



MK4 QUICK INSTALL GUIDE

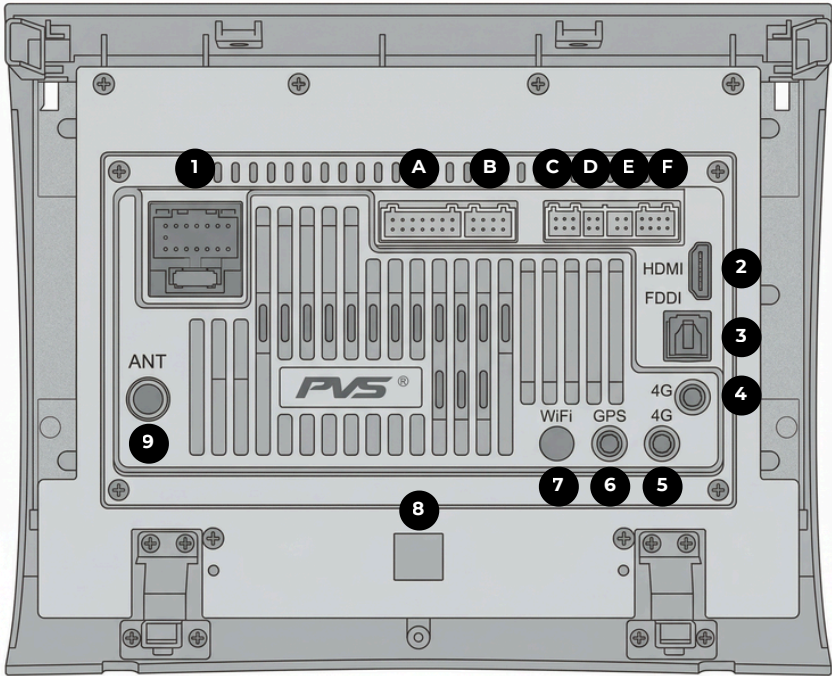
TOYOTA 70 SERIES LANDCRUISER



IMPORTANT INSTALL NOTES

- Only connect the harnesses required for your installation
- Ensure all connectors are fully seated before powering on
- Do not force connectors, they are keyed and only fit one way
- Loose or partially connected plugs are the most common cause of issues

