

POLARIS MAXX

TO SUIT TOYOTA HILUX



User manual

POLARIS MAXX

TO SUIT TOYOTA HILUX

Thank you for purchasing the Polaris Maxx.
Before operation, be sure to thoroughly read these instructions.

Warranty for this product is 3 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 Polaris Maxx is covered for 3 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 Polaris Maxx.

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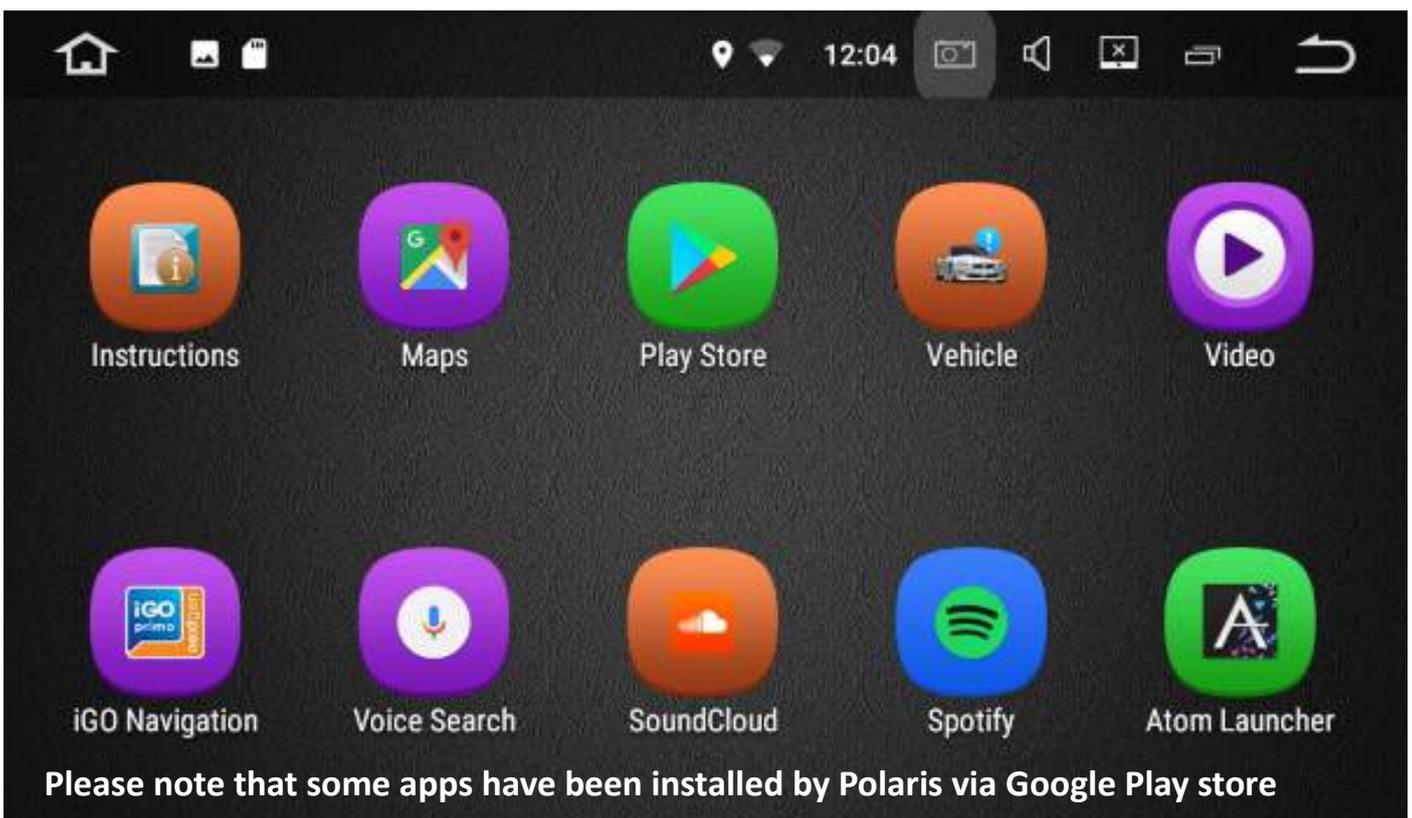
Getting Started

The unit will take approx. 15-20 seconds on the initial start-up, after this the unit will load instantaneously unless reset.

Once the unit has loaded it will appear with the main menu interface:



Swipe left to access more features:



Please note that some apps have been installed by Polaris via Google Play store

You can change the order of the icons or move desired icons to the main interface by holding down the applicable icon and dragging to the desired position.

Connecting to WiFi

There are a few different ways in which you can connect to Wi-Fi:

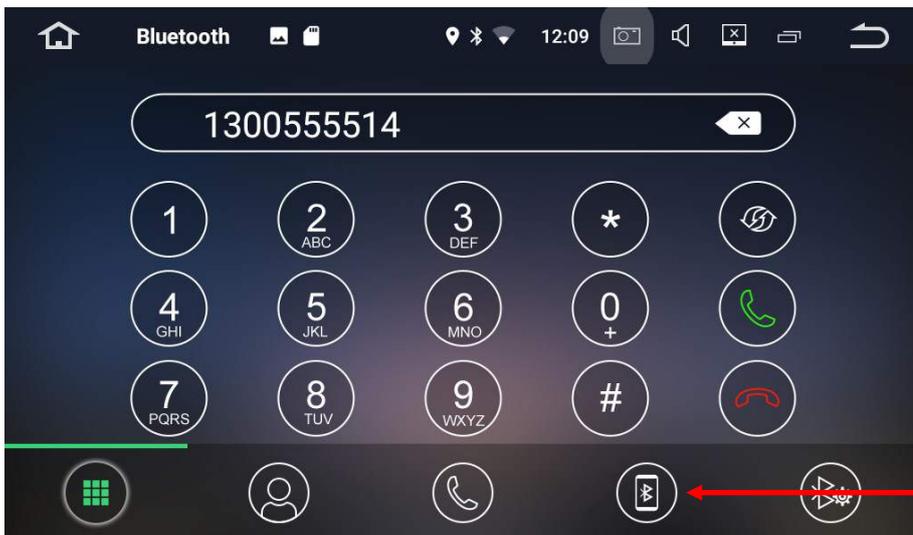
1: Drag the toolbar that is located at the top of the screen down > Hold down the Wi-Fi symbol until the Wi-Fi settings appear. Touch the Wi-Fi that you wish to connect to and follow the prompts.

2. The other way in which you can connect to Wi-Fi is to select the settings icon > select WiFi > Touch the Wi-Fi that you wish to connect to and follow the prompts.

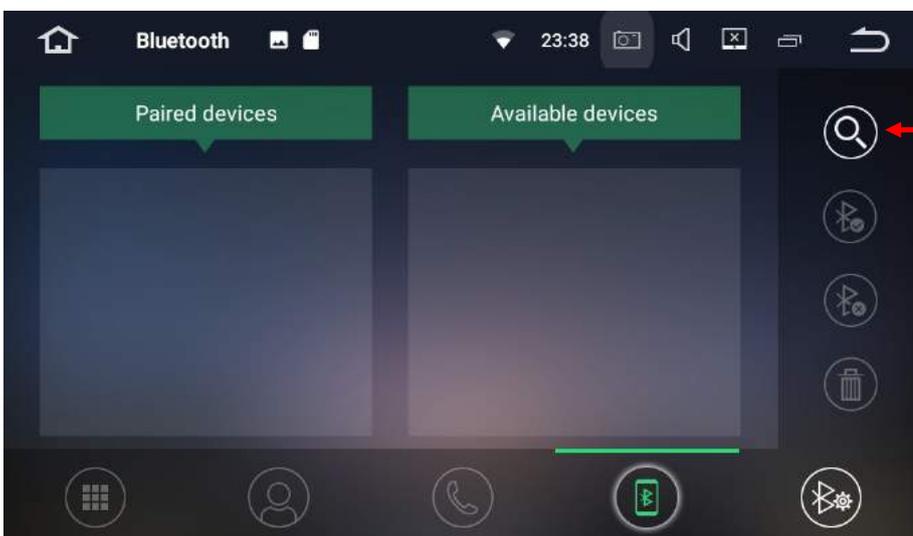
Please Note: If you are connecting to WiFi via your personal hotspot, you will be using your phones data.

Connecting Bluetooth

Select Bluetooth from the main menu

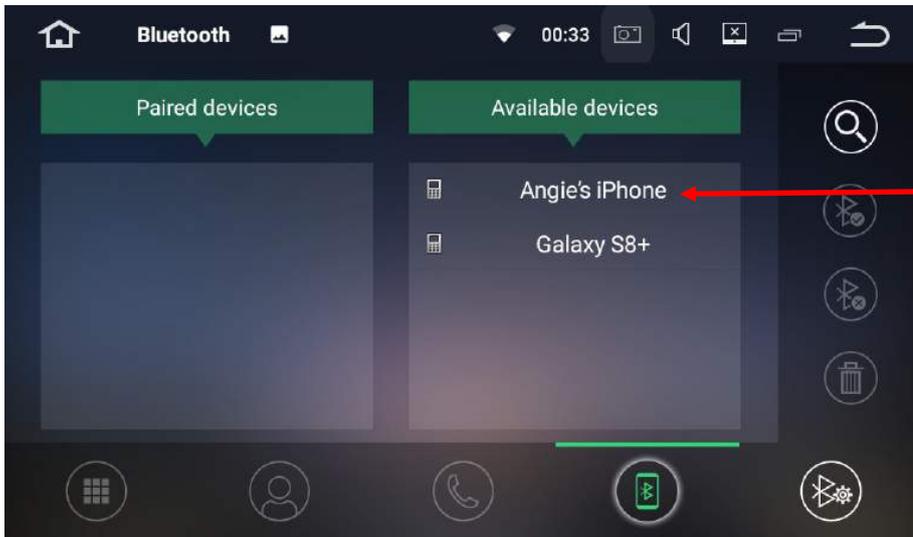


Select the phone icon

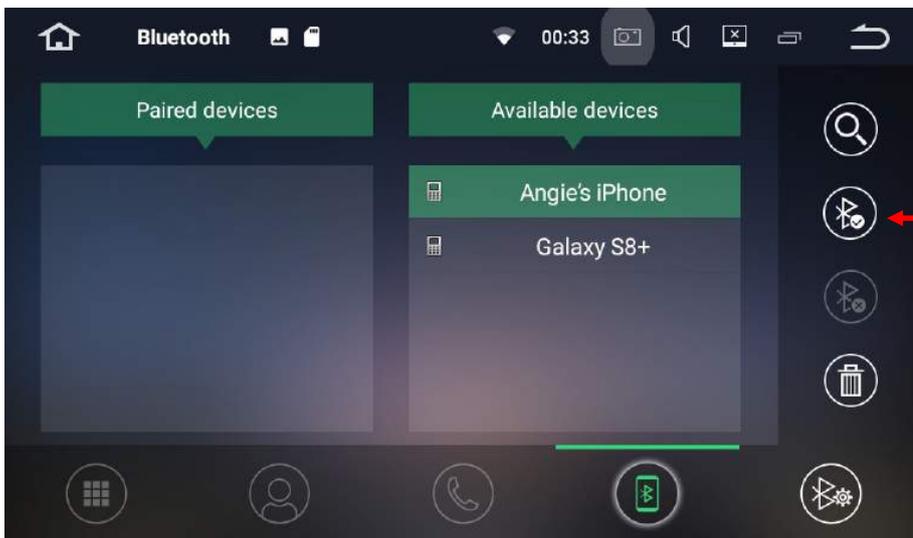


Select the scan icon to scan for Bluetooth devices

Bluetooth can be temperamental at times. If the Polaris Maxx does not find your device, turn your Bluetooth off and back on through your Bluetooth enabled device and scan again.



