

 **POLARIS**TM
UNIVERSAL
MAXX

FOR WORK AND PLAY



Installation Manual

Please read this manual before installing this product.

Navigation & User manual: Available to
download from:

www.polarisgps.com.au

UNIVERSAL MAXX

FOR WORK AND PLAY

Thank you for purchasing the Universal Maxx.

Before installing, be sure to thoroughly read these instructions.

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

- The unit is tampered with, damaged or modified in anyway.
- If applicable Reverse camera cable is cut or modified in any way.
- If applicable Reverse camera is subjected to over voltage.
- If applicable the Navigation SD card is damaged or tampered with in any way (this includes installing foreign mapping or software onto the SD card).
- The installation of 3rd party apps that may cause harm to the unit.

Warranty Terms

The Universal Maxx is covered for 2 years and includes:

- Defective Equipment • Defective Cables

Not Covered under warranty:

- Abuse
- Improper installation
- Alteration to Cables (includes cutting of any cables)
- Accidents
- Water damage
- Improper use
- Labour
- Postage and Handling

If you have any questions concerning the installation, warranty or the operation of the unit, please contact **Polaris** on **1300 555 514**.

We hope that you enjoy the Universal Maxx.

Table of Contents

<i>Warranty Details</i>	2
<i>What's in the box?</i>	4
<i>Wiring Diagram</i>	4-5
<i>Installation notes</i>	6
<i>Reverse Camera wiring diagram</i>	7
<i>Second Camera Input</i>	7
<i>3 camera operation</i>	8
<i>Mounting the unit</i>	8
<i>Attaching the screen (IMPORTANT INFORMATION)</i>	9
<i>Steering Wheel Controls</i>	10-11
<i>Screen Dimensions</i>	12
<i>Installing 3rd party apps</i>	13
<i>Returns Procedure</i>	14

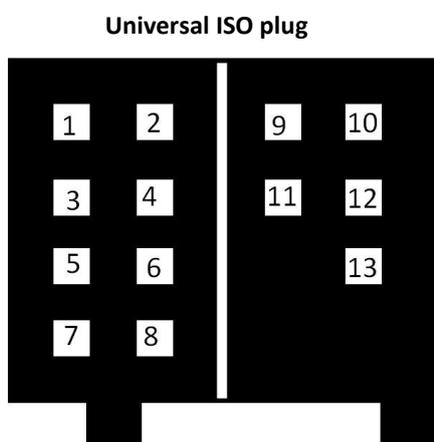
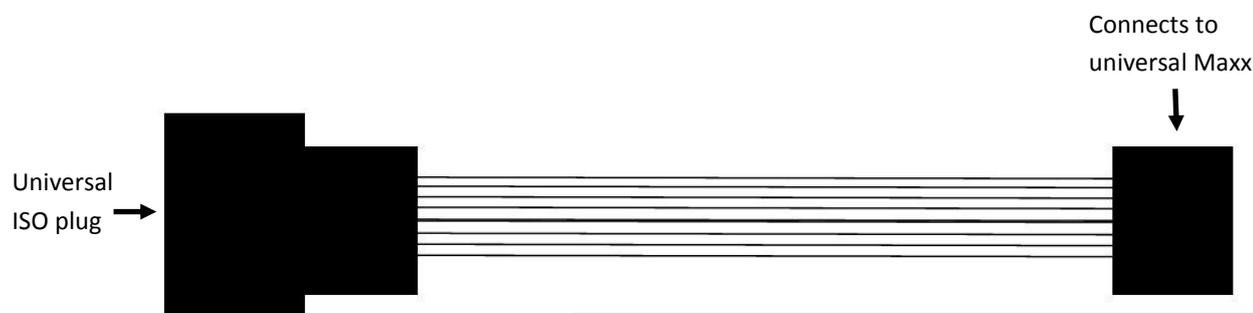
Please note: once the unit is installed you can access your user manual on the head unit or you can download a copy from our website: www.polarisgps.com.au

Record your serial number here and keep on hand for future records:

What's in the Box & Wiring Diagram

- 1) Universal Maxx Unit.
- 2) Main Power Harness (universal ISO connector)
- 3) GPS External Antenna.
- 4) External Bluetooth Microphone.
- 5) RR,RL,FR,FL Aud Out & SUB / VID out 1&2 cable.
- 6) VID in / AUX L / AUX R cable.
- 7) CAM in / Front CAM IN cable.
- 8) 2 x USB cables / Bluetooth mic input cable.
- 9) Polaris Reverse Camera with RCA adaptor.

