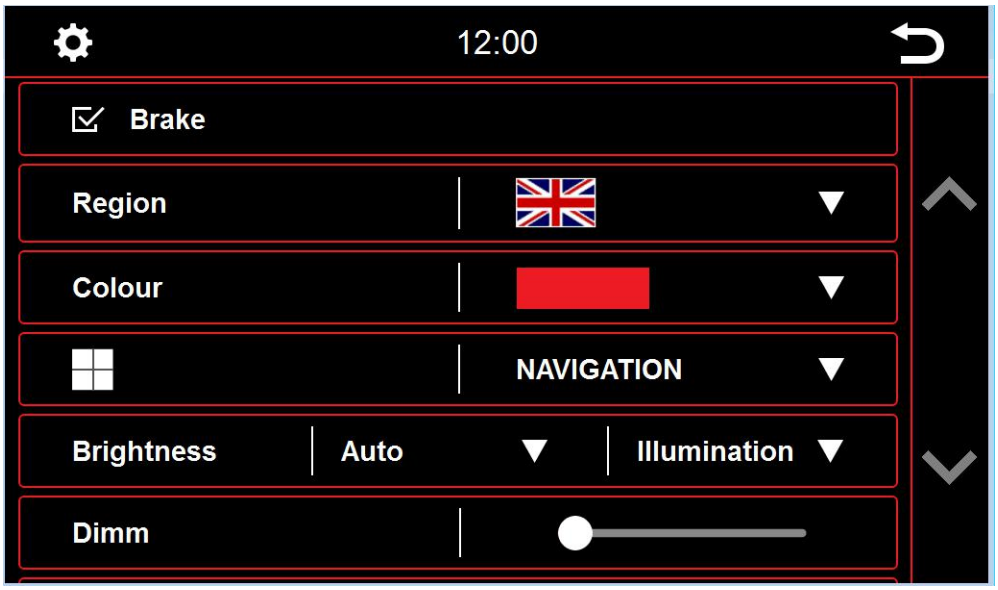


If you get a call while you are using the PDC system of your car, the call will be displayed as a 2nd window in the screen corner.



For more functions move the menu bar to the bottom by sliding the scroll bar or tapping the up and down arrows on the right side of the screen.

Brake

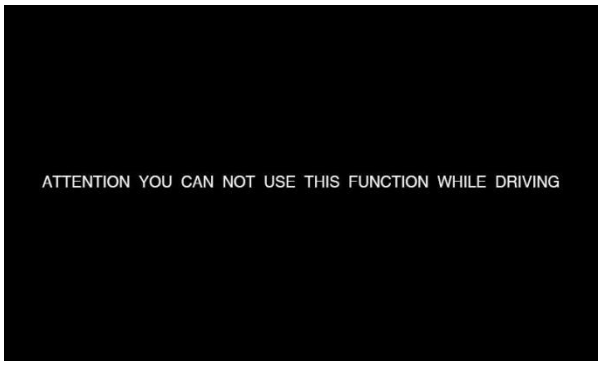


In the system settings you can change some of the basic options and settings of the device. Through a brief touch of the box next to the words, the option will be enabled.

A checkmark ✓ indicates that the option is selected.

With **Brake** deselected, video playback or DAB-T will be inhibited so that you are not distracted while driving.

When you engage the handbrake, the image below will be displayed informing you that video playback is not allowed while traveling.



If you want to activate the video while traveling, select the Brake option.

Warning:

It is the responsibility of the user to review state and country laws, guidelines and legal regulations. If you enable this option illegally, this can lead to substantial fines. This is a setting that is not enabled or recommended for general use of the Dynavin. Dynavin is not responsible for fines aquired. This setting is only activated by the user and owner and, therefore, the user assumes all responsibility by activating.

Video Input

You can adjust the brightness and contrast of all external video devices.

Dual Zone

If enabled, video can be shown on external monitors in the passenger area while navigation is shown on the Dynavin screen.

Factory Setting

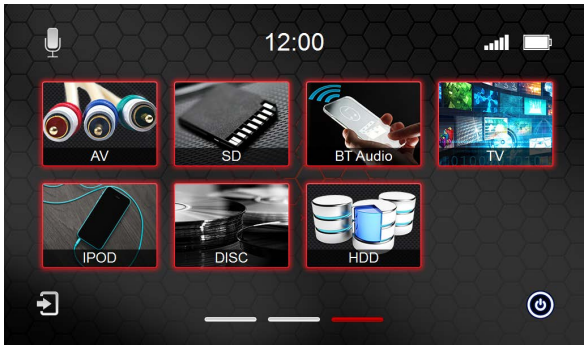
You can reset unit to the default settings.

Main Menu

The main menu displays icons for various features/modes across three pages or sections. You can move the windows using a swiping motion left or right.

Touch the screen with a finger and then move it to the right or to the left. This moves you to the individual pages of the main menu.You can do this in almost every menu.

The three lines on the lower side of the display show you which page is open and to which direction you can move. You can also touch one of the lines to go to that page.



Touch one of the icons on the screen with a finger to open the selected menu. This is only possible if the selected device is connected or the function has been enabled.

The marked symbols on the first image have a special function. These can be replaced according to your preference.

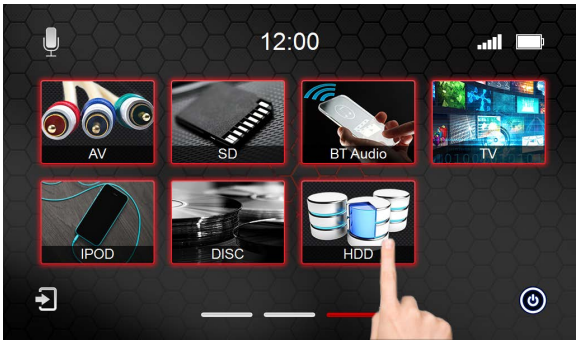
Moving Icons

To move a function icon on the Main Menu, read the instructions below.

You have the option to change one icon on the first page to icons from the last (third) menu page.
In the left picture, note the highlighted interchangeable icon.

Go through a scrolling movement to the third menu page.

Touch and hold to the function you want to move with a finger.



After about two seconds, the icon for the selected function is moved and you will automatically be on the first menu page. Continue holding your finger on the screen.

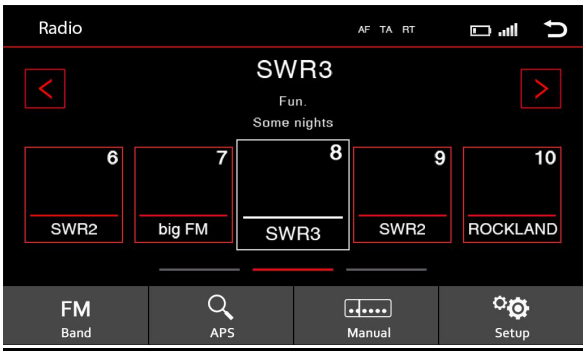
Place the icon you have selected over the icon you wish to replace.

Now take your finger off the screen. The icons will be exchanged automatically.

Radio Function

To access the radio function, select the radio icon in the Main Menu or press the physical radio button on the front panel of the unit.

Button Overview



= Manual tuning

= Station keys 1-15
Scrolling to the left or right accesses all presets

= back to main menu

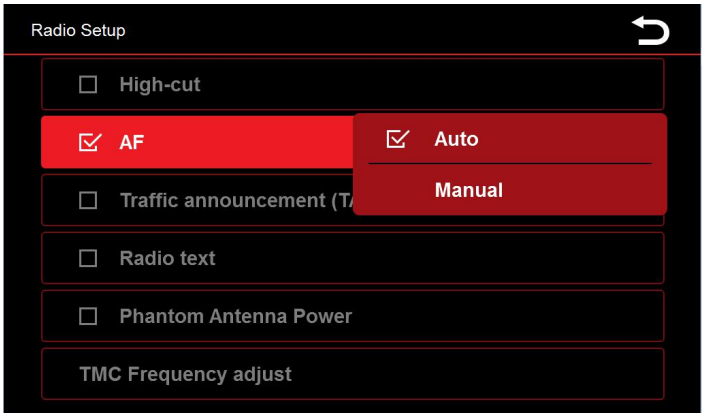
= Radio options

= Frequency adjust manually

APS = Automatic search (The five strongest stations will be stored automatically.)

FM Brand = Change frequency between AM/FM and DAB+

Setup Radio Options



Tap the box next to AF to enable the option.

A checkmark ✓ indicates that the option is selected.

High-cut = Reduce radio noise

AF = Alternative frequency
When selected, **AF** will display on the top of the radio menu. This allows a receiver to transform a different frequency providing the same station when the first signal becomes too weak.

Automatic
With this additional function of AF, you can select whether the AF function of the station you are listening is to be exchanged for another (Automatic) or that the station is to be maintained and only a new stable frequency is to be searched.

TA = Traffic Announcement
If this option is enabled, traffic messages can be recorded in the current program automatically.

Radio Text
If you have activated this function, information can be transmitted by the radio station to your radio. For example, information about played song or information about the current program as well as the station name.

Phantom Antenna Power

When radio signal is weak, you can select Phantom Antenna Power to power the radio antenna.

TMC Frequency adjust
Here you can set whether always the strongest stations in the region to be selected for the TA function, or the station you hear in the moment.

CD/DVD Function

To access the CD / DVD feature, insert a disk into the drive. Press the physical button labeled DISC on the front panel of the unit or the Disc icon from the main menu via the touchscreen.

After you insert the disc the playback of the music or video will start automatically.

To eject the CD / DVD, press the physical button on the front panel: ⏏

If you do not want to eject the media, but want to return to the previous menu, briefly press the **SRC** button on the front panel of the unit.

Menu for the music playback via CD / DVD

Tap a button to select the following:

: Opens all music information on the USB media

: Opens all video files on the USB media

: Opens all image files on the USB media

: Opens all the information of the USB flash drive in a directory structure

: Opens the Input menu to search
Opens the search window with a virtual keyboard.

: Playing

Play list

Repeat
Press once - The song is played once (OFF)
Press twice - The song is repeated until pressed again

The symbol for repeat is displayed in the upper line of the screen when selected.