Select your device



Once your device is selected touch the pair icon

Follow any prompts on your phone and once the device has paired successfully, it will move over to the paired devices column.

You can also connect your Bluetooth device by following the normal procedure through your device. This usually involves going into your devices > bluetooth settings and scanning for other Bluetooth devices.

The Polaris Maxx's Bluetooth ID is **Polaris Maxx** > Select **Polaris Maxx** on your device > when your device asks you for a passcode, please enter **0000**.

For a more in depth look at the Bluetooth settings, please see page 12-19

Setting Up Radio Pre-sets

Select Radio from the main menu 

You can store up to 18 FM pre-sets and 12 AM pre-sets

To automatically scan, select the magnifying glass icon



The unit will run through a complete scan and will automatically set your pre-set stations to the radio frequencies with the strongest signal within your area.

Select a pre-set down the bottom of the screen and hold down until it changes to your desired station.



To manually scan for radio stations press the arrow buttons:



When you have found the station you desire, press the arrow key to stop the search.

If you need to change the frequency one by one, hold one of the arrow keys down. You will now find that when you press the arrow keys, it is easier to get to the station that you want to set as a pre-set station.

Once you have reached your desired station select a pre-set down the bottom of the screen and hold down until it changes to your desired station.

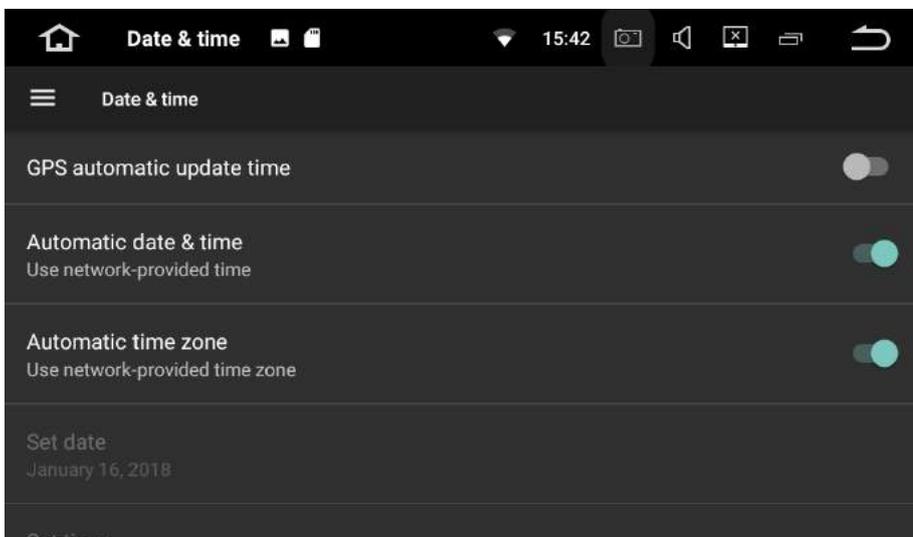
For a more in depth view at the Radio features, please see page 20-21

Date & Time

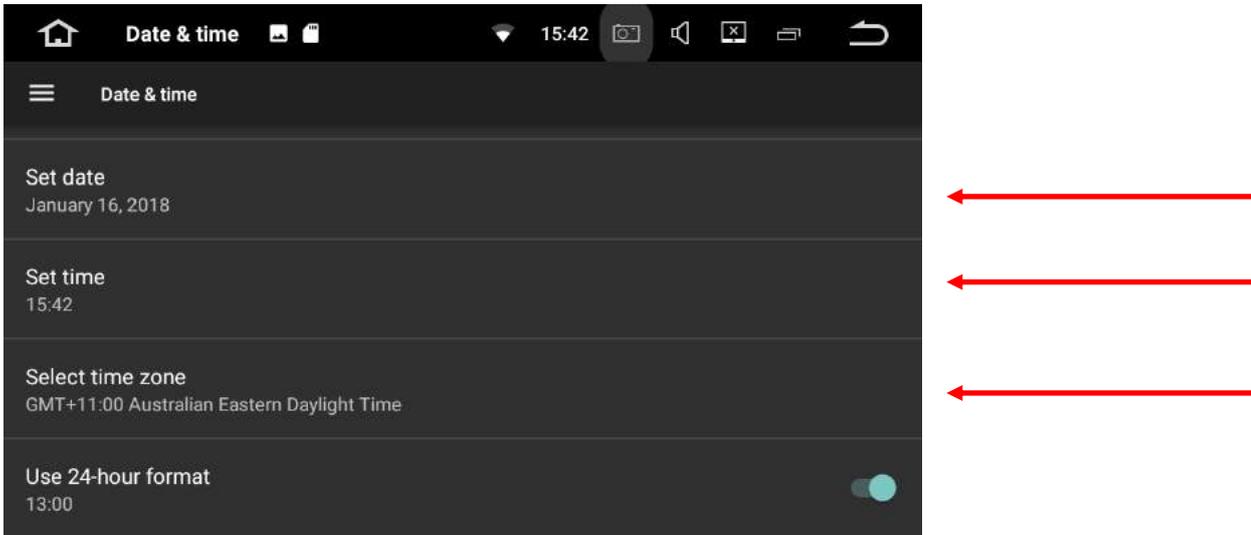
Select settings from the main menu.

Scroll down until you find Date & Time under located under system settings.

If you are planning on always being connected to WiFi via your mobile phone then you can simply set the date and time to Automatic Date & Time and Automatic Time Zone



If you are not planning on being connected to WiFi all the time then you can manually set the date, time and time zone:



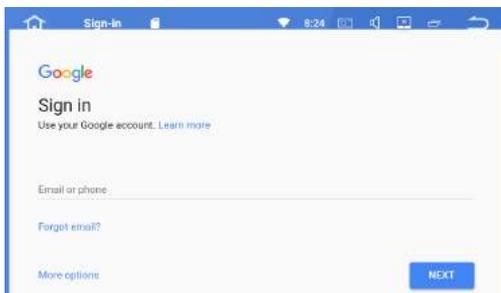
Google Play Store

To start downloading your own apps you will need to sign into Google play store. To do this you need to have a Google account. If you already have a gmail account then this is all you will need in order to sign into the play store.

If you do not have a google account, you can sign up online which is completely free. Head over to www.gmail.com > click on more options > create account .

Follow all the necessary prompts to create your free google account.

Once you have set up your account, select play store from the main menu > follow the prompts to sign in.



Once you are signed in, you are free to start downloading 3rd party apps such as navigation or Spotify.

Please note that the more apps you add onto the system will result in a slower response time from the Polaris Maxx

WARNING: Polaris take no responsibility for 3rd party apps installed onto the device.

Easy Connection

Easy connection allows you to connect an android phone via USB for two way control or you can mirror your android or Apple phone via WiFi.

To setup, open Easy Connection from the main menu

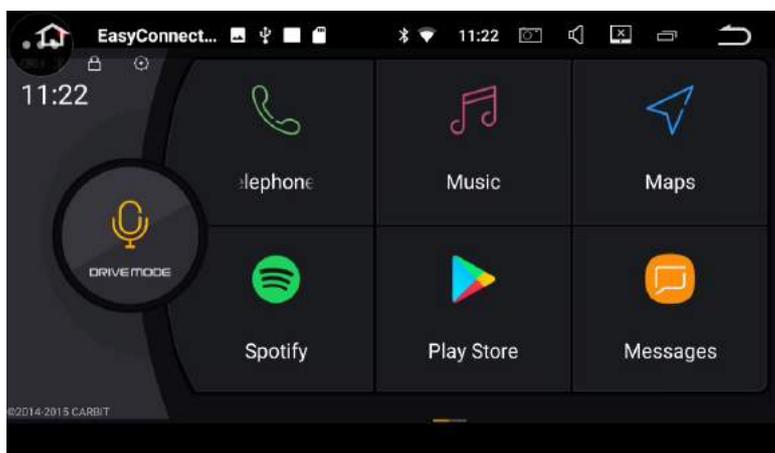


Android USB

Connect your phone with your **original phone cable** to one of the USB inputs on the Polaris Maxx and Select Android USB. A message should pop up on your android device to allow for debugging > select yes. If debugging was successful, Android drive mode will automatically load up on the unit .

Note: If you are having trouble connecting your android phone, make sure that debugging is enabled. You can usually find debugging in developer options. A quick google search of your make and model should help with finding this feature on your phone.

Android Drive Mode (This feature only works with android enabled devices)

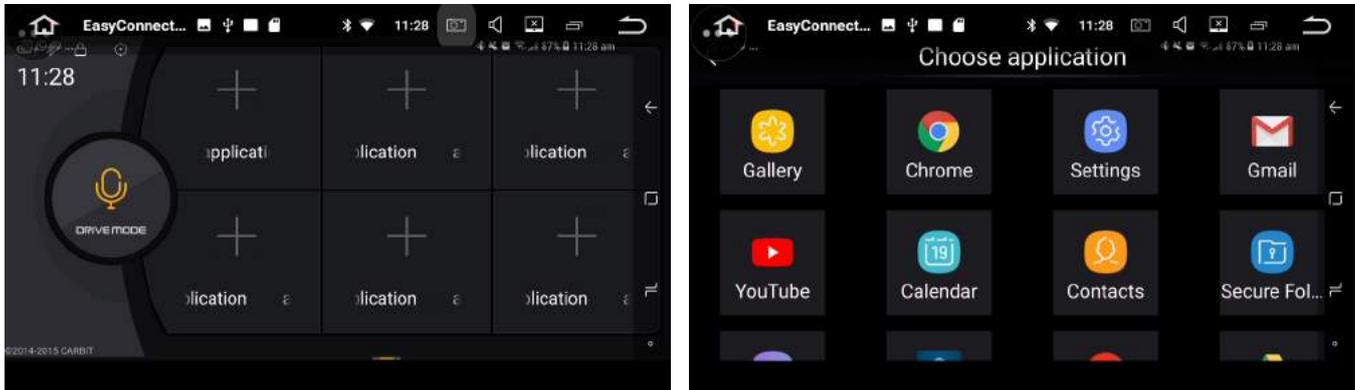


Touching this icon  will bring up the following settings:

-  Settings
-  Will go to drive mode home screen
-  Settings/Quit/About
-  Exit
-  Back

Android Drive mode will allow you to access certain features on your phone such as messages, contacts and calls without having to touch your phone. You can add certain apps to drive mode as well such as Google maps, Spotify etc.

Android drive mode will also allow you to mirror your phone.



Note: Android Drive mode version may differ depending on the easy connect version that is installed on your phone.

Android Wifi

When connecting via WiFi, the Polaris Maxx and your android phone must be connected to the same network. If you are on the road, you will need to connect the Polaris Maxx up to your personal hotspot.

When setting up for the first time, you will need to plug your phone in via USB. Please make sure Android debugging is enabled (normally found in developer options). Once debugging is done the unit should connect via Wifi and you can now unplug your phone.

Note: Connecting via cable is recommended as the response time is much faster

iPhone Wifi

iPhone WiFi will allow you to mirror your iPhone. It does not allow for 2 way control, it will simply mirror whatever is on your iPhone screen.

When connecting via WiFi, the Polaris Maxx and your iPhone must be connected to the same network. If you are on the road, you will need to connect the Polaris Maxx up to your personal hotspot.

Select iPhone Wifi from the easy connection menu.

On your iPhone open Airplay or screen mirroring and select **EC-Mirror-CJ**.