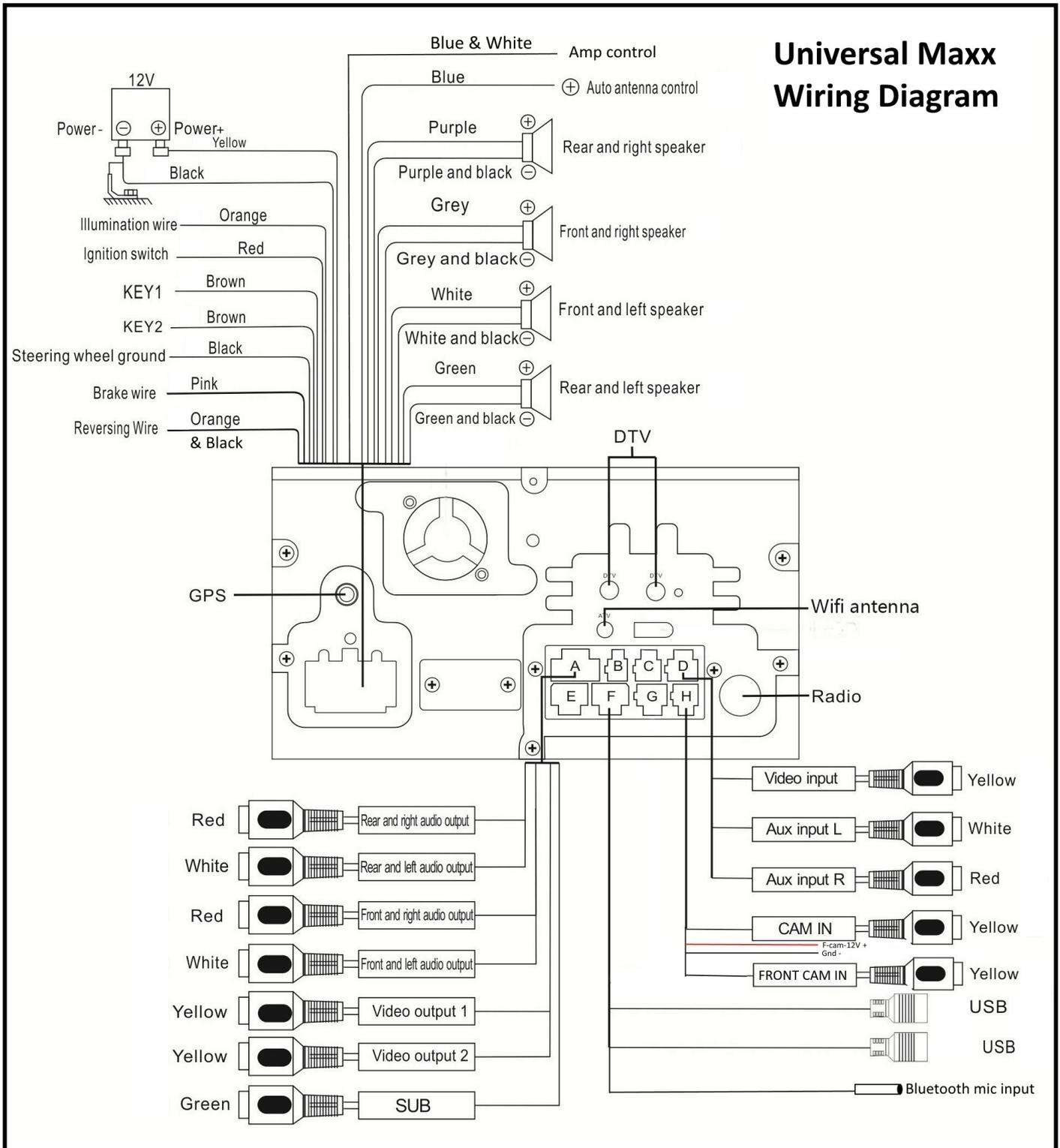
Power Harness



No.	Colour	Function
1	Green	Speaker Left Rear (+)
2	Green with black stripe	Speaker left rear (-)
3	White	Speaker left front (+)
4	White with black stripe	Speaker left front (-)
5	Grey	Speaker right front (+)
6	Grey with black stripe	Speaker right front (-)
7	Purple	Speaker right rear (+)
8	Purple with black stripe	Speaker right rear (-)
9	Red	12V to ignition (ACC power On)
10	Black	Ground (-)
11	Blue	Auto Antenna Control (+)
12	Orange	Illumination / Dimmer
13	Yellow	+12V to battery

The universal Maxx comes with a universal ISO connector. This means that you can purchase a secondary harness for certain model vehicles so that the unit becomes plug and play. We can try and source it for you or you can source it yourself. If you cannot find a secondary harness to fit, you can simply cut the ISO plug off and hardwire it into your vehicle. Please refer the wiring diagram on page 5. The Aerpro harnesses we source still need Steering wheel controls hardwired and programmed in.

