

# Polaris Android Installation Manual



## New Era Models

# Thank You

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](mailto: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

# CONTENTS

<u>Installation Notes</u>	<u>6</u>
<u>Recommended Tools</u>	<u>7</u>
<u>Head Unit Overview</u>	<u>8</u>
<u>Accessories / Parts - All Head Units</u>	<u>9</u>
<u>Reverse Camera Overview</u>	<u>12</u>
<u>Reverse camera - Inputs &amp; Settings</u>	<u>13</u>
<u>Reverse Camera - Mini Camera wiring</u>	<u>14</u>
<u>Reverse Camera - Caravan Camera</u>	<u>15</u>
<u>Toyota Harness TOY001: 70Maxx / N70Maxx</u>	<u>18</u>
<u>Toyota Harness TOY002: PradoMaxx18 200Maxx, Prado14Maxx, HlxMaxx</u>	<u>22</u>
<u>Toyota Harness TOY003: Prado Maxx18 HlxMaxx</u>	<u>27</u>
<u>79 series notes</u>	<u>31</u>
<u>PradoMaxx18 Notes</u>	<u>33</u>
<u>General Toyota Notes</u>	<u>34</u>
<u>Toyota Camera Retention Harness</u>	<u>34</u>
<u>BTMaxx</u>	<u>35</u>
<u>GUMaxx</u>	<u>39</u>
<u>IsuMaxx for Holden Colorado with mylink</u>	<u>42</u>

# CONTENTS

<u>IsuMaxx for Dmax/MU-X</u>	<u>46</u>
<u>NPMaxx</u>	<u>50</u>
<u>VWMaxx</u>	<u>54</u>
<u>How to program steering wheel controls</u>	<u>58</u>
<u>Helpful videos</u>	<u>59</u>
<u>Troubleshooting</u>	<u>60</u>

# 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 [page 3](#)

# 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

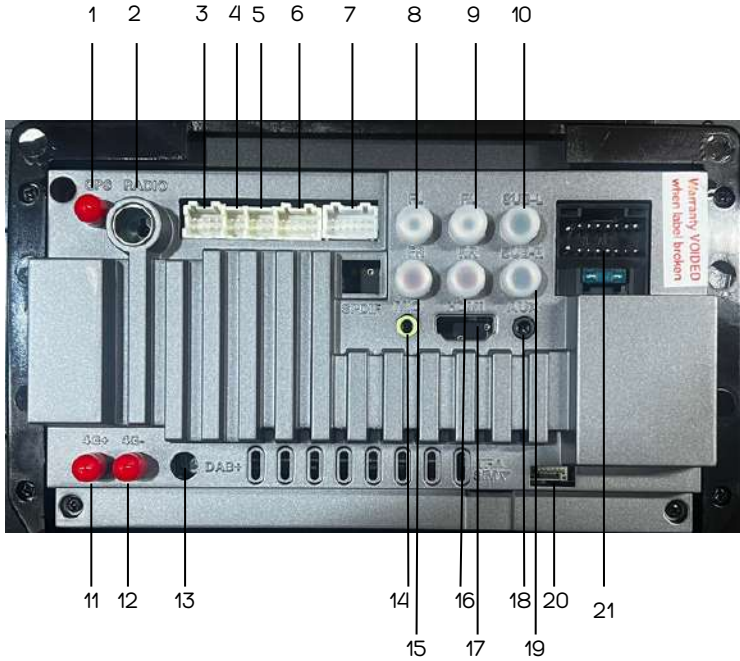


Electrical Tape



Instructions

# OVERVIEW



1	GPS Antenna	11	4G Antenna +
2	Radio Antenna	12	4G Antenna -
3	CVBS Front Cam input + CANBUS module power	13	N/A
4	USB Input - Carplay / Android auto	14	External Mic Input
5	USB Input x 2	15	FR Speaker
6	V1 & 2 Out, AUX, Amp, CVBS Camera input, Wifi & Bluetooth Antenna	16	RR Speaker
7	AHD Front & Rear Camera Input	17	N/A
8	FL Speaker	18	AUX Input
9	RL Speaker	19	SUB-Right
10	SUB - Left	20	Sim card module
21	Main power harness		

[Back to contents](#)



# PARTS

## External Microphone



The unit is set by default to use the external mic. If you don't plug it in, you'll need to configure the settings to change to internal mic. To change the setting go to:

**Settings > Volume > Microphone**

---

## USB Inputs x 2



The two USB inputs are primarily for media and are designed to be long enough to reach the glove box.

---

## Carplay / Android Auto USB



This USB port is designated for wired Carplay and Android Auto. Please use it to connect your phone for these applications. Some models may include a USB retention cable, allowing you to use your factory USB port instead.

---

## AHD Front & Rear Camera Input



Use this input for Polaris AHD 30Hz NTSC cameras. For more information on reverse cameras, please see [page 13](#), as mixing CVBS and AHD cameras can be complex and requires specific inputs and settings changes on the head unit.

## CVBS Front Camera & CANBUS module power



Use this input for a CVBS front camera. For more information on reverse cameras, please see [page 13](#), as mixing CVBS and AHD cameras can be complex and requires specific inputs and settings changes on the head unit.

If your head unit has a CANBUS module connected to the main wiring harness, ensure you plug this cable into the back of the head unit and connect the white plug to the main power harness to provide power to the module. Failure to do so will result in no power to the CANBUS module.

---

## V18 2 Out, AUX, Amp, CVBS Camera input, Wifi & Bluetooth Antenna



**IMPORTANT:** Please plug in this cable even if you don't need to use it, as it has a built-in Bluetooth and WiFi antenna. Failure to do so will result in poor Bluetooth and WiFi reception.

Use this input for a CVBS rear camera (this is typically the correct input for retaining a factory reverse camera). For more information on reverse cameras, please see [page 13](#), as mixing CVBS and AHD cameras can be complex and requires specific inputs and settings changes on the head unit.

## SMA to FAKRA Adaptor



Only required if you already have a GPS Antenna installed with a FAKRA plug and wish to retain this, otherwise it is not required.

---

## GPS External Antenna



The unit does not have a built-in GPS antenna, so you will need to plug in the external one. We recommend installing it on top of the dashboard with the black side of the aerial facing the sky.

---

## Sim Card Input



Plug this cable in if you wish to use a sim card. You can insert a 5G sim card, but it will only pick up 4G. The cable is long enough to place in the glove box.

---

## 4G Antenna (=) & 4G Antenna (-)



Plug in both of these antennas and mount them on your dashboard if you want to use the SIM card function. It doesn't matter which plug they are connected to, as long as both are plugged in.

## Individual wires

Some harnesses have individual wires, here are the most common uses for them:

PARK: Usually wired up to handbrake to work in conjunction with video (don't need to wire up)

AMP-Con: Wire up sub or can be used for radio antenna power

Key 1 & Key 2: Used to wire up steering wheel controls (not required if unit has a CANBUS module)

Ground: Head Unit Ground (not required if unit has a CANBUS module)

# REVERSE CAMERA

The head unit features four camera inputs, but not all inputs can be used simultaneously due to specific settings and input requirements for AHD and CVBS cameras. We will outline the most common setups on the following page, indicating which camera input to use and the necessary camera settings. For clarity, we have numbered the camera inputs.

## Important Information:

### Pre-set Camera Settings:

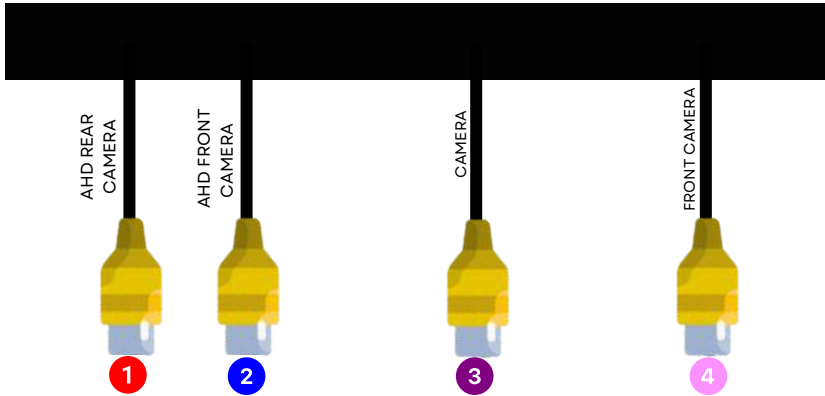
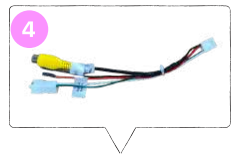
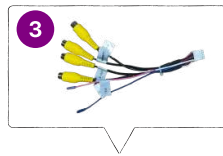
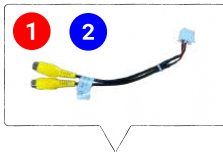
- If we provide a camera with the head unit, we will do our best to pre-set the correct camera settings before shipping.
- If you are retaining a factory camera, we will also try to set the correct camera settings before shipping.