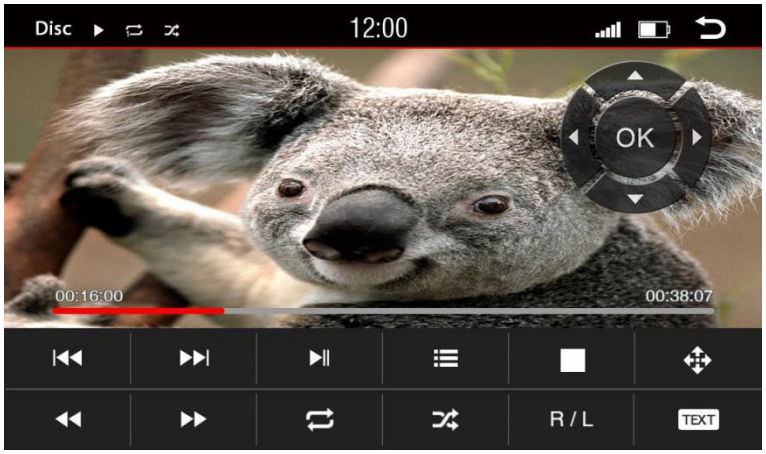
Previous track

Play / Pause

Next track

Shuffle: In this setting, the songs are played at random from the selected album or folder. The symbol for Shuffle will be displayed in the upper left corner of the screen when selected.

CD/DVD Video Playback



Tap a button to select the following:

: Previous track

: Next track

: Play / Pause

: Back to the play list

: Stop

: Control center

: Fast forward

: Fast rewind

: Repeat

: Shuffle

R / L : Switch the audio channel

TEXT : No function

: Back to main menu

Phone Function

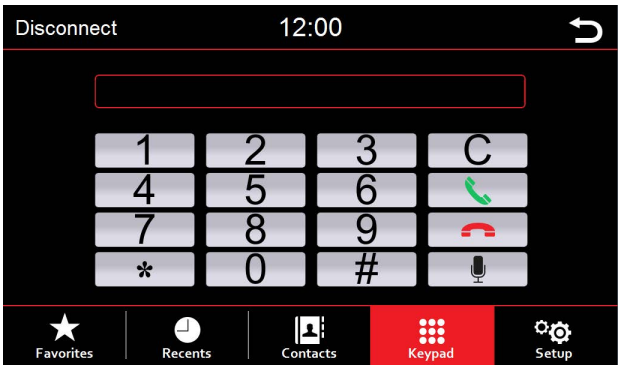
To access the Phone function, tap the Phone icon on the Main Menu. You can also press the Phone button on the front panel (not available on all models) or push and release the right knob.

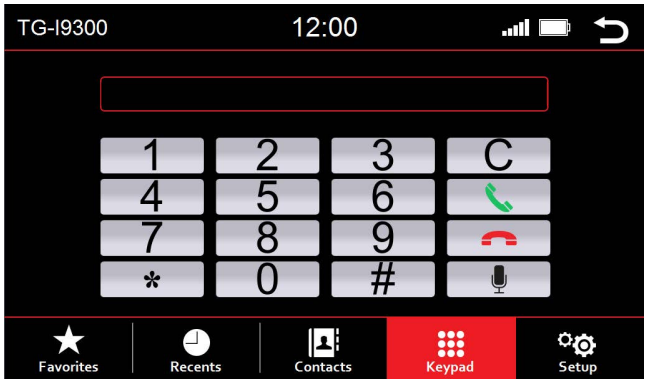
In order to use the Phone function, you must first connect your phone to your Dynavin unit.

To do so, enable the BT option on your phone and search for nearby devices. Once your phone has finished the search, you should see Dynavin-N7Pro. Pair the phone with the device. (If your phone does not find the Dynavin-N7Pro, restart your phone.)

Once your phone is connected to the Dynavin unit, the menu below will be displayed.

Disconnect, in the upper left corner signifies that the phone is not connected to the unit.



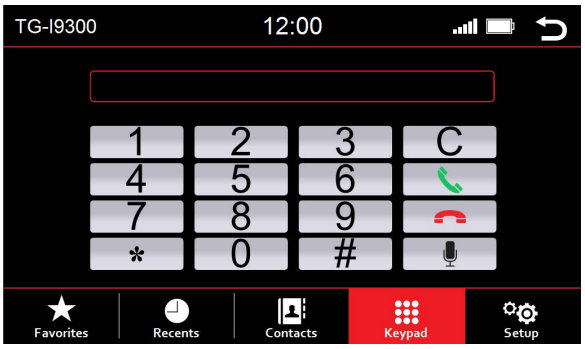


When the connection is established, the name of the phone will be displayed at the top left. On the top right, you will see your phone's battery level and signal strength.

On the bottom of the screen you will see icons for Favorites, Contacts, etc.

Once your phone has been paired to the Dynavin, your phone will automatically connect every time if you have the BT option switched on and the phone is within range.

Button Functions (Phone Menu)



To access the Phone function, select the Phone icon in the Main Menu or press the physical radio button on the front panel of the unit (if available).

C : Delete input
Each time you press the button, the last digit is the deleted entered numbers

Answering a call
Accept incoming calls or call the selected numbers.

Hang up call
End calls or reject incoming calls.

: Voice call

: Calling Favorites

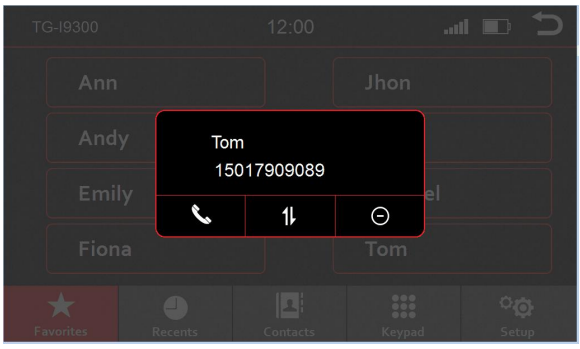
: Call History
Here are the most recent incoming and outgoing calls appropriate

: Phonebook
Here are all the entries from the phonebook of your mobile phone displayed. When they were transferred.

: Setting Menu

: Back to main menu

Contact Options from Phonebook



You can access the following functions on the three buttons below the contact.

: Call contact

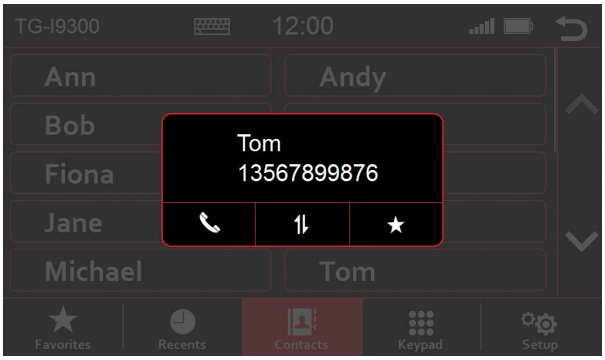
: Select another phone number that is stored under the contact.
(Depending on how many numbers you have assigned to a contact.)

: Delete favorite contact

Call History

: Call History

The most recent incoming and outgoing calls will be shown.



Swipe to scroll left or right. All recent contacts will be displayed.

With a short press on the icons you can select the following:

: Show and hide the keyboard

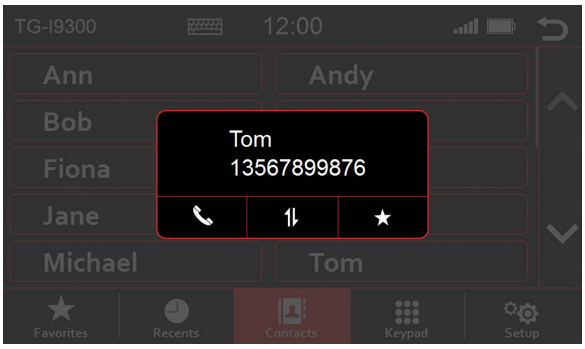
: Call contact

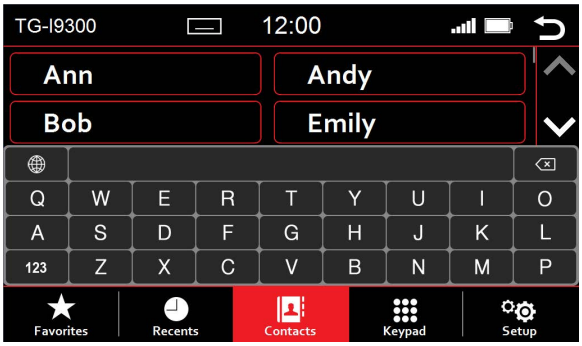
: Select another phone number that is stored under the contact
(Depending on how many numbers you have assigned to a contact.)

: Open Favorites

Phonebook

: Phonebook
All entries from the contacts on your phone are displayed.





When you select the phonebook option, it will take you directly to the search mode.

By briefly pressing the function keys, you can select the following.

: Select the keyboard language
(You have the option between Cyrillic, Greek, Latin)

: Delete the last entry

123 : Switch between numeric / special characters and letters

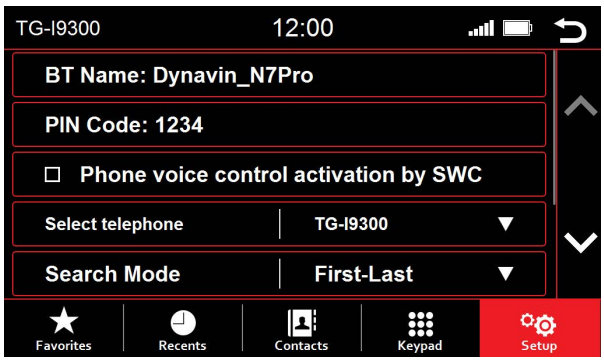
: Show and hide the keyboard

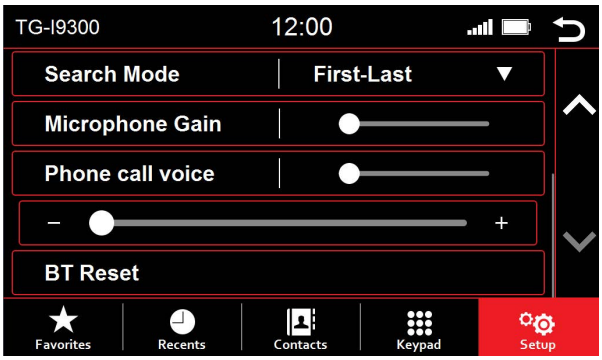
Touching one of the letters or symbols of the on-screen virtual keyboard will initiate a search function and will be presented on the top line.

Here you can search by name or phone number. The selection of the contacts found will be shown immediately.

If you select a contact, it will be displayed in a new window.