Wiring Diagram

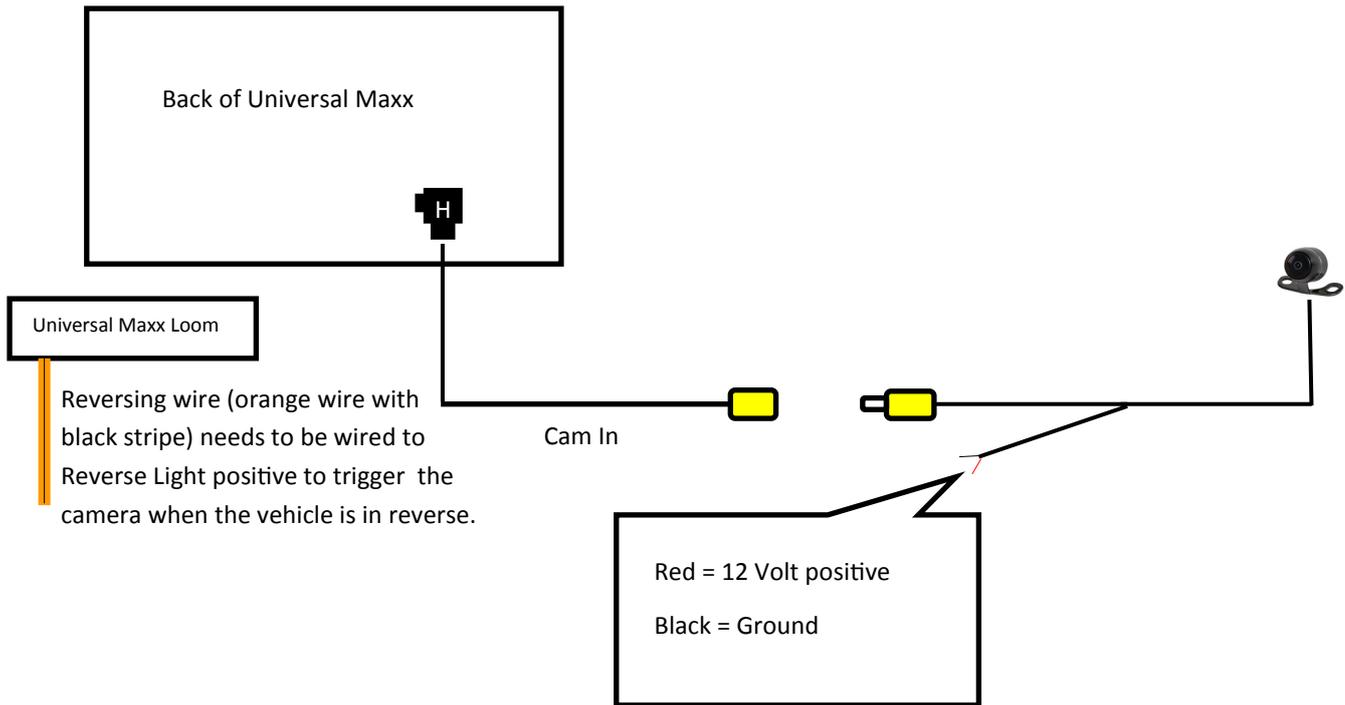


Please see installation notes on page 6.