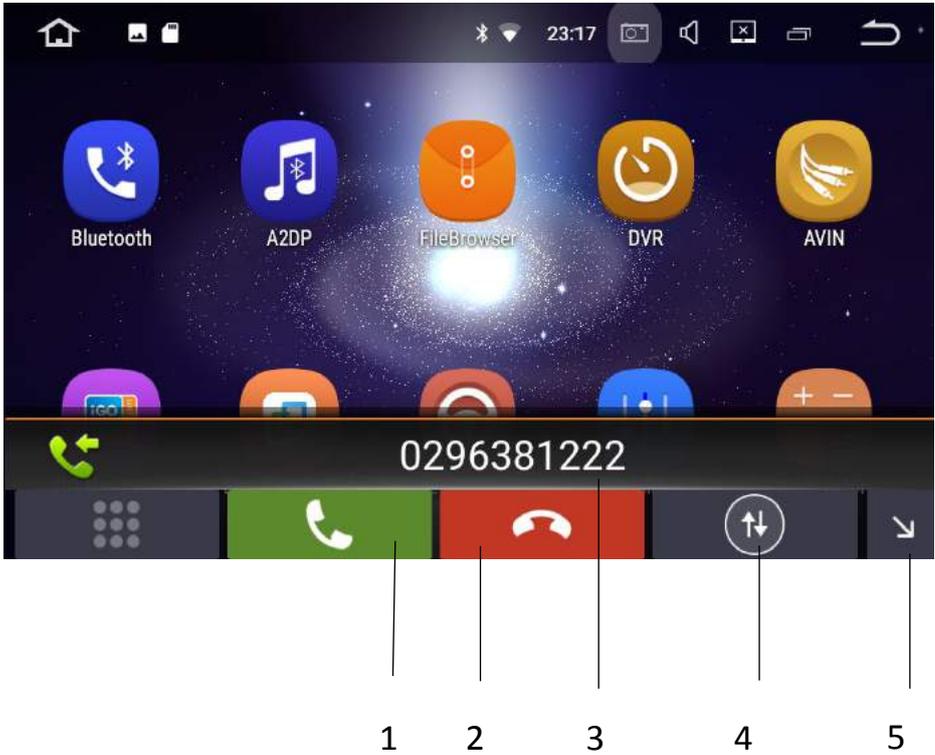
Please Note: When connecting via WiFi please be aware that the response time will depend on how strong your signal is. If the connection is weak the response time will be slow.

Bluetooth features

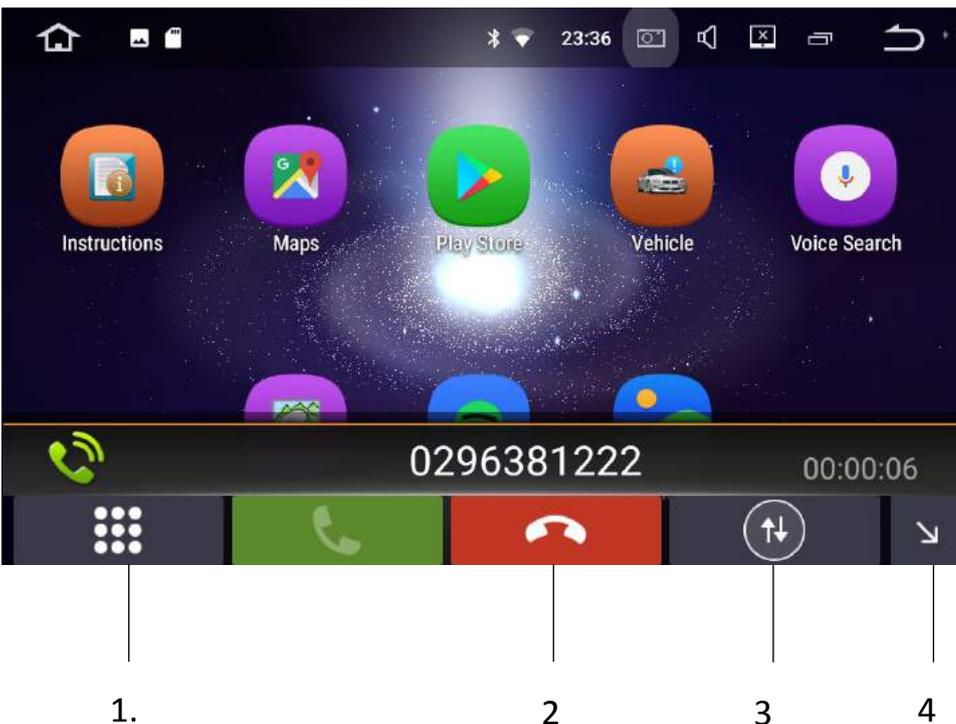
Please see page 5 & 6 On how to pair up your Bluetooth enabled device

Once you are connected to Bluetooth, you can receive calls regardless of what feature you are using.

Receiving a Call



Call in progress



Notes: Minimising the bluetooth call will allow you to access other features on the Polaris Maxx

Making a Call

To make a call, select Bluetooth from the main menu

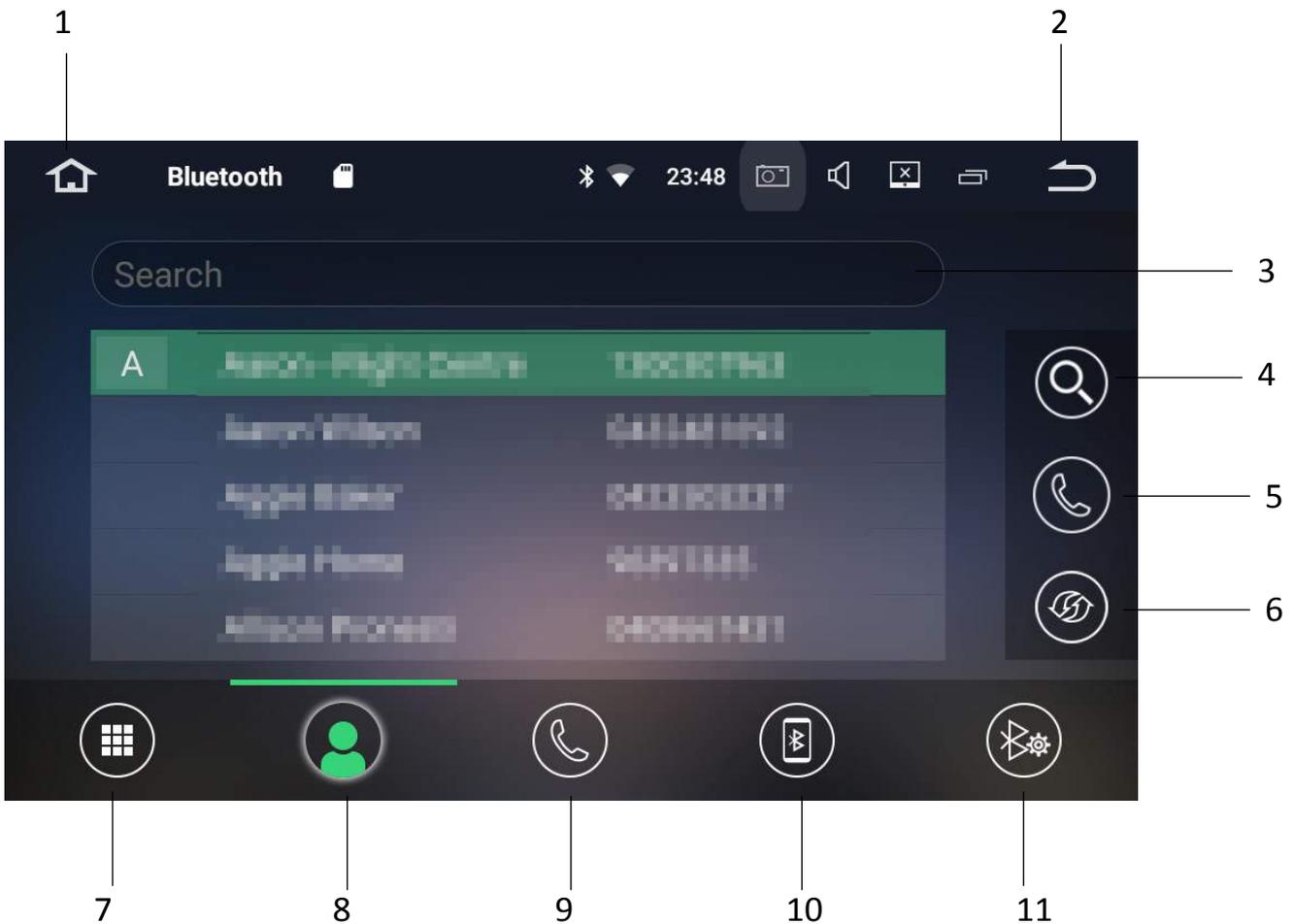


Keypad



- | | |
|--|---------------------------------|
| 1. Takes you back to the home screen | 6. Hang Up |
| 2. Keypad to dial numbers | 7. Keypad |
| 3. Back to previous screen | 8. Contacts |
| 4. Switch sound between handset and unit | 9. Dialed/Received/Missed calls |
| 5. Call | 10. Paired/Available devices |
| | 11. Bluetooth settings |

Contacts

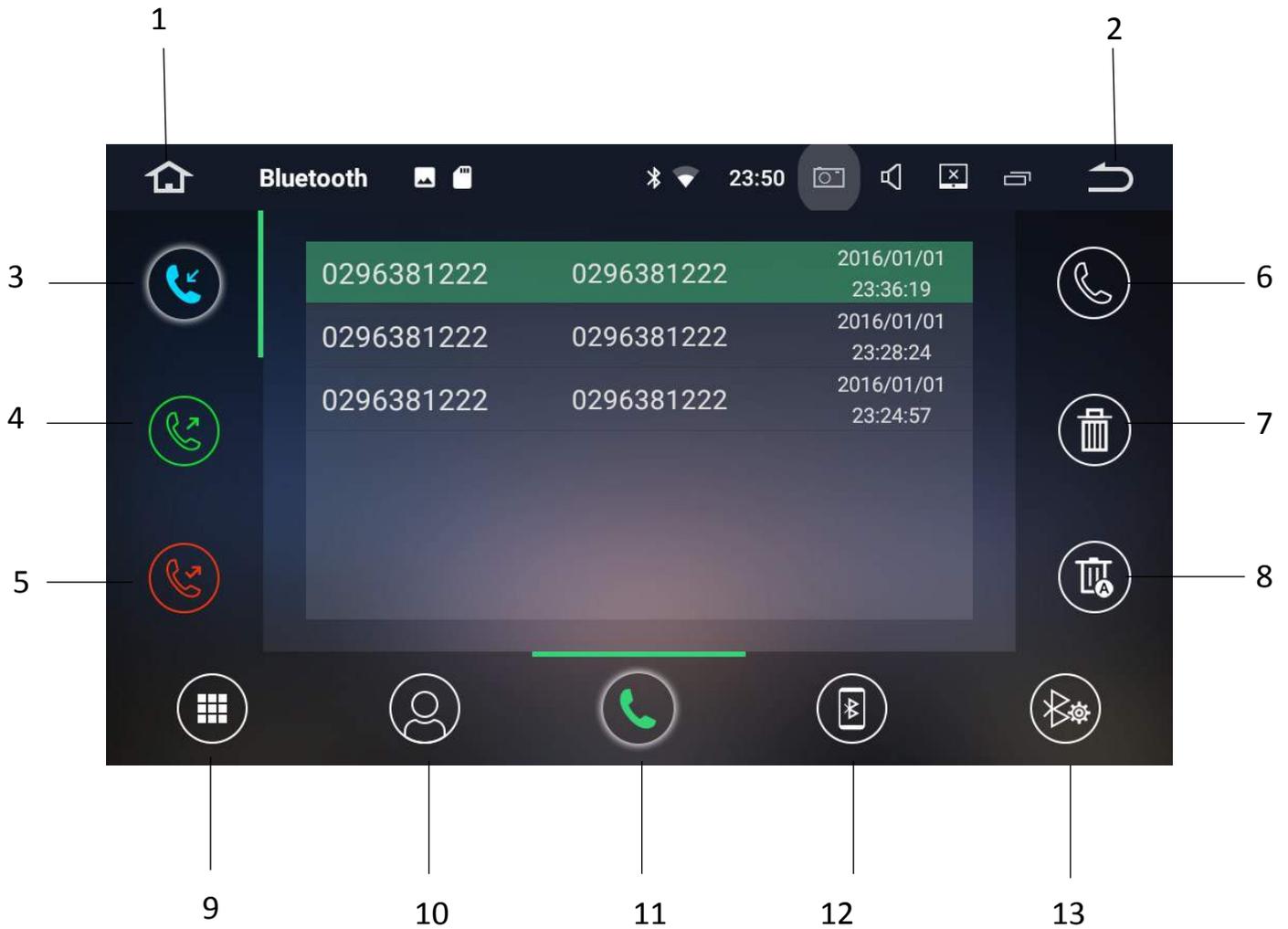


1. Home
2. Back to previous screen
3. Search contacts
4. Search alphabetically
5. Call nominated contact
6. Import contacts
7. Keypad
8. Contacts
9. Received/dialled/missed menu
10. Paired/available device menu
11. Bluetooth settings

Notes:

When importing contacts, your phone may ask for permission. Please select yes on your device.

