Installation Manual

Android Head Units

Thank you for purchasing our product
We hope you love it as much as we do.

Please take the time to read these instructions before attempting installation.

If you need any help, we have experienced staff on hand to help you, so please don't hesitate to reach out via one of the options below.

📞 1300 55 55 14

💬 0483 930 453 (Text only)

✉️ sales@polarisgps.com.au

Warranty Terms

The warranty for this product is 2 years from the date of purchase, however, the warranty will be void if:

• The unit is tampered with, damaged, or modified.
• If applicable, reverse camera cable damaged/modified and/or subjected to overvoltage
• If applicable, the Navigation SD card is damaged/modified
• Installation of 3rd party apps that may cause harm to the unit.

Warranty Terms
The Polaris Android Head Unit is covered for 2 years and includes:
• Defective Equipment • Defective Cables

Not Covered under warranty:
· Abuse
· Improper installation
· Alteration to Cables and Plugs
· Accidents
· Water damage
· Improper use
· Labour
· Postage and Handling

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INSTALLATION NOTES

The installation of this unit requires technical skill and experience. If you do not have the level of skill necessary, please phone or email us so we can refer a recommended installer.

This unit is designed to be used in a vehicle with a 12-volt battery and a negative grounding. Before installing this unit to a recreational vehicle, bus, or truck, make sure the battery voltage is appropriate for this unit to be used.

To avoid short circuits in the electrical system, ensure that the negative battery cable is disconnected before installation.

Always secure all wirings with cable clamps or adhesive tape to prevent short circuits.

To avoid the possibility of shorting out the electrical circuit in the unit, never connect the battery wire directly to the vehicle battery.

Please make sure all wiring connections and speaker wires are well insulated.

When pulling the dash apart, please use quality trim tools to avoid damaging your dash.

Do not cut any plugs or make any alterations to any cables. Doing so will void your warranty. To read more about our warranty terms, see

RECOMMENDED TOOLS

Screwdriver

Drill + Drill bits

Socket Wrench Set

Soldering Iron + Solder

Blade / Cutter

Crimping tool

Voltage Test lamp

Spare Electrical Wire

Heatshrink

Quality trim tool

Electrical Tape

Instructions

WIRING DIAGRAM ALL HEAD UNITS
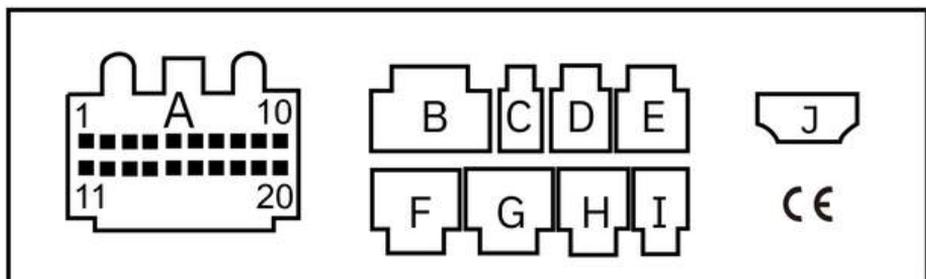
WIRE	COLOUR	FUNCTION	WIRE	COLOUR	FUNCTION
1	Orange and Black	REVERSE	11	Pink	BRAKE
2	Green	CAN+	12	White	CAN-
3	Orange	ILLUMI	13	Red	ACC
4	Brown	KEY1	14	/	NC
5	Brown	KEY2	15	Black	GND
6	Blue	ANT	16	Yellow	B+
7	Purple	RR+	17	Purple and Black	RR-
8	Grey	FR+	18	Grey and Black	FR-
9	White	FL+	19	White and Black	FL-
10	Green	RL+	20	Green and Black	RL-

A

WIRE	FUNCTION	WIRE	FUNCTION
B	RR OUT	C/D	NC
	RL OUT	E	Video Input
	FR OUT		Aux Input L
	FL OUT		Aux Input R
	Video out1 (Optional)	F	TV (Optional)
		G	USB
	Video out2 (Optional)	I	CAM IN
	SUB		F-CAM IN (Optional)
J	Hdmi video out (Optional)		F-CAM 12V (Optional)

The wiring diagram applies to most Polaris Android in-dash head units.

ACCESSORIES / PARTS
ALL HEAD UNITS

GPS Antenna
Mount the antenna on top of the dash with the black part facing the sky.

Bluetooth Microphone
We recommend mounting on the pillar. Can remove foam if Bluetooth seems quiet.
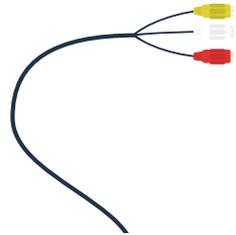
USB Cables
We recommend mounting into vehicle glove box, unless the unit comes with a USB retention cable
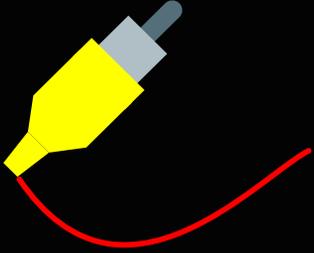
Reverse and Front Camera Input
Do not pick up power for any camera from this cable.

REVERSE CAMERA

Plug camera into CAM-IN

Connect red power
(from camera cable) to
RED Acc +

Batt +	Yellow
Ground -	Black
Illumination	Orange
Acc+	Red
KEY 1	Brown
KEY 2	Brown w/ Black
SWC Ground -	Black
Handbrake	Pink
Reverse Trigger	Orange w/ Black
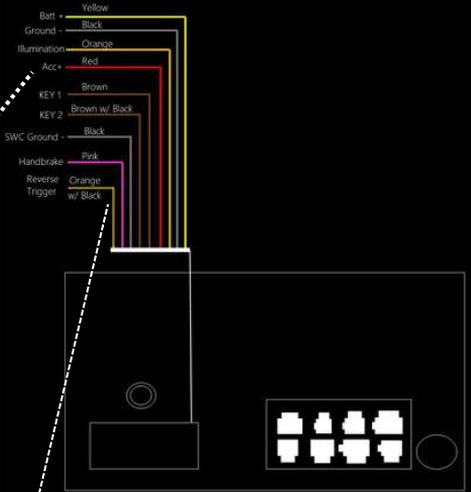
Connect the Reverse trigger wire to the
reverse input in the factory plug.

QUICK TIPS

If your vehicle doesn't have a reverse power input feed, you
will need to run the reverse trigger wire (orange w/ black
stripe) to **Reverse Light +**. It is best to do this while running
your camera cable at the same time.

The reverse trigger wire is what 'tells' the unit that the car
is in reverse. Failure in wiring reverse trigger will result in the
camera only appearing manually via the cam app.

Powering the camera via Acc+ power, you are allowing for
full-time vision. If you don't want this, then you can simply
power the camera via Reverse light +

FRONT CAMERA / CARAVAN CAMERA

Plug camera into F-Cam
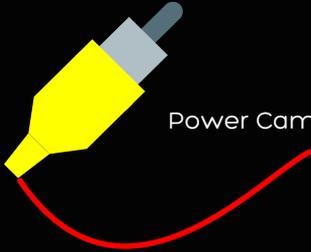
Power Camera to ACC+

View Camera via CAM App while driving

QUICK TIPS

DO NOT pick up power for the F-CAM input from the camera plug itself.

