



Multimedia navigation system

for Toyota cars

with OEM Touch 2 head unit



TOYOTA

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General

Navigation system for Toyota cars with Touch 2 system is equipped with 3 navigation applications: Yandex navigator, Navitel navigator and iGO Primo. User can switch between applications in the settings. Navigation box allows you to playback audio and video content from external USB drives as well. If there's a connected modem, navigation applications will display information about traffic in real time (if this function is supported). System menu design is the same as the OEM menu of Touch 2 system. No additional applications can be installed by the user.

Package Contents

Navigation box
Main connection cable
LVDS cable
AUX cable
GPS antenna
Extension cable
for 3G/GPRS modem
connection
Extension cable for USB drive
connection
Connector

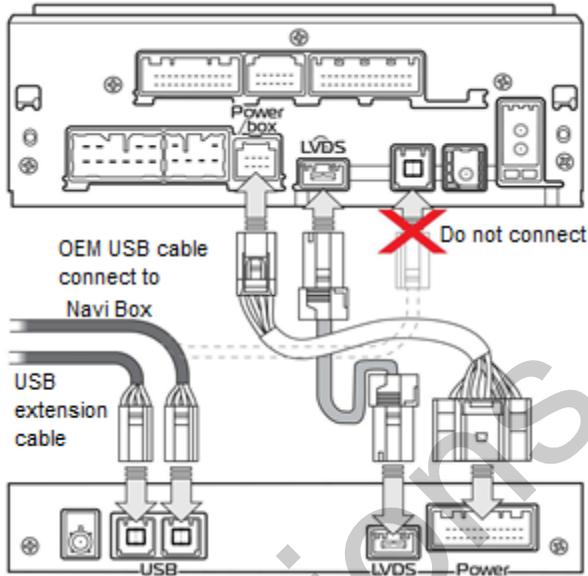


Control



Installation

The box is installed in the OEM place underneath the OEM car radio. It offers simple Plug&Play connection.



During installation, make sure that Wi-Fi and Bluetooth antennas are not placed orthogonally to the box and are not attached to its body.

The GPS antenna should be installed in the space under the panel and should not be installed on top of the car radio. The cable should not be curled into a ring.



After everything is connected, the system boots up automatically and does not require any additional actions from the user. The system takes about 25-30 seconds to boot up for the first time. After the car is powered off the system enters a "sleep mode". When the car is powered up again it boots up from the "sleep mode" within 3-5 seconds.

Safety measures

For your own safety, please do not watch a video and do not adjust the system while driving. Make sure the volume settings allow you to hear everything around while the car is moving. Read this manual carefully before using the navigation system. Keep this manual in the car at all times to be able to refer to it at any moment for required information.

Make sure your behavior is safe for both you and others while you are driving.

If you are experiencing any issues with the device, park your car in a safe place and only then look for solutions.

Do not allow children to use the device without adult supervision.

While using a GPS navigation system, always follow traffic rules and pay attention to what is happening around you.

Do not use the device in places where it is prohibited to use electronic devices, in places with access to flammable materials or places with strong electromagnetic interference.

Unauthorized modifications, service or installation of the device are prohibited. People without proper training in electronics or car accessory installation, or people who do not have experience in installing such devices should not perform the installation in order to avoid risks of causing harm to the device and/or their health.

Do not install or keep the device in places with direct sunlight, in buildings with dangerous materials or air conditioning. LCD displays, installed at low temperatures (when exposed to air masses cooled down by an air conditioning system) or that were exposed to hot air masses are susceptible to damage and can even cause harm to the car and/or the user.

Sharp objects should not be used to press or clean the display to avoid causing damage.

To make sure the device operates properly and to avoid risks of causing fires and/or electric shocks, do not keep the device in places with high humidity or direct sunlight and make sure the device does not come in direct contact with flammable or other types of liquids.