REAR CONNECTIONS

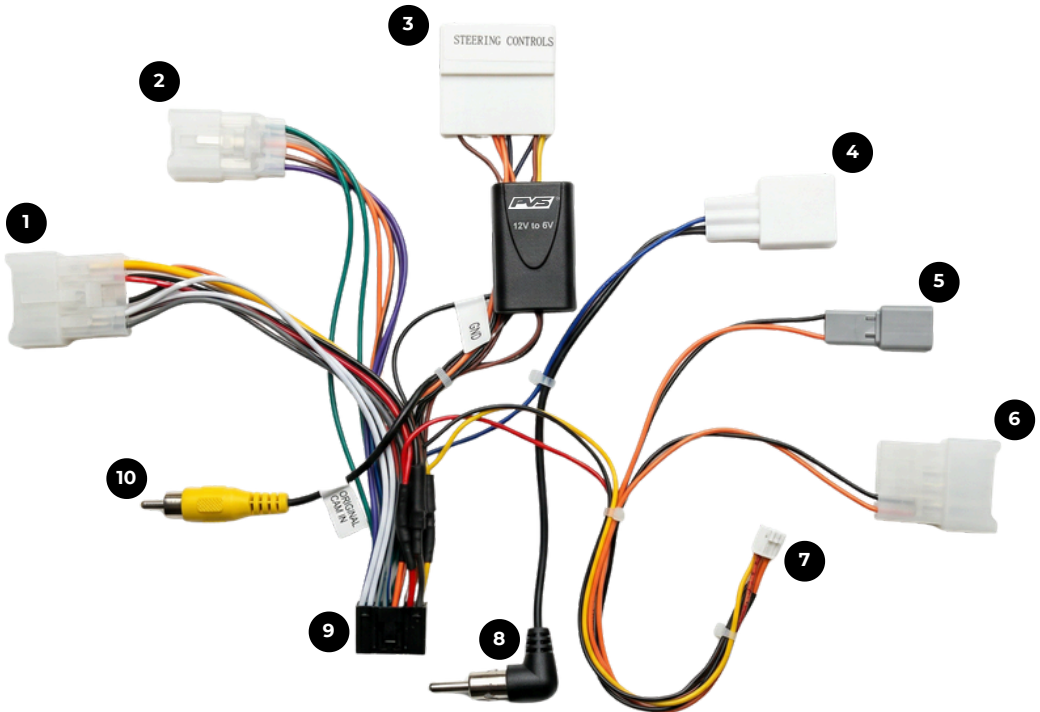


- ① Main Power Connector
- ② HDMI Output Connector
- ③ SPDIF Digital Audio Output
- ④ 4G Antenna 1 Connector
- ⑤ 4G Antenna 2 Connector
- ⑥ GPS Antenna Connector
- ⑦ WiFi Antenna Connector
- ⑧ Hazard Switch Connector
- ⑨ Radio Antenna Connector
- Ⓐ Front Audio Pre-Out & AUX Input Connector
- Ⓑ 360° Camera System Connector
- Ⓒ Rear Audio Pre-Out / Center Channel Connector
- Ⓓ USB Port 1 (CarPlay / Android Auto)
- Ⓔ USB Port 2 (Media / Accessories)
- Ⓕ Reverse Camera / Accessory Connector

Note: Some connectors support advanced features such as 360° camera systems or external DSP processors and are not required for standard installation.

MAIN POWER CONNECTOR

The MK4 headunit uses a plug-and-play harness designed for the Toyota 70 Series LandCruiser. Simply match each connector to the factory wiring behind the dash.



① Main Power Connector
Connects to the factory vehicle power harness.

② Rear Speaker Connector
Connects to the factory rear speaker wiring.

③ Steering Wheel Controls / Factory Camera
Provides steering wheel control communication.

④ Vehicle Antenna Connector
Connects to the factory antenna cable.

⑤ Hazard Switch Connector (2023+)
For facelift 70 Series models.

⑥ Hazard Switch Connector (2008–2023)
For earlier 70 Series models.

⑦ Hazard Switch Connector (Headunit)
Connects hazard switch wiring to the headunit.

⑧ Radio Antenna Connector
Connects the radio antenna to the headunit.

⑨ Main Headunit Connector
Primary connection between the harness and the MK4 headunit.

⑩ Factory Reverse Camera Output (RCA)
Connect to reverse camera input on F Harness.

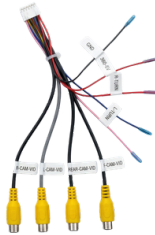
ACCESSORY HARNESS CONNECTIONS

The MK4 headunit includes several plug-and-play accessory harnesses for connecting audio, cameras, antennas and external devices. Only connect the harnesses required for your installation.



A

Front Audio Pre-Out / AUX Harness
Provides RCA outputs for external amplifiers and an AUX audio input connection.



B

360° Camera Harness
Used when installing a 360° camera system. Not required for standard installations.



C

Rear Audio Pre-Out / Center Channel Connector
Provides RCA outputs for external amplifiers and an AUX audio input connection.



D

USB Port 1 Cable
Connects to USB Port 1 on the headunit. Used for Wired Apple CarPlay and Android Auto.



E

USB Port 2 Cable
Additional USB connection for media devices or accessories.



F

Reverse Camera / Accessory Harness
Provides connections for reverse camera input, camera power output and accessory signals.

PHONE CONNECTIVITY SETUP

TO CONNECT YOUR PHONE:

1. Open the Bluetooth app on the headunit
2. Tap Search
3. Ensure Bluetooth is enabled on your phone
4. Select your phone from the list
5. Press Connect
6. Confirm pairing on both devices

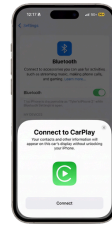


APPLE CARPLAY (IPHONE):

- Once paired, CarPlay will launch automatically
- When prompted on your iPhone, tap Connect

If CarPlay does not launch:

- You did not accept the CarPlay prompt
- Delete the device and reconnect



ANDROID AUTO / HUAWEI HICAR (IMPORTANT):

- By default, the system opens Apple CarPlay mode.