How to access caravan camera through F-CAM when in reverse gear

When car is in reverse reverse camera will always appear by default

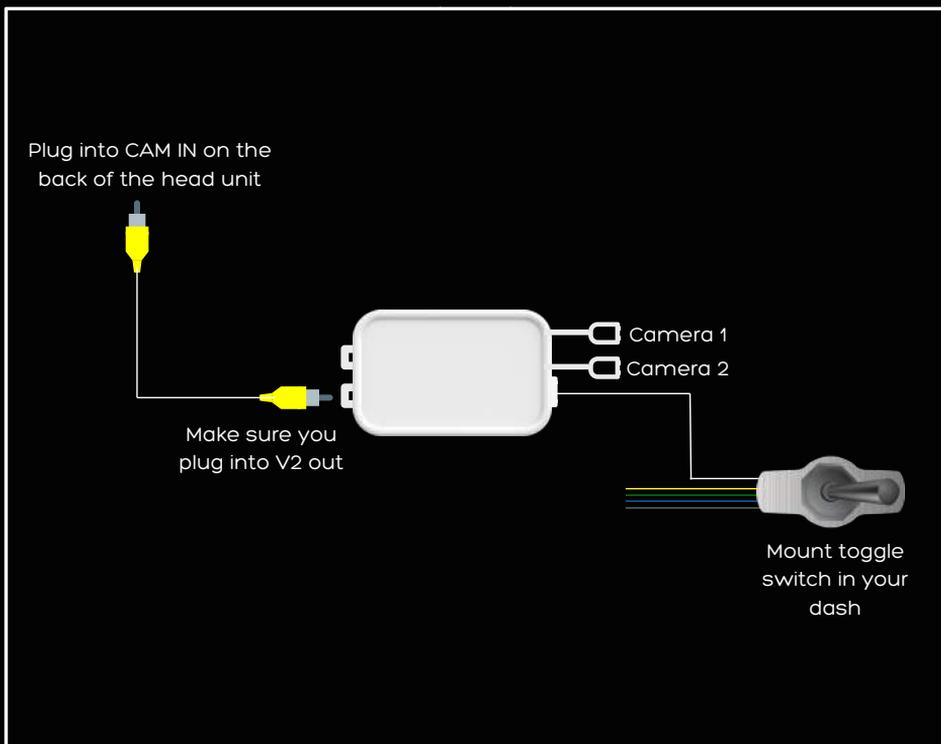Press the return **touch panel** button to change to caravan camera

3 CAM SETUP W/ CTRL BOX

FRONT CAMERA, CAR REVERSE CAMERA & CARAVAN CAMERA

1. Plug your front camera into F-Cam
2. Plug your 2 additional cameras into the control box and connect V2 out to CAM-IN

Plug into CAM IN on the back of the head unit

Camera 1
Camera 2

Make sure you plug into V2 out

Mount toggle switch in your dash

Wiring:

Yellow	----------------	ACC+
Green	----------------	Reverse Light Positive+
Blue	----------------	Reverse Trigger (orange w/ black stripe)
Black	----------------	Ground

Reverse Cam

OFF

Cam 2
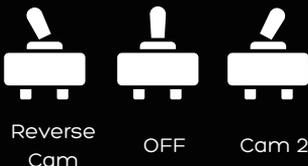
- The front camera will activate when the CAM app is selected on the head unit
- Reverse Camera will activate when in reverse and the toggle switch is activated
- The Caravan Camera can be activated anytime by activating the toggle switch in the opposite direction.
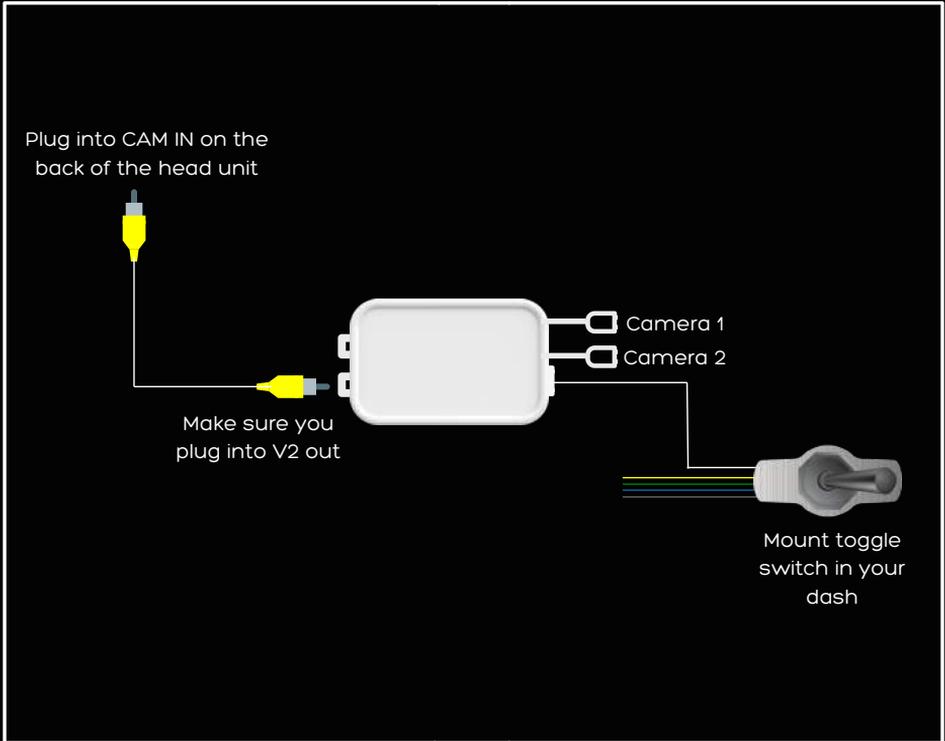
3 CAM SETUP W/ CTRL BOX

CAR REVERSE CAMERA & DUAL CAMERA ON THE CARAVAN

1. Plug your 45° dual camera lens camera into F-Cam
2. Plug your 2 additional cameras into the control box and connect V2 out to CAM-IN

Plug into CAM IN on the back of the head unit

Camera 1
Camera 2

Make sure you plug into V2 out

Mount toggle switch in your dash

Wiring:

Yellow	-----------------	ACC+
Green	-----------------	Reverse Light Positive+
Blue	-----------------	Reverse Trigger (orange w/ black stripe)
Black	-----------------	Ground

Reverse Cam

OFF

120° cam lens

- The 45° lens will activate when the CAM app is selected on the head unit
- Reverse Camera will activate when in reverse and the toggle switch is activated
- The 120° lens can be activated anytime by activating the toggle switch in the opposite direction.

TOYOTA HARNESSES

To assist you in identifying the appropriate Toyota harness for your Head Unit, please refer to the image below that corresponds to your specific harness and the corresponding instructions.
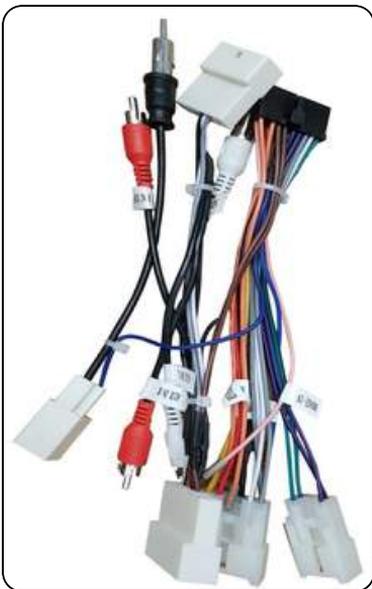
Model No. POL0141

- This connector is designed exclusively for primary power and speaker connections.
- Insert it into the ISO harness, a component typically included with the Universal Maxx & Universal Luxx, to ensure seamless integration.
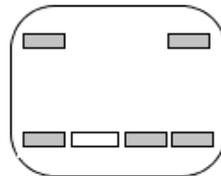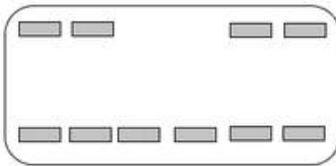
Model No. KD06229 (No CANBUS module)

- Included in the Toyotaluxx, 70Maxx, and N70Maxx and offered as an optional upgrade for universal head units.
- Classified as a universal Toyota harness, it seamlessly connects with various Toyota vehicles.
- Connection features:
  - Primary power integration
  - Speaker compatibility
  - Steering wheel control support
  - Built-in radio antenna for applicable Toyota models
- Note: Depending on your vehicle, not all plugs may be utilised.
- Please be aware that this harness does not support factory camera retention.
- The absence of a CANBUS module means that steering wheel controls must be programmed manually
- Connect the reverse trigger wire to a reverse trigger source, either within your Toyota plug or from your reverse lights.