Media

Media menu consists of a list of multimedia functions:

- **AM** – radio
- **FM** – radio
- **AUX** – OEM audio input
- **APP** – launch the last multimedia application that was used (check Online function)
- **A/V** – OEM audio, video input (if the car is equipped with one)
- **CD** – CD player (if a CD drive unit is installed)
- **USB** – media player (audio and video files)
- **Bluetooth** – audio player



AM radio

OEM audio playback interface is used



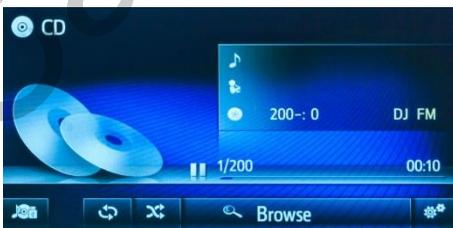
FM radio

OEM audio playback interface is used



CD player

OEM audio playback interface is used



Bluetooth player

Playback of audio files (A2DP).

Connect a cellphone in order to launch the player (check Bluetooth section).



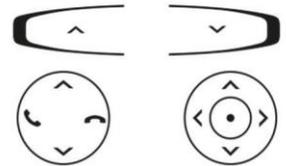
After the phone is connected, the system switches to the player automatically. You can also do it by pressing the Bluetooth icon in the Media section.



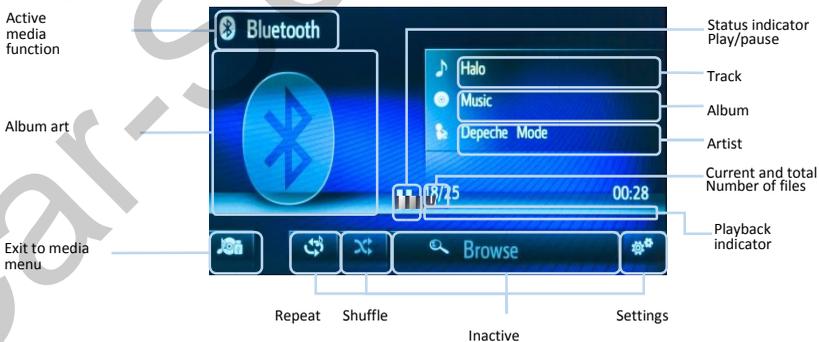
Audio file playback

Audio playback can be controlled in any of the following ways:

- With buttons on the front side of the multimedia system (depending on the mode);
- With buttons on the steering wheel (depending on car equipment);
- With buttons in the menu of the device



Pressing one of the listed buttons causes switching to the next/previous track. By pressing and holding one of the buttons you can rewind or skip forward on the same track.



Album art – displays album art if it's present in the tags of the track that is being played.

Return to media menu – when returning to the Media menu, playback of the track does not stop.

Browse – inactive.

Playback status indicator – displays the current playback status and also serves as a Stop/Resume button.

1/1 – indicator that shows current (before slash) and total number (after slash) of files that is present on the device.

Playback indicator – displays the current time of the played track; does not allow skipping to a specific time on the track.

USB player

This device can play audio and video files of various formats from external USB drives.

Audio formats:

*.MP3, *.WMA, *.WAV, *.ACC, *.OGG, *.FLAC

Video formats

*.AVI, *.MKV, *.MP4, *.3GP, *.MPG, *.WMV

The device is equipped with 2 USB inputs; according to the connection diagram, one input is placed in the glove compartment (using an extension cable) and the other one is connected to the OEM USB input in the car console. Both inputs work in the same way. Only one USB drive can be connected to the navigation box at a time.

Use a separate drive for the navigation box. Make sure there's a minimum amount of non-media files on the drive, or, if possible that there are no non-media files on the drive at all. Only FAT32 drives are supported (up to 64 GB). We do not recommend connecting external hard drives as it may cause the system to work slower or to freeze. Following these recommendations will guarantee correct and stable operation of the USB player.

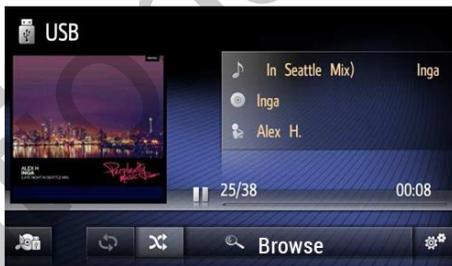
When a USB drive is connected, the USB icon becomes active and the multimedia playback section becomes active (audio and video files). If the car radio is in the "Audio off" mode, the player will start automatically after a drive is connected. If you have a different audio source active when the drive is connected, activate the USB icon to switch to the USB drive.