### Camera Types:

- Most AHD cameras we use are AHD 1080P 30Hz
- Most CVBS cameras we use are CVBS - NTSC.
- Most factory cameras are CVBS - NTSC.
- Pre Jan 2023 Safety Dave caravan cameras are CVBS - NTSC
- Post Jan 2023 Safety Dave Caravan cameras are AHD 1080P 30Hz

**The following page is an overview of the reverse cameras, each head unit will have their own diagrams and what settings they should be set to.**

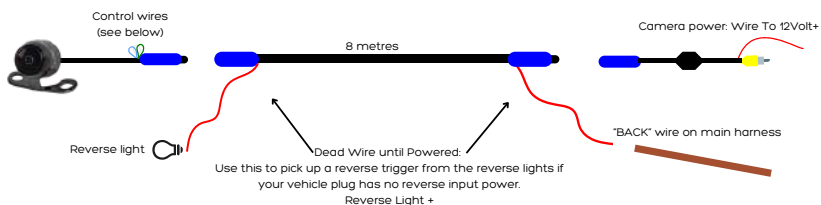
**[Back to contents](#)**



After plugging your camera into the correct input, navigate to **Settings > Reverse Mode**. Refer to the table below for the different camera formats and their corresponding settings.

Type of Camera	Camera Qty	Common Setup	Camera Input	Mode	Format	Notes
CVBS	1	Retaining factory camera	Camera <b>3</b>	CVBS Camera	N/A	
CVBS	2	Retaining factory camera and plugging in a CVBS caravan camera	AHD Rear Camera <b>1</b> AHD Front Camera <b>2</b>	AHD Front Rear Record	CVBS NTSC	
AHD	1	Polaris AHD mini camera	AHD Rear Camera <b>1</b>	AHD Front Rear Record	1080P FHD 30Hz	
AHD	2	Car camera: Polaris AHD mini camera Caravan camera: Polaris AHD camera or Safety Dave AHD camera	AHD Rear Camera <b>1</b> AHD Front Camera <b>2</b>	AHD Front Rear Record	1080P FHD 30Hz	Both AHD cameras have to be the same format
CVBS & AHD	2	Car camera: Polaris AHD mini camera Caravan camera: Polaris caravan camera CVBS	AHD Camera: AHD Rear Camera <b>1</b> CVBS Caravan Camera: Front camera <b>4</b>	4 Channel AHD	4 channel AHD camera format: 1080P FHD 30Hz 4 Channel right signal channel: CVBS Right Channel	

# POLARIS MINI AHD CAMERA WIRING DIAGRAM



1. Plug the camera into its correct input (see [page 13](#)).
2. Connect the red wire coming from the RCA plug on the mini camera to ACC+ to provide power to the camera.
3. Wire the reverse trigger (**brown** "BACK" wire) from the main power harness to a reverse input feed from your factory plug. This will signal the unit when the car is in reverse.
4. If your unit has a CAN module, you can skip step 3, as the CAN module will provide a reverse trigger.
5. For older vehicles with no reverse input power in the factory plug, use the red cable on the extension cable to pick up a reverse feed from your reverse lights at the rear of the vehicle.
6. Once you have installed the head unit and powered it on, ensure the camera input and format are correct (see [page 13](#)).
7. Test the reverse camera.

## MINI CAMERA CONTROL WIRES

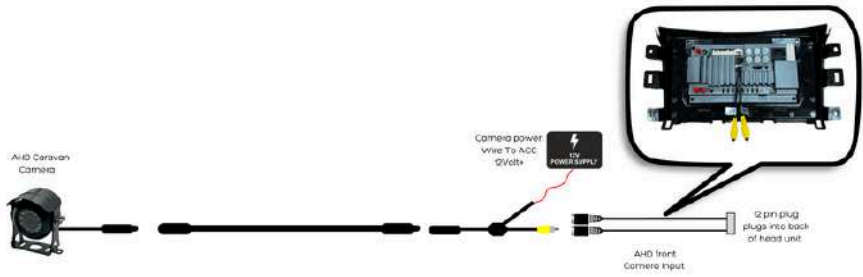
**BLUE: AHD/CVBS:** Cut this wire to convert the camera to a CVBS signal (note: camera image quality will decrease slightly).

**GREEN: Image Control:** Cut this wire to mount the camera on the front of the vehicle and change the reversed image to a front-facing image.

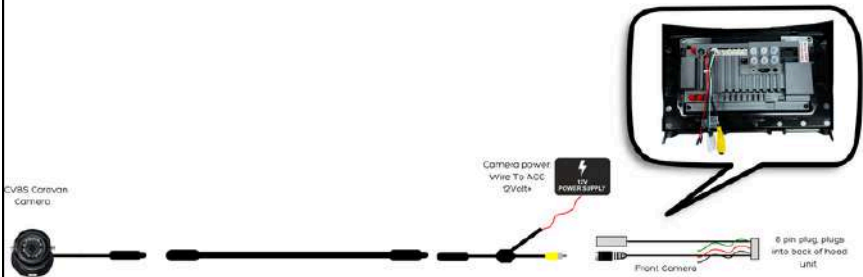
**WHITE: Guidelines:** Cut this wire to remove the guidelines from the camera display.

# CARAVAN CAMERA

## Adding a AHD Caravan Camera

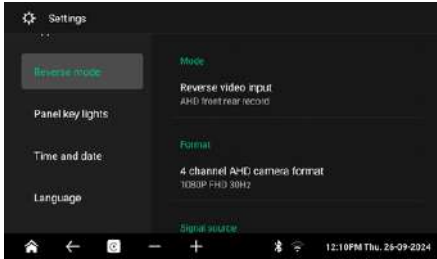


## Adding a CVBS Caravan Camera



# CARAVAN CAMERA REVERSE CAM SETTINGS

## Polaris AHD mini camera + AHD Caravan Camera



Mode:

Reverse Video Input:

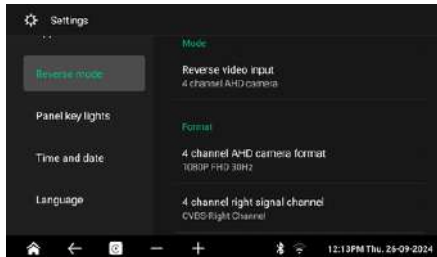
**AHD Front Rear Record**

Format:

4 channel AHD camera format:

**1080P FHD 30Hz**

## Polaris AHD mini camera + CVBS Caravan Camera



Mode:

Reverse Video Input:

**4 channel AHD camera**

Format:

4 channel AHD camera format:

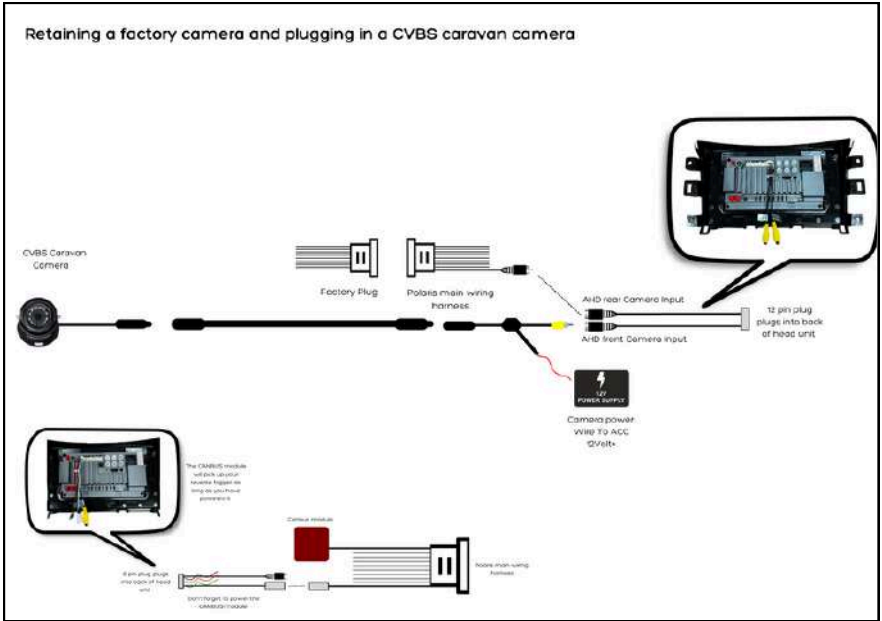
**1080P FHD 30Hz**

4 channel right signal channel

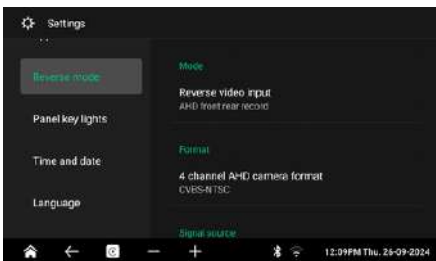
**CVBS-Right channel**



# CARAVAN CAMERA - RETAINING FACTORY CAM + ADDING A CVBS CARAVAN CAMERA



## CARAVAN CAMERA REVERSE CAM SETTINGS



Mode:

Reverse Video Input:

**AHD Front Rear Record**

Format:

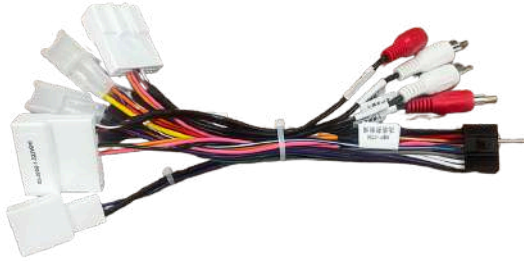
4 channel AHD camera format:

**CVBS-NTSC**

[Back to contents](#)

# TOYOTA HARNESSES

**Model No. TOY001 (No CANBUS module)**



**Commonly used for**



70 Maxx



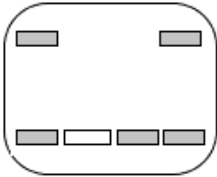
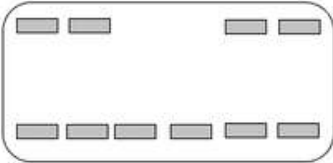
N70 Maxx

## About

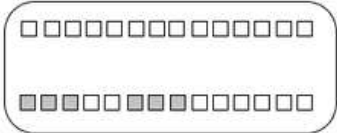
- Included in the 70Maxx and N70Maxx .
- Classified as a universal Toyota harness, it seamlessly connects with various Toyota vehicles.
- Connection features:
  - Primary power integration
  - Speaker compatibility
  - Steering wheel control support
  - Built-in radio antenna for applicable Toyota models
- 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.

**[Back to contents](#)**

### Main Power and Speakers



### Steering Wheel Controls



### Radio Antenna Adaptor



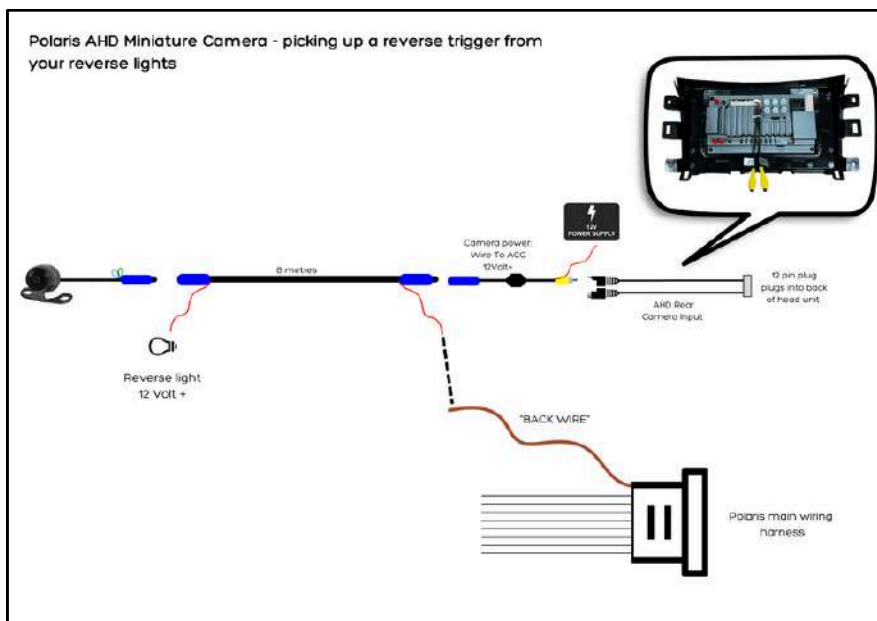
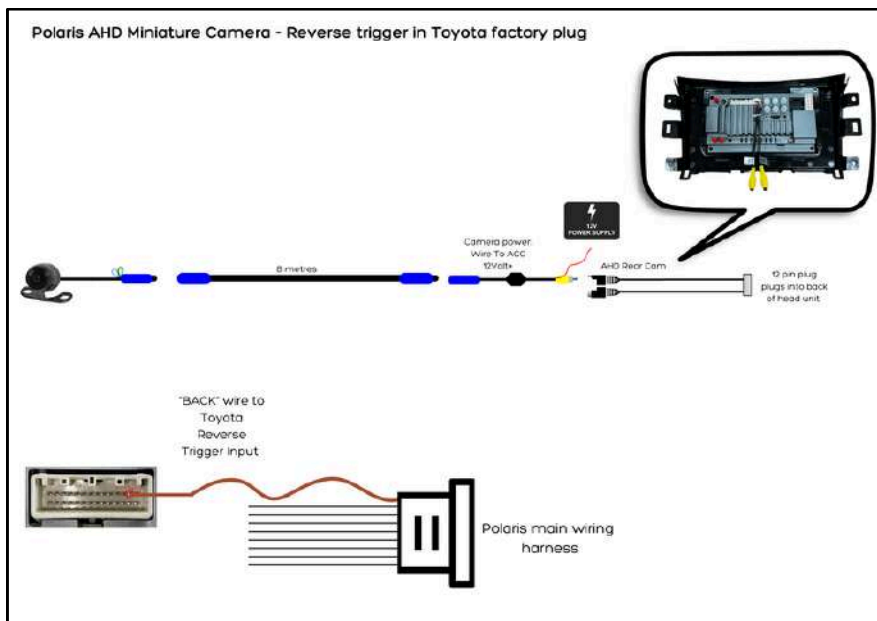
Plug the adaptor into the factory radio plug and the one din pin into the back of the head unit (excludes 70Maxx see [page 25](#))

### Individual wires on power harness



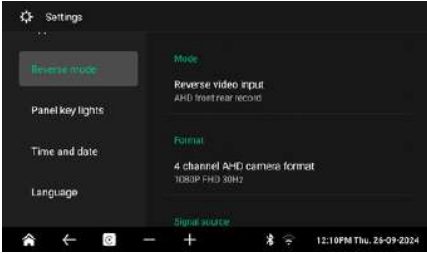
Brown: Reverse trigger  
Blue with white: Amp control

# Reverse Camera



# Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:

Reverse Video Input:

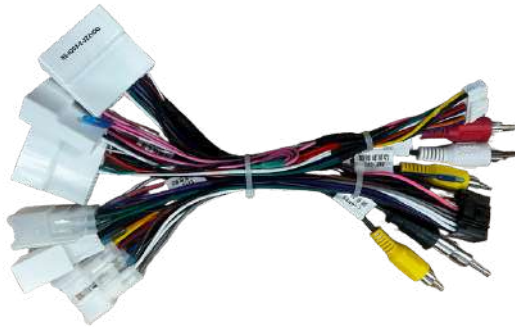
**AHD Front Rear Record**

Format:

4 channel AHD camera format:

**1080P FHD 30Hz**

## Model No. TOY002



### Commonly used for



PradoMaxx18



200Maxx



Prado14Maxx

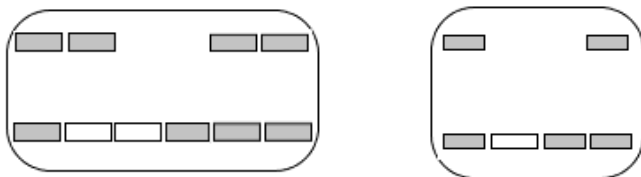


HilxMaxx

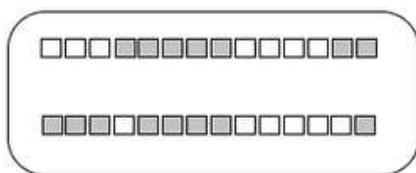
### About

- Toyota harness typically included with:
  - Prado Maxx 18 (18-20), 200Maxx, Prado14Maxx & Prado18Maxx
- 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.

