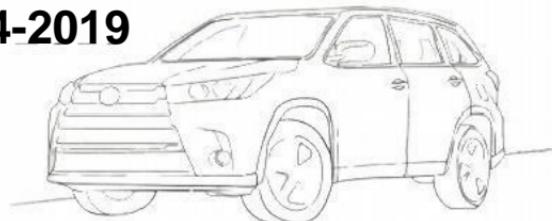


UPGRADE TO A SMARTER AND SAFER RIDE

- Keep your original radio unit and all functions.
- Get all the CarPlay and Android Auto features.
- Auto-connect in seconds via Wireless.
- Keep your phone in your pocket! or do it wired too.
- Improve the system with a new sound EQ.
- Supports wireless/wired mirroring and more..

TOYOTA HIGHLANDER 2014-2019
POWERED BY CARSYNCTECH



ORIGINAL FACTORY UPGRADE

This product seamlessly enhances the original factory system by adding an intermediate module. It preserves the car screen, style, and functions while enabling CarPlay/Android Auto and Mirroring, transforming it into a versatile all-in-one intelligent radio unit.

The system also uses the original car microphone and it is compatible with the car's steering wheel controls, such as up/down song controls, and answering/hanging up calls. It also incorporates a one-button Siri function for easy access to the CarPlay system, making it more user-friendly.

The hardware includes a new sound EQ, which can be adjusted based on different environments to provide better sound quality and a more immersive experience.

THE DECODER MODULE



Linux

Architecture



Wifi 5GHz



Bluetooth

5.0



USB interface(up to 32GB)

THE MENU SYSTEM



- Music: Play music from the module USB drive
- Wireless or Wired CarPlay/Android Auto
- Apple/Android screen mirroring
- Video: Play video from the module USB drive
- Video input: Dashboard camera (optional)
- Exit: go back to factory car system
- Setup: Module system settings (Display, Sound, Language, etc)

PACKAGE CONTENTS

- Module unit with mounting brackets.
- WiFi antenna.
- USB connection cable.
- Cable harness connectors for module and factory radio.
- This instruction manual.

HOW TO INSTALL

Please follow the install instructions and let us know if you need any help!

Scan the QR code to watch a video on how to install the decoder to your head unit radio.



TO REMOVE THE RADIO HEAD UNIT:

- 1.Turn off the vehicle.
- 2.Use a plastic tool to pry and remove the panels and frame around the A/C vents.
- 1.Once the panels are removed,you should see the head unit secured in place with 4 bolts.Remove the bolts using a socket wrench(10mm size).
- 1.Carefully pull the head unit forward and disconnect the wiring harnesses and antenna cables by pressing the release tabs and gently pulling them out.
- 2.With all the connections detached,you can now completely remove the head unit from the dashboard.



Please note that the process may vary slightly depending on the specific trim level and optional equipment installed.If you're uncomfortable performing these steps yourself,it's recommended to consult the vehicle's manual or seek professional assistance.

1.REMOVE HEAD UNIT MOUNTING BRACKETS

Each bracket(left and right)has 5x screws. The box under the head unit is the XM Radio module. For simplicity of this installation we have removed it. You can keep it and use the provided extension connectors if necessary.



2.UNSCREW THE RADIO FRONT SCREEN

To release the front screen there are 5 small phillips screws. Please check the video for quick reference on each screw.

3.CAREFULLY DETACH THE FRONT

Slowly detach the front panel.2x flat PCB cables will be exposed and need to be disconnected at the head unit side.

Don't panic!This is very simple process, locate the connector latch(black)and flip it upwards to release the cable.Check the images for details.