Setting Menu



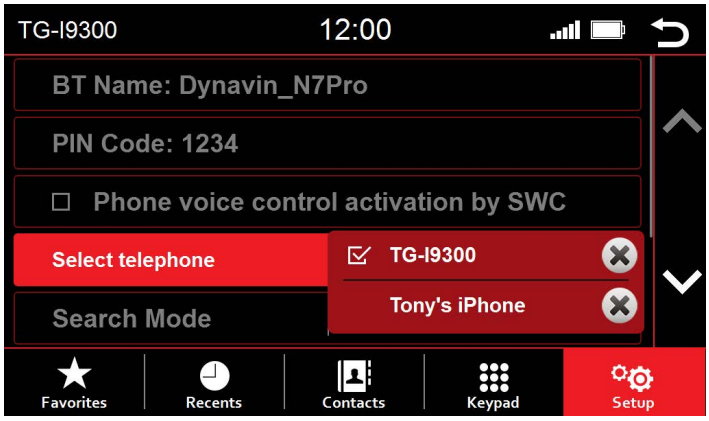


Phone voice control activation by SWC

A checkmark ✓ indicates that the option is selected, you can use voice call from the SWC once selected

Select telephone

The Dynavin unit can remember up to two phones. Select one to connect.



Search Mode

You can select to search by First name or Last name

Microphone Gain

Adjust microphone sensitivity

Phone call voice

Adjust calling voice volume

BT Reset

If you connect a different phone with the Dynavin unit, the in-memory contacts will be overwritten.

It is only possible to connect one phone to the unit at a time.

To view your phonebook, you must enable sharing of contacts, phonebook, etc. at time of pairing.

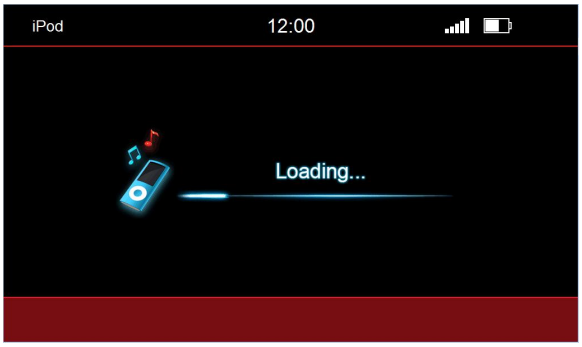
iPod® Function

To access the iPod® function, tap the iPod ® icon on the Main Menu or press the physical button on the front panel labeled iPOD® (if available).

You can only enter this menu if you have connected an iPod® to the unit via USB.

Use only USB to iPod® cables by Apple®. Use of non-Apple® cables may result in malfunction or your iPod® will be unable to connect to the unit.

After pressing the iPod button, the home screen will open and display the contents of the iPod®. The iPod® will begin charging automatically. Depending on the size and amount of data, this can take a few seconds.



After the iPod® has finished loading, the playback interface will appear on the screen.

You can run almost all the options just as you would from your iPod® screen.

Functions of the iPOD® Menu

With a short press on the buttons you can select the following.

: iPod® option menu

: Repeat
Press once - The song is played once (OFF)
Press twice - The song is repeated until pressed again

The symbol for repeat is displayed in the upper line of the screen when selected.

: Previous track

: Play / Pause

: Next track

: Shuffle (In this setting, the songs are played at random from the selected album or folder.) The symbol for Shuffle will be displayed in the upper left corner of the screen when selected.

: Back to main menu

Note :
You cannot play any kind of video in iPod® mode.

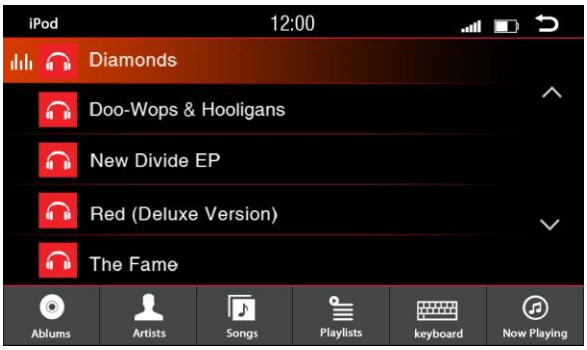
Display Symbol for Repeat

= Repeat

Display Symbol for Shuffle

= Shuffle

iPod® Options Menu



With a short press on the buttons you can select the following:

With an up and down scrolling motion, you can search the songs, artists, or playlists in the displayed table.

: Open the iPod® album menu

: Open the iPod® artist menu

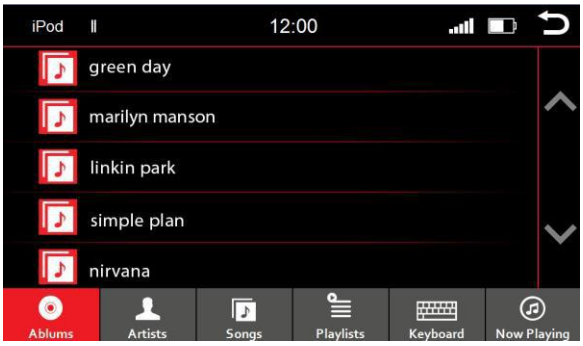
: Open the iPod® song menu

: Open the iPod® playlist menu

: Open the Input menu to search
Opens the search window with a virtual keyboard.

: Open playing menu

Album Menu

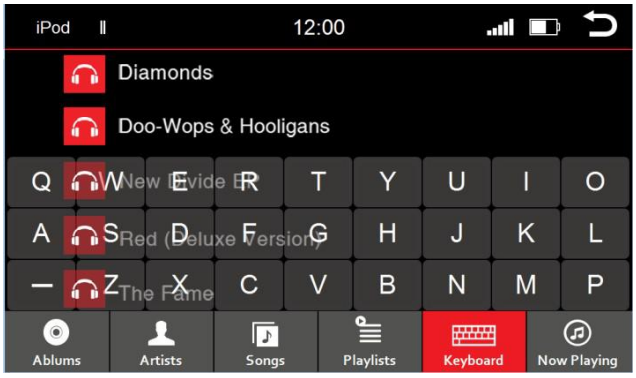


If you select the Album menu, you will see all albums which are stored like the picture above.

A short press on the album name will open it and all the songs stored in that album will be displayed.

A short press on one of the saved songs will play that song.

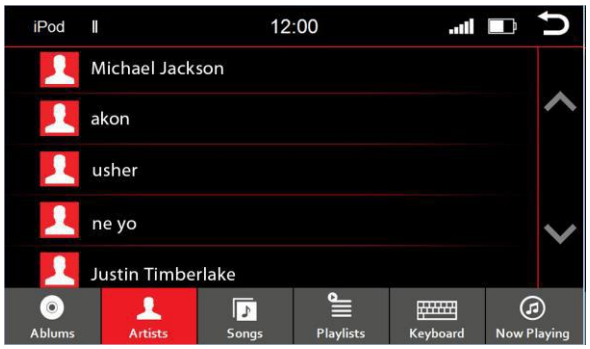
With an up and down motion, you can browse the songs or albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

Artist Menu

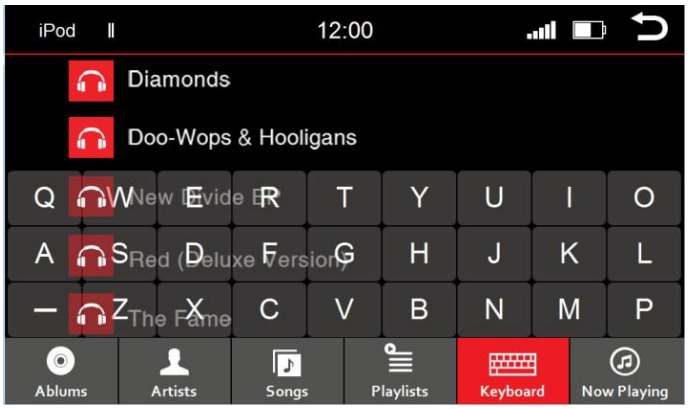


If you select the Artist menu, you will see all artists which are stored like the picture above.

A short press on the name of an artist opens a new window with either all albums of that artist or the stored songs when no album is available.

Tap one of the songs to begin playing.

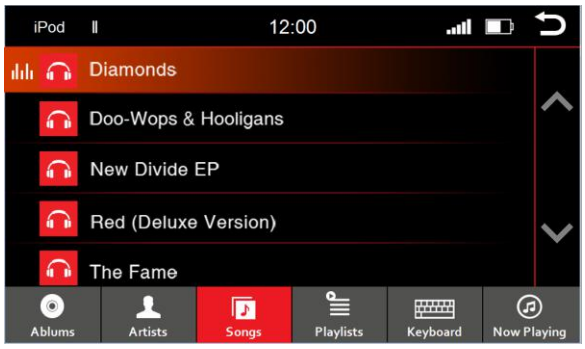
With an up and down motion, you can browse the songs, artists, albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

Song Menu

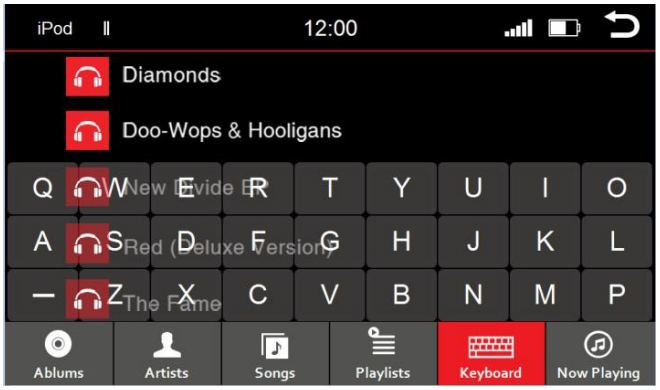


If you select the Song menu, you will see all songs (with titles) that are stored like the picture above.

Short press on the title of a song to play it.

An icon to the left side of the song title will show you what song is currently playing.