To switch connection mode:

- Open the PVS Link App
- Tap the 4-square grid icon (Apps icon)
- Select:
 - Android Auto (for Android devices)
 - Huawei HiCar (for Huawei devices)



CARPLAY AUTO-CONNECT

- Open PVS Link app
- Turn off Background Connection through settings
- Phone must be in airplane mode to access this screen

IF YOUR PHONE CONNECTS BUT NOTHING OPENS:

- You are still in the wrong mode (CarPlay instead of Android Auto / HiCar)
- Open the Apps grid and select the correct system

Optional (Wired Connection):

- You can connect via USB if preferred

INTERNET & WIFI SETUP

CONNECT TO WIFI/STARLINK:

1. Go to Settings → WiFi
2. Select network and enter password

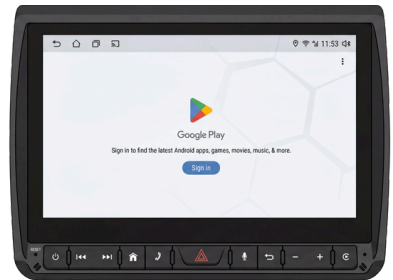


USING HOTSPOT:

- Enable hotspot on your phone
- Connect headunit via WiFi

4G / SIM

- Insert SIM into simcard slot
- Ensure antennas are connected

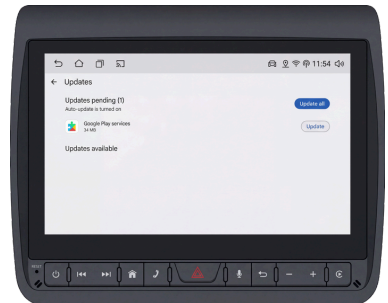


GOOGLE PLAY STORE & APP UPDATES

- Open the Play Store app
- Press the 3 dots (menu icon)
- Select Update before signing in

After updating:

- Sign in with your Google account
- Download apps as required



IMPORTANT

- Internet connection is required (WiFi or SIM) for Google Play Store
- Updating the Play Store first helps prevent login and app issues
- It is recommended to regularly connect to WiFi and open the Play Store to perform updates

These updates include Google system and service updates, which help stabilise overall system performance and reliability.

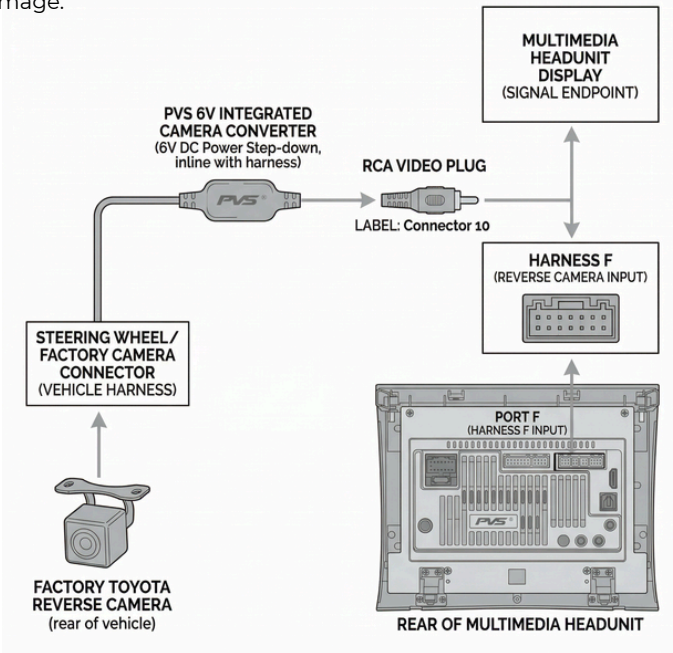
REVERSE CAMERA CONNECTION GUIDE

FACTORY TOYOTA REVERSE CAMERA / AUTOCHIMP CAMERA

If your vehicle is equipped with a factory reverse camera:

1. Connect the **factory camera plug to Connector 3** (*Steering Wheel Controls / Factory Camera Connector*).
2. The camera signal passes through the **PVS 6V converter (integrated in the harness)**.
3. The video signal exits via **Connector 10 (RCA)**.
4. **Connector 10 must be plugged into the Reverse Camera Input on Harness F.**

If Connector 10 is not connected to Harness F, the headunit will not display the camera image.