When a drive is connected for the first time, the system scans it and indexes all media files to be able to work with them later on. This process can take some time to complete,

depending on the amount of information present on the drive. Therefore, do not restart or shut down the system and do not remove the drive before the process is finished.

If the same drive is connected again at a later time, this process will take considerably less time (provided that no other drives were connected to the system). After the car is powered off, the system remembers the status and comes back to it when the power is switched on again.

When the drive is removed, the system switches to a standby mode. An "Audio off" message appears on the display and the USB section deactivates (indicated by the inactive USB icon). When the drive is connected again, the system resumes audio playback from the exact place



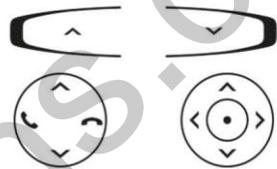
where it stopped when the drive was removed. If a video file was being played, the system switches to audio playback section.

Audio/video file playback

When a drive is connected for the first time, USB player switches to Browse mode for the user to select media files. In Browse mode you can select a file (or files) by tags or folders, or choose video files. After you've picked the files you want the system begins playback.

Control can be done with any of the following methods:

- With buttons on the front side of the multimedia system (depending on the mode);
- With buttons on the steering wheel (depending on car equipment);
- With buttons in the menu of the device;



Pressing one of the listed buttons causes switching to the next/previous track. By pressing and holding one of the buttons you can rewind or skip forward on the same track.

Audio player



Album art – displays album art if it's present in the tags of the track that is being played.

Return to media menu – when returning to the Media menu, playback of the track does not stop.

Browse files – switches to browsing through files on the USB drive.

Playback status indicator – displays the current playback status and also serves as a Stop/Resume button.

1/29 – indicator that shows the current file (before slash) and the total number of files (after slash) present on the device.

Playback indicator – displays the current time of the played track; does not allow skipping to a specific time on the track.

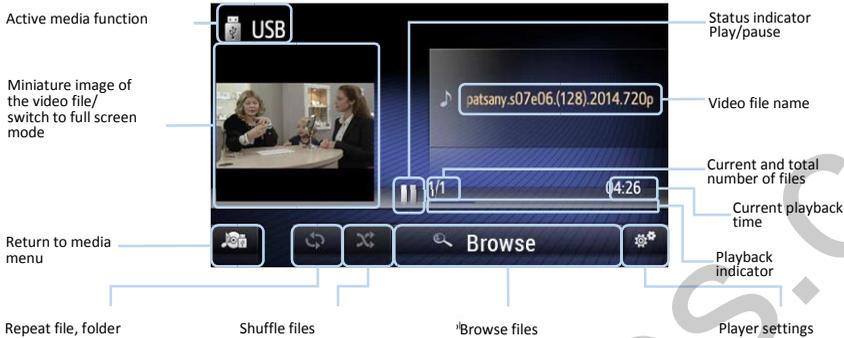
Repeat file or folder – repeated playback of the current file or all files in the current folder.

Shuffle tracks – playback current file list in random order.

Player settings – the same audio file playback control functions.

The video player launches after selecting a video file in the Browse section.

Video player



Miniature image of the video file – displays a miniature image of the video file that is being played; press on the image once to switch to full screen.

Return to media menu – when returning to the main menu, file playback is paused.

Browse files – switches to browsing through files on the USB drive.

Playback status indicator – displays current playback status and also serves as a Stop/Resume button.

1/29 – indicator that shows the current file (before slash) and the total number of files (after slash) present on the device.

Playback indicator – displays current time of the played track; does not allow skipping to a different time of the track.

Repeat file or folder – repeated playback of the current file or all files in the current folder.

Shuffle files – playback current file list in random order.

Player settings – the same video file playback control functions.

Browse

Browse Audio Files mode is activated by pressing the Browse button from the audio player menu, or automatically when the drive is connected for the first time. File list is displayed and sorted by various tags: artists, albums, tracks, genres.

Path – sorted by folders.

Video – sorted by video files.

Video files are displayed as a single list.



Select a file by pressing the file name once – only this file will be played.
To choose all files from a folder press Play all.
When switching to Browse mode, video file playback will pause.