Installation Notes

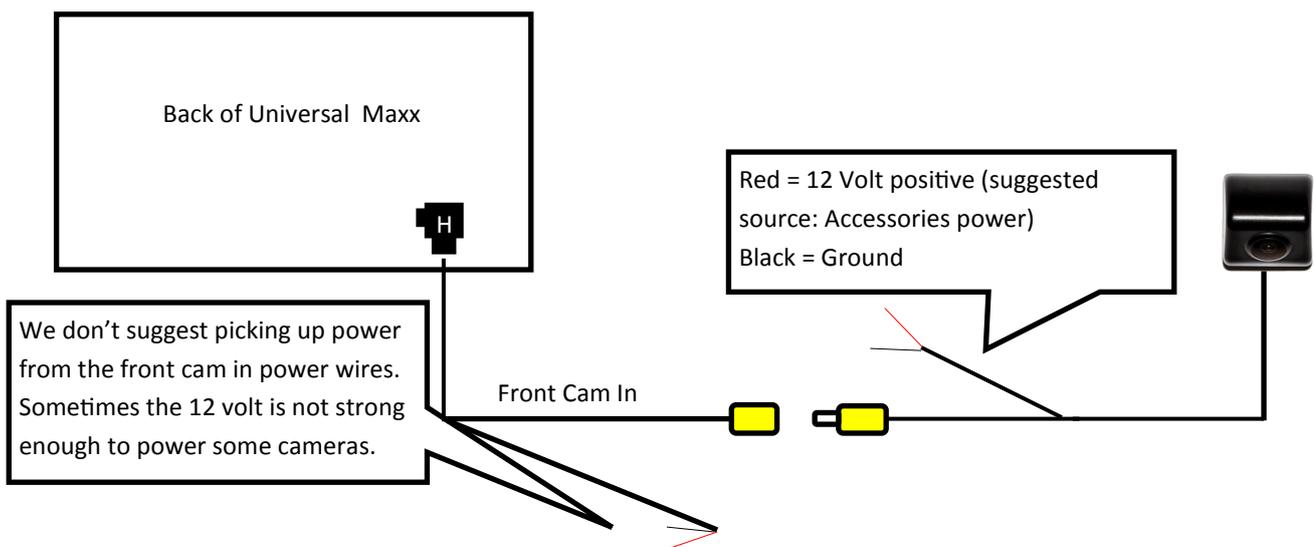
- ◆ The wiring and installation of this unit requires special technical skill and experience. If you do not feel confident installing this product or do not have the level of skill necessary, please contact Polaris on 1300 555 514 so we can refer to a recommended installer.
- ◆ Unfortunately we do not have the colour codes of every vehicle. To find the correct wires to tap into, our installers use the following items:
 - Test lamp (to find power).
 - Multimeter (to find steering wheel control wires).
 - 9 volt battery (to find the speaker wires).
- ◆ 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. If installing into a 24Volt vehicle , you will need a 10 amp converter which can be purchased through automotive electronic shops such as Jaycar electronics.
- ◆ To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.
- ◆ To avoid possibility of shorting out the electrical circuit in the unit, never connect the battery wire directly to the vehicle battery.
- ◆ Always secure all wirings with cable clamps or adhesive tape to prevent short circuit.
- ◆ 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.
- ◆ Please do NOT cut any plugs off of any Polaris cameras. Doing so will void your warranty! If you need to blend other brand cameras into our system, please call Polaris on 1300 555 514 so we can refer you to a recommended dealer who has the skill and experience in performing this type of work.
- ◆ If you want the reverse camera to trigger when reverse gear is engaged, you will need to find reverse power. Once you have found reverse power, connect the reversing wire (tagged as reverse-in) to it.
- ◆ Some vehicles will require extra parts such as:
 - Fascia's to make the double din chassis fit nice and neatly.
 - CAN bus modules to retain steering wheel controls or other original features of the car.
 - modules to retain a factory amp.
- ◆ Holden vehicles with MyLink will require a special CAN bus module.
- ◆ Most European vehicles will require a CAN bus module to retain steering wheel controls.
- ◆ If there is something you are not 100% sure about when installing this unit, please give our experienced technicians a call on 1300 555 514.

Reverse Camera wiring



2 cam operation (e.g., car and caravan setup or front camera)

Even though the actual input is labelled as front camera, you can still use this input for a second reverse camera. The actual head unit has an icon on the screen labelled CAM and this can toggle between the 2 cameras installed (regardless if it's a front camera or a second rear vision camera). If you want 3 cameras then we suggest purchasing a 2 way control box, see page 8)



Toggleing between the 2 cameras without a Control Box

When you engage reverse the unit will always default to your tow vehicle reverse camera, to toggle to your second rear camera while the vehicle is in reverse press the  button on your head unit.

To view any of the cameras whilst driving, select the Cam icon. It will default to the second camera automatically and if you wish to view your tow vehicle reverse camera, press the  on the touch screen.

3 camera operation (Example: Car and caravan setup with a front camera).

Front Camera

Use the front camera input to plug your front camera in (see page 7)

Control Box Setup:

Use the control box setup to plug an additional 2 cameras into the head unit when the front camera input is already being used