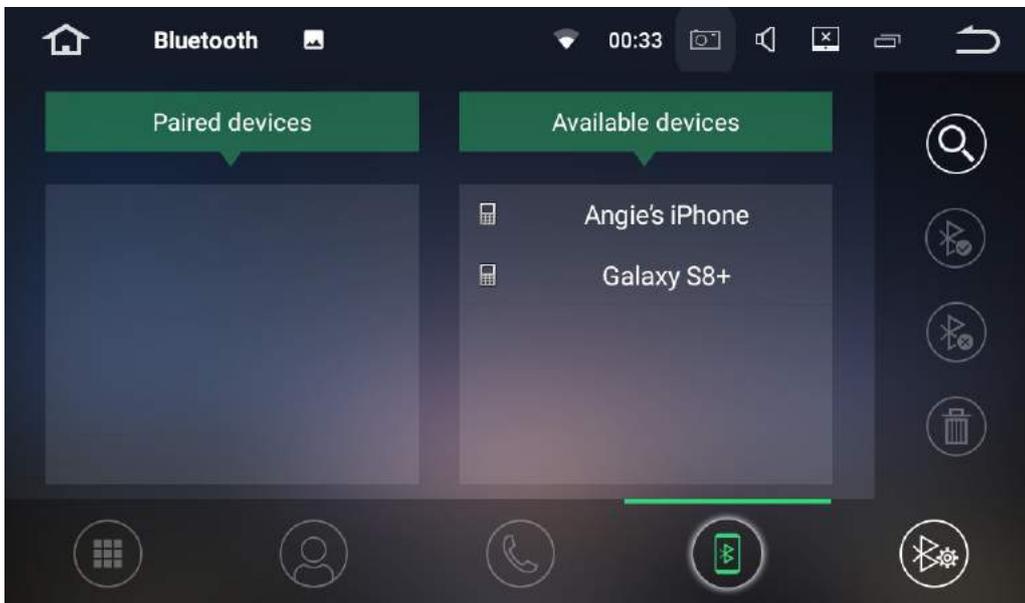
Received/Dialled /Missed calls



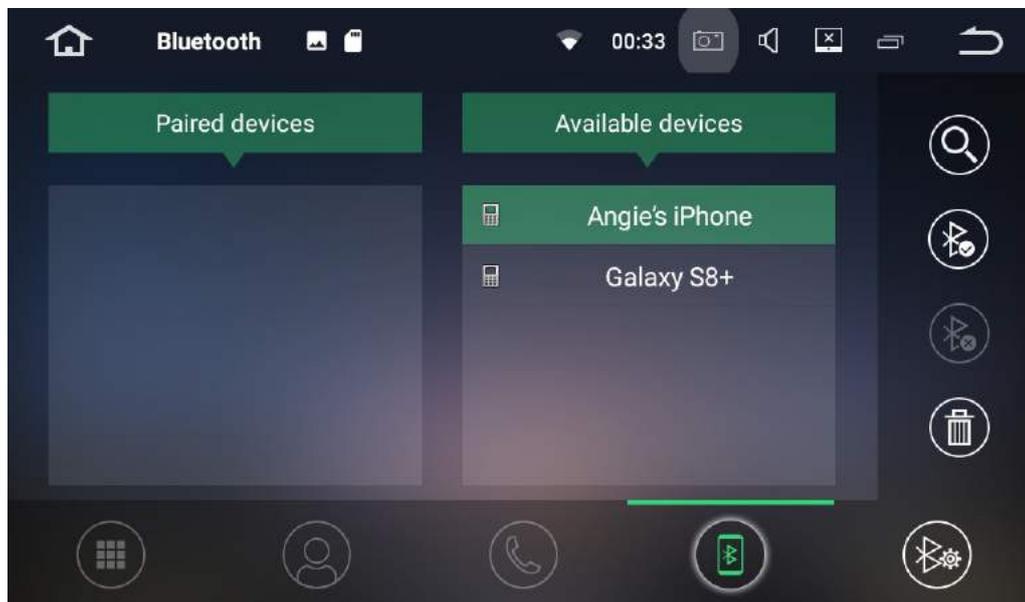
- | | |
|----------------------------|----------------------------------|
| 1. Home | 8. Delete all |
| 2. Back to previous screen | 9. Keypad |
| 3. Received Calls | 10. Contacts |
| 4. Dialled numbers | 11. Received/dialled/missed menu |
| 5. Missed calls | 12. Paired/available device menu |
| 6. Call | 13. Bluetooth settings |
| 7. Delete nominated number | |

Paired / Available devices

Pairing your device



Scan for available devices



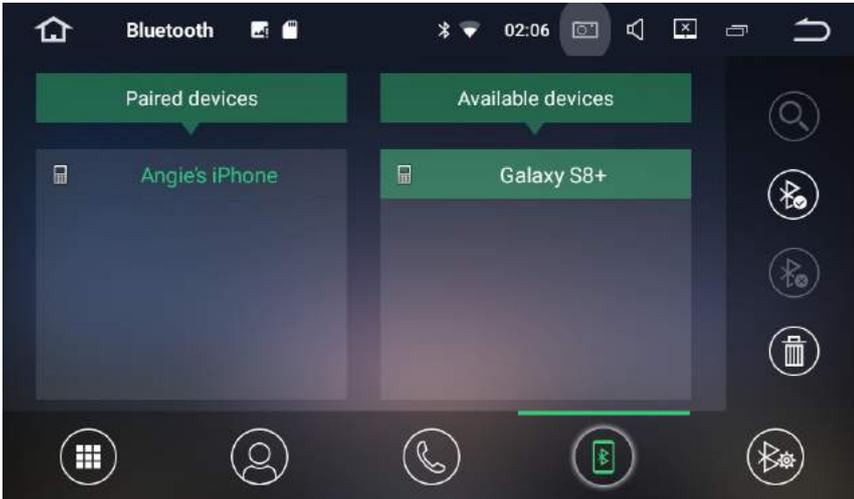
Select device and pair

Notes:

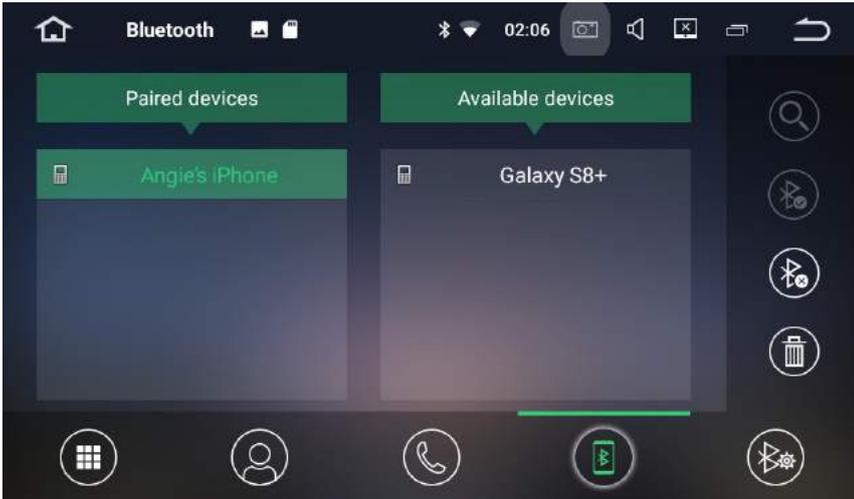
The Polaris Maxx will only connect to one phone at a time however, it will remember past paired devices so that you can easily switch between phones if necessary. To easily set this up, see pages 17-18 For instructions

Paired Devices

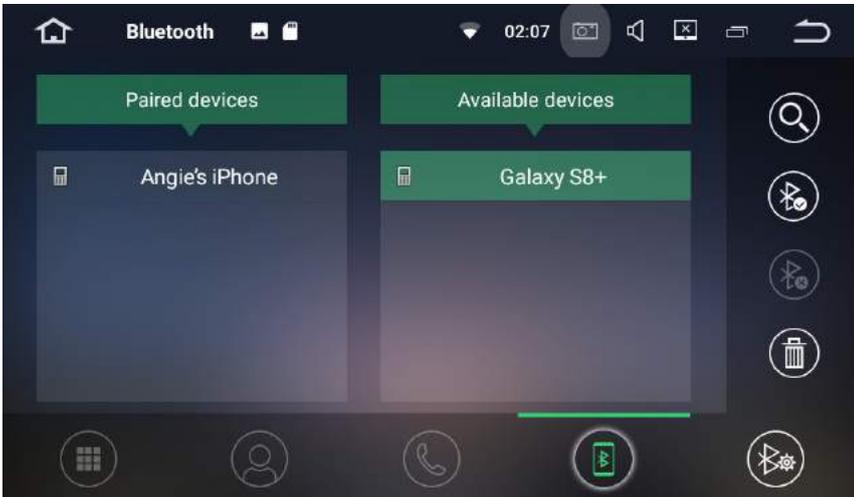
Paired devices will show you a list of past or current paired devices. The Polaris Maxx unit will only pair with one phone at a time and the current paired device will be listed at the top of the list. If you want to have more than one phone listed in the paired devices column so that you can easily switch between phones, please follow these steps:



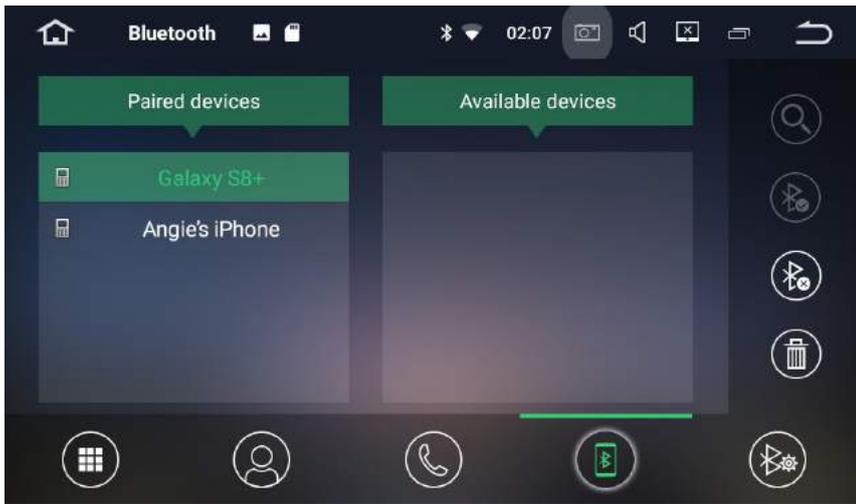
1. Scan & pair your first mobile phone—to see instructions, please see pages 5-6. Once it has paired, it will move over to the paired devices column