## Main Power and Speakers



## Reverse Trigger, Handbrake, Steering Wheel Controls

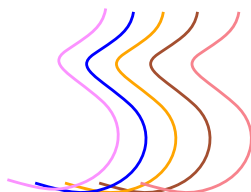


## Radio Antenna Adaptor



Plug the adaptor into the factory radio plug and the one din pin into the back of the head unit

## Individual wires on power harness



Blue with white: Amp control  
Pink: Brake  
Brown: Reverse Trigger  
Salmon pink: Key 1  
Orange with white: Key 2

# CANBUS Module



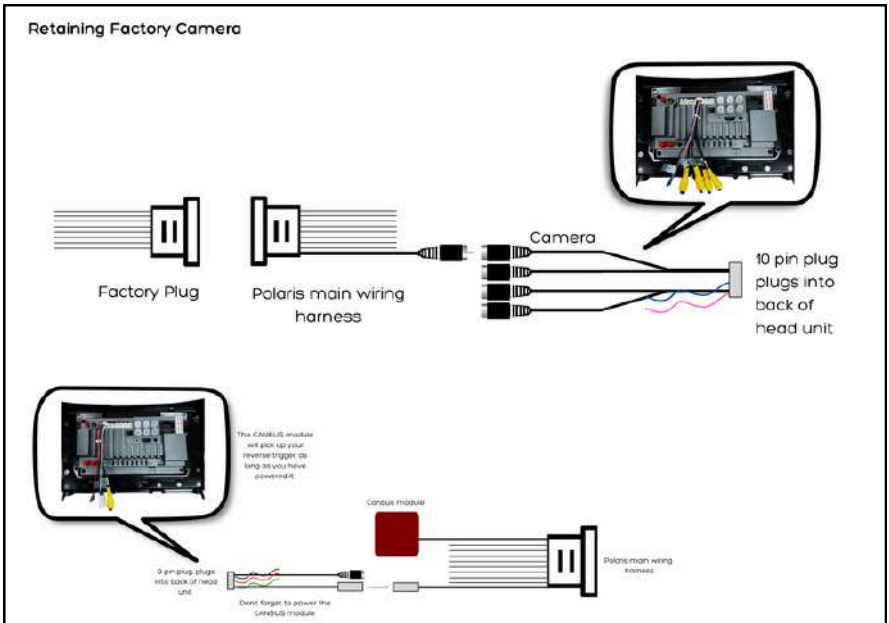
## Controls different features

- Reverse trigger
- Steering wheel controls
- Display vehicle information

# Retaining Factory Camera



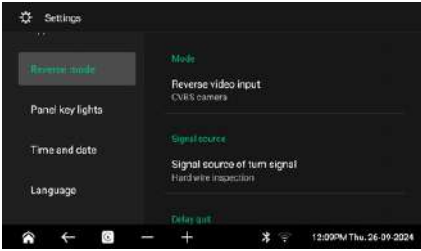
- The 6-pin plug is typically used for the factory camera.





# Reverse Camera Settings

Go into Settings > Reverse mode:

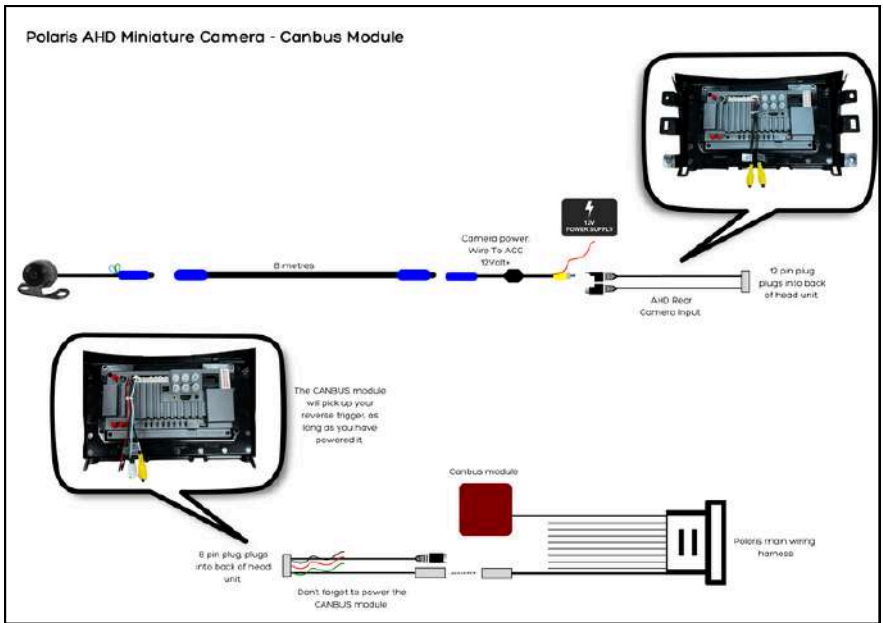


Mode:

Reverse Video Input:  
**CVBS camera**

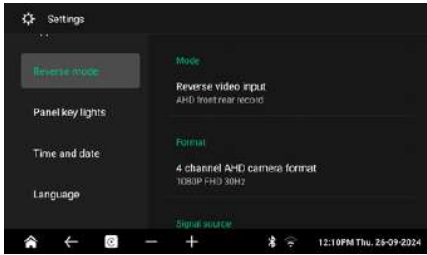
Format:  
N/A

# Installing Polaris AHD Mini Camera



## Reverse Camera Settings

Go into Settings › Reverse mode:



Mode:

Reverse Video Input:

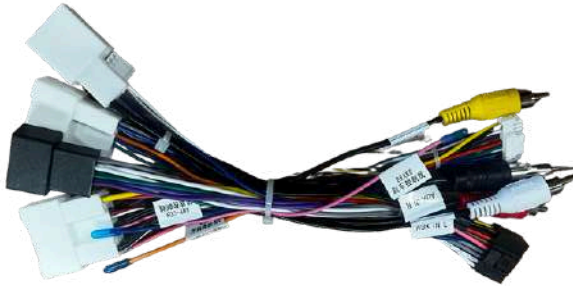
**AHD Front Rear Record**

Format:

4 channel AHD camera format:

**1080P FHD 30Hz**

**Model No. TOY003**



**Commonly used for**



PradoMaxx18



HiluxMaxx

## **About**

- Toyota harness typically used for
  - Prado Maxx 18 (2020+), Toyota Hilux 2020+
- 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.

**[Back to contents](#)**

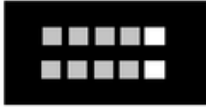
## Main Power, Steering Wheel Controls, etc.



## Illumination, Ignition IN, Factory Reverse Camera



## Speakers



## Radio Antenna Adaptor



Plug the adaptor into the factory radio plug and the one din pin into the back of the head unit

## Individual wires on power harness



Purple: Amp Control  
Pink: Brake  
Orange with white: Key 2  
Salmon: Key 1

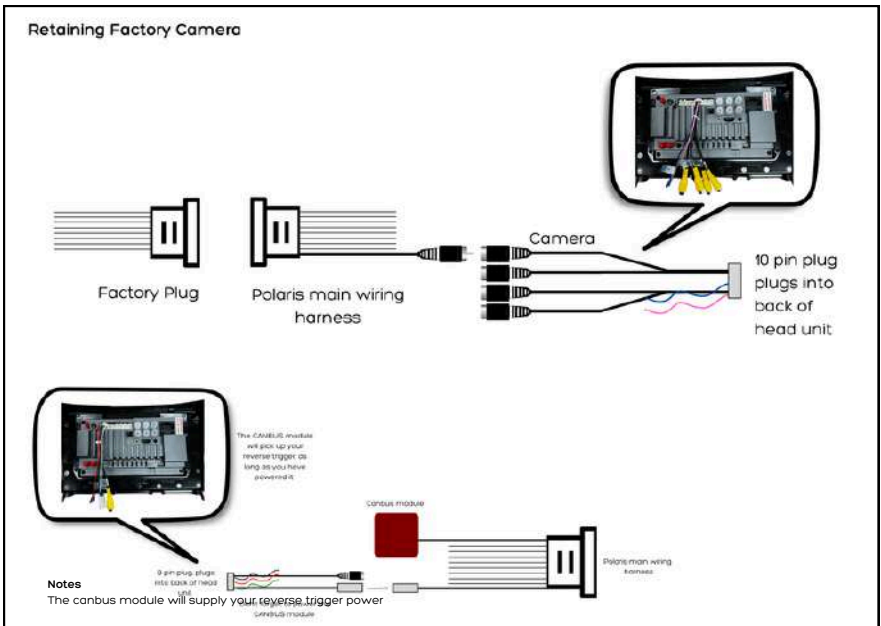
## CANBUS Module



### Controls different features

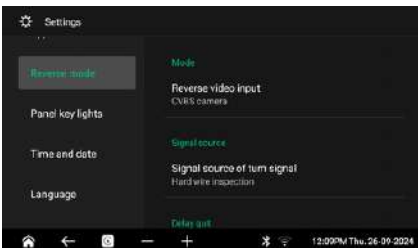
- Reverse trigger
- Steering wheel controls
- Display vehicle information

## Reverse Camera



## Reverse Camera Settings

Go into Settings > Reverse mode:

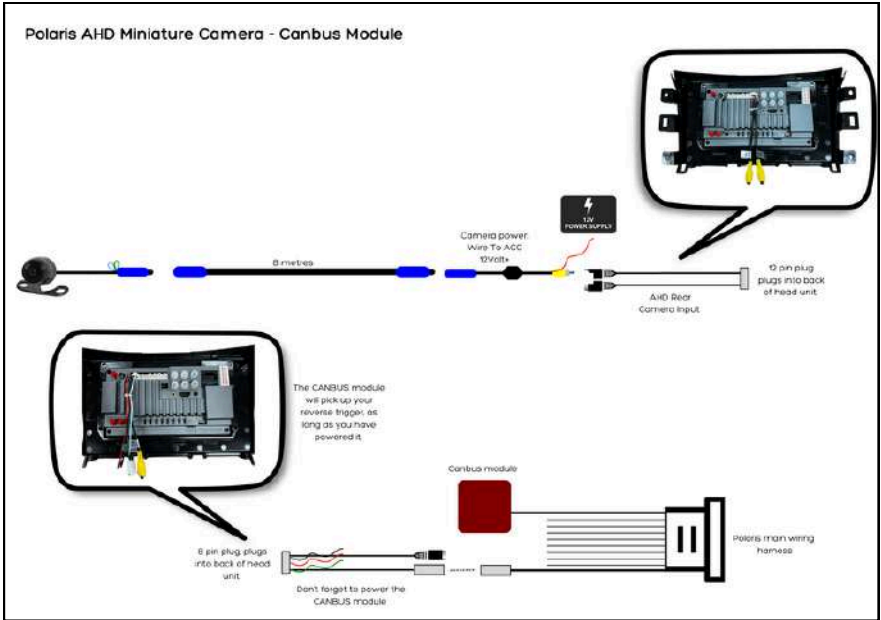


Mode:  
Reverse Video Input:  
**CVBS camera**

Format:  
N/A

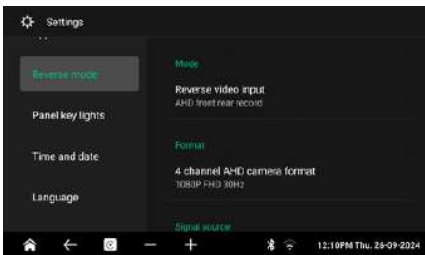
[Back to contents](#)

# Installing Polaris AHD Mini Camera



## Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:

Reverse Video Input:

**AHD Front Rear Record**

Format:

4 channel AHD camera format:

**1080P FHD 30Hz**

# 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 25](#) for optimal radio reception).
- If installing a camera, wire the reverse trigger (see Figure B).

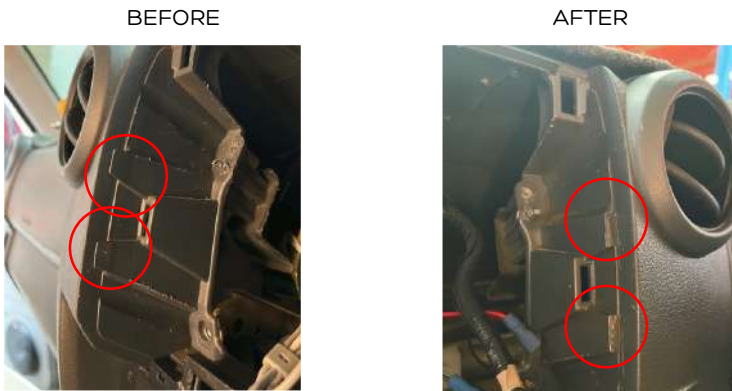


Figure A.



Figure B.

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

# 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.



# TOYOTA PRADO 2018+

## (PRADOMAXX18)

- There are two harness options for the PradoMaxx18. The TOY002 is compatible with models from 2015 to 2020, while the TOY003 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 (TOY003). 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.

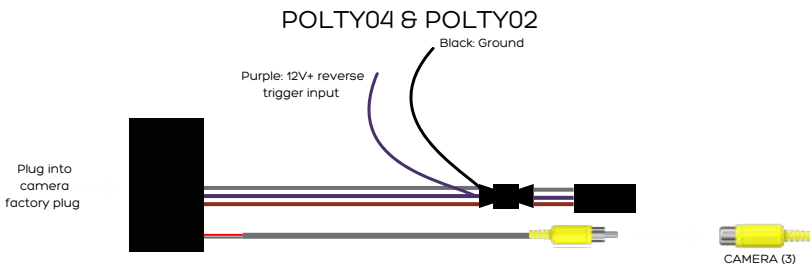


Figure F.

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

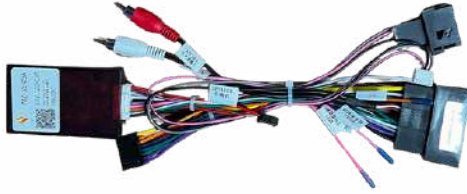
- If your harness lacks a CANBUS module, manual programming is required for your steering wheel controls.
- If your harness includes a CANBUS module, there's no need for steering wheel control programming.

## TOYOTA CAMERA RETENTION HARNESS

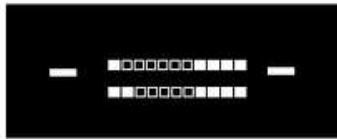


[Back to contents](#)

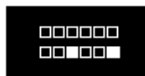
# BT50MAXX



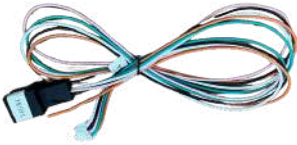
Main power, Speakers, Steering Wheel Controls etc.



Plugs into where your small Factory screen was originally plugged into



## Hazard Switch / Door lock Wiring



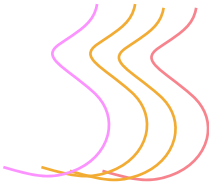
The white plug connects to the back of the fascia panel, while the other end integrates with the vehicle's wiring for the hazard switch and door lock functions.

## Radio Antenna Adaptor



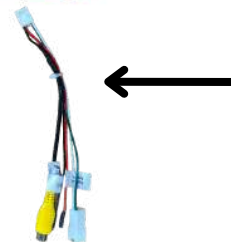
Connect the Antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit

## Individual wires



Pink: Amp Control  
Orange: Illumination  
Orange with white: Key 2  
Salmon pink: Key 1

## CANBUS module



Controls different features:

- Steering Wheel Controls
- Reverse Trigger
- Accessories power

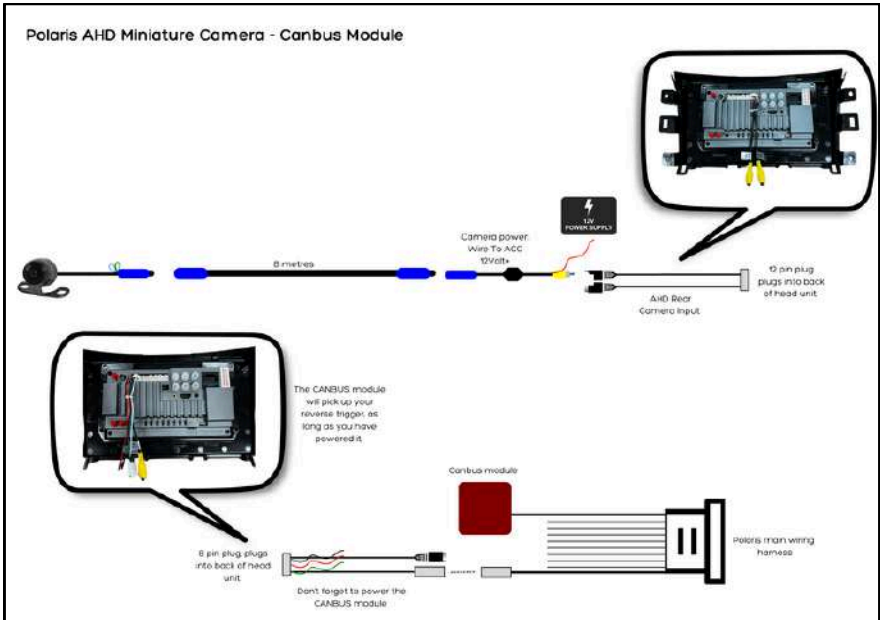
Remember to power the module by connecting this harness to the back of the head unit and then plugging the other end into the main power harness.