Figure 1

Connect to CAM IN on the back of
Universal Maxx

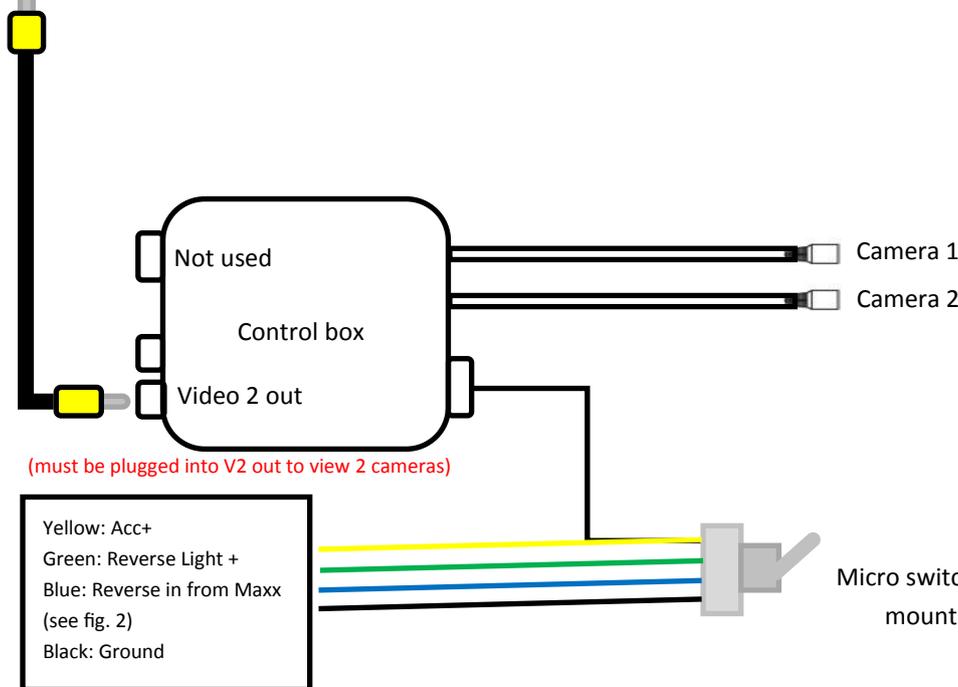
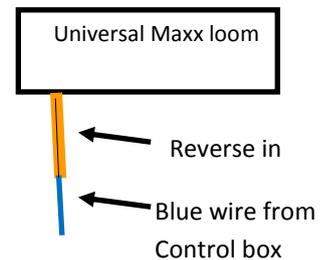


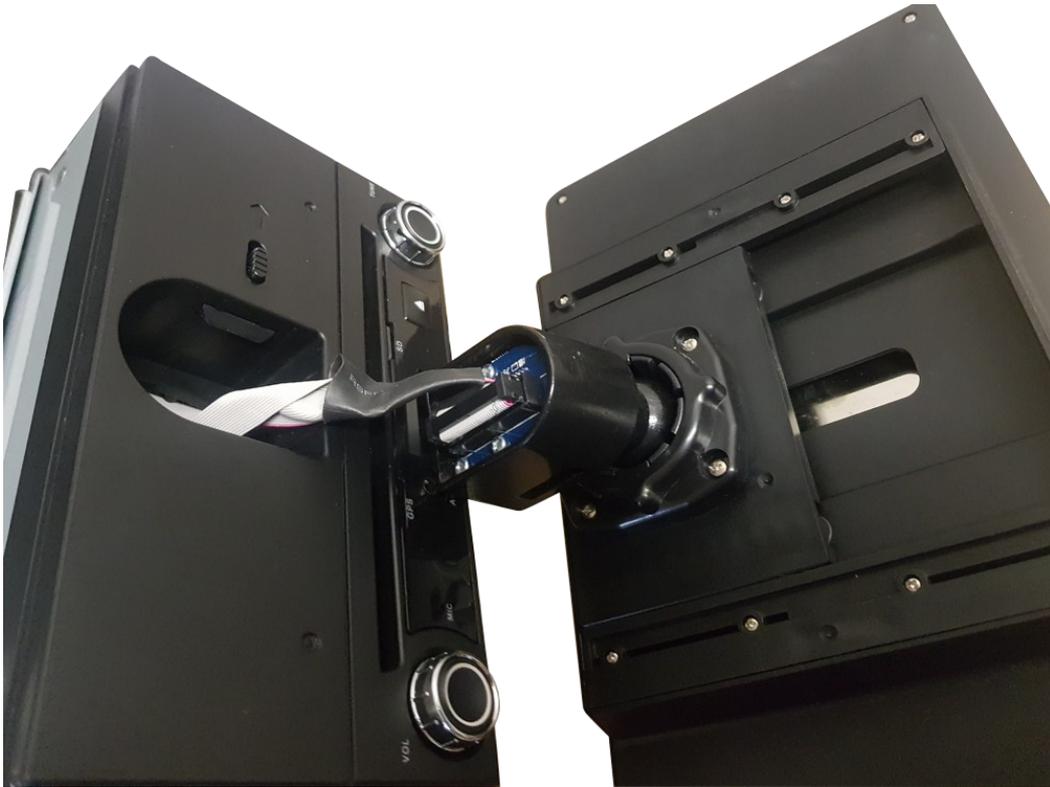
Figure 2



Mounting the unit

- ◆ The screen is detachable, so it is best to mount the double DIN chassis in the vehicle before attaching the screen.
- ◆ The double DIN chassis will attach to most vehicle's OEM brackets.
- ◆ Before putting your dash back together it is best to attach the screen and test all functions.
- ◆ Some vehicles will require a fascia to fill the gap around the double din chassis.