With an up and down motion, you can browse the songs in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

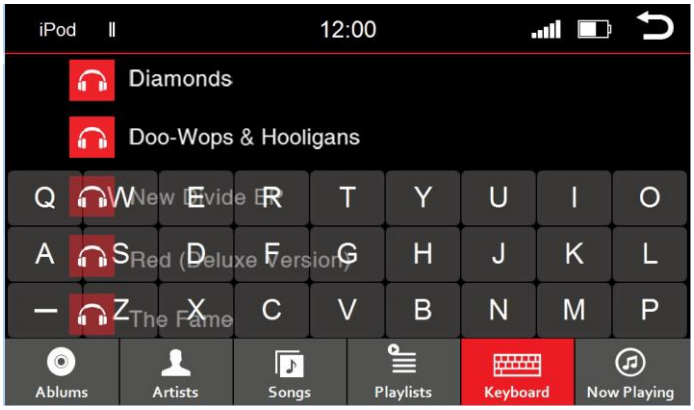
: Press this button to return to the previous menu.

Playlist Menu

If you have opened the playlist menu, you will see all of them like the picture above.

A short press on the playlist name will open it and all the songs stored in that album will be displayed.

With an up and down motion, you can browse the songs, artists, or albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

USB function

To access the USB function, tap the USB icon on the Main Menu or push the physical button on the front panel of the Dynavin that is labeled USB (if available).

You can only access the USB menu when you have a USB device connected to the Dynavin via USB.

Use only USB media formatted with FAT16/32 otherwise the Dynavin may be unable to read the media. The connected USB media should not exceed 64 GB.

After pressing the USB button, the USB menu will load the contents of the device. Depending on the size and amount of data, this can take a few seconds.

If you want to use a hard disk, please pay attention to the necessary operating power. Some hard drives use more power than is supplied by the Dynavin unit; therefore, you may have to use an external power source.

Functions in USB mode

With a short press on the buttons you can select the following:

: Playlist menu

: Repeat
Press once - The song is played once (OFF)
Press twice - The song is repeated until pressed again

The symbol for repeat is displayed in the upper line of the screen when selected.

: Previous track

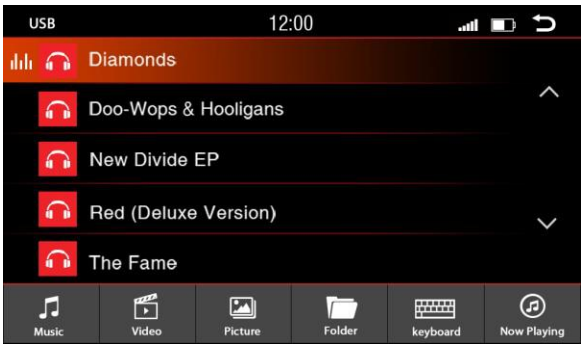
: Play / Pause

: Next track

: Shuffle (In this setting, the songs are played at random from the selected album or folder.) The symbol for Shuffle will be displayed in the upper left corner of the screen when selected.

: Back to the Main Menu

USB Options



With a short press on the buttons you can select the following:

With an up and down scrolling motion, you can search the songs, artists, or playlists in the displayed section.

: Opens all music information on the USB media

.

: Opens all movie files on the USB media

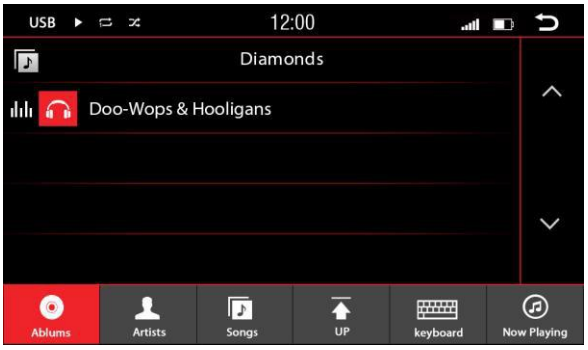
: Opens all image formations on the USB media

: Opens all the information of the USB stick in a directory structure

: Opens the Input menu to search
Opens the search window with a virtual keyboard.

: Playing menu

Album Menu



If you select the Album menu, you will see all albums which are stored like the picture above.

A short press on the album name will open it and all the songs stored in that album will be displayed.

A short press on one of the saved songs will play that song.

With an up and down motion, you can browse the songs or albums in the displayed section.

If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

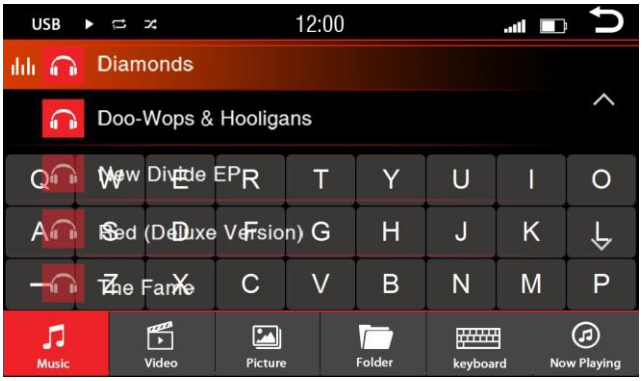
Artist Menu

If you select the Artist menu, you will see all artists which are stored like the picture above.

A short press on the name of an artist opens a new window with either all albums of that artist or the stored songs when no album is available.

Tap one of the songs to play it.

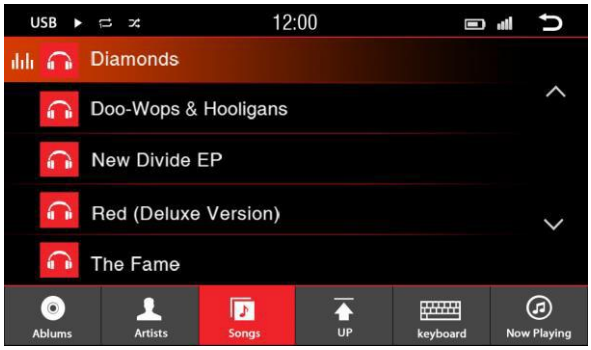
With an up and down motion, you can browse the songs, artists, albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

Song Menu

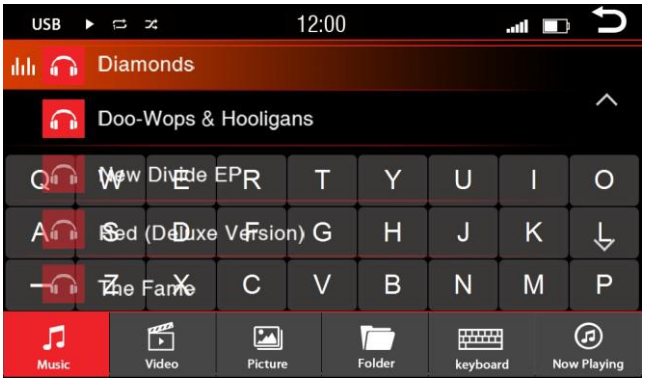


If you select the Song menu, you will see all songs (with titles) that are stored like the picture above.

Return to the previous menu

Short press on the title of a song to play it.
An icon to the left side of the song title will indicate which song is currently playing.

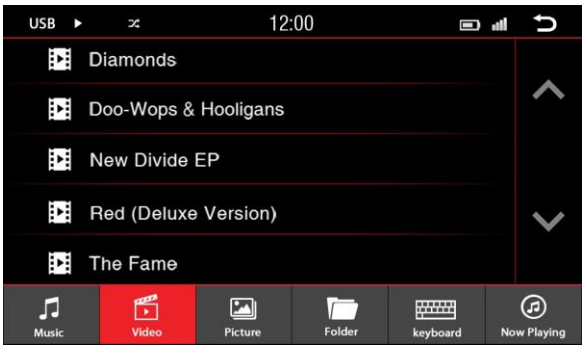
With an up and down motion, you can browse the songs in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

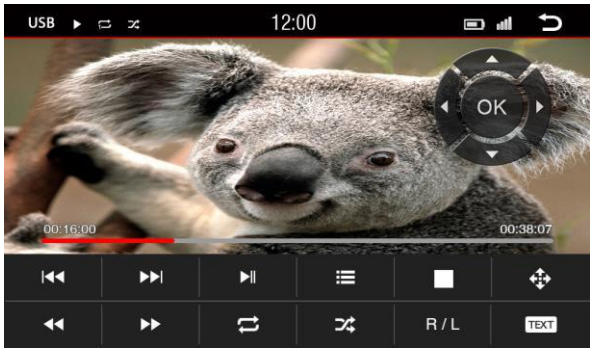
: Press this button to return to the previous menu.

Video Playback Menu



A short press on the title of a movie will begin playing it.

With an up and down motion, you can scroll the list of films in the displayed section.



With a short press on the buttons you can select the following:

: Previous track

: Next track

: Play / Pause

: Back to the play list

: Stop

: Control center

: No function

: Fast rewind

: Fast forward

: Repeat

: Shuffle

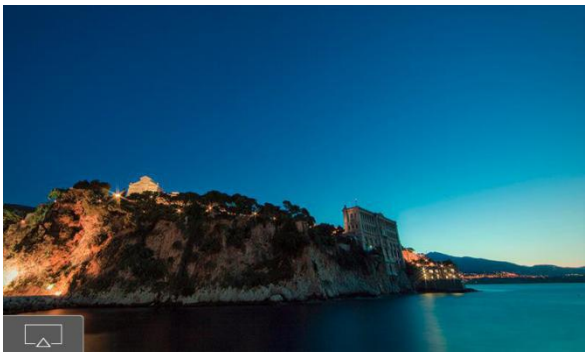
R / L : Switch the audio channel

: Return to the Main Menu

Image View Menu

A short press on one of the pictures will be displayed.

With an up and down motion, you can scroll through the pictures in the displayed section.

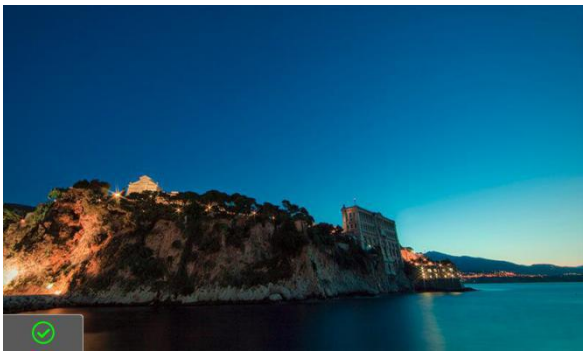


You can save images to the Dynavin from an SD Card or USB device. You can then select one to display as your Dynavin starts up.

You can use any picture you have stored on the SD card such as JPG, PNG or BMP files.