# Speaker



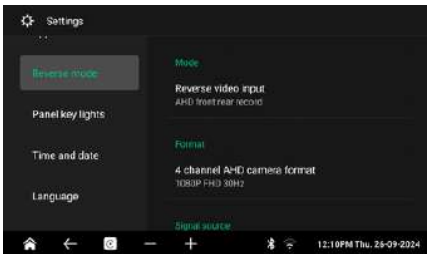
Retains factory sensor sound

# Reverse Camera



# Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:  
Reverse Video Input:  
**AHD Front Rear Record**

Format:  
4 channel AHD camera format:  
**1080P FHD 30Hz**

# 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.
- Attach the clips removed from the original fascia panel to the BT50 Luxx fascia panel.
- 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. NISS001**

**Main power, Illumination, Speakers , Steering wheel controls**



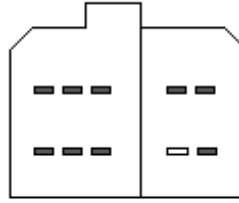
## **Model No. NISS002**

**The 2 plugs cover main power, Illumination & Speakers**



## Model No. NISS003

The 2 plugs cover main power, illumination & Speakers



## 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



### NISS001

Green: Key 1

Grey: Key 2

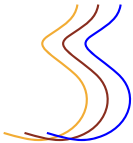
Brown: BACK (reverse trigger)



### NISS002

Black: Head Unit Ground

Brown: BACK (reverse trigger)



### NISS003

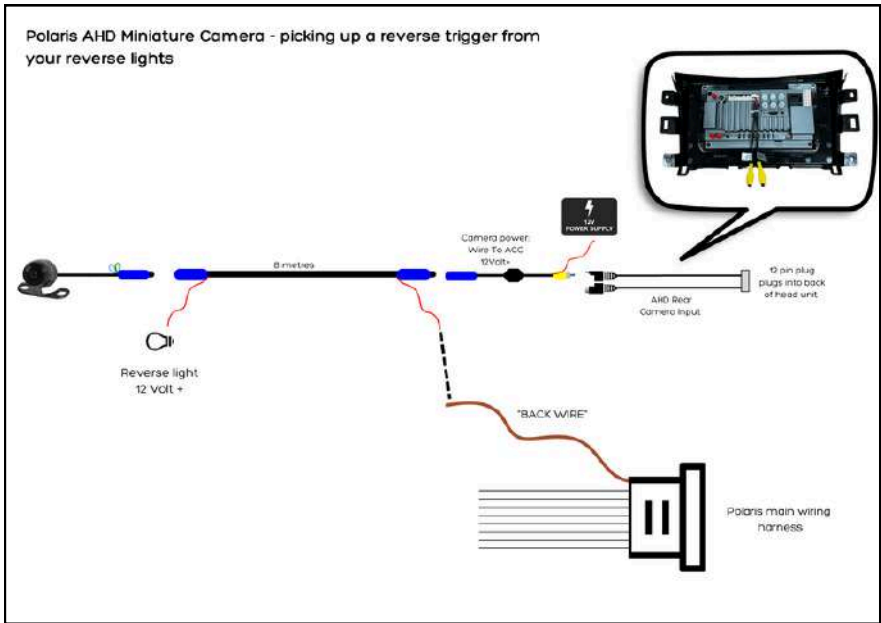
Orange: Key 1

Blue: Key 2

Brown: BACK (reverse trigger)

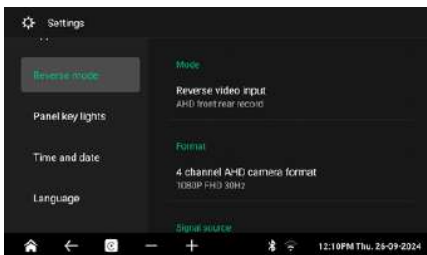
If you have steering wheel controls, you will need to hardwire in Key 1, Key 2 & GND and manually program your steering wheel controls





## Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:

Reverse Video Input:

**AHD Front Rear Record**

Format:

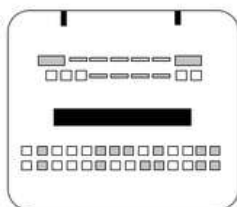
4 channel AHD camera format:

**1080P FHD 30Hz**

# HOLDEN COLORADO WITH MYLINK 2014-2016



Main power, Speakers, OEM Factory cam etc.



Steering Wheel controls



## 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  
Salmon: Key 1  
Brown: BACK (reverse trigger)

## CANBUS Module



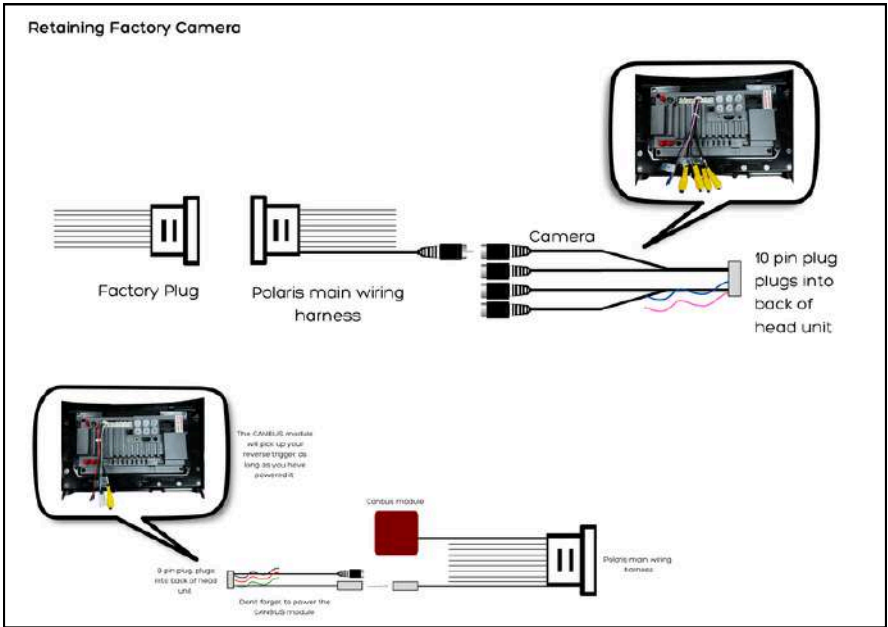
- Reverse trigger
- Steering wheel controls
- Displays vehicle information

## Speaker



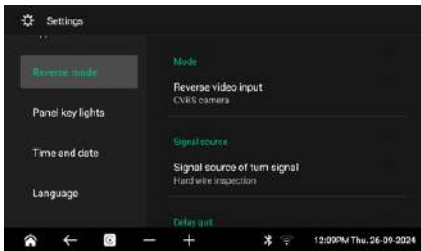
Retains Factory sensor and various other factory sounds

# Reverse Camera



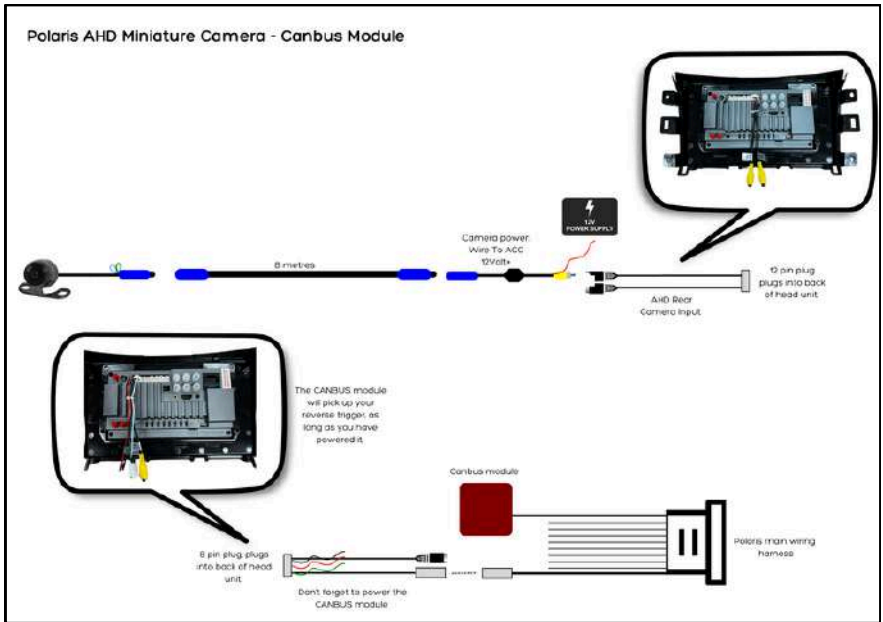
## Reverse Camera Settings

Go into Settings > Reverse mode:



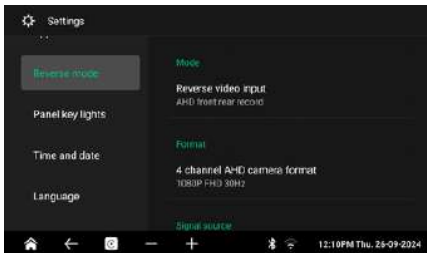
Mode:  
Reverse Video Input:  
**CVBS camera**

Format:  
N/A



## Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:

Reverse Video Input:

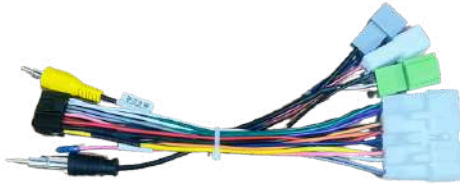
**AHD Front Rear Record**

Format:

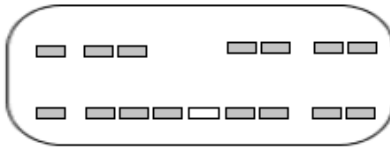
4 channel AHD camera format:

**1080P FHD 30Hz**

# ISUZU MAXX



Main power, Speakers, Steering Wheel controls etc.