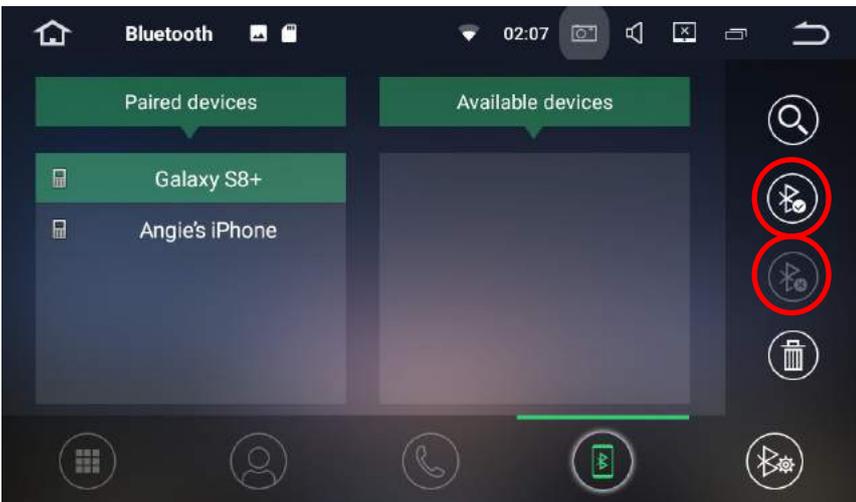
2. Highlight the paired phone and disconnect



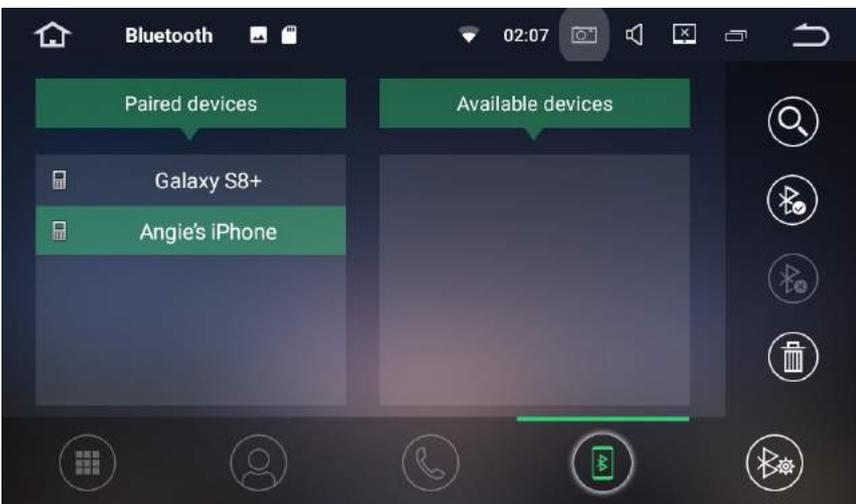
3. Select the second phone which should be located in the available devices column and pair



4. The Second phone will now move to the top of the paired device list.



5. To filter between the two phones simply use the connect and disconnect icon depending on which phone is connected at the time. The current paired device will always move to the top of the list.



6. To delete the pairing select the trash can icon

Bluetooth Settings



- | | |
|---|----------------------------------|
| 1. Home | 6. Back to previous screen |
| 2. Device name—select to change it | 7. Keypad |
| 3. Universal pin code—select to change it | 8. Contacts |
| 4. Auto answer on/off | 9. Received/Dialled/Missed calls |
| 5. Auto connect on/off | 10. Paired/Available devices |
| | 11. Bluetooth settings |

Notes:

If the auto answer feature is on, The Polaris Maxx will automatically answer the call after three rings.

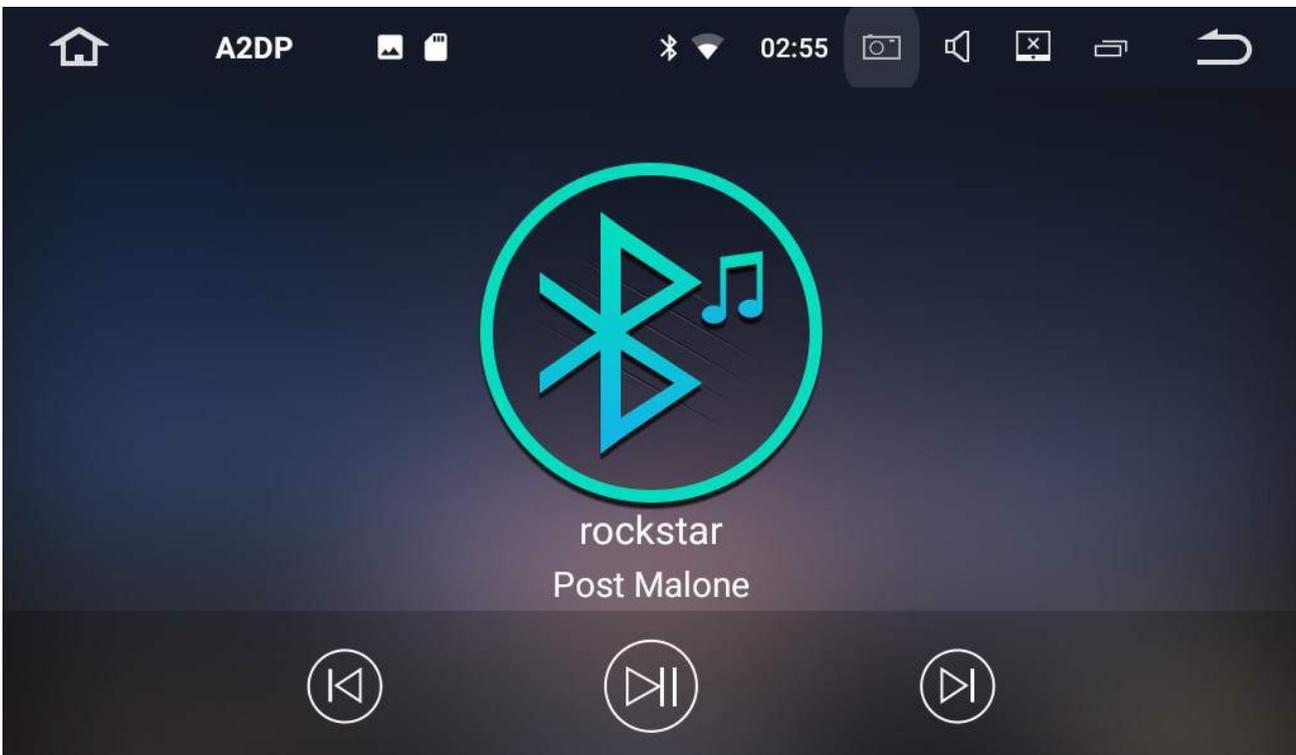
If Auto Connect is turned on, Bluetooth will automatically connect to the last paired phone upon vehicle start-up.

Bluetooth Music

You can listen to songs on your Bluetooth enabled device via Bluetooth. You can either select the music you wish to listen to directly from your mobile phone and it will play through the unit.

Alternatively you can select A2DP  and the Polaris Maxx will play whatever audio file you were previously listening to on your Bluetooth enabled device.

If you were listening to a playlist you can skip forward and back, pause and play through A2DP.

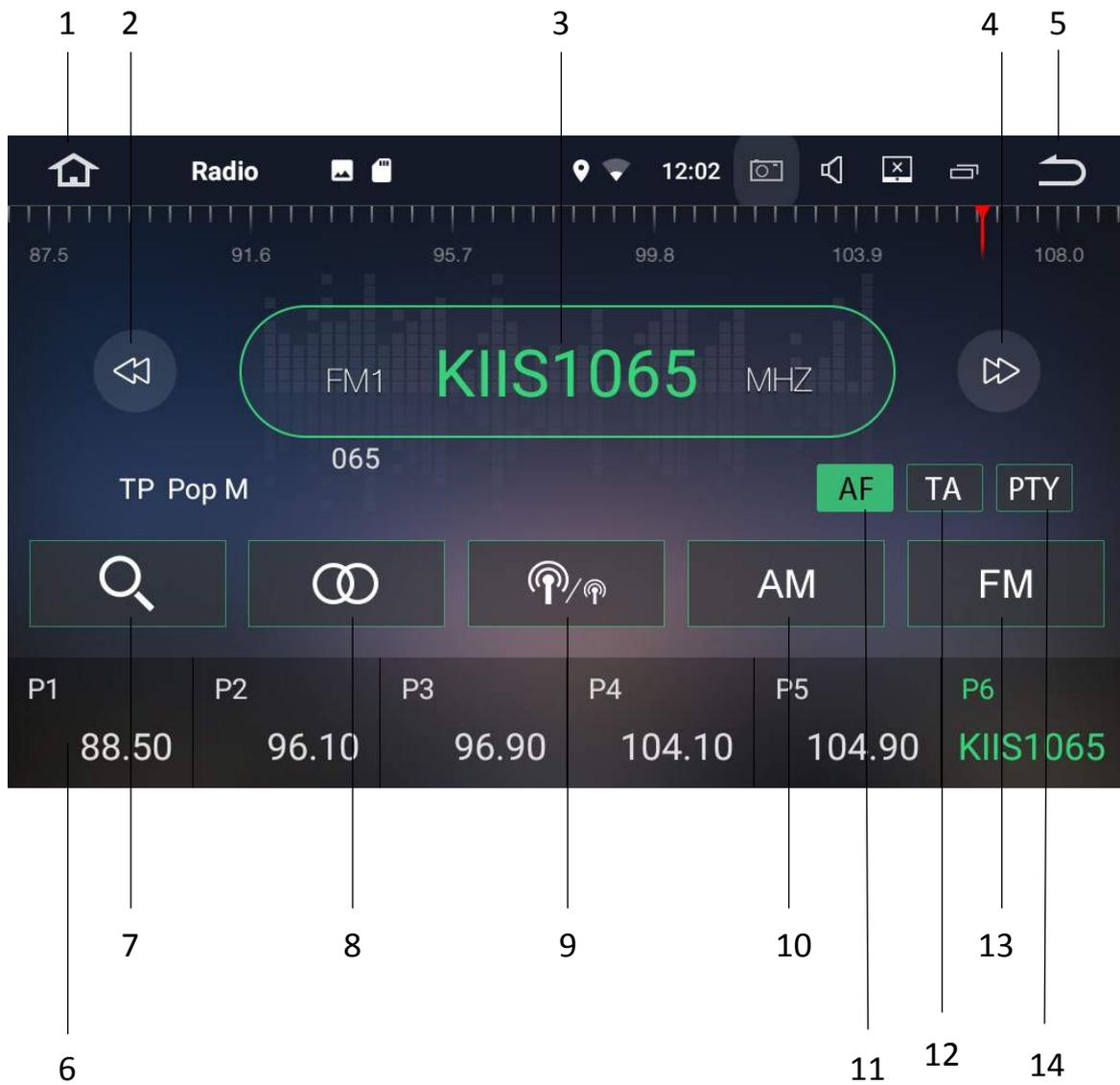


Notes:

A2DP is limited in features, we recommend that if you use streaming services such as Spotify or Apple music to download the app directly onto the Polaris Maxx.