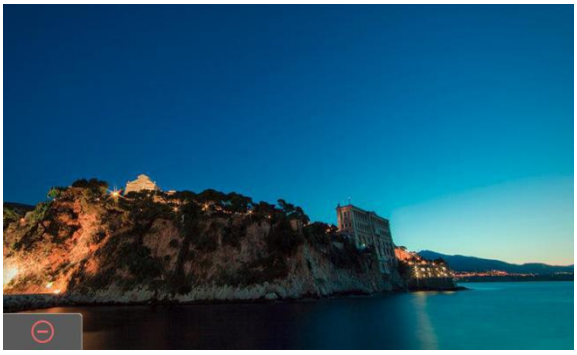
To change the startup screen, press the icon in the bottom left corner as shown in the picture above.

The image selected to be displayed during startup, will be confirmed by the green circled checkmark icon in the bottom left corner.

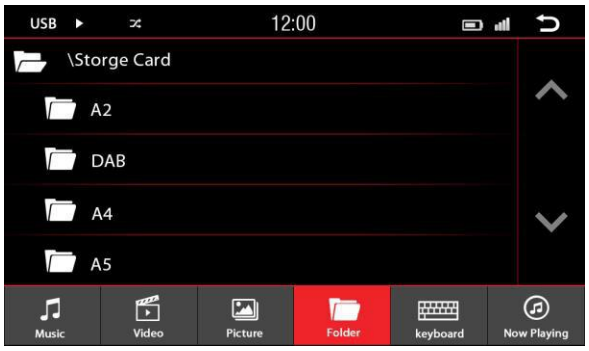


If you want to remove the image from the startup screen, press the green circled checkmark icon in the image again.

If the image is successfully removed as the startup image, a red circled dash will be shown.



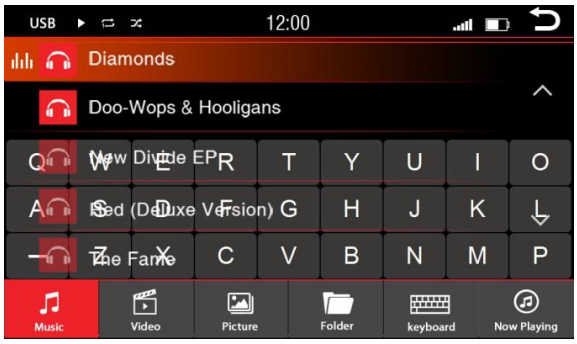
Folder Structure Menu



With an up and down motion, you can scroll to browse through the folders in the displayed section.

If you select a folder, you can access any sub-folders and available content.

If you touch the keyboard icon, you can open the search function. By typing on the keyboard, you can search for specific files and folders.



SD-Card

To access the SD card function, an SD card must be inserted in the MMC slot on the front panel of the Dynavin. The card can have a storage capacity of up to 64GB. (Note: Most Dynavin units only require a micro SD card while others may require a standard SD card or micro SD card with an SD card adapter.)

With a short press on the buttons you can select the following:

With an up and down scrolling motion, you can search the songs, artists, or playlists in the displayed section.

: Opens all music information on the SD media

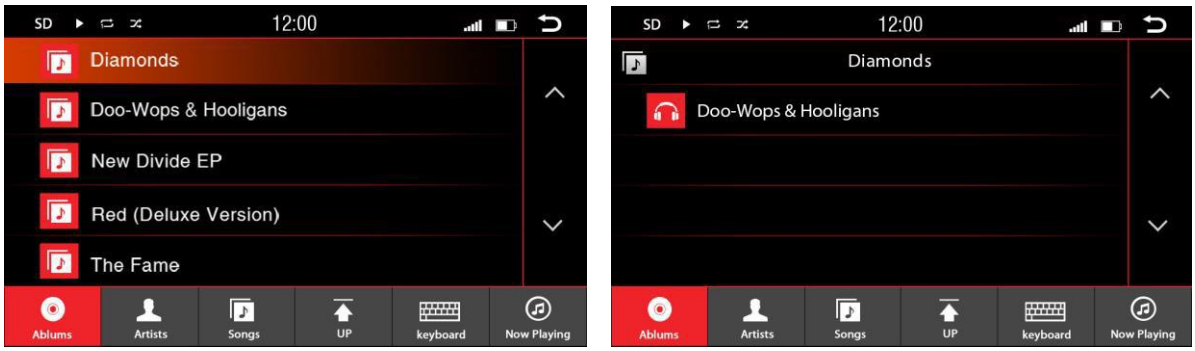
: Opens all movie files on the SD media

: Opens all image formations on the SD media

: Opens all the information of the SD in a directory structure

: Opens the Input menu to search
Opens the search window with a virtual keyboard.

Album Menu

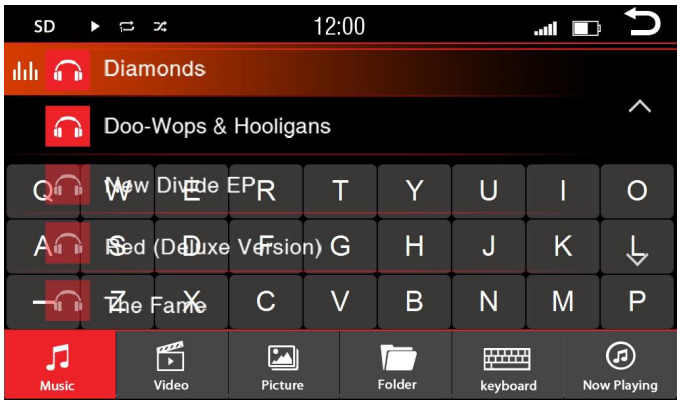


If you select the Album menu, you will see all albums which are stored like the picture above.

A short press on the album name will open it and all the songs stored in that album will be displayed.

A short press on one of the songs will play that song.

With an up and down motion, you can browse the songs or albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

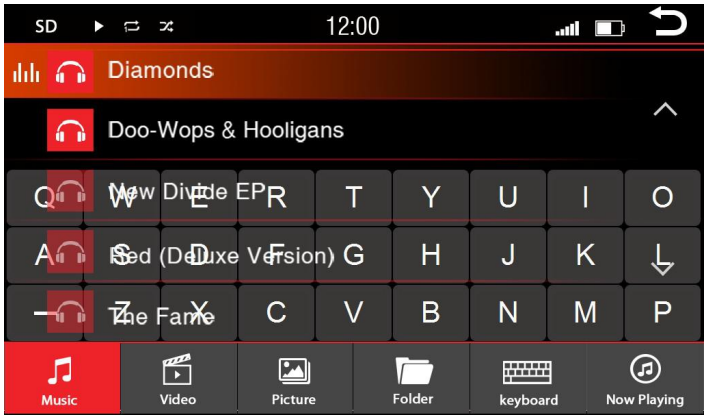
Artist Menu

If you select the Artist menu, you will see all artists which are stored like the picture above.

A short press on the name of an artist opens a new window with either all albums of that artist or the stored songs when no album is available.

Tap one of the songs to begin playing.

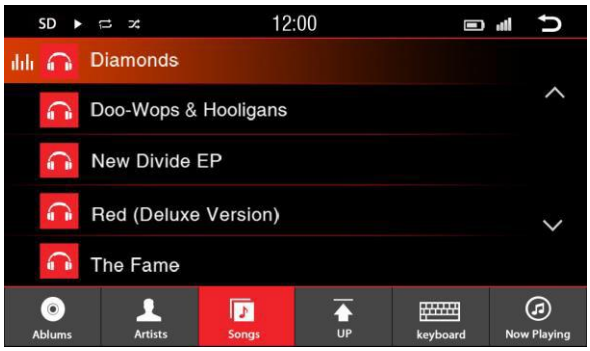
With an up and down motion, you can browse the songs, artists, albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

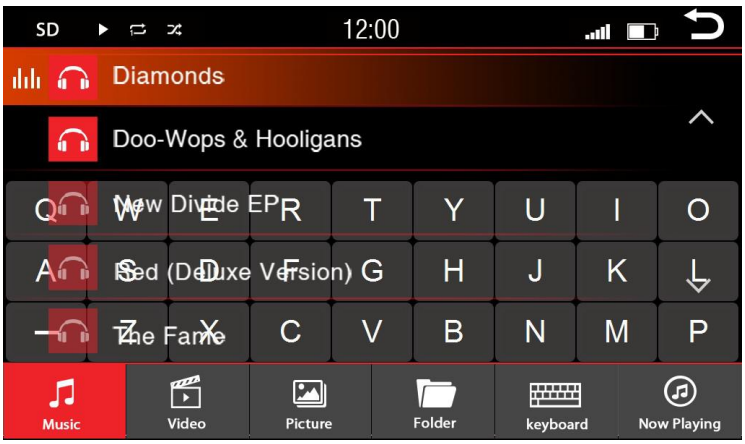
Song Menu



If you select the Song menu, you will see all songs (with titles) that are stored like the picture above.

Short press on the title of a song to play it. An icon to the left side of the song title will show you what song is currently playing.

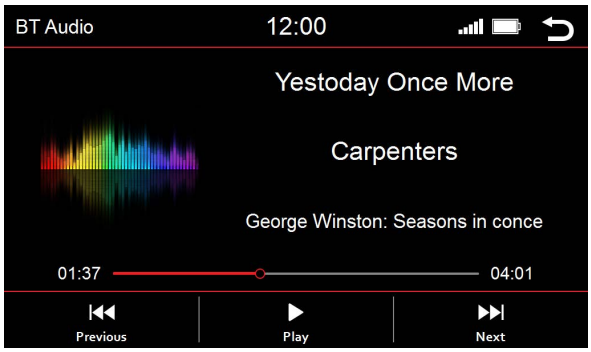
With an up and down motion, you can browse the songs in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

BT Audio Function



To use the BT Audio function you need to have your phone connected to the Dynavin and the mobile phone must support BT Audio function. (For pairing instructions, see Phone Function on page 27.)

In the Main Menu, scroll to the page with the BT Audio icon and select it with a short press.

: Previous track

: Play / Pause

: Next track

Aux Function

If you attach an external audio source, you can control this only on the connected device. You will not be able to control the device through the Dynavin.

To do this, use an adapter to the RCA connectors inputs in the back of the unit.

In the Main Menu, scroll to the page with the AV icon and select it with a short press.

: Back to main menu
Or, briefly press the SRC button on the front of the Dynavin unit.

Internal memory

The Dynavin unit has internal memory where you can store media such as music, pictures, or movies.

In the Main Menu, scroll to the page with the HDD icon and select it with a short press.

With an up and down scrolling motion, you can search the songs, artists, or playlists in the displayed section.