Reverse Camera Settings

After installing the camera, confirm the correct camera format is selected. Navigate to:

Settings → Reverse & AUX → Reverse Camera Format

Select the format based on the camera being used:

CVBS N

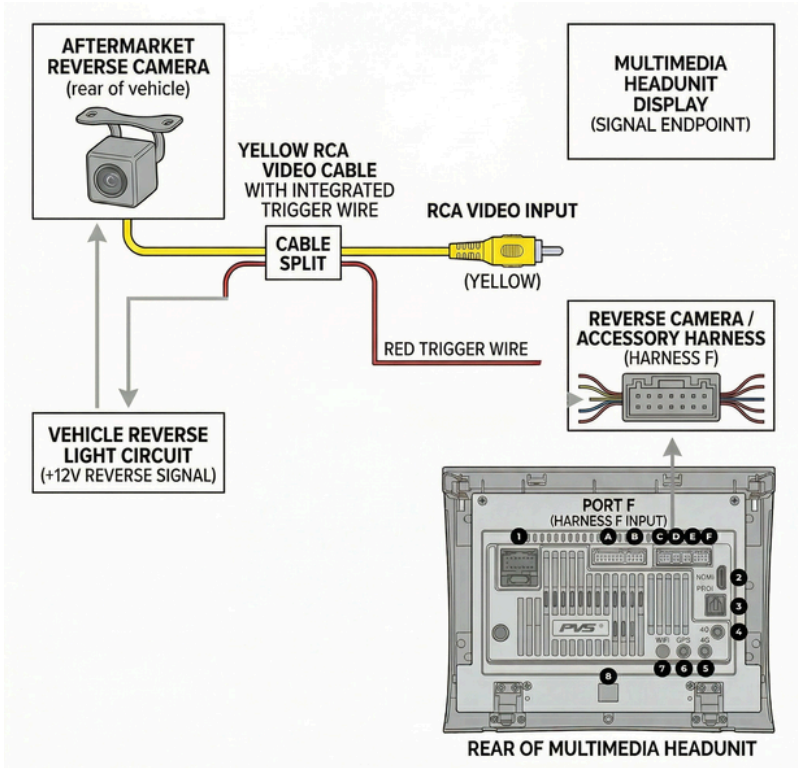
For factory Toyota cameras or standard analog cameras.

Factory cameras do not require a reverse trigger wire, as the reverse signal is already provided through Connector 3.

AFTERMARKET ANALOG REVERSE CAMERA

For aftermarket cameras:

1. Connect the **camera video cable (yellow RCA)** directly to the **Reverse Camera Input on Harness F**.
2. Connect the **small red trigger wire from the yellow RCA cable** to the **PINK wire labelled REVERSE** or the **BROWN wire on Connector 10**.
3. Connect the **camera power wire** to the **vehicle reverse light circuit** at the back of the vehicle so the camera powers on when the vehicle is placed into reverse.



Reverse Camera Settings

After installing the camera, confirm the correct camera format is selected. Navigate to:

Settings → Reverse & AUX → Reverse Camera Format

Select the format based on the camera being used:

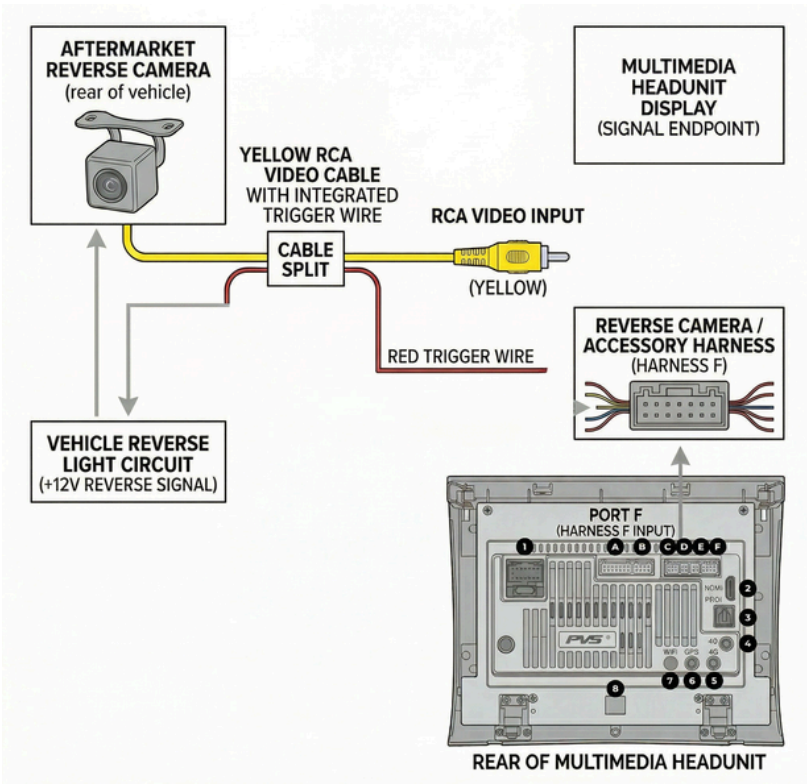
CVBS N

For factory Toyota cameras or standard analog cameras.