Radio

The Polaris Maxx has AM and FM built into it. You can set up to 18 FM pre-sets and 12 AM pre-sets. To see how to set these up, please see pages 7-8

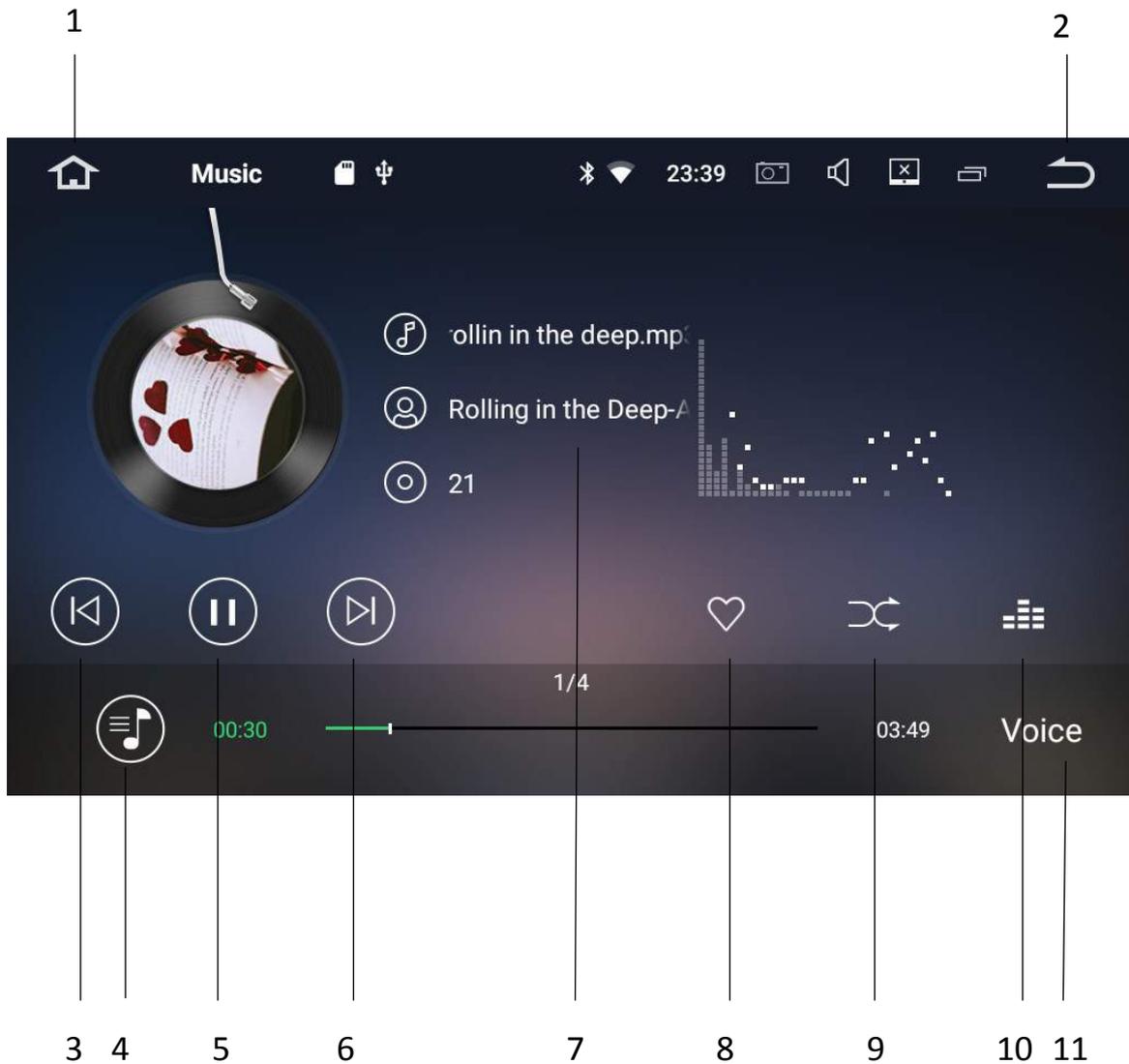


1. Home
2. Scan back through different stations manually
Hold button down to scan one by one
3. Radio frequency
4. Scan forward through different stations manually
Hold button down to scan one by one
5. Back to previous screen
6. Radio pre-set channel
7. Automatic scan
8. Mono/stereo sound quality
9. Scan for Long Range (distant) or short Range frequencies (local)
10. Change to AM frequency
11. Alternative frequency
12. Traffic Announcement
13. Change to FM frequency
14. Program type

Music via USB

The Polaris Maxx has 2 USB ports. One is located in the glove box (in most cases) and the second USB port is your factory USB port.

The Polaris Maxx will take up to a 16GB USB



- 1. Home
- 2. Back to previous screen
- 3. Skip back
- 4. USB contents menu
- 5. Pause/play
- 6. Skip forward
- 7. Song/artist/album information
- 8. Songs you love (see notes)
- 9. Shuffle/repeat/repeat all (see notes)
- 10. Sound spectrum on/off
- 11. Equaliser pre-sets

Notes:

If  is highlighted whilst a song is playing, this song will be added to a 'songs you love' list located in the USB contents menu



Normal: Will play all the songs in order and stop once finished



Repeat Song: Will repeat the current song



Repeat all: Will play the songs in order and start from the beginning once finished



Shuffle: Will shuffle all the songs on the USB

USB Contents Menu

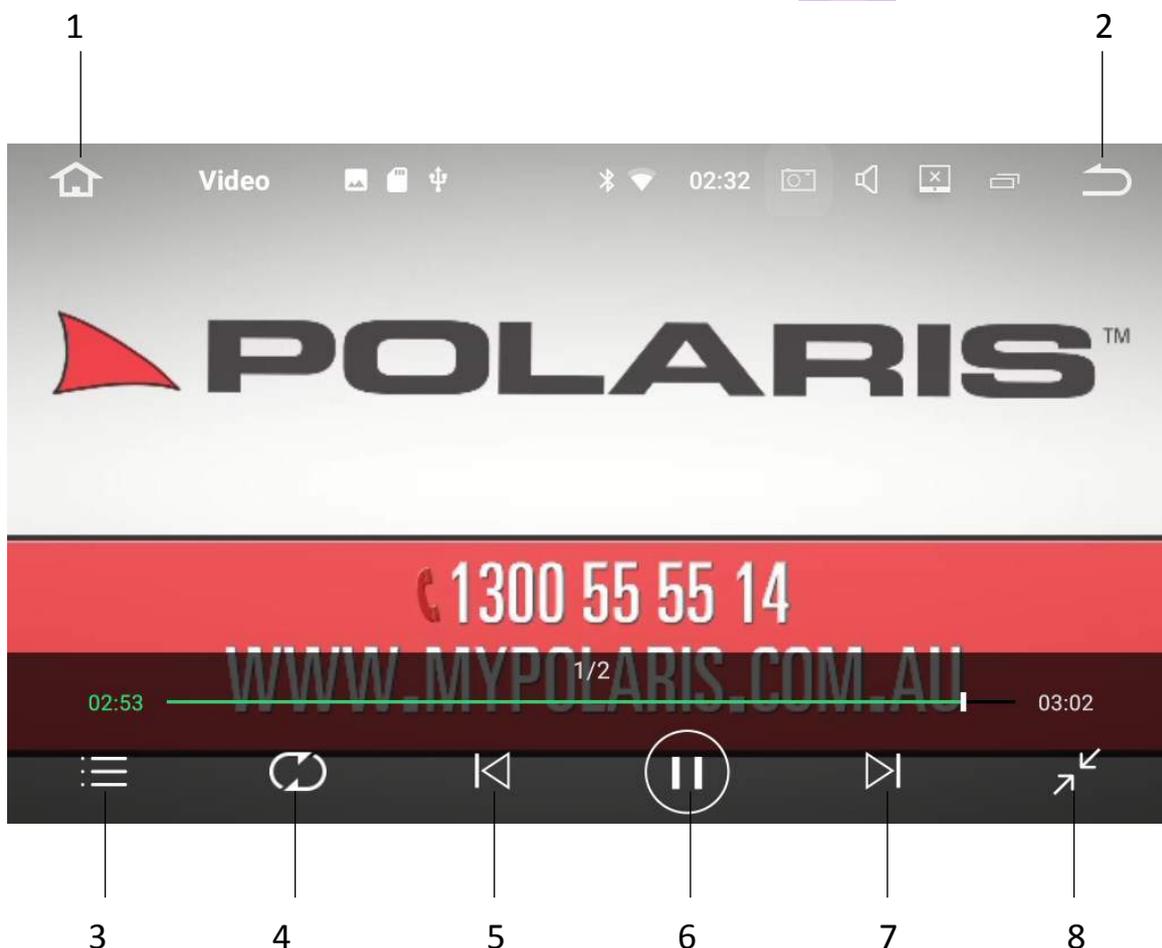


- | | |
|----------------------------|---|
| 1. Home | 7. Music files found in internal memory |
| 2. Music Files / Folders | 8. Music files found on SD card |
| 3. Albums | 9. Music Files found on USB |
| 4. Artists | 10. Play all the songs located on the USB |
| 5. Songs you love | 11. Select specific folder to play |
| 6. Back to previous screen | |

Playing movie files via USB

The USB will automatically default to music even if there is no music on the USB, if you don't want it to default to music, you can turn this function off via settings (see page 31).

To view your movie files, select video from the main menu



- | | |
|--|--------------------------|
| 1. Home | 5. Skip back |
| 2. Back to previous screen | 6. Pause/play |
| 3. USB contents menu | 7. Skip forward |
| 4. Shuffle/repeat/repeat all (see notes) | 8. Change to full screen |

Notes:



Normal: Will play all the movies in order and stop once finished



Repeat Movie: Will repeat the movie



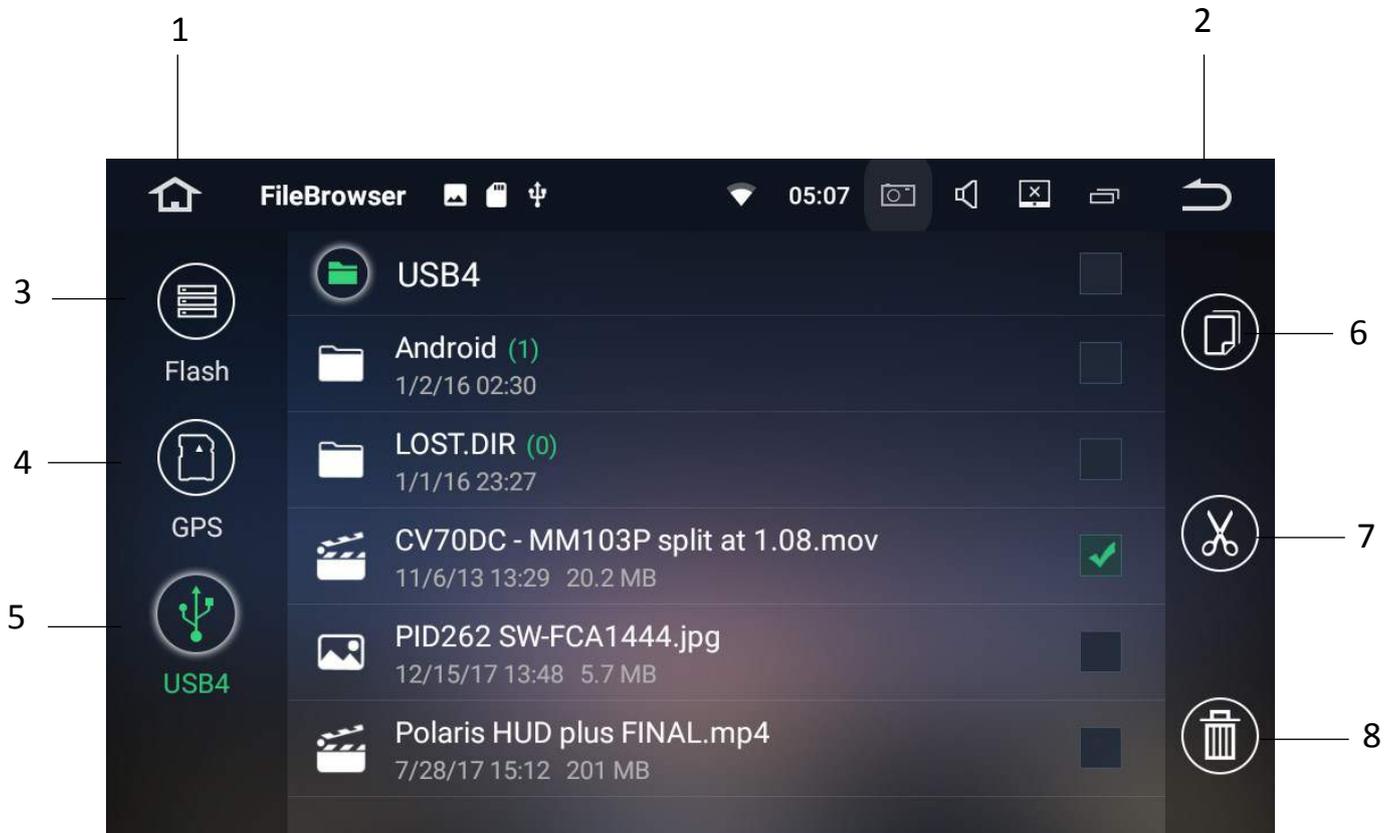
Repeat all: Will play the movies in order and start from the beginning once finished