: Opens all music information on the HDD media

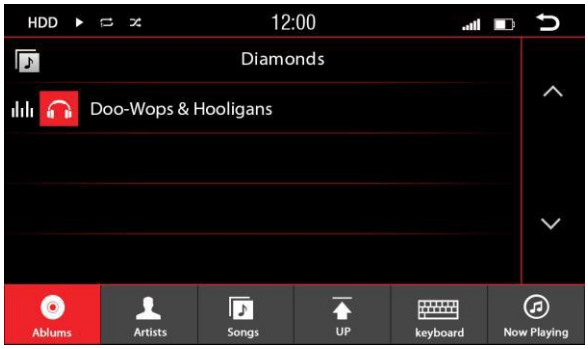
: Opens all movie files on the HDD media

: Opens all image formations on the HDD media

: Opens all the information of the HDD in a directory structure

: Opens the Input menu to search
Opens the search window with a virtual keyboard.

Album Menu

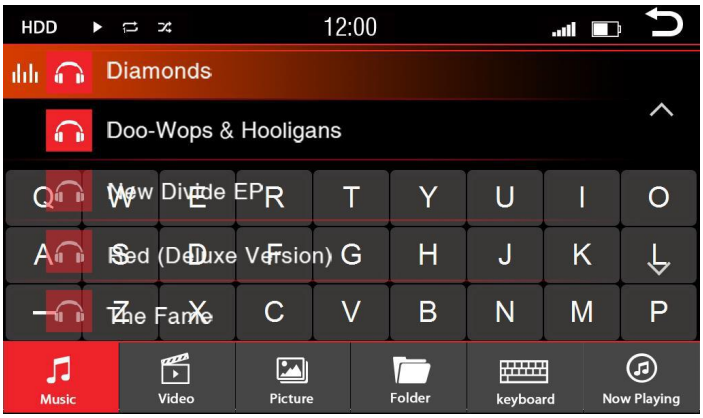


If you select the Album menu, you will see all albums which are stored like the picture above.

A short press on the album name will open it and all the songs stored in that album will be displayed.

A short press on one of the songs will play that song.

With an up and down motion, you can browse the songs or albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

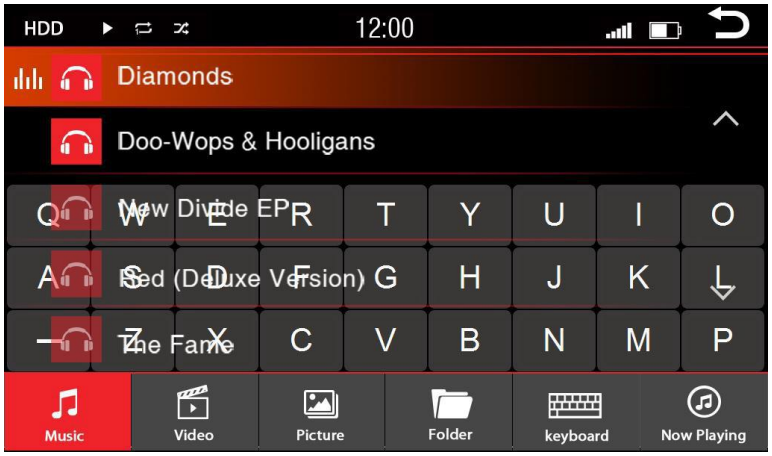
Artist Menu

If you select the Artist menu, you will see all artists which are stored like the picture above.

A short press on the name of an artist opens a new window with either all albums of that artist or the stored songs when no album is available.

Tap one of the songs to begin playing.

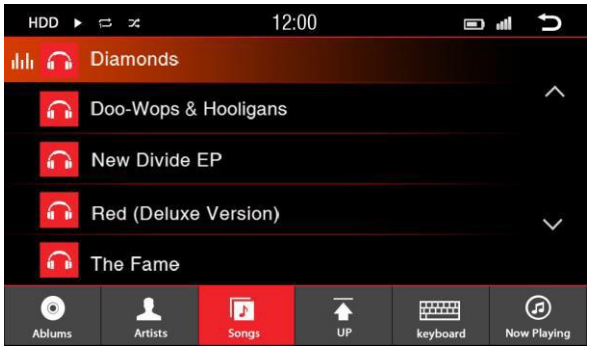
With an up and down motion, you can browse the songs, artists, albums in the displayed section.



If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

Song Menu



If you select the Song menu, you will see all songs (with titles) that are stored like the picture above.

Short press on the title of a song to play it. An icon to the left side of the song title will show you what song is currently playing.

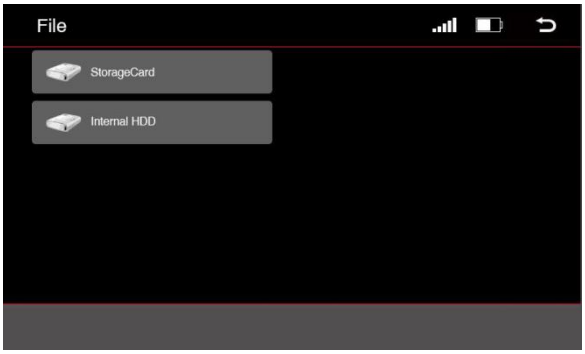
With an up and down motion, you can browse the songs in the displayed section.

If you want to browse the contents of the folder, use the search function in the menu. By pressing the keyboard icon, the virtual keyboard input option will be shown. Type the first letter of a title to browse the contents.

: Press this button to return to the previous menu.

Folder Options

This option is used to copy or transfer files from storage media to the internal memory.



You can only copy files from an SD card which must be inserted in the MMC slot.

On the Main Menu, select the File icon with a short press. Then, select Storage Card.

It will display a list of all files on the card. These are displayed in a folder structure.

Like on a PC, you can select files and, using the keyboard shortcuts at the bottom of the screen, you can copy, paste, or delete files.

Menu Function

: Copy file

: Paste file

: Choose all files

: Delete selected file

: Back to previous menu

: Back to main menu

Copying Files to Internal memory

Select a file that you would like to copy to the internal memory.

The file will be highlighted as shown above. You can also select multiple files by simply tapping another file.

Press the button to copy the files you want to transfer.

Press the Back key until you are in the Main Menu.

Select the HDD icon to access the internal memory.

If you see the directories, you can either choose a subfolder in which to store the selected files are you can store them into the root folder.

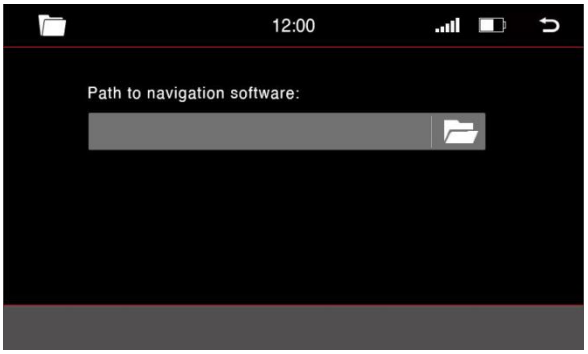
Press to paste the files in the selected folder.

Navigation

To use the Navigation, the navigation software micro SD Card must be inserted in the NAV slot on the front of the navigation system.

Almost any Windows-based navigation is compatible; however, the Dynavin will include the iGO-Primo Navigation software. Simply insert it into the NAV slot and select the Navigation icon from the Main Menu or press the NAV button on the front panel of the Dynavin. If you want to use your own software or the included software from Dynavin cannot be run, check the navigation software path settings below.

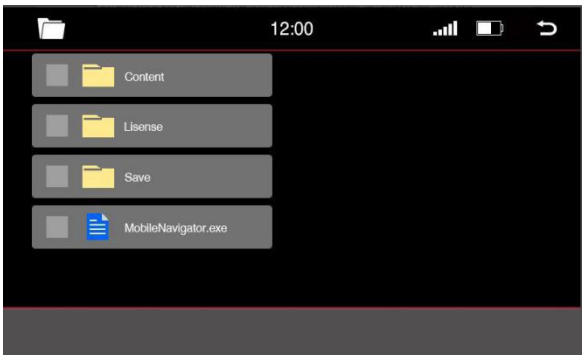
Navigation Software Path

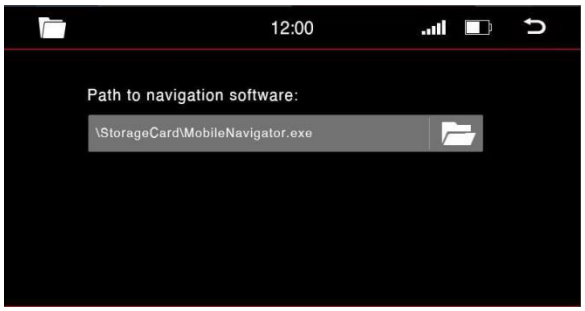


In the Main Menu, select the icon labeled Navi Path.

Click on the folder icon.
This takes you to the directory structure of the navigation map which is inserted into the SD card slot.

Once there, select the .EXE file. Depending on the software, this may be in a subfolder.



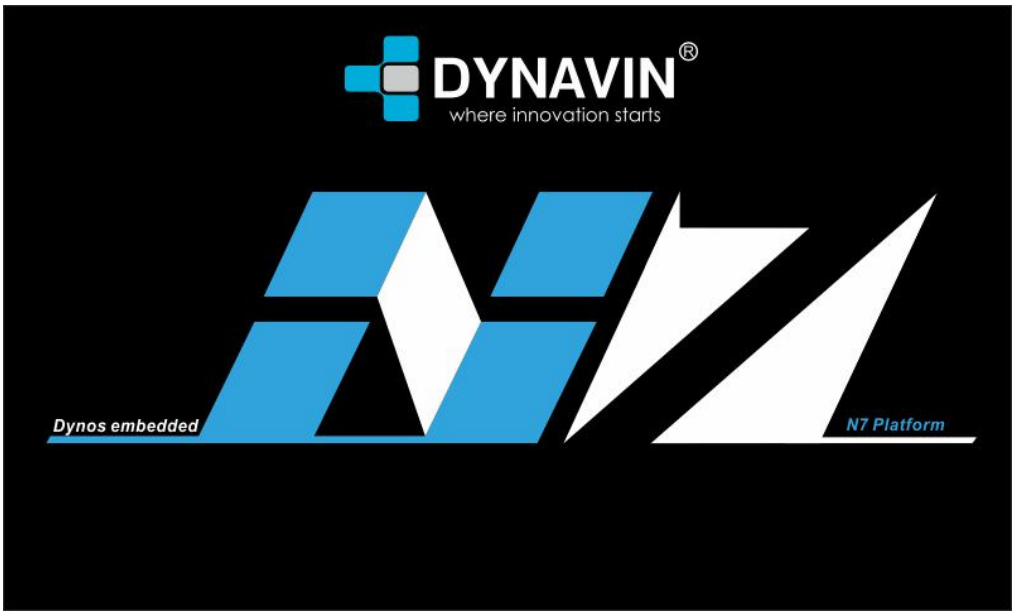


The correct path of the file should be shown as pictured to the left.