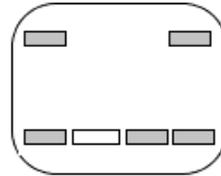70 Maxx　　　　ToyotaLuxx　　　　N70 Maxx
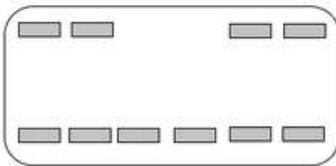
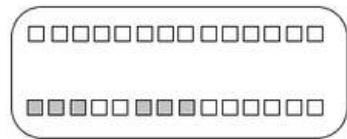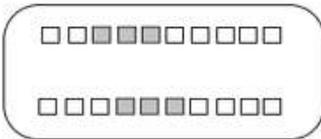Can also be an Optional Extra for the following units:

Universal Maxx　　　　　　　　　Universal Luxx

Main Power and Speakers

Steering Wheel Controls

To view the pin configuration click here

	### Radio Antenna Adaptor
	### Individual wires Orange with black: Reverse Trigger Pink: Handbrake Blue with white: Amp Control
	### Red & White RCA Appllicable to some models
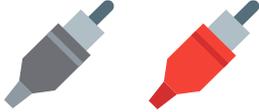
Model No. KD06229

Model No. KD01040
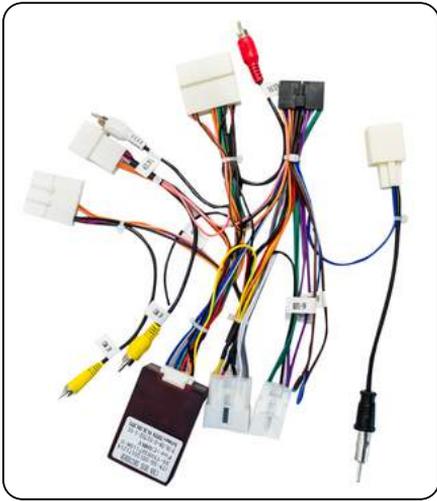
- Toyota harness typically included with:
  - 200 Maxx
  - PradoMaxx14
  - Prado Maxx 18
- Optional extra for Toyota harness with factory cam retention for specific models.
- Covers:
  - Power
  - Speakers
  - Steering wheel controls
  - Factory camera retention (some Toyota models)
  - Radio antenna adaptor
  - CANBUS module (communicates with the vehicle, powers reverse trigger and SWC without manual programming)
- Note: Depending on your model, not all plugs will be used.

200 Maxx

PradoMaxx18

PradoMaxx14

Can also be an Optional Extra for the following units:

Universal Maxx

N70 Maxx
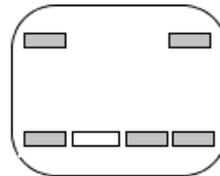

Universal Luxx

Main Power and Speakers
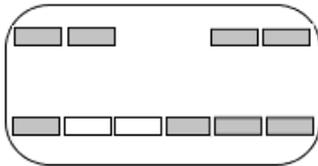
Reverse Trigger, Handbrake, Steering Wheel Controls
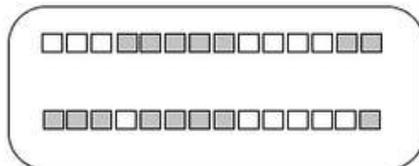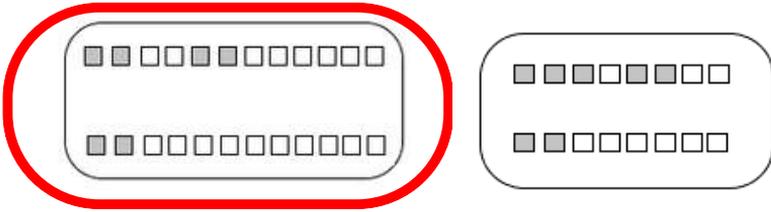
Factory Camera

- The 6-pin plug is typically used for the factory camera.
- After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I.
- The harness recognises the camera connection, but the head unit needs the above additional step for your factory camera to display on our head unit.

CAM IN - on main power harness

Plug I: CAM IN - from back of head unit

To view the pin configuration please click here

	Radio Antenna Adaptor Connect the white plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Blue with white: Amp control Black: Steering wheel control ground Brown: Key 1 Brown with black: Key 2
	Red & White RCA Retain AUX (if applicable)

	CANBUS Module Controls different features - Reverse trigger - Steering wheel controls - Display vehicle information
	Factory USB Retention Insert the adaptor into the back of the factory USB connector, and then connect it to one of Polaris USB ports using Plug F

Model No. KD01028

- Toyota harness typically is an optional extra with the following units if your vehicle is 2020+ :
    - HiluxMaxx
    - Prado Maxx 18.
- Covers:
    - Power
    - Speakers
    - Steering wheel controls
    - Factory camera retention
    - Radio antenna adaptor
    - CANBUS module (communicates with the vehicle, powers reverse trigger and SWC without manual programming)
- Note: Depending on your model, not all plugs will be used.

Can be an Optional Extra for the following units:

PradoMaxx18

HlxMaxx

Universal Maxx

Universal Luxx

Main Power, Steering Wheel Controls, etc.
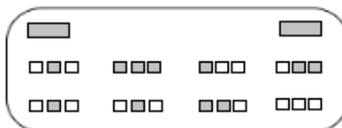
Illumination, Ignition IN, Factory Reverse Camera

- After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I.
- The harness recognises the camera connection, but the head unit needs the above additional step for your factory camera to display on our head unit.

CAM IN - on main power harness

Plug I: CAM IN - from back of head unit

Speakers

To view the pin configuration click here

	Radio Antenna Adaptor Connect the white plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Orange with black stripe: Reverse Trigger Black: SWC Ground Brown: Key 1 Brown with black stripe: Key 2
	Red & White RCA Retain AUX (if applicable)
	CANBUS Module Controls different features • Reverse trigger • Steering wheel controls • Display vehicle information
	Factory USB Retention Insert the adaptor into the back of the factory USB connector, and then connect it to one of Polaris USB ports using Plug F
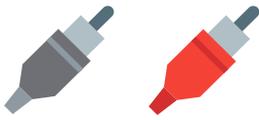
2010+ 79 SERIES NOTES

- When removing the original fascia, cut off 4 lugs (Figure A), which are unnecessary for reinstallation (applicable to 70Maxx only)
- The 79 series includes its own Antenna Adaptor (refer to page 24 for optimal radio reception).
- If installing a camera, wire the reverse trigger (see Figure B).
- In case of wiring harness stock shortage, we'll substitute it with an Polaris POL0141 Toyota wiring harness if you do not have steering wheel controls.
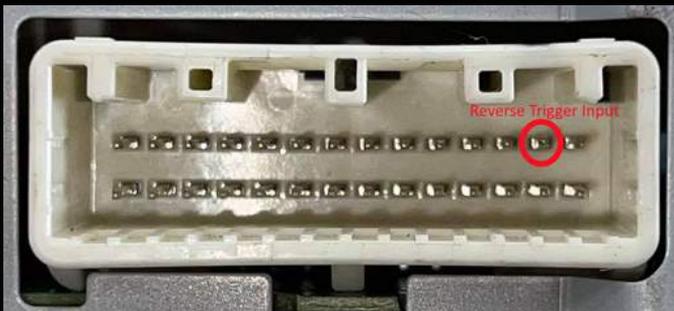
BEFORE   AFTER

Figure A.