Factory Camera



Reverse Trigger



# Radio Antenna Adaptor



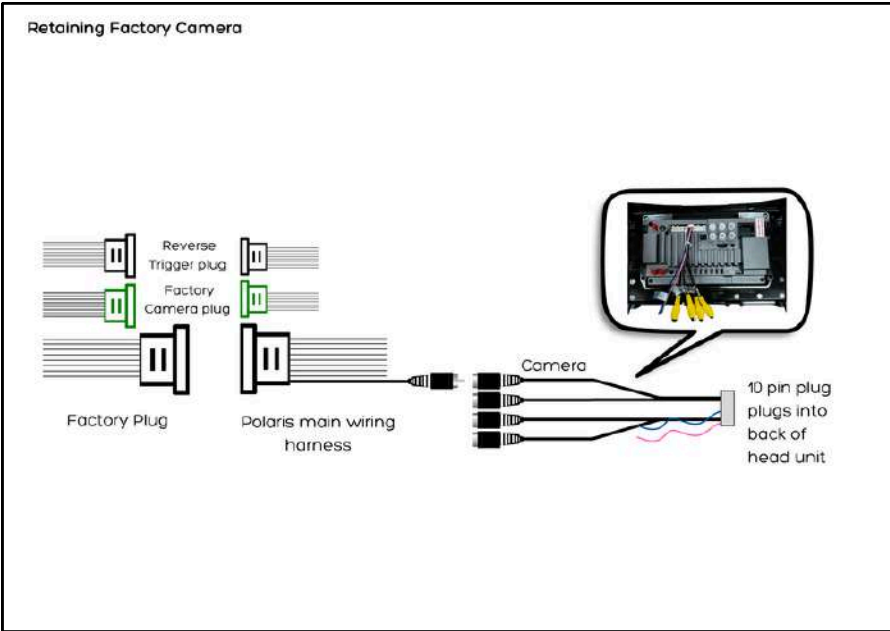
Connect the Antenna plug to the Factory Radio Antenna Plug, and insert the 1 din connector into the back of the head unit

# Individual wires



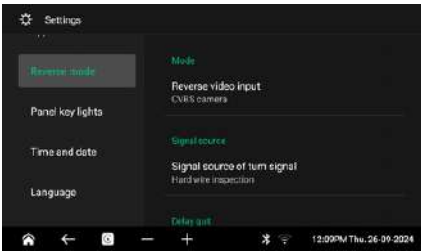
Pink: Handbrake

# Reverse Camera



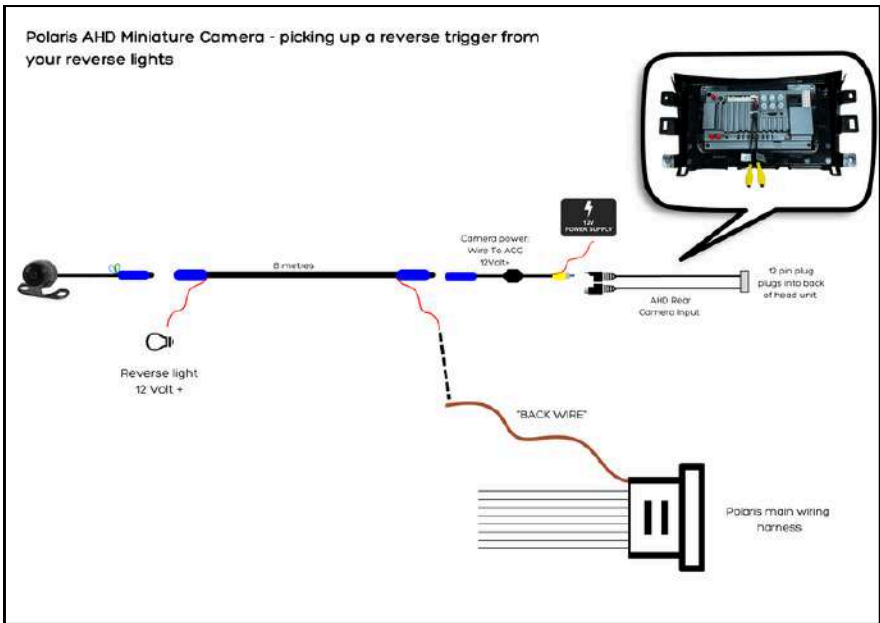
# Reverse Camera Settings

Go into Settings > Reverse mode:



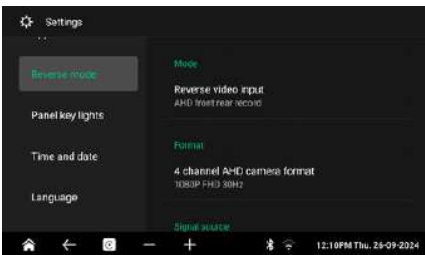
Mode:  
Reverse Video Input:  
**CVBS camera**

Format:  
N/A



# Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:  
Reverse Video Input:  
**AHD Front Rear Record**

Format:  
4 channel AHD camera format:  
**1080P FHD 30Hz**



# ISUZU MAXX NOTES

You will need to program your steering wheel controls, See [page 41](#)

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 E), 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 F)



Figure E

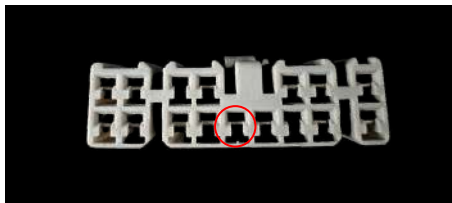


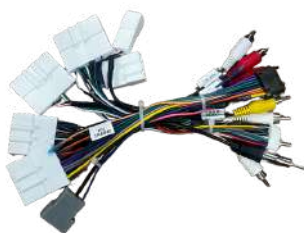
Figure F

# POLARIS NP MAXX

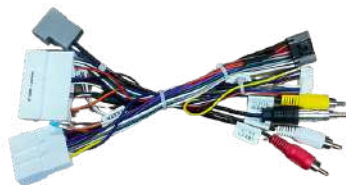
The unit will come with 2 harnesses: NISS004 & NISS005.

NISS004: 2015-2019 SL, ST, ST-X

NISS005: 2019+ SL, ST, ST-X



NISS004

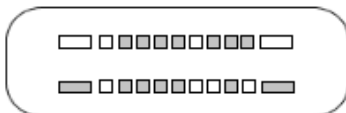


NISS005

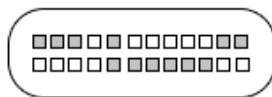
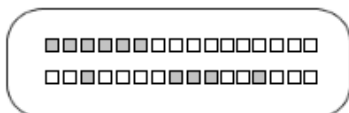


## Model: NISS004

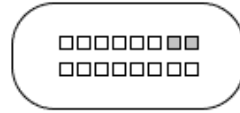
### Main Power, Speakers



### Steering Wheel Controls and Factory Camera



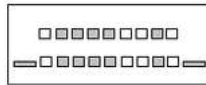
## Steering Wheel Controls ( No Factory Camera)



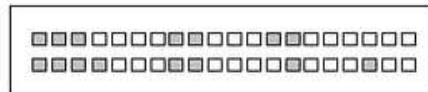
**Note:** Because this harness fits a wide variety of NP300 models you will have leftover plugs that are not used

**Model: NISS005**

## Main Power, Speakers, Reverse Trigger



## Factory Camera, Aux, Illumination

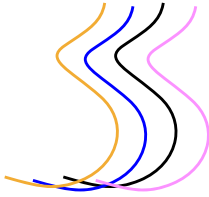


## Radio Antenna Adaptor



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



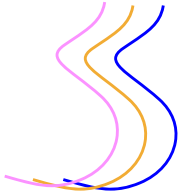
### NISS004

Orange with white: Key 2

Pink: Key 1

Black: Ground

Blue with white: Amp-Control



### NISS005

Pink: Key 1

Orange with white: Key 2

Blue with white: Amp-Control

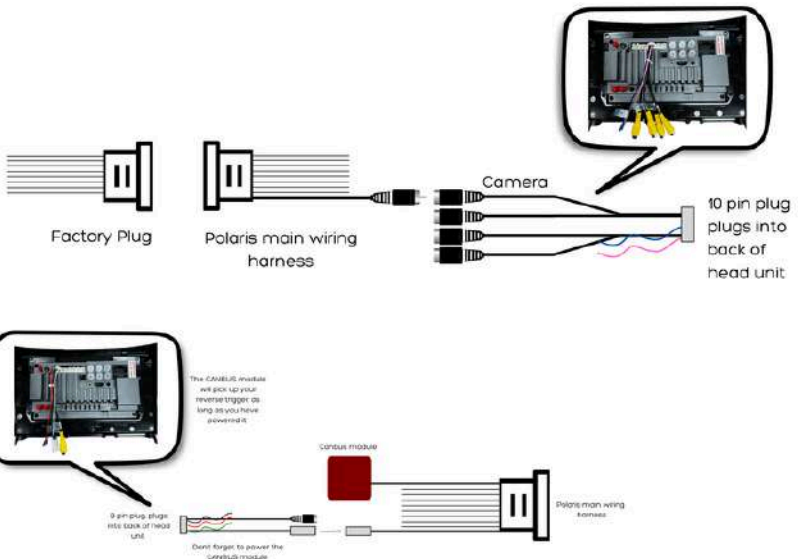
## CANBUS module



Controls different features

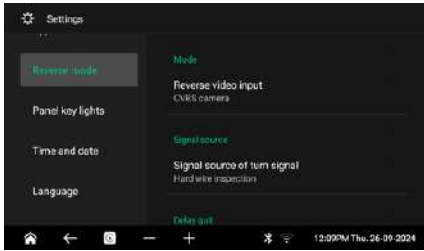
- Reverse trigger
- Steering wheel controls
- Display vehicle information