USB player settings

- Browse for music** – switch to Browse mode.
- Normal play order** – play files in normal order without repeating.
- Random** – play files in random order.
- Repeat track** – repeated playback of the current track.
- Repeat folder** – repeated playback of all files in the current folder.



Setup

- General
- Connectivity
- Display
- Phone
- Audio
- Vehicle



General

Language – choose system language.

Volume settings :

- Navigation volume (check Navigation section);
- Phone volume (check Bluetooth section);
- Ringtone volume (check Bluetooth section);

Button sensitivity – changes button sensitivity of car radios equipped with touch screen buttons.

Beep – sound indication of pressing buttons on the screen.

Time settings – time settings mode allows synchronizing time via GPS or Wi-Fi with time zone correction.

Default navigation (check Navigation section)

System information – displays identifier and software version.

Remove Google account – (check Online section).



Display

Day mode – set Day mode.

Screen off – switches the screen off.

Contrast and brightness – adjust contrast and brightness.

Video :

- Contrast and brightness – adjust contrast and brightness of the OEM video input.

Camera:

- Contrast and brightness – adjust contrast and brightness of the OEM camera or surround view camera system.



Audio

Bass/Mid/Treble – adjust OEM sound system settings.

Balance/Fader – balance and fader control.

Automatic sound levelizer – adjust the settings of automatic sound levelizer function (ASL).

Surround sound – switch surround sound on/off (for cars with external amplifier).



Connectivity

Bluetooth - (check Bluetooth section).

WIFI - (check Internet Connection section).

3G - (check Internet Connection section).

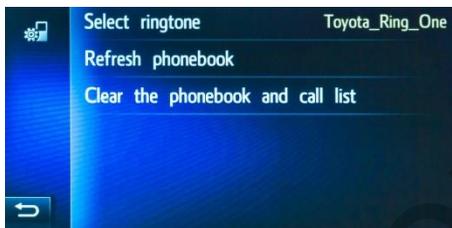


Phone

Select ringtone (check Bluetooth section).

Refresh phonebook (check Bluetooth section).

Clear the phonebook and call list (check Bluetooth section).



Vehicle

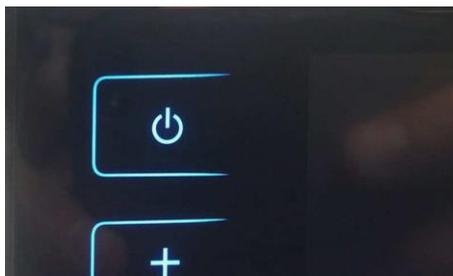
Switch to OEM car settings control (if they are present).



Restart

If any issues occur while using the device, you can perform a restart (reset) by pressing the power button or the sensor power button (for car radios with touch screens) for 4-5 seconds.

During this process the system closes all applications, erases all errors and clears Cache memory.



Internet connection

Wi-Fi

Setup → Connectivity → WIFI

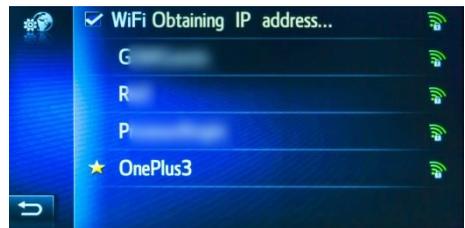
In order to connect to the Internet via Wi-Fi, check the Wi-Fi option in the network search interface. The system will then search for available networks. Choose the necessary connection from the list.



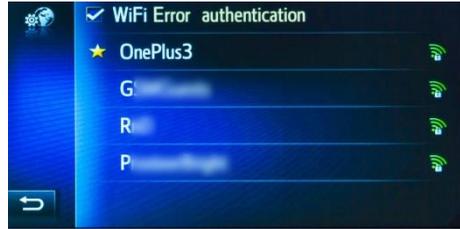
The connection process will start immediately if the network is not password protected. Otherwise, an interface will appear for entering a password. Enter the password and press OK.



After pressing OK, the system will switch back to the network list and the connection process will start. "Obtaining IP address" message will appear next to the Wi-Fi option. If the connection process is successful, the name of your network will appear instead of the "Obtaining IP address" message. If the process is not successful, the name of your network will not appear.