Once you have located this pin, attach the reverse trigger wire from the main power harness to the wire that attaches to this pin

Figure B.

2010+ 79 SERIES NOTES

- The 79 series comes with a factory-installed Radio Antenna Adaptor, rendering the additional factory antenna adaptor unnecessary. Locate the factory radio antenna adaptor, unplug it, and you'll notice it has a standard 1 DIN radio connector. Simply plug this connector into the back of the 70 Maxx, as illustrated in Figures C and D.

Unplug factory radio antenna adaptor

Figure C.

Plug the factory 1 DIN radio antenna plug into the back of the 70 Maxx

Figure D.

If you plug the Polaris Radio Antenna Adaptor into the Factory Antenna Adaptor, the radio reception will be poor.

2010+ 79 SERIES NOTES

- Factory Brackets may need to be filed down for Toyota Luxx (See Figure E).

File down section highlighted in Red

Figure E.

TOYOTA HILUX 2015+ (HILUX MAXX)

- If you observe that the reverse trigger remains active even when the car is not in reverse gear, locate the black plug along the Reverse trigger wire and disconnect it
- There are two harness options for the Hilux Maxx. The KD01040 is compatible with models from 2015 to 2020, while the KD001028 is designed for the 2020 and later Hilux. If your original head unit features Carplay/Android Auto, you will require the 2020+ harness (KD001028). The 2020 model marked a transition, and this guideline helps determine the appropriate harness for your vehicle
- The 2015-2020 harness is a universal Toyota harness which means you may have leftover plugs that are not required to be used in your model.

TOYOTA PRADO 2014-2017 (PRADOMAXX14)

- If you find that the reverse trigger stays active when the car is out of reverse gear, there is a black plug in the middle of the Reverse trigger wire. Find this plug and unplug it.
- The included harness is a universal Toyota harness which means you may have leftover plugs that are not required to be used in your model.

- You will need to attach the new Hazard switch to your OEM hazard switch panel, please see pictures below.

New hazard switch is located in the satchel bag with all of the cables

Release the keyways to release the OEM Hazard switch.
Attach the new Hazard switch to the OEM switch panel

Remount the switch into the fascia panel & don't forget to plug the cable back in for the Hazard switch.

TOYOTA PRADO 2018+ (PRADOMAXX18)

- There are two harness options for the PradoMaxx18. The KD01040 is compatible with models from 2015 to 2020, while the KD001028 is designed for the 2020 and later Prado. If your original head unit features Carplay/Android Auto, it is recommended to use the 2020+ harness (KD001028). The 2020 model marked a transition, and this guideline helps determine the appropriate harness for your vehicle.

- The 2015-2020 harness is a universal Toyota harness which means you may have leftover plugs that are not required to be used in your model.

GENERAL TOYOTA NOTES

- If installing a camera and your harness has no CANBUS module wire the reverse trigger (see Figure F).
- Some older models may not have this pin, if this is the case, wire the reverse trigger to your reverse lights.
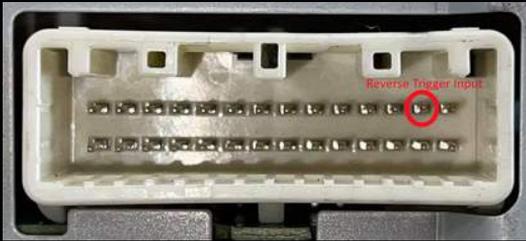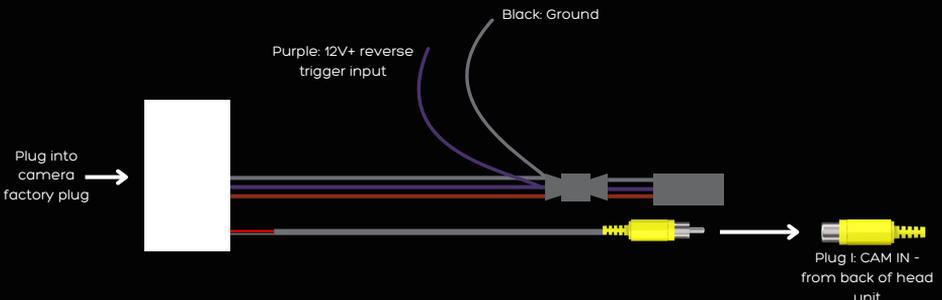

Figure F.

Once you have located this pin, attach the reverse trigger wire from the main power harness to the wire that attaches to this pin

- If your harness lacks a CANBUS module, manual programming is required for your steering wheel controls.
- If your harness includes a CANBUS module, there's no need for steering wheel control programming.
- If your harness has a CANBUS module and you're installing a universal head unit, ensure to adjust the CANBUS module setting in the factory settings to the correct configuration (refer to for details)

TOYOTA CAMERA RETENTION HARNESS
POLTY04 & POLTY02

Black: Ground

Purple: 12V+ reverse trigger input

Plug into camera factory plug

Plug I: CAM IN - from back of head unit

UNIVERSAL MAXX
UNIVERSAL LUXX

The Universal Maxx and Luxx come with a universal ISO wiring harness. There are a few options to turn the units into a plug_n_play setup:

**Add a basic Aerpro Harness
to suit your vehicle**

This plug will only cover power and speakers.

This type of Aerpro harness suits vehicles with steering wheel controls.

You will also require an Aerpro **APUNIPL2** harness for steering wheel controls.
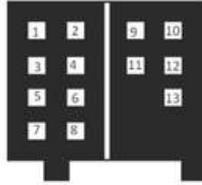
See Page 32 for the wiring diagram

Purchase a Polaris Wiring loom if available for your vehicle

UNIVERSAL MAXX
UNIVERSAL LUXX

Iso Plug Colour Wire / Pin diagram

1. Speaker Left Rear (+)

2. Speaker Left Rear (-)

3. Speaker Left Front (+)

4. Speaker Left Front (-)

5. Speaker Right Front (+)

6. Speaker Right Front (-)

7. Speaker Right Rear (+)

8. Speaker Right Rear (-)

9. 12V+ to ignition (Acc power on)

10. Ground (-)

11. Auto Antenna Control

12. Illumination

13. 12V+ to battery

Individual Wires

Steering Wheel ctrl Key 1

Steering Wheel ctrl Key 2

Steering Wheel Ctrl GND
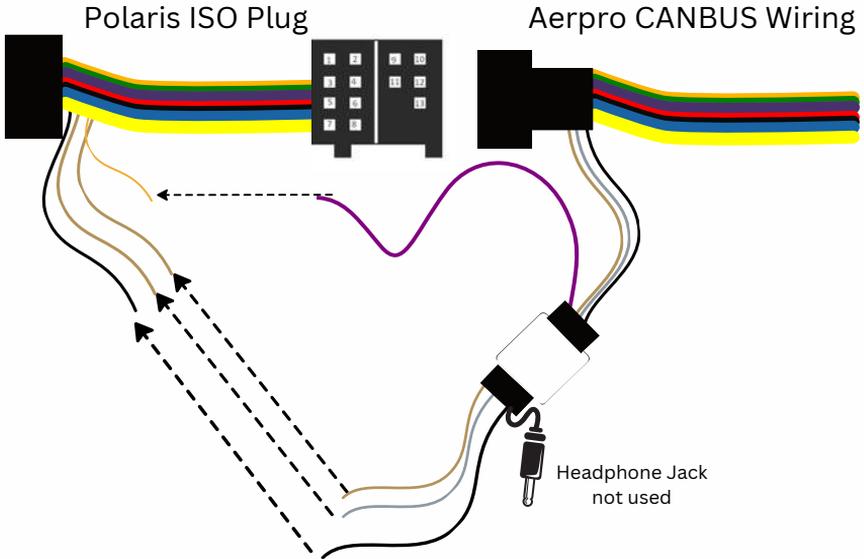
Reverse trigger

Handbrake Wire

Amp Control Wire

Plugs into vehicle wiring

- In most cases, basic Aerpro ISO harnesses typically lack steering wheel control wires, except for the APP091.
- If your vehicle has non-CANBUS-controlled steering wheel controls and you're using an Aerpro harness, you'll need to hardwire Key 1, Key 2, and Ground from our ISO harness into the corresponding steering wheel control wires in the vehicle. Afterward, manual programming of the steering wheel controls will be necessary