Attaching the screen:



- 1) Plug the cable in from the double din chassis into the back of the screen mount (make sure it is plugged in correctly by lining up the locating pin).
- 2) Hold the screen and push the mount into the opening located on the double din chassis.
- 3) The mount should click in place. If you do not hear a click, then it has not attached correctly.

Warning: Once installed, please avoid constant detaching and attaching of the screen. Constantly detaching and attaching may reduce the life of the Universal Maxx.

TOUCH SCREEN NOT RESPONSIVE: Once you have attached the screen and powered the unit up, if you find that the touch screen is non responsive, this means that the screen has not been attached properly. To rectify this issue you need to remove constant power before reattaching the screen again. The easiest way to do this is to remove positive from your car battery > reattach the screen > reattach positive on your car battery.

If you are not comfortable doing this, then simply disconnect the main harness from the back of the Universal Maxx > reattach the screen > and plug back main harness back in

Steering Wheel Controls

Installation

Steering wheel controls should work for all non CAN bus vehicles provided that Key 1, Key 2 and steering wheel ground have been hardwired in properly according to your specific vehicle.

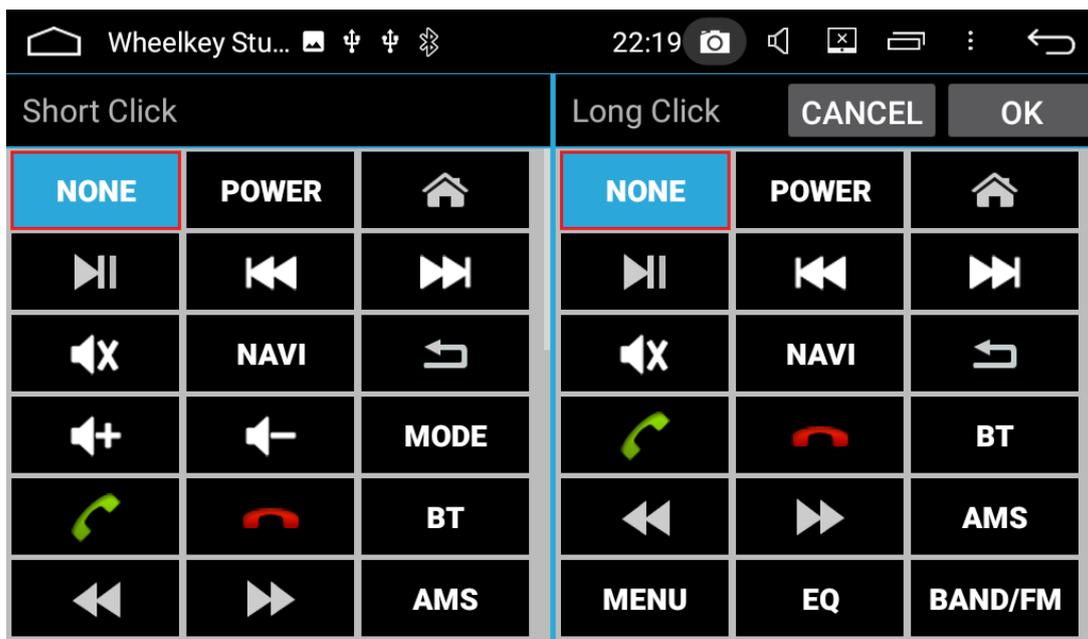
Some CAN bus vehicles will work with a specific module, please call Polaris to see if we have a solution for your vehicle.

Programming in your steering wheel controls

Select Wheel Key study from the main menu



Select and press one of your steering wheel controls.



You can select a different function for short click and long click.