Shuffle: Will shuffle all the movies on the USB

File Browser

If you would like to view your files in the one place, select File Browser from the main menu



- | | |
|----------------------------|------------------------|
| 1. Home | 5. USB external memory |
| 2. Back to previous screen | 6. Copy |
| 3. Internal memory | 7. Cut |
| 4. SD card external memory | 8. Delete |

Notes:

If a file is selected, the copy/cut/delete menu will appear. If you wish to move a file, you can opt to copy or cut it. Once you have selected cut/copy, choose the memory source that you wish to move the file to and select paste.



Street Navigation (optional)

If you have purchased the Polaris Maxx unit with preloaded maps then the iGo/Tom Tom will load when you select navigation from the main menu.



Alternatively, you can select the iGo app from the main menu

Head over to www.mypolaris.com.au to download the navigation user manual.

If you have opted to download your own maps, you can set your preferred mapping to load when Navigation is selected from the main menu in settings, please see page 31 On how to so this.

Alternatively you can open your own maps via the app on the main menu.

Off Road Navigation (optional)

If you have purchased the Polaris Maxx unit with the OziExplorer/HEMA maps preloaded the Off road maps will load when you select OziExplorer from the main menu



Head over to www.ozieplorer.com > **OziExplorer android** for help with using the ozieplorer software.

When searching for maps, make sure the location you are searching in is the external SD card.

Please note: OziExplorer is the software platform and the mapping data is provided by HEMA maps

Important: Please be aware that both mapping programs will be loaded onto an SD card

Other features



DVR: Allows you to plug in an aftermarket DVR camera via USB for recording



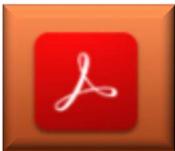
APK installer: Allows you to install and manage APK files



Clock: Alarm / World Clock / Timer & Stopwatch function



GPS Info: Displays satellite strength information



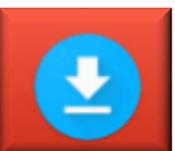
Adobe Reader: allows you to view PDF documents



Calendar: Calendar feature



Google Chrome: Use Google Chrome to browse the internet when connected to WiFi



Downloads: view/ manage downloads



Gmail: View / manage your Gmail account



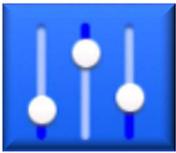
Google: Open Google search bar



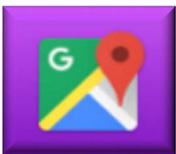
Gallery: View/manage photos that are stored in the internal memory



AV in: See page 35



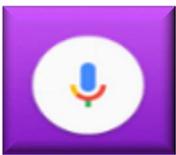
Amplifier: Sound management



Google Maps: Opens Google maps for navigation



Google play store: Open Google play store for downloading apps onto the unit



Voice search: Allows you to utilise OK Google with the Polaris Maxx



Steering wheel study: Allows you to reprogram your steering wheel controls if necessary.

Settings

Wireless & Networks

WiFi	<ul style="list-style-type: none">• Connect to local Wifi network• Turn WiFi on/off
Bluetooth	<ul style="list-style-type: none">• Change bluetooth name• Change bluetooth pin number• Autoconnect on/off• Auto answer on/off• See past paired devices
Data Usage	<ul style="list-style-type: none">• Wifi Data usage• Data saver• Network restrictions
More	<ul style="list-style-type: none">• Not applicable to this unit

Device

Display	<ul style="list-style-type: none">• Change brightness for day and night• Change wallpaper, font size, display size• Setup Touch assist
Notifications	<ul style="list-style-type: none">• Control which apps send you notifications
Sound	<ul style="list-style-type: none">• Control volume• Change alarm tones• Change notification tones• Do not disturb on/off
Element	<ul style="list-style-type: none">• Change the panel display colour

Apps	<ul style="list-style-type: none"> • View/manage your apps
Screenshot settings	<ul style="list-style-type: none"> • Select delay time • Set location of screenshot • Display screen icon in the status bar
Storage	<ul style="list-style-type: none"> • View/manage storage
Memory	<ul style="list-style-type: none"> • View memory
Users	<ul style="list-style-type: none"> • View/manage user profiles

Personal

Location	<ul style="list-style-type: none"> • Change location mode high accuracy/battery saving / device only
Security	<ul style="list-style-type: none"> • View or deactivate device administrators • Allow installation from unknown sources • Credential storage
Accounts	<ul style="list-style-type: none"> • View / manage accounts for different apps like google, gmail, adobe etc.
Google	<ul style="list-style-type: none"> • View / manage your google account
Languages and input	<ul style="list-style-type: none"> • Set different languages • Spell checker • Keyboard and input methods • Text to speech output
Backup & reset	<ul style="list-style-type: none"> • Perform factory reset & manage backups

System

Date & Time	<ul style="list-style-type: none"> • Setup date and time
Accessibility	<ul style="list-style-type: none"> • Magnification gesture • Font size • Display size • Mono audio on/off • Accessibility shortcut

Car

Navigation	<ul style="list-style-type: none"> • Change the navigation default to your preferred mapping • Setup navigation sound mode : Switch will mute the radio when the Nav voice speaks and mixing will drop the volume level of radio when the navigation voice speaks • Monitor GPS information
Driving settings	<ul style="list-style-type: none"> • Allow to watch video while driving on/off *Polaris does not endorse this feature • Block notifications whilst driving on/off
Extra Settings	<ul style="list-style-type: none"> • Shutdown delay when accessories is off • Play music as soon as USB is inserted on/off • Reversing X-mirror: will flip the reverse camera image • Reversing volume: can turn volume off when reverse camera is engaged • Reversing trajectory display
Steering Wheel Keys	<ul style="list-style-type: none"> • Reprogramme your SWC if necessary

Amplifier	<ul style="list-style-type: none"> • Manually modify equaliser • Set custom equaliser • Speaker settings
Factory Settings	<p>Password is 126</p> <ul style="list-style-type: none"> • Change start-up logo • Enable front camera (can be found in other tab) • Nominate a time interval for front camera to switch on after reverse has been disengaged <p>For an in depth view on how to setup front camera see page 36</p> <p>There are other settings in factory settings however we have left them off here for good reason. We do not suggest playing around with any of the other factory settings</p>
About Machine	<ul style="list-style-type: none"> • Run system and MCU updates • Find model information • Find Android version • Find Android security patch level • Find kernel version • Find Build Number • Find MCU version • Find Serial number • Find CPU • Find Memory

Multitasking Split Screen

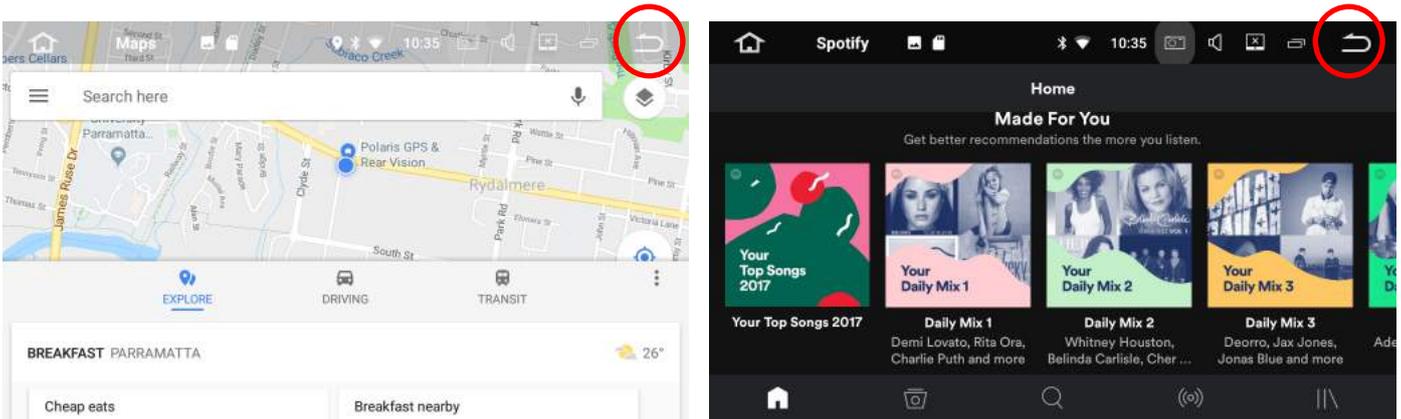
The Polaris Maxx unit will allow you to view 2 apps at once via the multitasking feature.

Please note: Some 3rd party apps may not be supported.

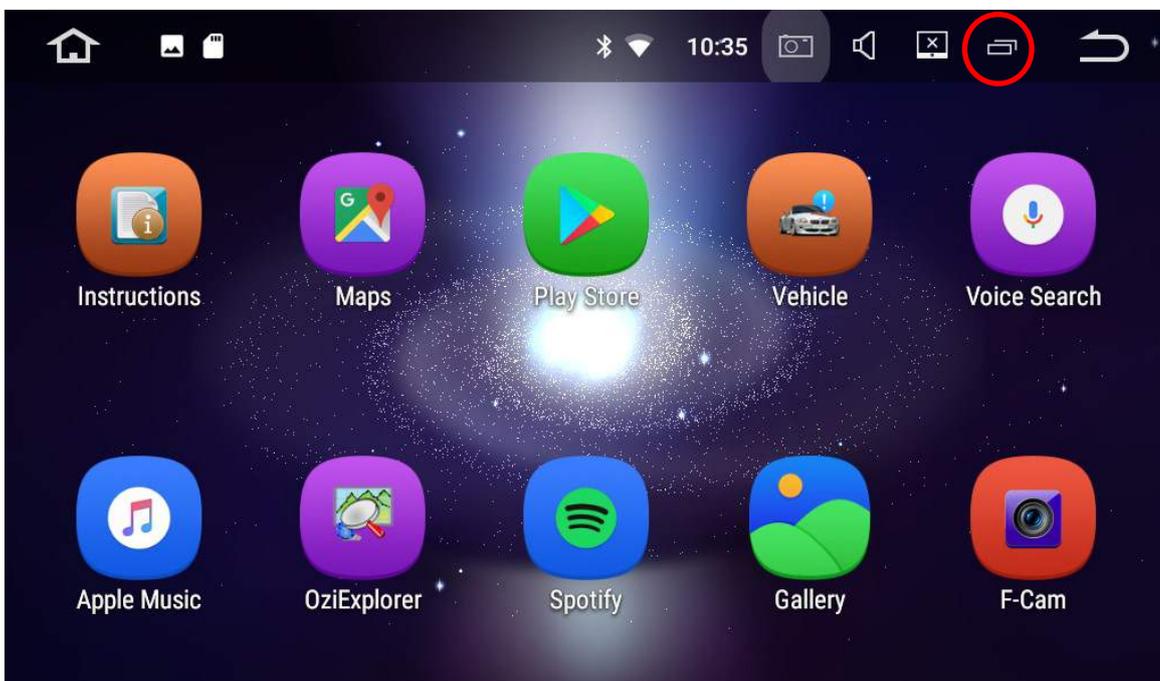
To view 2 apps in split screen, open the first app.