UNIVERSAL MAXX
UNIVERSAL LUXX

Aerpro CANBUS Module Wiring Diagram

Polaris ISO Plug   Aerpro CANBUS Wiring

Headphone Jack
not used

Polaris ISO Plug   **Aerpro CANBUS Wiring**

Key 1 (brown)   ◄·····►   Key 1 (Brown)

Key 2 (brown/black)   ◄·····►   Key 2 (Grey)

Ground (Black)   ◄·····►   Ground (Black)

*Reverse-In   ◄·····►   *Reverse Gear
(orange/black)   (purple/white)

*Reverse trigger is not always available on the Aerpro harness.

Aerpro Steering Wheel Control patch lead is required - APUNIPL2.

You will still need to program in your steering wheel controls via
Wheelkey study, please see video

Back to contents

UNIMAXX NOTES

- The Universal Maxx double DIN chassis is designed to attach to most vehicles' Factory brackets.
- Certain vehicles may require a fascia to fill the gap around the double DIN chassis.
- Check our list of popular fascia/installation kits here or check out www.aerpro.com and we can order parts in for you.
- Caution against frequent detaching and attaching of the screen to prevent potential damage and prolong screen life.

ATTACHING THE SCREEN

1. Plug the cable from the double DIN chassis into the back of the screen mount, ensuring correct alignment by matching up the locating pin.
2. Hold the screen and insert the mount into the opening on the double DIN chassis.
3. Listen for a click, indicating that the mount has securely attached. If no click is heard, it has not attached correctly
4. If the screen is not securely locked in place, it may be due to the ribbon hindering the click-in action.
5. Detach the screen, reposition the ribbon to clear the way, and attempt reattachment.

POLARIS HARNESS WITH CANBUS MODULE

If you are fitting one of these harnesses with a CANBUS module to a universal unit, please make sure your CANBUS settings have been set:

Go into Settings › Car settings › Factory settings › type in 126 › select CANBUS › Change Canbox settings

KD01040:Hilux Harness 2015-2020: **2. TOYOTA/CAMRY/RAV4 (Simple)**
KD001028 Hilux Harness 2020 +: **2. TOYOTA/CAMRY/RAV4 (Simple)**
KD06229 70 Maxx Harness: **2. TOYOTA/CAMRY/RAV4 (Simple)**
KD01040:200 MAXX Harness: **2. TOYOTA/CAMRY/RAV4 (Simple)**
KD00506 NP300 Maxx 2015-2019 Harness: **31. Nissan 2013 (Simple)**
KD4801 NP300 Maxx 2019 + **Harness: 31. Nissan 2013 (Simple)**
KD19116 VW Maxx 2011-2016 Harness: **13. VW-GOLF7 (Simple, Raise)**
KD00502 VW Maxx 2017 + Harness: **13. VW-GOLF7 (Simple, Raise)**
KD00506 BT50 Maxx: **24. Mazda/BT-50 (Simple)**
KD00001 Holden Colorado with mylink: **11. GM/BUICK/CHEVROLET/OPEL (Simple)**

There are other CANBUS settings that you can also change like front door, rear door, etc.
In most cases if any vehicle information or steering wheel controls are the opposite way around you can select the corresponding setting and select change.

UNILUXX NOTES

- The Universal Luxx double DIN chassis is designed to attach to most vehicles' Factory brackets.
- Some vehicles will require a fascia to fill the gap around the double DIN chassis. Please see <u>here</u> for a list of popular fascia/installation kits or head over to <u>www.aerpro.com</u> to see which fascia/install kit suits your vehicle.
- Note: The fascia might require slight modification for the Universal Luxx to fit properly.
- If you've installed a caravan camera on the Universal Luxx, programming one of the touch panel buttons is required to switch to the caravan camera image when in reverse.

To achieve this, follow these steps:

1. Select Settings.
2. Navigate to Car Settings.
3. Choose Factory Settings.
4. Enter the password "126."
5. Select KEY.
6. Choose Touch Key Study.
7. Select Clear.
8. Touch the eject button; program short press as eject.
9. Touch the power button; program short press as power.
10. Touch the Home button; program short press as Home and program long press as the Return/back icon.
11. Touch the Volume Increase button; program short press as Volume Increase.
12. Touch the Volume Decrease button; program short press as Volume Decrease.
13. Select Save Exit.
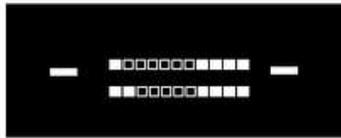
Notes: The return/back icon looks like this: ↰

Now when you engage reverse, you can long press the home button to switch to the caravan camera.

BT50MAXX

Fits: 2012-2014 XT, XTR & GT models
2015-2016 XT model

Main power, Speakers, Steering Wheel Controls etc.

Plugs into where your small Factory screen was originally plugged into

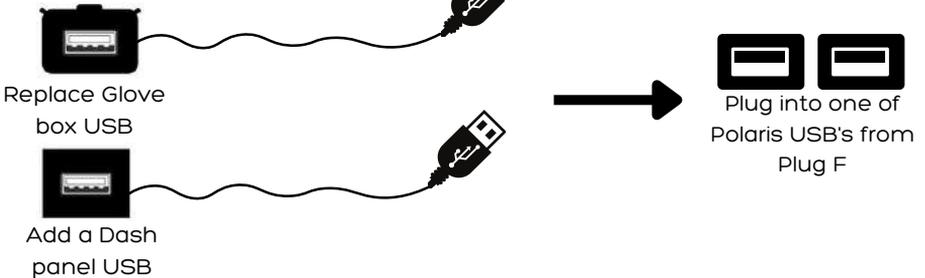To view the pin configuration click here

Hazard Switch / Door lock Wiring

Plugs into back of Polaris fascia panel behind
hazard/door lock switches

Located on the
main wiring
harness

USB Retention cables

Replace Glove
box USB

Add a Dash
panel USB

Plug into one of
Polaris USB's from
Plug F

Not Required In Australian Models

Located on the
main wiring
harness

	Radio Antenna Adaptor Connect the Antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Blue: Amp Control Brown: Key 1 Brown with black: Key 2
	CANBUS module Controls different features: • Steering Wheel Controls • Reverse Trigger • Accessories power • Also has a plug coming off module to retain Factory Reverse Sensor noise (if applicable)

BT50 MAXX NOTES

- Your steering wheel controls do not require wiring or programming. The CANBUS module comes pre-programmed for your convenience.
- If the unit fails to power up, or if it remains on with the key out of the ignition, please contact our technicians at 1300 555 514.
- In case your steering wheel controls aren't working, double-check the CANBUS module settings in Settings › Car Settings › Factory Settings › Passcode: 126 › CANBUS › Canbox Settings. Ensure it is set to Number 24: Mazda BT50 (Simple).
- Attach the clips removed from the original fascia panel to the BT50 Luxx fascia panel.
- The USB Retention cables are optional and not mandatory for use.
- Only the parts listed in the manual are required; if a part is not listed, it is not necessary for installation.
- If you encounter difficulty plugging the central lock and hazard button into the factory plugs, it may indicate incompatibility, especially if you own a 2015-2016 XTR or GT model.