PVS AHD REVERSE CAMERA

For aftermarket cameras:

1. Connect the **camera video cable (yellow RCA)** directly to the **Reverse Camera Input on Harness F**.
2. Connect the **small red trigger wire from the yellow RCA cable** to the **PINK wire labelled REVERSE** or the **BROWN wire on Connector 10**.
3. Connect the **camera power wire** to the **vehicle reverse light circuit** at the back of the vehicle so the camera powers on when the vehicle is placed into reverse.



Reverse Camera Settings

After installing the camera, confirm the correct camera format is selected.

Navigate to:

Settings → Reverse & AUX → Reverse Camera Format

Select the format based on the camera being used:

AHD 720P25

For PVS AHD aftermarket cameras.

CAMERA NOTES & TROUBLESHOOTING

REVERSE CAMERA NOT DISPLAYING

If the reverse camera image does not appear on the screen, check the following:

- Ensure **Connector 10 (RCA)** is plugged into **Harness F – Reverse Camera Input**
- Confirm the **camera format setting is correct**
- Restart the headunit after changing camera settings
- Ensure the **camera power wire is connected to the reverse light circuit**

INCORRECT CAMERA FORMAT

If the screen switches to reverse but shows a black screen or distorted image:
Navigate to:

Settings → Reverse & AUX → Reverse Camera Format

Select the correct format:

CVBS N

Factory Toyota cameras or standard analog cameras

AHD 720P25

PVS AHD aftermarket cameras

Restart the headunit after changing the camera format.

NO REVERSE TRIGGER

For **factory Toyota cameras**, a reverse trigger wire is **not required**.

The reverse signal is already provided through **Connector 3**.

IMPORTANT INSTALL NOTES

- Only connect the harnesses required for your installation.
- Ensure all connectors are fully seated before powering on the headunit.
- Incorrect wiring may prevent the reverse camera from displaying correctly.
- Do not force connectors, they are keyed and only fit one way
- Loose or partially connected plugs are the most common cause of issues

STEERING WHEEL CONTROLS



STEERING WHEEL CONTROLS SETUP

- Ensure Connector 3 (Steering Wheel Controls) is connected

To program buttons:

1. Open the SWC App
2. Select the function you want to assign
3. Press the steering wheel button once
4. Repeat for all buttons
5. Press Save

LONG PRESS FUNCTION (OPTIONAL)

Each button can also be assigned a secondary function using Long Press.

- Tap the + Long Press option next to a function
- Then press the steering wheel button

This allows one button to perform two actions:

- Short press → primary function
- Long press → secondary function

IMPORTANT

- Do not hold the steering wheel button when assigning functions
- All buttons should be pressed once only during setup
- Holding the button is only used for the long press function if assigned

If buttons are not responding:

- Check control module / connection

IMPORTANT NOTES & TROUBLESHOOTING

NO SOUND / LOW AUDIO

- Check all speaker connectors are plugged in
- Confirm correct harness for your vehicle
- Check balance/fader settings

HEADUNIT NOT POWERING ON

- Check main power connector is fully seated
- Ensure vehicle ignition is on
- Check vehicle fuse

CARPLAY / ANDROID AUTO NOT CONNECTING

- Ensure Bluetooth pairing was completed
- Accept CarPlay prompt on iPhone
- Delete device and reconnect if needed
- Check PVS Link Connection Mode

IMPORTANT INSTALL NOTES

- Only connect required harnesses
- Ensure connectors are fully seated
- Do not modify wiring
- Loose connections cause most issues



Designed for the Toyota 70 Series
Engineered for factory integration, reliability and real-world use

Scan to access support resources



SUPPORT & TECHNICAL ASSISTANCE

Email: support@pvsautomotive.com.au

Web: www.pvsautomotive.com.au

Professional installation is recommended if you are unsure.

PVS Automotive is not responsible for incorrect installation or damage caused during fitment.