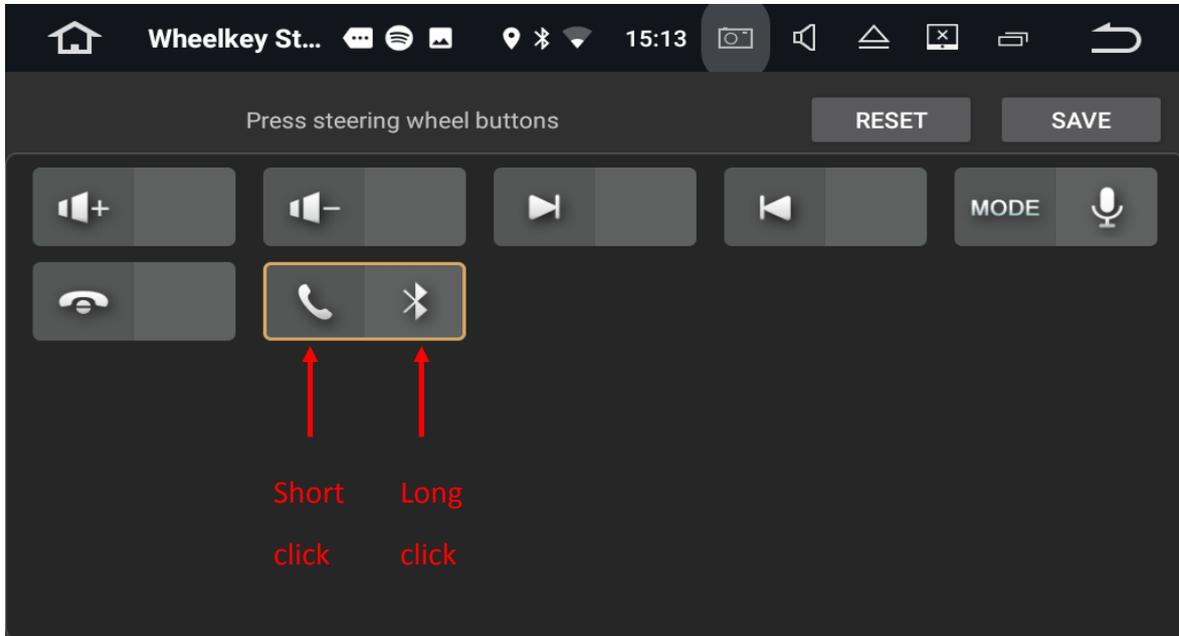
For example, if I have selected my mode button, I can select the mode function as my short click and then I can choose the 'ok google' function for my long click. When I hold down my mode button, 'ok google' will appear.

Once you have your desired settings, press ok in the top right hand corner. You will then be taken back to the SWC Home screen. Select the next steering wheel control that you wish to programme in and follow the same procedure.

Keep repeating the same procedure to programme each individual SWC setting.

Steering Wheel Controls

Once you have programmed all your steering wheel controls in, your screen should look similar to the one below:

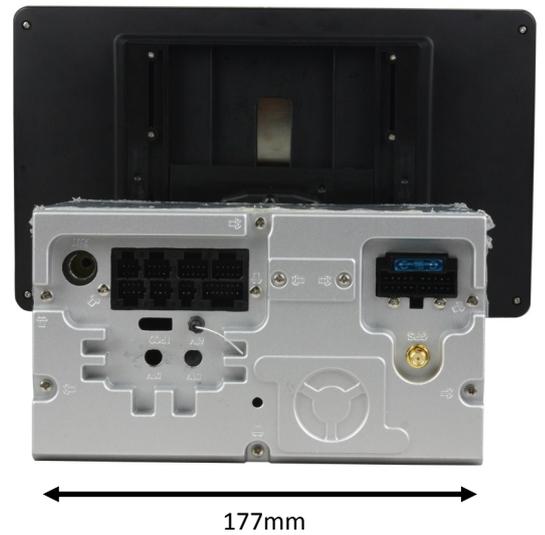
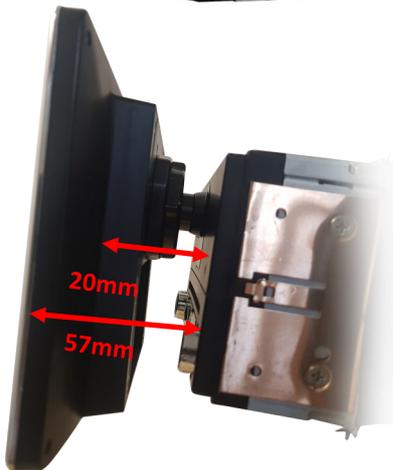
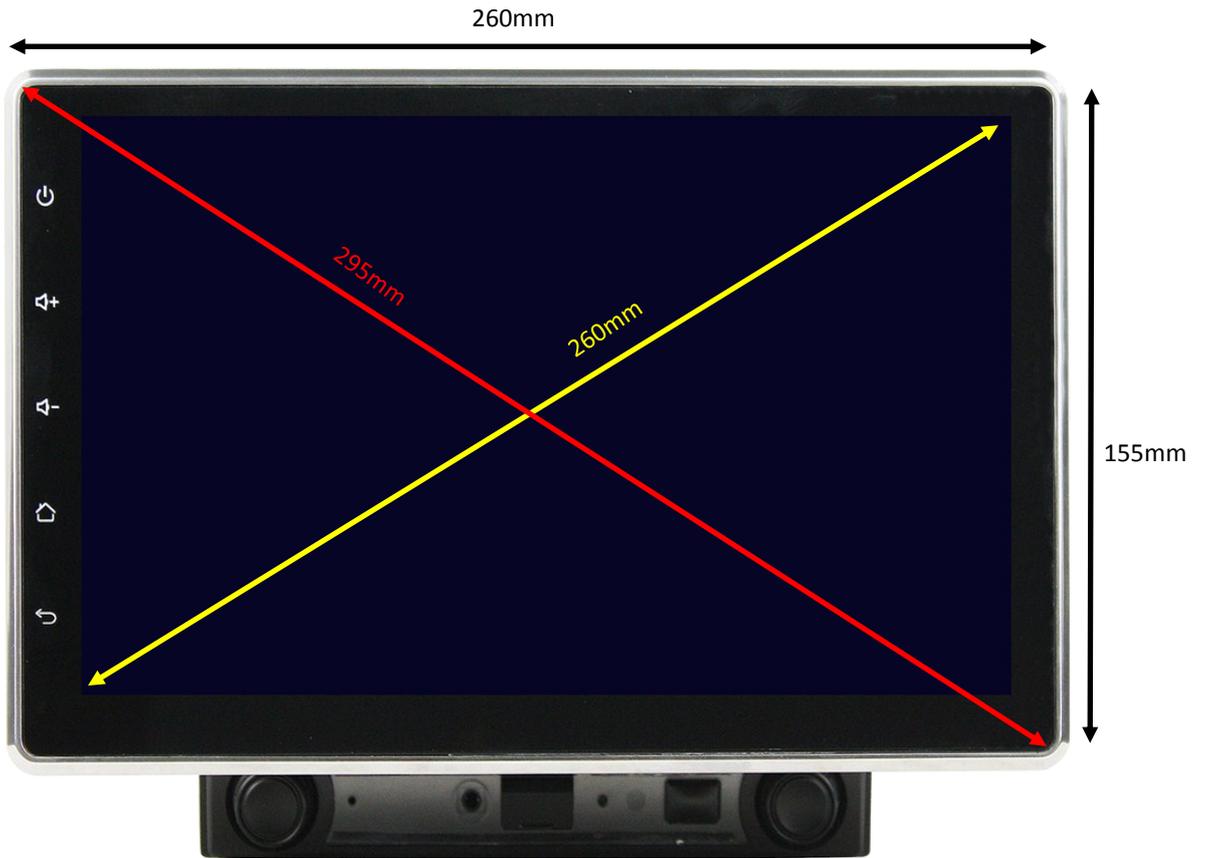