GUMAXX

There are 3 types of harness that come with the GUMaxx, please fit the one that matches your factory plug.
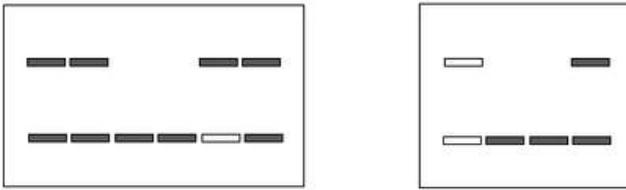
Model No. KD6001
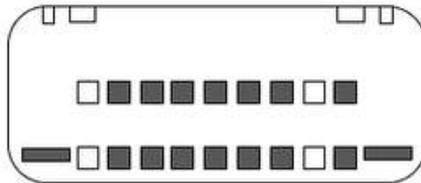
This plug covers main power, steering wheel Controls, Illumination & Speakers

To view the pin configuration click here

Model No. KD0005
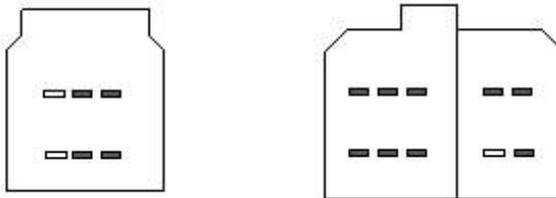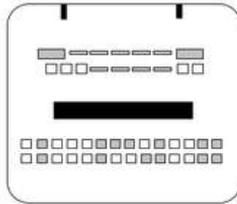
The 2 plugs cover main power, Illumination & Speakers

To view the pin configuration click here

Model No. KD00102

The 2 plugs cover main power, Illumination & Speakers

To view the pin configuration click here

	Radio Antenna Adaptor Connect the antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Pink: Handbrake Brown: Key 1 Brown with black: Key 2 Black: GND Orange with black: reverse trigger

If you have steering wheel controls, you will need to hardwire in Key 1, Key 2 & GND and manually program your steering wheel controls

HOLDEN COLORADO WITH MYLINK 2014-2016

Main power, Speakers, OEM Factory cam etc.

After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I.

The harness recognises the camera connection, but the head unit needs the additional step for your factory camera to display on our head unit.

CAM IN - on main power harness

Plug I: CAM IN - from back of head unit

Steering Wheel controls

To view the pin configuration click here

	Radio Antenna Adaptor Connect the Fakra plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Blue with white: Amp Control/ Ant power Black: Steering wheel GND Brown: Key 1 Brown with black stripe: Key 2
	Red & White RCA Retain AUX (if applicable)
	CANBUS Module Controls different features • Reverse trigger • Steering wheel controls • Display vehicle information
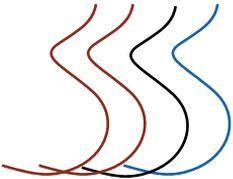
HOLDEN COLORADO WITH MYLINK 2014-2016 NOTES

- If you have factory reverse sensors, you can plug the speaker into the main harness to retain the sound.
- modify the CANBUS module setting on the head unit, follow these steps:
  1. Navigate to Settings.
  2. Go to Car Settings.
  3. Choose Factory Settings.
  4. Enter the passcode "126."
  5. Select CANBUS.
  6. Navigate to Canbox Settings.
  7. Ensure it is set to Number 11: GM/BUICK/CHEVROLET/OPEL.

ISUZU MAXX

Main power, Speakers, Steering Wheel controls etc.
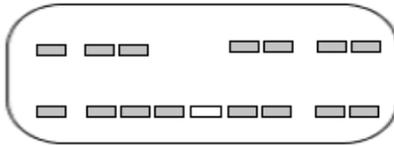
Factory Camera
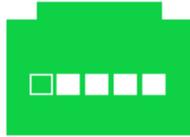
Reverse Trigger

	Radio Antenna Adaptor Connect the Antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Pink: Handbrake Blue with white: Amp Control/ Ant power

ISUZU MAXX NOTES

- You **will** need to program your steering wheel controls, See <u>page 59</u>

- This harness will fit most of the 2012 - 2020 Dmax and the 2013 - 2021 MU-X however, there is one model that requires an adaptor. Any model fitted with a Clarion Navigation Factory head unit (see Figure G), will require an adaptor as the vehicle harness differs from the rest of the models.

- If you do not require the Antenna Adaptor, make sure that the Antenna control wire has power to it on the car side. The best way to do this is to wire up the Amp ctrl wire to the Factory Antenna Ctrl wire (See Figure H)

Wire the Amp control wire to Radio Antenna Control

Figure G

Figure H.

To view the pin configuration of the main harness <u>click here</u>

POLARIS NP300 MAXX 2015-2019

This harness suits 2015-2019 Nissan NP300 SL,ST,ST-X

Please see notes if your model is RX/DX model

Main Power, Speakers

Steering Wheel Controls and Factory Camera
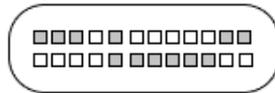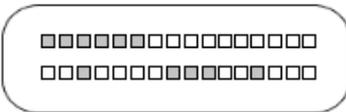
After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I. The harness recognises the camera connection, but the head unit needs the additional step for your factory camera to display on our head unit.
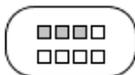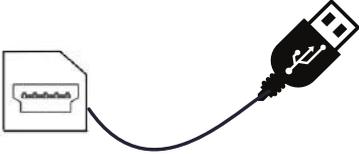

CAM IN - on main
power harness

Plug I: CAM IN - from
back of head unit

Steering Wheel Controls (No Factory Camera)
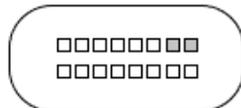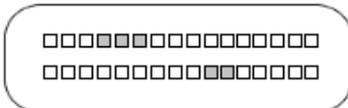
Retain AUX

To view the pin configuration <u>click here</u>

	Radio Antenna Adaptor Connect the antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Pink: Handbrake Brown: Key 1 Brown with black: Key 2
	Red & White RCA Retain AUX (if applicable)
	CANBUS Module Controls different features • Reverse trigger • Steering wheel controls • Display vehicle information
	Factory USB Retention Insert the adaptor into the back of the factory USB connector, and then connect it to one of Polaris USB ports using Plug F

POLARIS NP300 MAXX 2019 +
Main Power, Speakers, Reverse Trigger
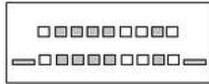
Factory Camera, Aux, Illumination

After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I. The harness recognises the camera connection, but the head unit needs the additional step for your factory camera to display on our head unit.

CAM IN - on main power harness

Plug I: CAM IN - from back of head unit

	Radio Antenna Adaptor Connect the antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Pink: Handbrake Brown: Key 1 Brown with black: Key 2 Black: Sterring wheel control ground
	Red & White RCA Retain AUX (if applicable)