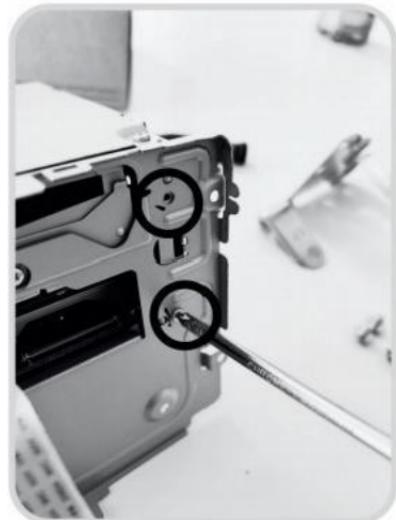


flip the latch
upwards

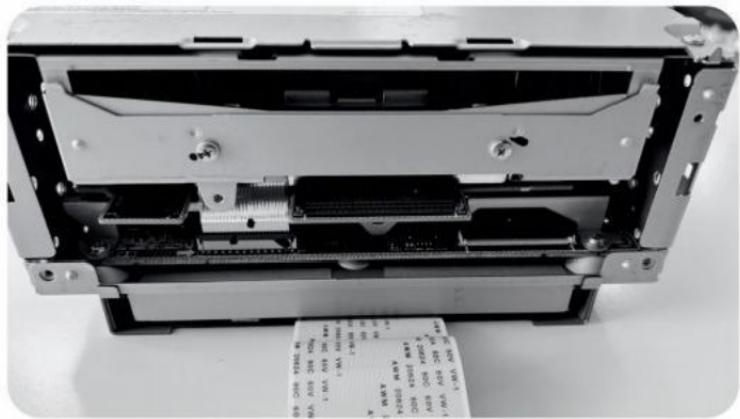


4.UNSCREW THE FRONT MOUNT PLATE

These are the last screws!5x small phillips screws to detach the front plate.



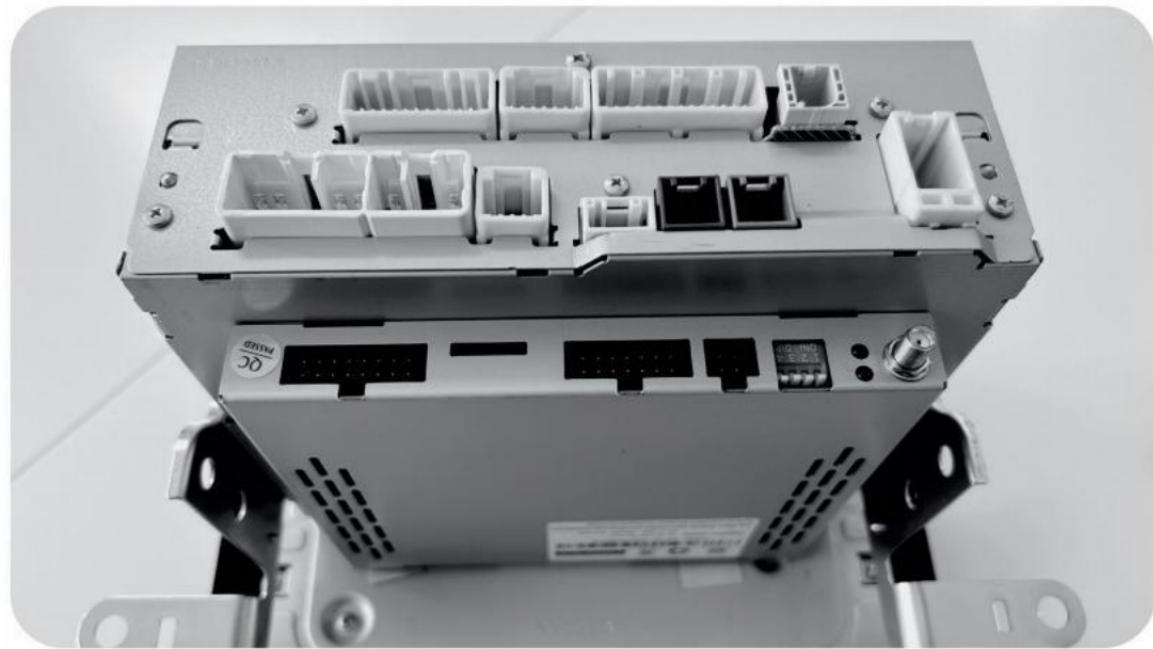
5. MOUNTING THE DECODER



Side view to show bracket upwards



IT SHOULD LOOK LIKE THIS ON THE BACK...



6.PUT THE FRONT PLATE BACK

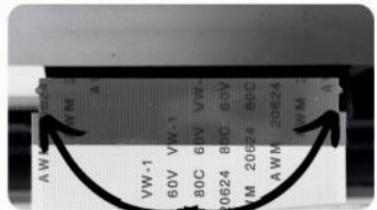
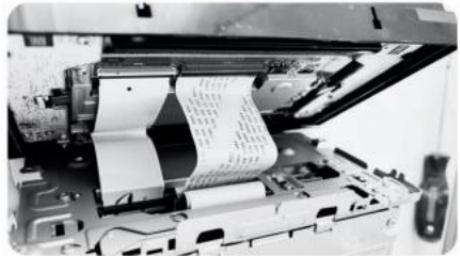
Screw the front plate back and check that the 2 flat cables come out at front and upwards.



7.CONNECT THE FLAT CABLES

The decoder comes with 2 flat cables. The top one is to connect to the head unit connector and the bottom one connects to the front screen(remove the factory one). Connect the last (smaller)flat cable back from the front screen to the head unit.