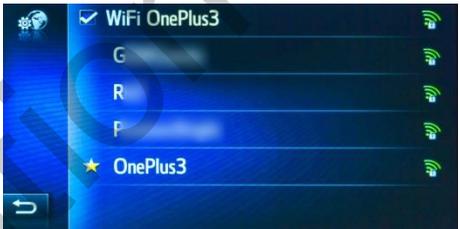
Unsuccessful connection will be accompanied by the “Authentication error” message.



After successful connection you will be able to check the status and information about your network by pressing its name. The Forget button will also be available.



After you have entered the password for your network (regardless whether the connection was successful or not) it will become a part of the “favorites” list, which will be indicated by a star icon next to its name (a network will become a “favorite” no matter whether you were able to connect or not).



The system saves the password and will automatically connect to a “favorite” network. You can connect to a “favorite” network by pressing the Connect button, or forget (erase the password) by pressing the Forget button.



If you were not able to connect to a network:

- Check whether you have entered the password correctly (“forget” the password and enter it again);
- The same approach should be used for a “favorite” network;

This navigation system supports the following Huawei 3G modems: E1550, E160, E161, E163, E171, E173. Modems should be set into a “Modem for a mobile device” mode before use.

Setup → Connectivity → 3G

3G modem is connected to a USB input. Make sure that the SIM card is not PIN code protected, that it has a positive balance and 3G megabytes are available. 3G connection will not be active if a 3G modem is not connected.

A light indicator on the modem signals that it is connected successfully (placement and appearance of the indicator differs depending on the modem model). A flashing indicator means the modem is trying to connect to the system and automatically adjust all of the necessary settings. After the modem has successfully connected to the system, the 3G Connecting line will become active. A lit up indicator signals about active data transfer (internet connection).



If you were not able to connect to the internet via 3G:

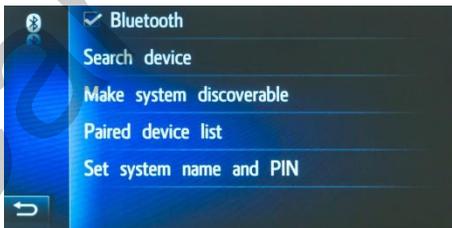
- Make sure your modem is operating in the “Modem for a mobile device” mode (contact the seller of your modem);
- Restart the system and/or the modem.

Bluetooth

Phone

Setup → Connectivity → Bluetooth

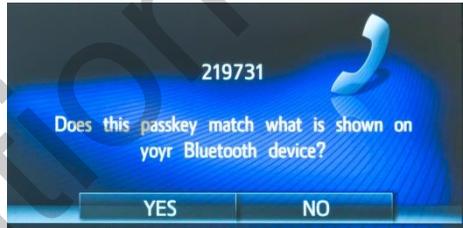
Up to five paired mobile phones can be connected to the system.



Check the Bluetooth option. Activate Bluetooth on the mobile phone. Enter the Search Device section. The system will search for devices. When a mobile phone is found, its name will be displayed on the screen.



Choose a phone you would like to connect and press its name. The system will show 2 messages: one that indicates that the connection process has started and the other one that will provide you with a passkey you will need to enter to complete the connection process. A message will also appear on your phone, asking you to confirm the connection (for Android devices, the message will ask for access to contacts).



After confirmation on the phone and on the head unit, the connection will appear in the list of previously found devices with two square indicators on the right side (Connect for the phone and Connect for music). Connect the phone by pressing the square phone indicator. Blue indication of the square phone icon signals about the successful connection. Press the phone name and then the Delete Pairing button to delete the connection.



After successfully connecting the phone for music you can activate the **Bluetooth audio player** in the Media section.

If you were not able to connect the phone:

- Restart the system;
- Restart the phone;
- Check the phone name (if there are Cyrillic symbols in the name, they should be changed to Latin);
- Delete the connection from the system and the phone and try again (if the phone was connected before).

Phone interface

To enter the Phone interface, press the handset icon on the car radio panel or the handset button on the steering wheel. There are three sections in this interface:

- Dial;
- Contacts;
- Call lists.



Dial

By pressing the Dial icon you will enter the Dial number interface where you can enter telephone numbers and make calls.