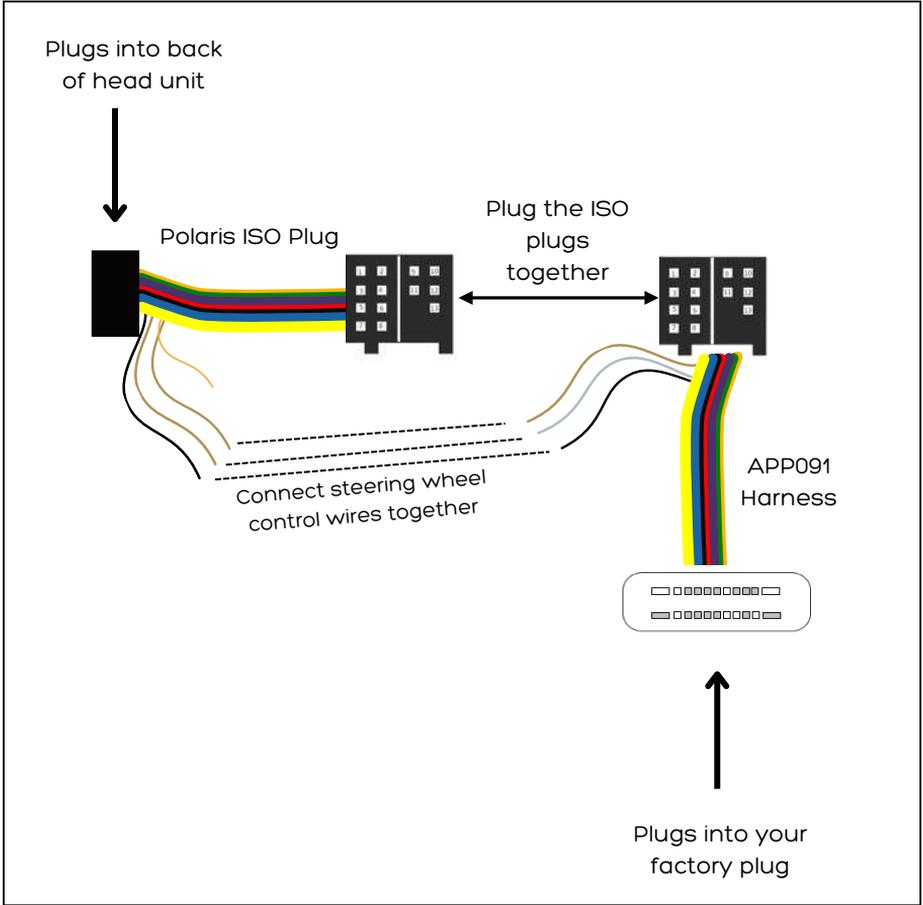|	
	CANBUS Module Controls different features • Reverse trigger • Steering wheel controls • Display vehicle information
	Factory USB Retention Insert the adaptor into the back of the factory USB connector, and then connect it to one of Polaris USB ports using Plug F

NP300 MAXX NOTES

- Use the metal clips from the back original head unit and attach them to the NP300 Maxx fascia (See figure I.).
- If your vehicle is an RX/DX model we will supply you with 2 different harnesses, please see for wiring diagram.

Figure I.

To view the pin configuration of the main harness click here

POLARIS NP300 MAXX 2015+ (RX, DX MODELS)

Plugs into back of head unit

Polaris ISO Plug

Plug the ISO plugs together

Connect steering wheel control wires together

APP091 Harness

Plugs into your factory plug

Polaris ISO Plug		APP091 Harness
Key 1 (brown)	◀┈┈┈▶	**Key 1 (Brown)**
Key 2 (brown/black)	◀┈┈┈▶	**Key 2 (Grey)**
Ground (Black)	◀┈┈┈▶	**Ground (Black)**

Once this has been wired correctly, please manually program your steering wheel controls: https://www.youtube.com/watch?v=D9X4kshzz9A

VW MAXX
2011-2016 AMAROK

Main Power, Speakers, Steering Wheel controls AUX, AMP

To view the pin configuration click here

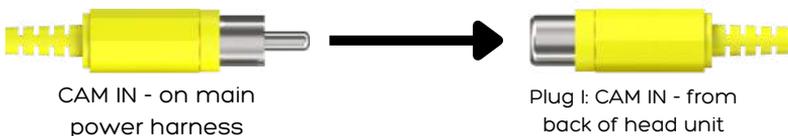|	
	Radio Antenna Adaptor Connect the antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Controls different features: • Steering Wheel Controls • Displays vehicle Info on screen • Displays sensors on screen (if applicable)
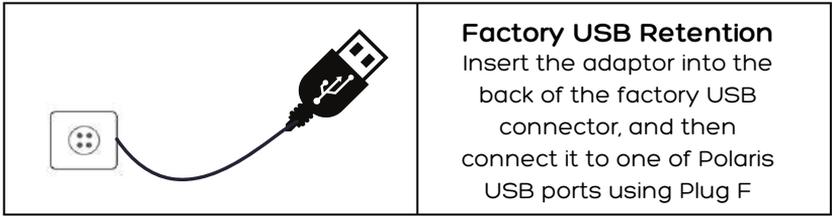
VW MAXX
2017 + AMAROK

Main Power, Speakers, Steering Wheel controls AUX, AMP, factory reverse camera

After connecting the factory camera plug into the harness, remember to connect the corresponding CAM IN RCA into Plug I. The harness recognises the camera connection, but the head unit needs the additional step for your factory camera to display on our head unit.

CAM IN - on main power harness

Plug I: CAM IN - from back of head unit

To view the pin configuration please click here

	Radio Antenna Adaptor Connect the antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit
	Individual wires Orange with black: Reverse Trigger Black: Steering Wheel Control ground Brown: Key 1 Brown with black: Key 2
	CANBUS Module Controls different features • Reverse trigger • Steering wheel controls • Display vehicle information
	Factory USB Retention Insert the adaptor into the back of the factory USB connector, and then connect it to one of Polaris USB ports using Plug F

VW MAXX NOTES

• Radio Antenna may differ in VW models. They may have dual or single. For Dual please see Figure J.

Figure J.

OBDII Setup

How to download the Torque app
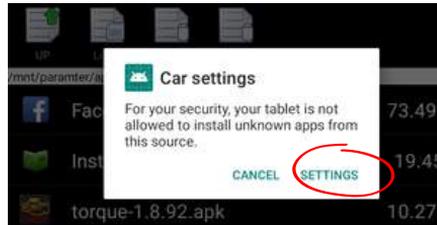
1. Select the APK installer app

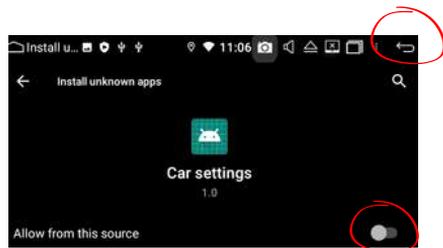**2. Select Torque in local storage**
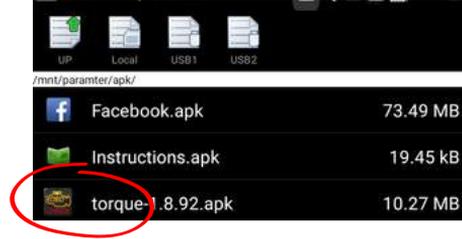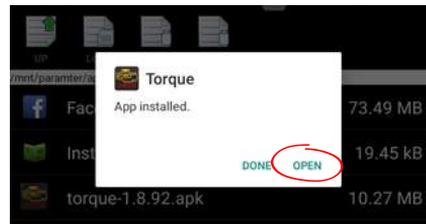

3. Install Torque app
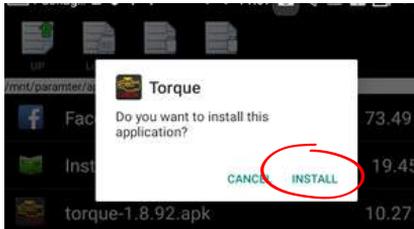
4. Settings

5. Allow and then select the return arrow to go back

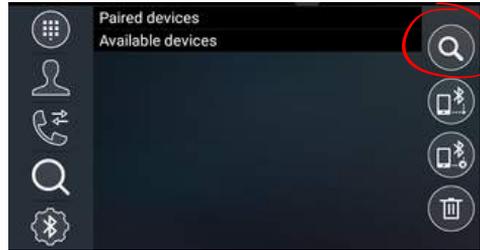**6. Once installation is complete, select Done**
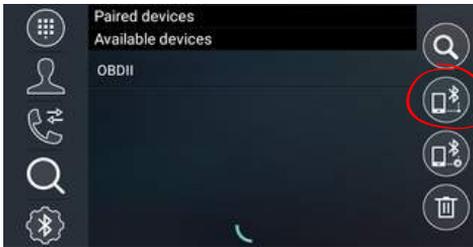
Pair OBDII to Android headunit