: Press this button to return to the previous menu.

Navigation Start-Up

Go to the Main Menu, click the icon for Navigation or select NAV on the front panel of the Dynavin. You will see the navigation loading screen as pictured below.



When you start the navigation for the first time, it may take several minutes to complete.
Also, you must first set some options of the Navigation software like Language, Time, and Voice.

For all the functions and options of the navigation software, please refer to the manual for the navigation software.

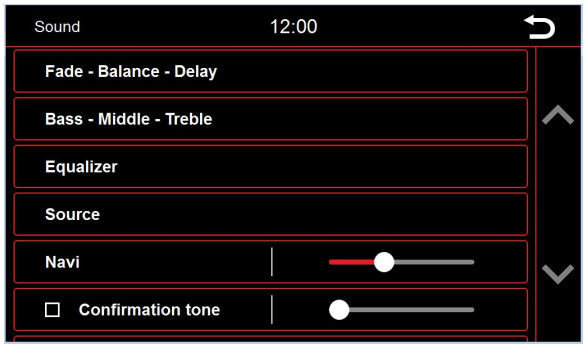
The Navigation Software will be included by Dynavin but is not a permanent part of the device. The navigation software SD card must be inserted all at times for it to function.

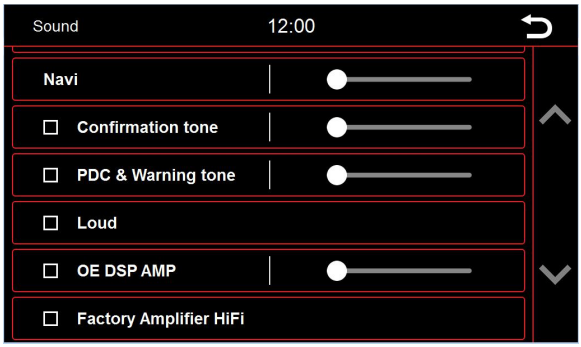
Sound Settings

The Dynavin N7 offers a wide range of adjustable sound settings.

This includes the ability to set the delay times on the seating position and the ability to activate an original active sound system such as a BMW with a DSP system.

Please refer to www.dynavin.com for vehicle sound system compatibility and functionality.





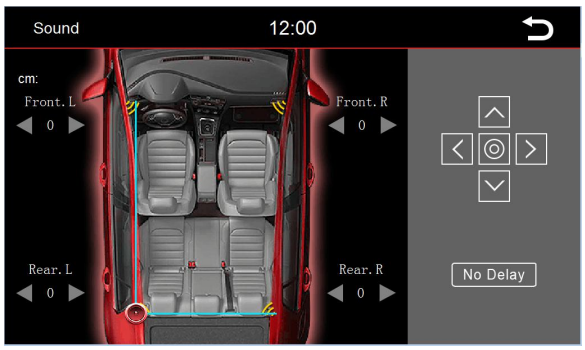
On the Main Menu, select the Audio icon. Select a setting with a short press.

For some setting options, you will be taken to a new menu to set more options.

: Press this button to return to the previous menu.

Fader – Balance – Delay

In the menu for Fader, Balance, and Delay you can set up the speakers so that they are leveled perfectly to your seating position.



Through a brief touch of the arrow icons, you can adjust the specified area.

With a long press on one of the settings, the setting will continue to change automatically.

Use the directional pad displayed on the right side to control the volume of individual speakers.

The arrows indicate the direction in which you move the center.
One press on the circle in the middle of the directional pad will center the selected setting.

The displayed crosshair on the vehicle indicates where the acoustic center is located.

With the speakers shown at each corner of the vehicle, you can set the duration. Once there, you can set the approximate distance in cm on how far your ear is located away from the speaker.

This can greatly enhance your music experience.

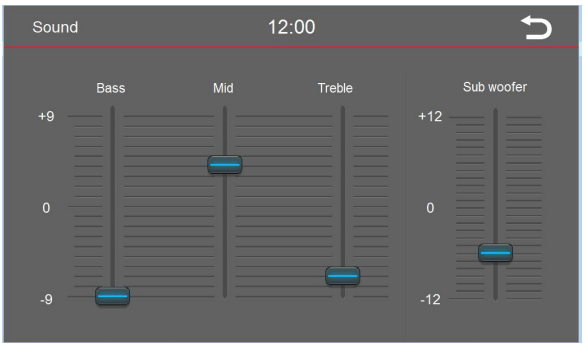
With the No-Delay button you can reset the settings.

: Press this button to return to the previous menu.

Bass – Middle – Treble

In this menu, you can adjust the highs, mids, and lows of your sound system.

You can adjust Bass, Middle, Treble, and Subwoofer (if connected) by simply moving the indicators up and down.



With an up and down scrolling motion, you can adjust the scroll bar to the desired position.

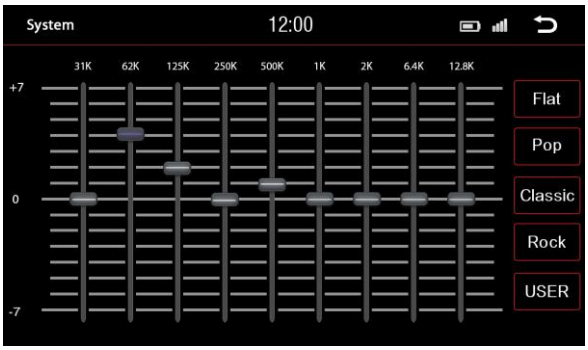
To do this, press the scroll bar. If the blue bar turns red, then that controller is selected.

: Press this button to return to the previous menu.

Equalizer

In this menu, you can set the frequency in a certain range. You can do this in five different frequency ranges. 80 Hz, 320 Hz, 1.9 kHz, 6.4 kHz and 12.8 kHz.

You also have the option to select preset values such as Flat, Pop, Classic, Rock, or you can select the USER button to customize the settings.



With an up and down scrolling motion, you can adjust the scroll bar to the desired position.

To do this, press the scroll bar. If the blue bar turns red, then that controller is selected.

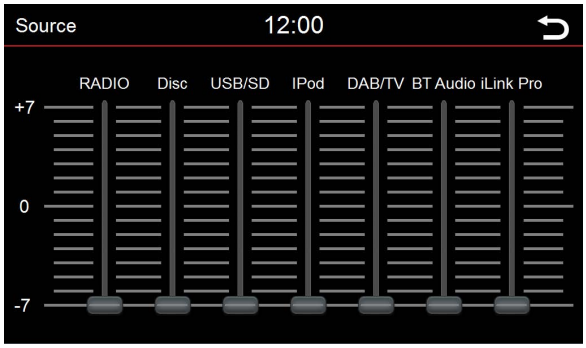
: Press this button to return to the previous menu.

Source

In this menu, you can set the volume level of specific audio sources.

If the scroll bar is in the 0 position, the volume is set by the volume control.

In the areas above or below 0, the volume is automatically adjusted by the set value.

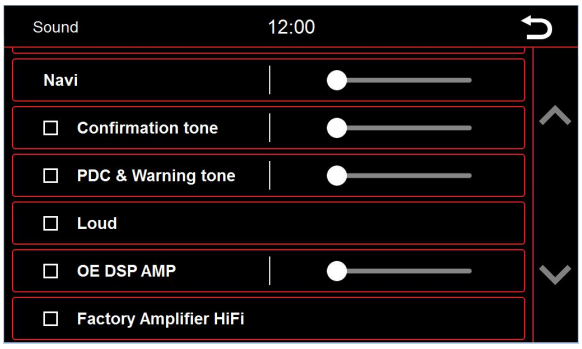


With an up and down scrolling motion, you can adjust the scroll bar to the desired position.

To do this, press the scroll bar. If the blue bar turns red, then that controller is selected.

: Press this button to return to the previous menu.

Other settings



Navi : This option allows you to adjust the navigation sound volume.

Confirmation tone : This option allows you to set the button confirmation sound. You can set the volume of this sound by adjusting the slider.

Warning & PDC tone : This option is specifically for the BMW E9X and E8X. If you select this option you can hear warning signals through the speakers. The warning beep includes seat belt reminders and so on.

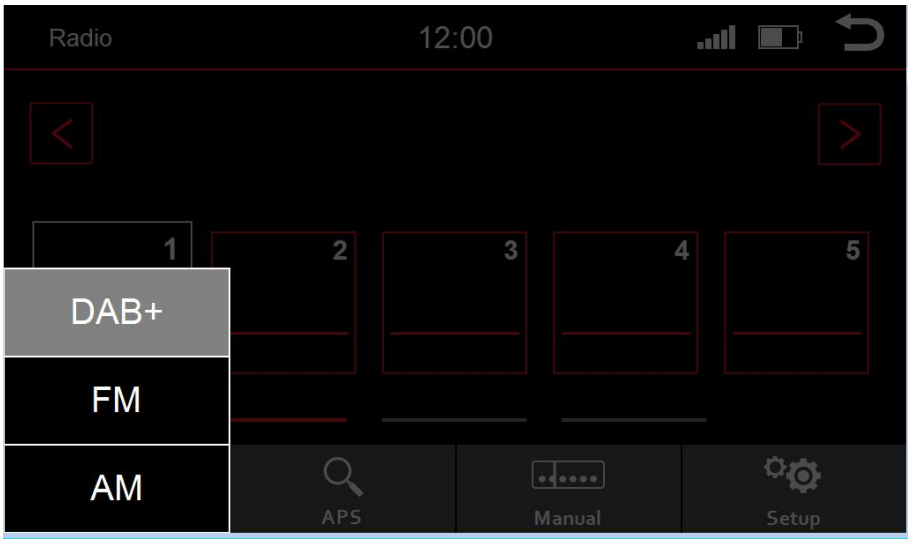
Loud : This option turns up the bass and treble to make the speakers sound a lot louder than the default settings.