To connect the flat cables,keep the latch open and push the cable in.Flip the latch down to lock.Note the corner guides to lock them in.



lock guides

8.SCREW THE FRONT SCREEN

Screw the front screen unit back to the front plate with the head unit.

9.ADD THE MOUNTING SIDE BRACKETS

Notice that now the brackets will push the decoder bracket and fix it to the head unit. Check the image for the right position of the ScrewS.

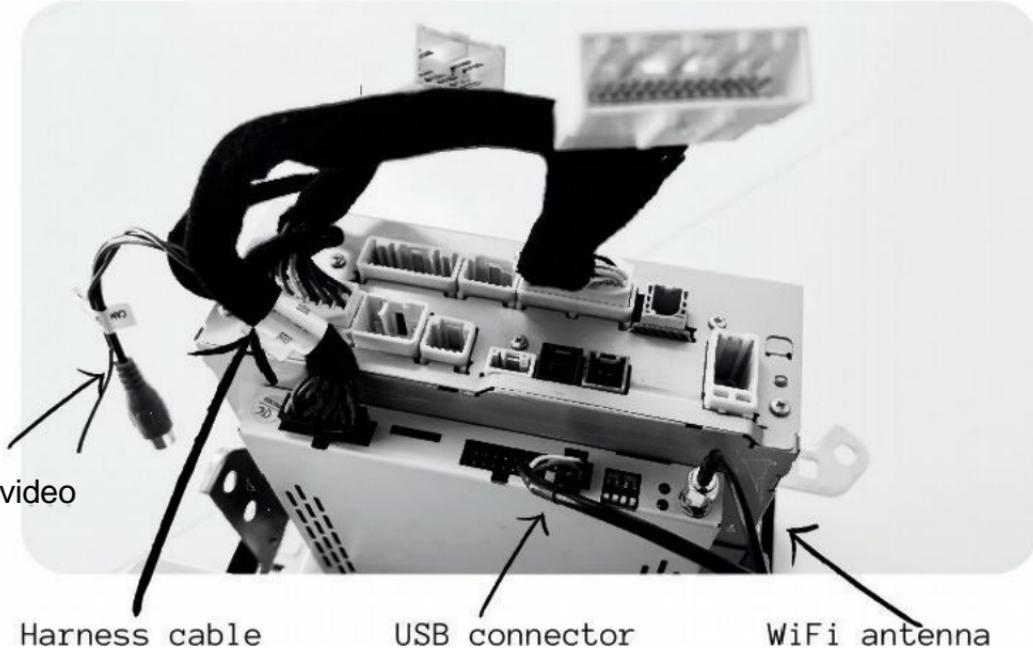
NOTE:If you want to keep the XM Radio module, you have to keep it in place and add the decoder under it.



10. TIME TO CONNECT

Check the image for reference on the harness cable connectors, usb and WiFi antenna. 2 connectors go to the head unit and one black to the decoder.

Optional
extra
reverse
camera
and 12V
power



11.BACK TO YOUR CAR

Use the picture reference on how to connect all the cables back. When finished.Carefully install the unit back inside and screw in the 4 bolts.Put back the trim panel by pushing it in place.

The WiFi antenna can stay inside on the back of the head unit.**Do Not stick the antenna to any metal parts only plastic to avoid interference.**



The USB is useful for usb audio or video files you want to play and firmware updates.You can keep it inside or run the wire to an easy access out.

12.FIRST TIME SYSTEM SETUP

IMPORTANT! Disable Factory Bluetooth under system settings or Forget the bluetooth connection from your phone.

1. Set the Audio to AUX to enable decoder sound.
2. Press and hold HOME button to access decoder system.
3. Check that your phone Wifi is turned ON.
4. Got to the decoder Bluetooth settings and connect your phone to “Car Audio_xXxx”, set to Auto Connect.
5. Explore other settings: Sound, Screen, Music, Video.



YOU ARE ALL SET!

Try Apple CarPlay or Android Auto. The system will auto connect when you are back in the car again using the wireless connection. Please give it some seconds to sync and your screen will automatically load to CarPlay or Android Auto. There may be time differences depending on how fast the phone connects to the WiFi signal.

Important note: for FM radio listening, it is recommended to use a radio application like TuneIn and keep the CarPlay/Android auto sound. Otherwise, it is necessary to switch audio sources from Aux to Radio and vice-versa. The system is not capable to switch audio source automatically if there is a phone call while listening to FM radio from the head unit.

The Balance/Fader are still controlled at the head unit software. Do not adjust it on the decoder.

FCC WARN

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV/technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.