1. Select bluetooth on the main menu

2. Select the magnifying glass to search

3. Select OBDII and then pair (circled icon)

4. When successfully paired, OBDII will move into the paired devices section

How to setup the Torque app
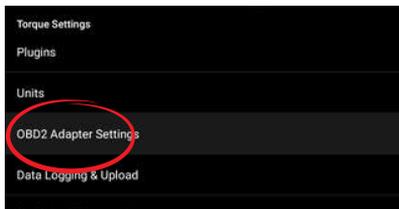
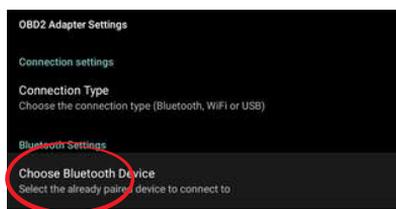1. Open the Torque app and select continue
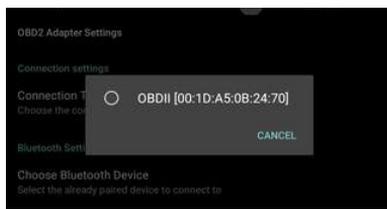
2. Select the Settings icon

3. Select Settings	4. Select OBDII Adapter Settings

| 5. Choose Bluetooth Device	6. Select OBDII

Press the return arrow and open Real Time Information

Pre 2006 Toyota Vehicles

We have found that for most Toyota vehicles that are made prior to 2006, require a special code to be put into the Vehicle Profile settings.

1. Press the **Settings** icon
2. Select **Vehicle Profile**
3. Scroll to the bottom and select **Show Advanced Settings**
4. Scroll to the bottom and input the code in the field shown in the below photo:
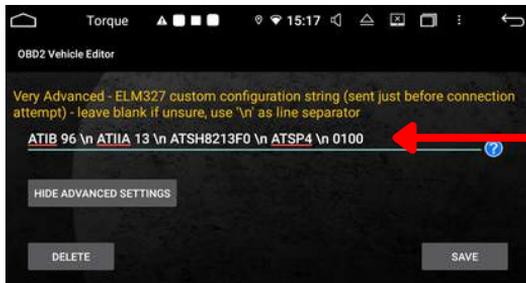
Please enter exactly as shown (spaces, uppercase, lowercase etc.)
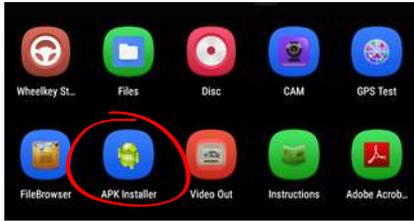Press **SAVE** once finished

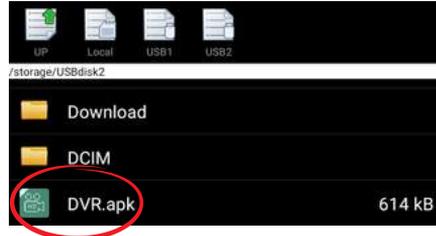Code: ATIB 96 \n ATIIA 13 \n ATSH8213F0 \n ATSP4 \n 0100

A53 Setup

How to download the DVR app

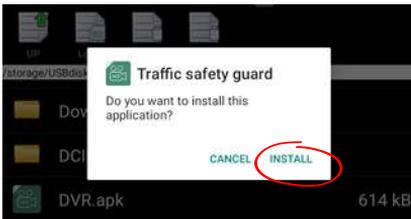**1. Select the APK installer app**

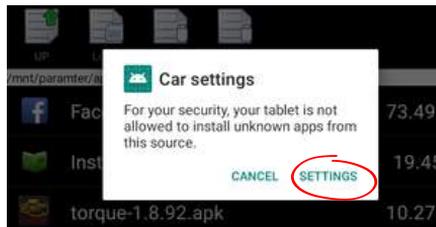**2. Select DVR in USB storage**

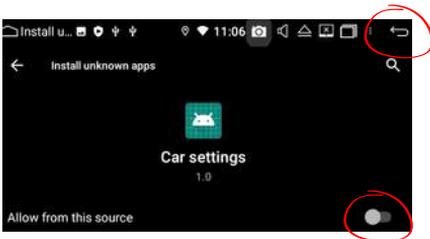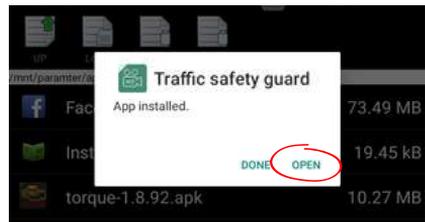**3. Install Traffic Safety Guard app**

4. Settings

5. Allow and then select the return arrow to go back

6. Once installation is complete, select Done

A53 App Functions

Record sound on video

Start/Stop recording

Lock current footage

Take a photo

Menu - Media playback, video duration, SD format

Picture in picture mode

Exit

2022/11/23 11:12:59   0 km/h

Date   Time   Speed

STEERING WHEEL CONTROLS

For any wiring harness without a CANBUS Module (Polaris wiring harness only), please see the video below on how to program your steering wheel controls.

HOW TO PERFORM A HARD RESET

Back to contents

HELPFUL VIDEOS

Please see below some videos that may be helpful

How to pull apart a Dmax / MU-X Dash

How to pull apart a BT50 dash

How to pull apart a 79 series dash

TROUBLESHOOTING

My Reverse camera isn't appearing when I put the vehicle in reverse.

Unless you have a Polaris wiring harness (excludes Aerpro) with a CANBUS module, you will be required to wire up the **Reverse trigger wire** to reverse power. Please see the wiring diagram on

The Radio Reception is poor

For **79 series,** please see

For all other models: If you do not need to use an Antenna Adaptor and your vehicle has the standard Radio Antenna connection (1 DIN), make sure the Antenna Control wire on the car side has power to it. You can wire up the **Amp control wire** on the Polaris harness to whichever pin controls the Antenna Control wire on the car side.

I have a Polaris wiring harness with a CANBUS module and my steering wheel controls aren't automatically working.

Please make sure the head unit is set on the correct CANBUS setting: Settings › Car Settings › Factory Settings › Password: 126 › CANBUS › Canbox Settings:

1. Hilux Harness 2015 to early 2020: 2. TOYOTA/CAMRY/RAV4 (Simple)
2. Hilux Harness Post 2020: 2. TOYOTA/CAMRY/RAV4 (Simple)
3. 70 Maxx Harness: 2. TOYOTA/CAMRY/RAV4 (Simple)
4. 200 MAXX Harness: 2. TOYOTA/CAMRY/RAV4 (Simple)
5. NP300 Maxx Harness: 31. Nissan 2013 (Simple)
6. VW Maxx Harness: 13. VW-GOLF7 (Simple, Raise)
7. BT50 Luxx/Maxx: 24. Mazda/BT-50 (Simple)
8. Holden Colorado with mylink: 11. GM/BUICK/CHEVROLET/OPEL (Simple)

I have a Polaris wiring harness with a CANBUS module and my doors appear on the wrong side (Left Hand Drive).
1. Settings › Car Settings › Factory Settings › Password: 126 › FUNC › Turn Rudder on
2. While you are still in the factory settings you can also go into CANBUS and change any settings in here if Rudder does not fix some of your vehicle information appearing correctly.

I have fitted a Universal Maxx and the touch screen is unresponsive
1. Turn the vehicle off.
2. Carefully detach the screen and reattach it, ensuring a secure connection and double-checking the pins.
3. Turn the vehicle back on.
4. Use a small device to access the reset hole.
5. Hold the reset button until you see lights flashing around the buttons, then release.
6. The unit will undergo a cold boot, and the touch screen should become responsive.