Outgoing calls

You can make calls from:

- Dial interface – by entering the phone number on the keyboard and pressing the Call button;
- From the connected phone;
- From the Contacts section by choosing a name and pressing the telephone number;
- From Call lists by pressing the name (if the phonebook is imported) or the number (if the phonebook is not imported).

After performing one of the listed actions, the system will switch to the dial window. When the subscriber answers the call, the system will switch to the dialog window.



Incoming calls

You can accept incoming calls in one of the following ways:

- By pressing the Accept button on the car radio monitor;
- By answering the connected cell phone (in some cases, audio may be directed to the phone; select Navitouch HandsFree as the audio source on your phone to switch to Bluetooth);
- By pressing the Accept Call button on the steering wheel.



Call window

The Dialog call window includes information about the call and makes it possible to control the call.



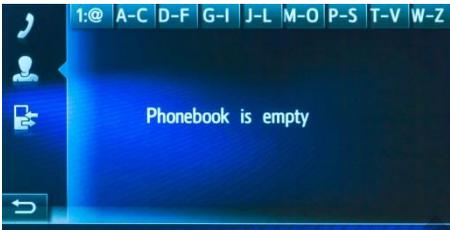
Phonebook

Phonebook can be imported in one of the following ways:

- When signing into Google Account in Play Market, contacts from the account are automatically imported. When the account is deleted, contacts are also deleted automatically (check Online Services);
- Import contacts from the phone via Bluetooth.

Importing the phonebook via Bluetooth

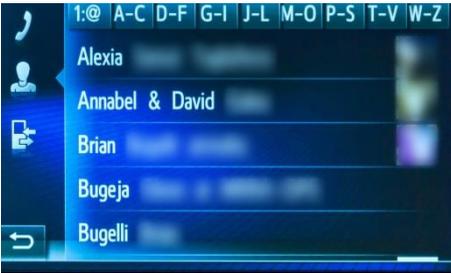
Press the Contacts icon to import the phonebook. **“Phonebook is empty”** message will appear on the screen. The system will offer to **“Start importing the phonebook”**.



After confirmation, the system will inform **“Wait, preparing phonebook”** - the system is downloading the phonebook. After the phonebook is prepared, the system will inform **“Importing phonebook, imported XX out of XX”** – the system is copying the phonebook into Contacts.



The phonebook will appear in Contacts after the import process has finished. It is possible to save several telephone numbers under one name. Also, there is an alphabet search option in the top part of the phonebook interface.



Important: For Android phones, it is necessary to provide access to contacts when connecting or while using the phone.

When signing into a Google account, contacts imported via Bluetooth will automatically synchronize with the account.

Be careful not to synchronize your contacts with the wrong Google account.

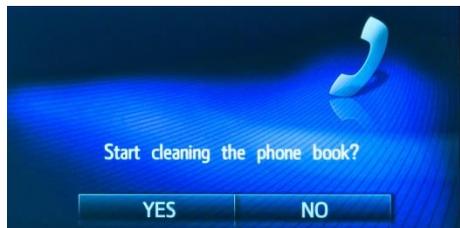
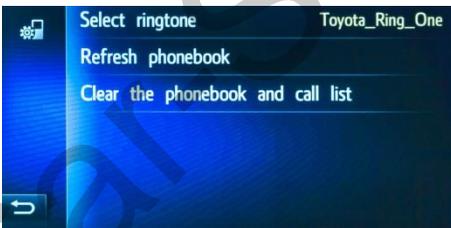
If you were not able to import the phonebook:

- Make sure you have allowed access to phone contacts (for Android phones).
- Repeat the phonebook import process; something may have gone wrong the first time.

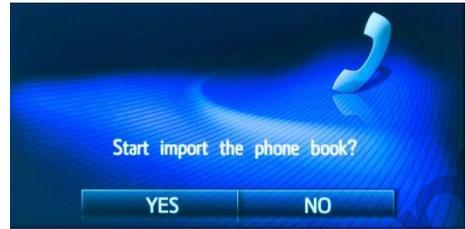
Refresh phonebook

The phonebook is imported statically. This means that if changes are made to the phonebook on your mobile device, they do not automatically synchronize on the system. Contacts from the previous phone remain in the phonebook even if a new phone is connected.