### Retaining Factory Camera



# Reverse Camera Settings

Go into Settings > Reverse mode:



Mode:  
Reverse Video Input:  
**CVBS camera**

Format:  
N/A

# POLARIS VWMAXX

The unit will come with 2 harnesses: VW001 & VW002

VW001: Amarok 2012-2016

VW002: Amarok 2017-2022



VW001

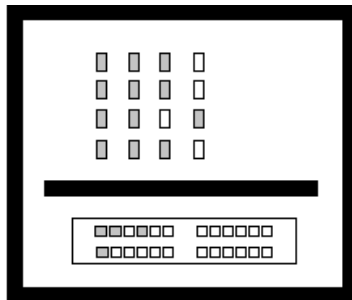


VW002



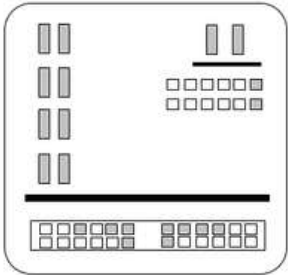
**Model: VW001**

**Main Power, Speakers, Steering Wheel controls AUX, AMP**



**Model: VW002**

**Main Power, Speakers, Steering Wheel controls AUX,  
AMP, Factory reverse camera**

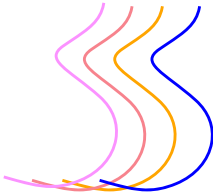


**Radio Antenna Adaptor**



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**



VW001  
Pink: Brake  
Salmon: Key 1  
Orange: Key 2  
Blue with white: Amp-Control



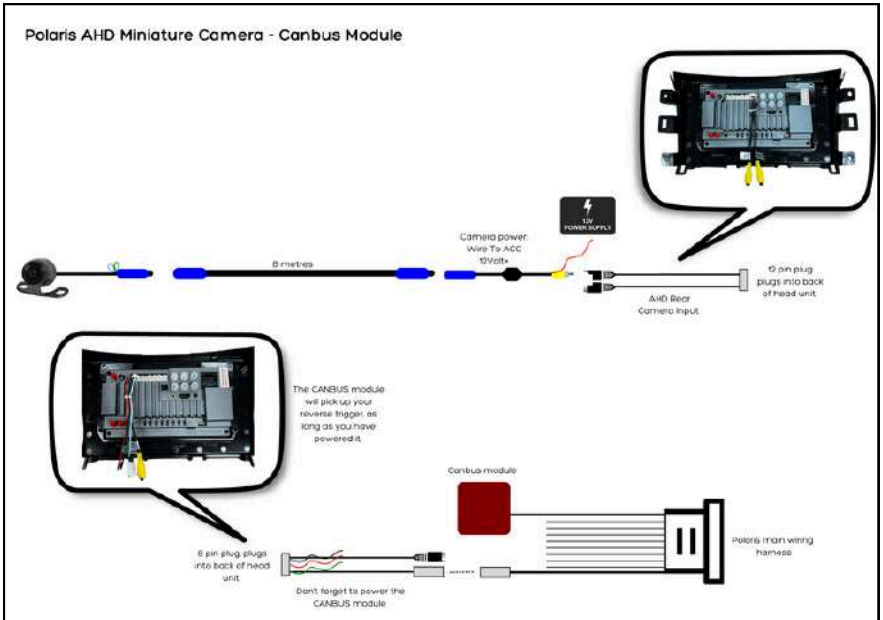
VW002  
Pink: Brake  
Salmon: Key 1  
Orange: Key 2

# CANBUS module



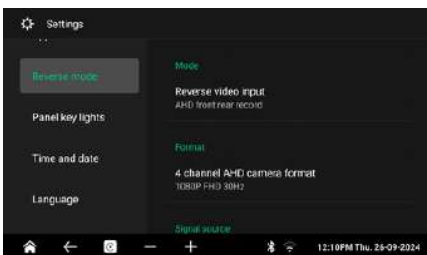
Controls different features

- Reverse trigger
- Steering wheel controls
- Display vehicle information



## Reverse Camera Settings

Go into Settings > Reverse mode:

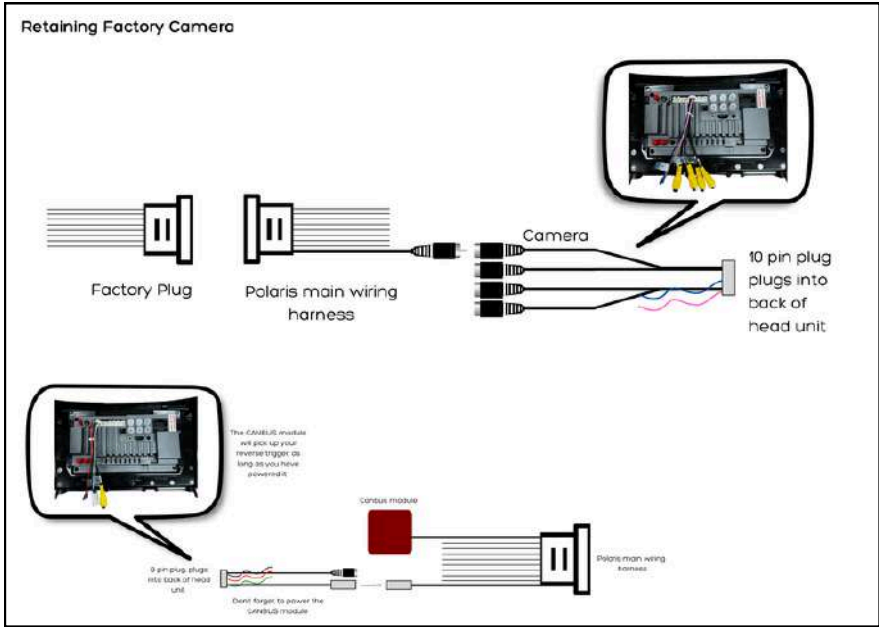


Mode:  
Reverse Video Input:  
**AHD Front Rear Record**

Format:  
4 channel AHD camera format:  
**1080P FHD 30Hz**

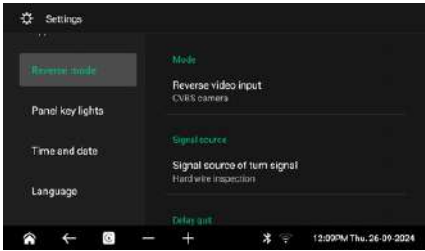


# Factory Cam retention only available on VW002 Harness



## Reverse Camera Settings

Go into Settings > Reverse mode:

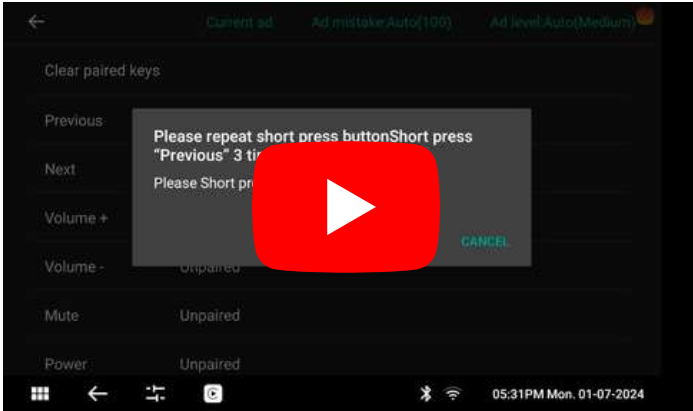


Mode:  
Reverse Video Input:  
**CVBS camera**

Format:  
N/A

# 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.



# HELPFUL VIDEOS

## 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 [page 14](#)

**The Radio Reception is poor**

For **79 series**, please see [page 25](#)

**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 give us a call and speak with one of our technicians - (02) 9638 1222

**The Reverse Camera is not working at all or is showing a distorted image**

Please see [page 13](#) to make sure that you have the camera plugged into the correct camera input and that you have set the correct camera setting