If you have made a mistake or you wish to change the functions you can press **reset** and start the process again.

Steering Wheel Control functions

Power/ standby	Answer call	Settings
Home /main menu	Hang up call	AV in
Back to previous screen	Brightness control	Equaliser
Widgets	Ok Google	APS Radio: Scans through pre-sets
Volume Up	Stop (music / movies files)	AMS Radio: Scans
Volume Down	Skip previous	Play / Pause (music / movie files)
MODE Mode	Skip forward	BAND Radio: Change bands
Navigation	Rewind	SEEKUP Radio: Seek up
Radio	Fast Forward	SEEKDOWN Radio: Seek Down
Mute	LOUD Toggle loud on/off	
Bluetooth	SEL Sound & Equaliser	

Dimensions



Installing third party apps

- ◆ Polaris accept no responsibility for third party apps installed on the device.
- ◆ Please be aware that the more apps you install on the device, the slower the unit will perform.
- ◆ If you are having trouble with a third party app, we will do our best to try and help you but unfortunately it is out of our control if a third party app is causing issues with the unit or the app itself is malfunctioning.
- ◆ Not all third party apps are going to be compatible with this device.
- ◆ Not all third party apps will work in split screen function.
- ◆ Please ensure that you download third party apps from a reputable source as it possible to corrupt the unit by installing malicious software.

Please note: once the unit is installed you can access your user manual on the head unit or you can download a copy from our website: www.polarisgps.com.au.



Thank you for purchasing a Polaris product.

If you have any enquires or queries, please call Polaris on 1300 555 514.

Returns Procedure

The warranty on this unit is 2 years from the date of purchase.

If you are having problems with this unit, see user manual for troubleshooting tips. If you have had no success then please follow these steps:

- 1) Please contact us on 1300 555 514 or email technical@poron.com.au as there may be a quick solution by changing some settings or running a software update.
- 2) If our technician has exhausted all options and determines that the unit needs to be sent back for assessment please visit www.polarisgps.com.au > warranty & returns > returns form. Please print and fill out the return form and include a copy with the goods. For a speedy return process please try and be as detailed as possible when describing the fault.
- 3) Package the item up and send back to:
TO: Polaris
ATTN: Returns
2/12a Distribution Place, Seven Hills, NSW, 2147
We suggest registering the parcel so that you have a tracking number in case the item gets lost in the post.

Polaris

2/12a Distribution Place, Seven Hills, NSW, 2147

Phone: 1300 555 514

www.polarisgps.com.au