OE DSP AMP : This option is only for cars with an original DSP amplifier, if the car has a DSP system, you can select it to adjust DSP output.

Factory Amplifier HiFi : This option is specifically for the **BMW E46, E39, and E53** without a DSP amplifier system. Selecting it can avoid sound distortion at high volumes.

With a slide movement, you can adjust the controller to the desired position.

DAB+



The New Dynavin unit will allow you to connect to other accessories (sold separately).

The Dynavin is compatible with a DAB tuner that allows you to upgrade your multimedia device with an external tuner developed by Dynavin. This allows you to receive and control digital television.

Visit www.dynavin.com for more information.

DVB-T

The new Dynavin unit allows you to connect with other accessories (sold separately).

Dynavin has a DVB-T tuner that allows you to upgrade your multimedia device with an external tuner developed by Dynavin. This allows you to receive and control digital television.

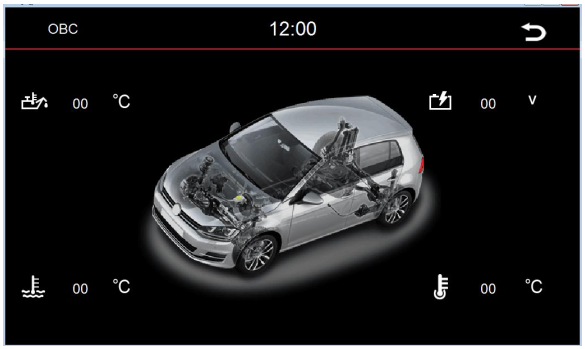
Visit www.dynavin.com for more information.

OBD

The Dynavin unit provides you with the option to display some vehicle car information.

The information displayed depends upon the make, model, year of the vehicle as well as its software version. Therefore, the information displayed varies from vehicle to vehicle. The Dynavin has limited ability to read car information. Vehicle information details cannot be given or guaranteed before the installation of the unit.

If some information is not displayed in the system, it is possible that the Dynavin unit cannot read this information with the current firmware. You may need to update to the current firmware. (See page 74 for instructions on how to update your Dynavin's firmware.)



Some of the information that can be read by the Dynavin (varies by vehicle):

Engine Oil Temperature

Battery Voltage

Coolant Liquid Temperature

Outside Temperature

The information displayed does not replace the vehicle's information.
If warnings from the vehicle's own monitoring stations take place, immediately seek a specialist workshop even if the information of the Dynavin unit may be displayed normally.

Time synchronization (except MC2000)

This function may only be used in Mercedes vehicles except for the MC2000.

Dynavin offers you the opportunity to remove the original Mercedes navigation unit to match the time of the on-board clock with the Dynavin.

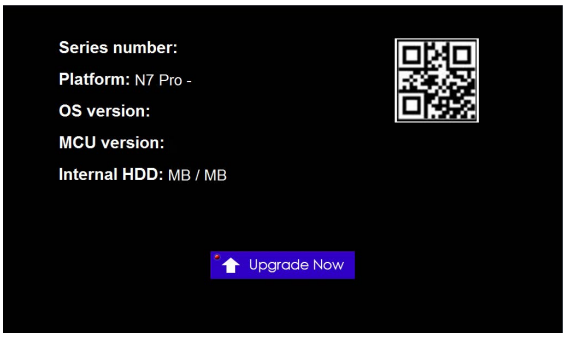
This is only compatible if you have connected the unit through a supported car.

To activate, go to the Main Menu and select the Clock Sync icon with a short press.

The clock in the cluster display will then be synchronized with the time on the Dynavin unit.

Updating Unit Firmware

In the Main Menu, select the Info icon. Here you will find some of the Dynavin's system information and the ability to update its firmware.



Here you can see, for example, the version of the DynOS operating system, serial number, and how much internal memory you available.

Before Installing:

You only need to update the firmware if your Dynavin is not functioning normally or if you are explicitly instructed on Dynavin's homepage or by a Dynavin distributor to do so.

Each update will be installed at your own risk. Dynavin is not responsibility for errors which may occur during the update resulting in the malfunctioning of the unit. Please ensure that during a firmware install that you have constant power to the unit and there is no power failure or other voltage fluctuations. This may interfere with the update process and make the device unusable.

Use only media cards which are 100% failure free. If you use a defective memory card it is possible that the update will not be able to install or that the update will damage your unit.

Use only firmware updates for your Dynavin that are approved by Dynavin and are found on Dynavin's website. Visit **www.dynavin.com** for available updates and to determine whether your Dynavin requires an update.

On the Dynavin homepage, follow the instructions for downloading the firmware.

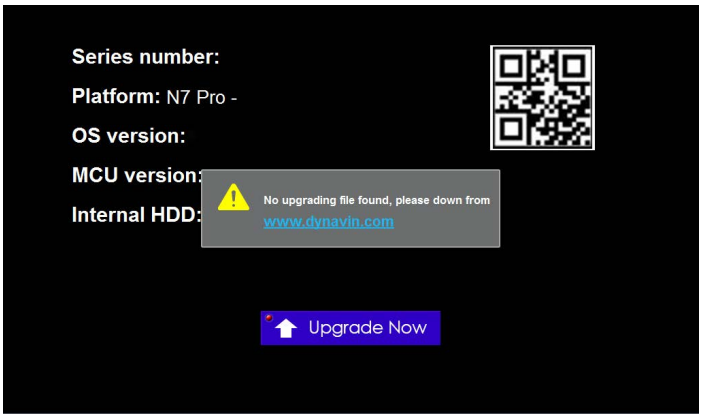
Download the available update firmware for your Dynavin onto an SD Card. (The card must be formatted with the FAT 16/31 file system.)

You must extract the files and place them individually in the root directory (not in a folder).

Insert the card into the MMC SD card slot. (Depending on your Dynavin, you may need a micro SD card or a standard SD card.)

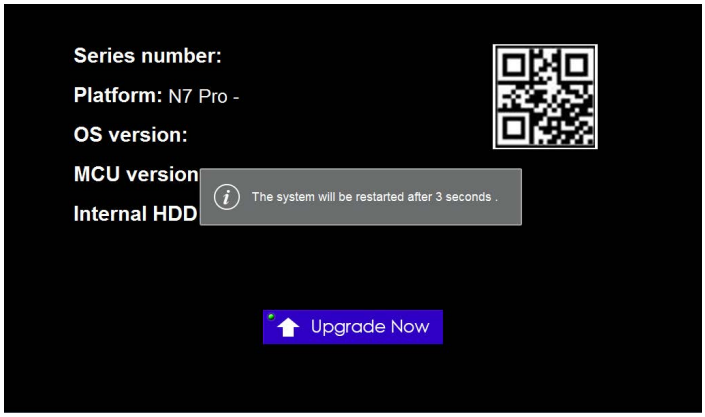
Click the Upgrade Now button:

If there is no update software on the card or you did not first extract the files, you will get a note as pictured below.



Only when the system finds the correct files on the card will the process continued.

Once the system update software is detected, the small light in the top left corner of the Upgrade Now button will turn green. Once the button is pressed, the Dynavin will begin downloading the firmware (do not remove the SD card). Once it has finished downloading, the unit will restart and install the update automatically. It is possible that you will see a black screen for a brief time.
The whole process will take about 3-5 minutes.



Product Specifications

General Information:

Operating Voltage: 12 V DC
Working range: 11V - 16V
Current Consumption: Max. 15A
Dimensions: Varies depending on the design of the unit
Mass: Varies depending on the design of the unit
Display dimension: 6.2 "-7" Depending on the model
Backlight LED Temperature working range: -10 ° C to + 70 ° C
Internal memory 4 GB iPod® control via the USB input
Automatic signal detection NTSC / PAL
Compatible with the original PDC and rear-view camera (depending on vehicle and compatibility)

Display Specifications:

Aspect Ratio: 16:9
Resolution: 7 "/ 9"/ 10.1": 1024 x 600; 6.2": 800 x 480
Display Type: TFT touch screen
Temperature Range: -20 ° C to + 80 ° C

Radio Specifications:

FM Tuner
Frequency range 87.5-108 MHz
AF 80 dB
Signal to Noise 64 dB
Coverage area 2dB
Mono sensitivity 8.1 dBf (0.7 µV / 75 ohms)
MW Tuner
Frequency range 531Hz-1.602kHz
Sensitivity (IEC standard): 25.1 / 28.0 (µV / dBf)

CD Player

Frequency response: 20Hz ~ 27kHz ± 2dB
Channel separation: 1kHz - 65dB
Dynamic range: 1kHz 85 dB
Harmonic distortion at 1 kHz 0.01%
Signal to Noise: 100dB
Video Out 1V p-p (75 ohm)
Video Signal to Noise: 60dB

USB Specifications:

USB standard 1.1 / 2.0
Max. Current output: ~ 1000mA
File system: FAT 16/32
Decoding: WMA / AAC / MP3
Two-channel (stereo)

SD Specifications:

File system: FAT 16/32
Decoding WMA / AAC / MP3
Two-channel (stereo)

BT Specifications :

Frequency range
Output power + 4dBm Max
HFP (Hands Free Profile)
HSP (Head Set Profile)
PBAP (Phonebook Access Profile)

Audio Specifications :

Maximum output power: 4 * 50W
Speaker Impedance 4-8 Ohm
Pre-Out: 4V
MP3 audio file format (MP1 / MP2 / MP3). AAC. FLAC. APE
Subwoofer Level Adjustment: 0 to 7
Bass Level Control Range: -7 to +7
Bass Center Frequency: 100Hz
Treble Level Control Range: -7 to +7
Treble Center Frequency: 10
Time Correction: 0-5 ms (0.1ms)
Graphic Equalizer: 7 band (80, 250, 500, 1k, 4k, 8k, 16kHz),
Adjustable Output Level -6 to + 6dB

Supported Video Files:

MPEG: *.mpg, *.mpeg, *.dat, *.vob
AVI: *.avi, *.xvid
RM: *rm, *rmvb
FLV , ASF/ WMV
MP4: *.mp4, *.mov
MKV , OGM

Supported Image Files:
JPEG, PNG, GIF

FAQ / Troubleshooting

If during installation or in operating the device you encounter problems not addressed in this manual, please contact the manufacturer or your dealer/distributor. Visit Dynavin's homepage at **www.dynavin.com** for FAQ's or troubleshooting information.

DYNAVIN®
where innovation starts

Dynavin GmbH
Siemensstr.7
D-76316 Malsch
Deutschland

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