In order to update the phonebook you need to go to **Setup -> Phone -> Clear the phonebook and call list**. A message will appear on the screen asking **"Start cleaning the phonebook?"** The phonebook and call list will be cleared after confirmation.



In order to import the phonebook go to **Setup -> Phone -> Refresh phonebook**. A message will appear on the screen, asking **“Start import the phonebook?”** The system will import the phonebook after confirmation.



Call list

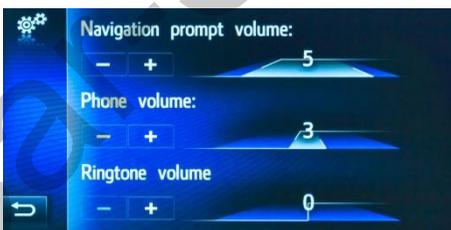
All call records are saved in the Call list only when the phone is connected. Calls made (and received) on the phone when it was not connected to the system do not synchronize with the Call list. Calls are listed as telephone numbers if the phonebook is not imported and as names if it is.



Phone volume

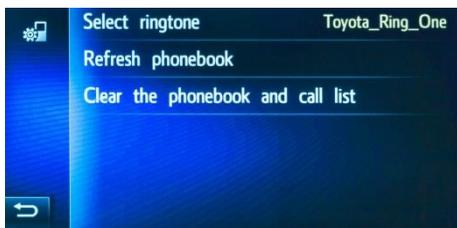
Phone volume can be adjusted in one of the following ways:

- Statically in Setup -> General -> Volume settings -> Phone volume. "+" or "-" to increase or decrease the volume.
- Dynamically during a phone call by using the encoder or volume buttons on the car radio panel.



Ringtone

Ringtones can be selected in **Setup -> Phone -> Select ringtone**. Some phones will use their own ringtone for all incoming calls, despite selecting a different one in the system. The ringtone volume can be adjusted in **Setup -> General -> Volume settings -> Ringtone volume**. "+" or "-" to increase or decrease the volume.



Navigation

Navigation applications

List of available navigation apps can be found in Setup -> General -> Default navigation. A navigation application with a star icon is launched when the MAP/NAV button on the car radio panel is pressed. In order to change which application is launched by the MAP/NAV button, simply move the star icon to the desired application.



Besides already installed navigation applications, it is possible to add a number of navigation apps that are recorded in the system. Just as already installed ones, these can give prompts from the OEM sound system. Applications can be downloaded from Play Market (check Online section to learn how to enter Play Market).

Available navigation applications

Yandex.Navigator	Seven ways
Yandex.Maps	Geonet
Navitel	Waze
CityGuide	Google maps
MAPS.ME	OsmAnd
2 GIS	OZZY



Any other navigation applications not listed in the list above may be downloaded from Play market (or installed from the file manager). They will be placed in the general list of all installed applications (Online mode). Prompts will only be available if there's an Android audio source.

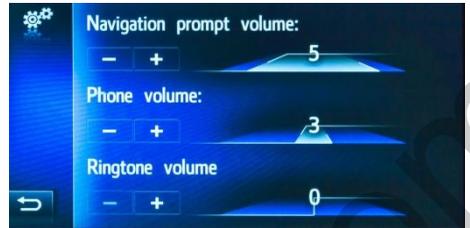
In order to delete a navigation application downloaded from Play Market, simply press and hold the app name. A message will appear on the screen, asking "Delete application?" The application will be deleted after confirmation.



Navigation volume

Navigation volume can be adjusted in one of the following ways:

- Statically in **Setup ->General -> Volume settings -> Navigation prompt volume**. "+" or "-" to increase or decrease the volume.
- Dynamically when hearing a prompt, using the encoder or volume buttons on the car radio panel.



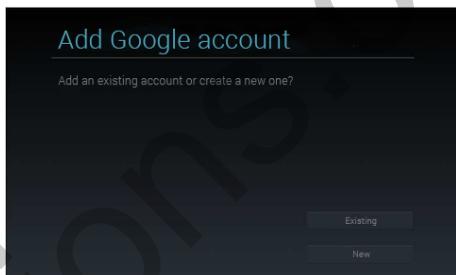
Important: Do not adjust navigation volume from the navigation app as it adjusts the volume of the entire system. Use only one of the methods listed above.

GPS: The first satellite search (cold start) takes about 5-10 minutes.
Satellite searches afterwards (hot start) take about 2-3 minutes.

It is not possible to launch two or more navigation applications at the same time. When another application is launched, the previous one will be closed automatically.

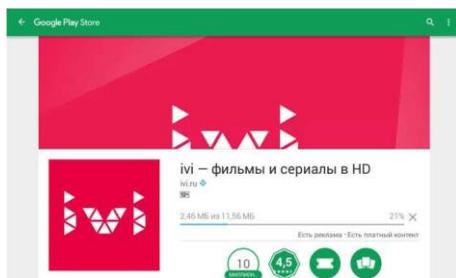
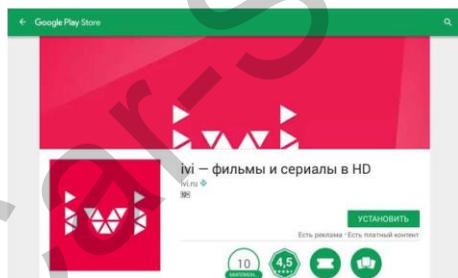
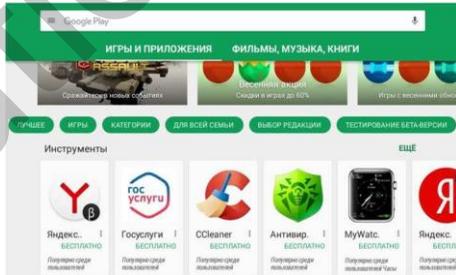
Online

Downloading applications



Connect the system to the Internet. Press the Play Market icon. Sign into your Google account. You will be automatically transferred to Play Market.

Choose an application in Play Market and install it.



Launch the app from the application list in Online mode (press the Telephone button twice).

Managing applications

After an application has been installed, go to Online mode (press the Phone button twice). By holding the app icon you can open the management window.

STOP APPLICATION – shut down the app.

REMOVE APPLICATION – delete the app.

After pressing REMOVE APPLICATION in Online mode a message will appear, asking “Remove application?”. Application will be deleted after confirmation.

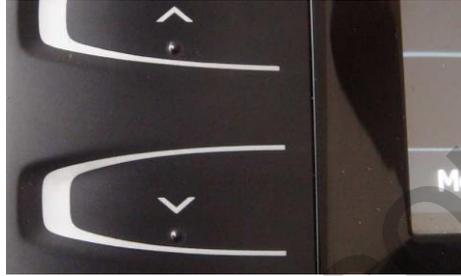
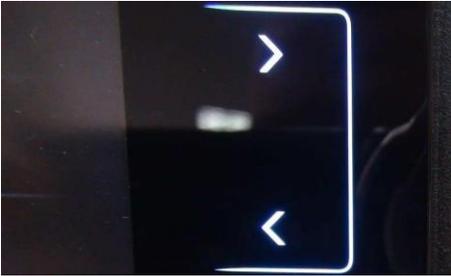
THIS APP DOES NOT REQUIRE AUDIO – if this option is not checked, there will be no audio when this app is launched.

When this option is checked, the text will change to “This app requires audio”. When the app is launched, audio from this app will be transferred to the audio system.

Important: To ensure correct operation it is advisable to check this option for all applications that produce sound.



For applications that require Android Back button, use the Previous Track button on the car radio panel. It acts as an Android Back button when an application is launched.



The last used multimedia application can be launched by pressing the App icon in the Media section.

In order to remove a Google account, go to Setup -> General -> Remove Google account. A message will appear asking: "Remove Google account?" The account will be removed after confirmation.



Important:

- Apps should be launched from Online mode (press the Telephone button on the car radio panel twice);
 - Do not launch apps directly from Play Market;
 - Do not install apps that launch their windows over Toyota interface;
 - Do not install apps that add control buttons for Android as this may disturb the system operation logic;
 - Do not adjust the volume from a multimedia application as this adjusts the volume of the entire system. Use OEM volume adjustment.
-

If you were not able to enter Play Market (white screen):

- Make sure you have reliable internet connection;
- Remove your Google account and sign in again.

Thank you for your purchase! Safe travels!

Car-Solutions.com

Date of purchase _____

Serial number _____

Seller _____