Once your first app has loaded, press the back icon to return to the main menu.

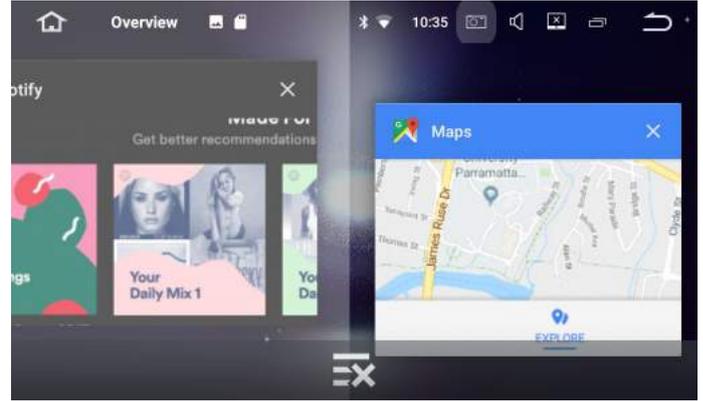
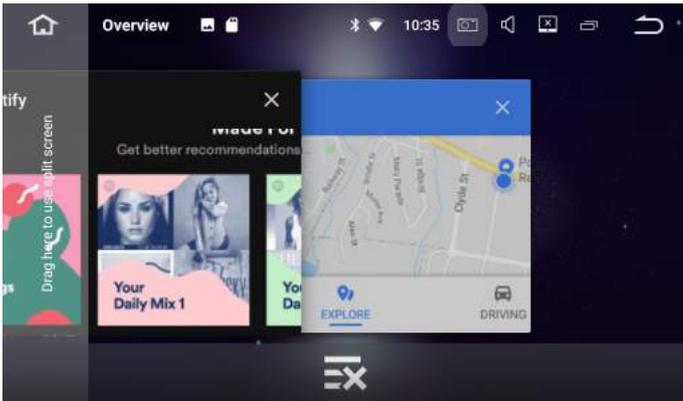
Open your second app and once this has loaded press the back icon to return to the main menu



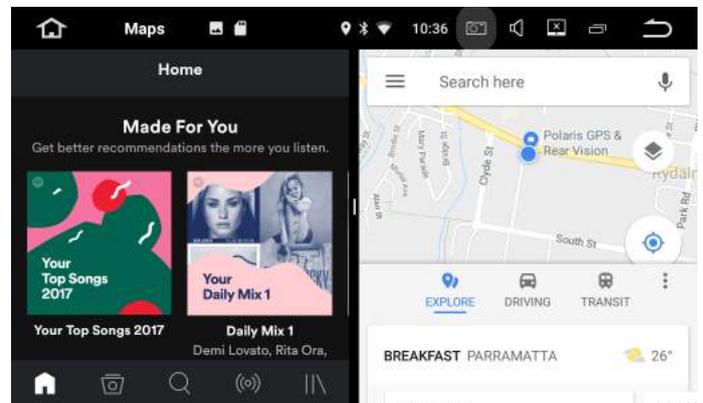
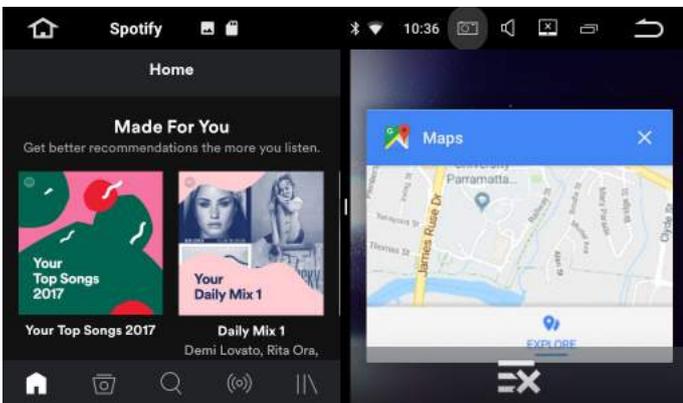
Select multitask icon from the taskbar up the top:



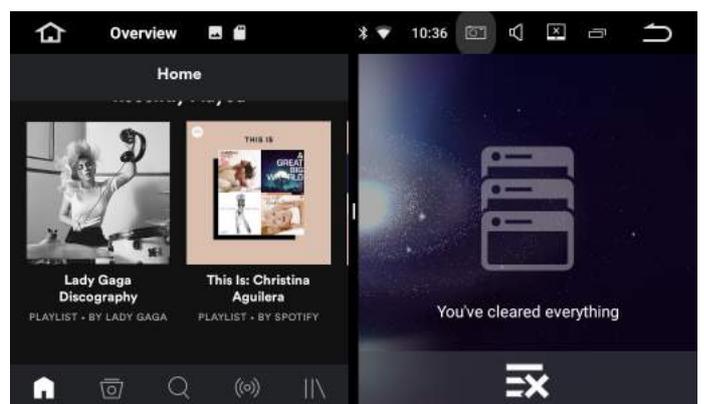
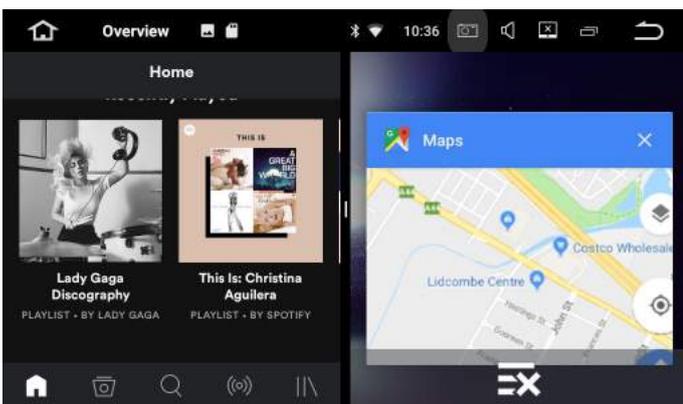
Drag your first app over to the left:



Tap the other app that you wish to view in split screen and it should adjust size and appear on the right hand side:



To exit multitask split screen, select the multi tasking icon and the right hand side app will appear with a cross underneath, touch the cross to close the app



Simply drag the app that appears on the left hand side to open in full screen

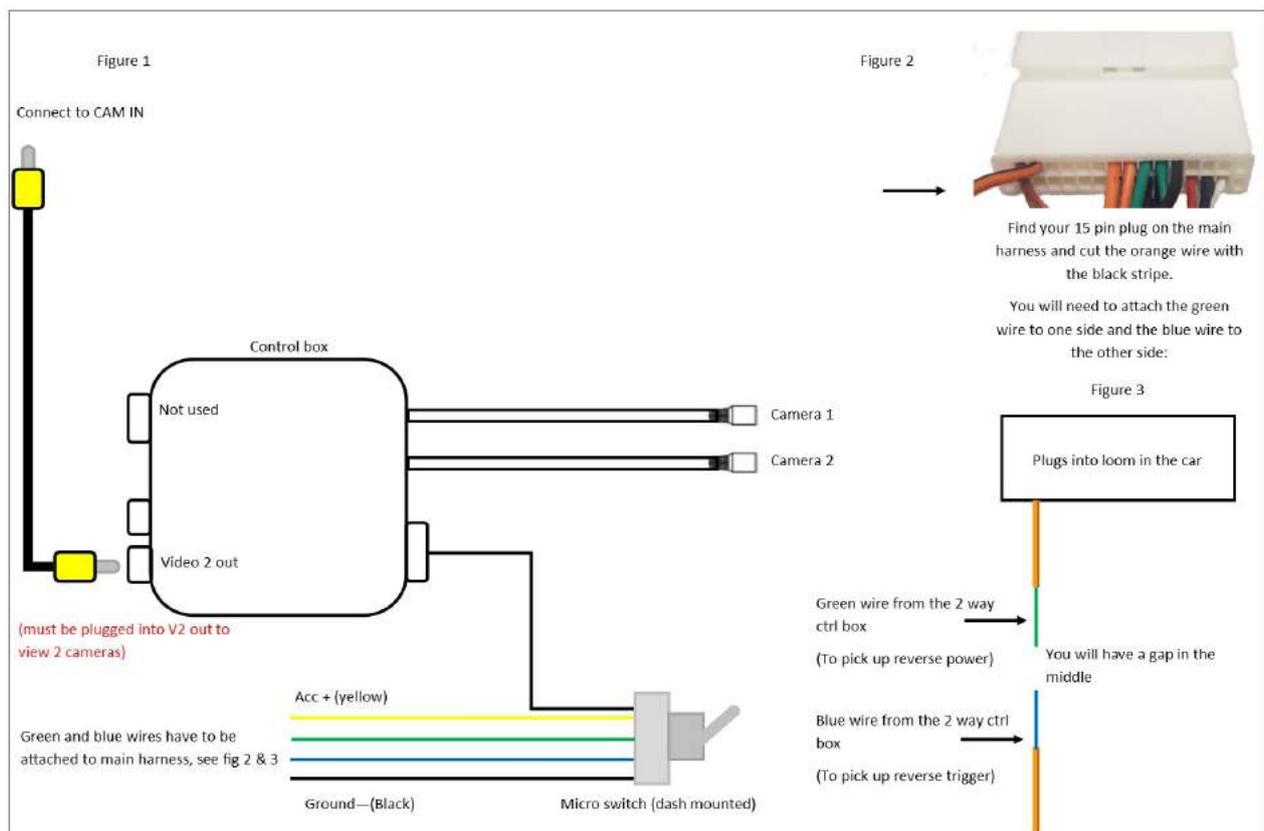
AV In (optional)

AV in will allow you to plug in a second reversing camera with RCA type plugs. The camera can be accessed anytime through the main menu.

PLEASE NOTE: If you want to add a second camera to a trailer, we recommend installing our 2 way control box with a toggle switch as it will allow you to override the reverse camera function.

If you do not use the control box or some kind of override switch, you will not be able to view the trailer camera in reverse as the reverse camera will always override when the vehicle is in reverse.

If you are setting up the second camera through our control box, please be aware that both cameras will be running through the control box, please see installation guide below:



You can download a PDF version of this wiring diagram at www.mypolaris.com.au

If you want to adapt your factory camera through our 2 way control box, you will need to modify your factory camera cable. Please refer to our separate diagram on how to do this.

Front Cam (optional)

The Polaris Maxx will allow you to plug a front camera in via the front camera input. You will need to go into the factory settings to turn this function on:

Select settings from the main menu

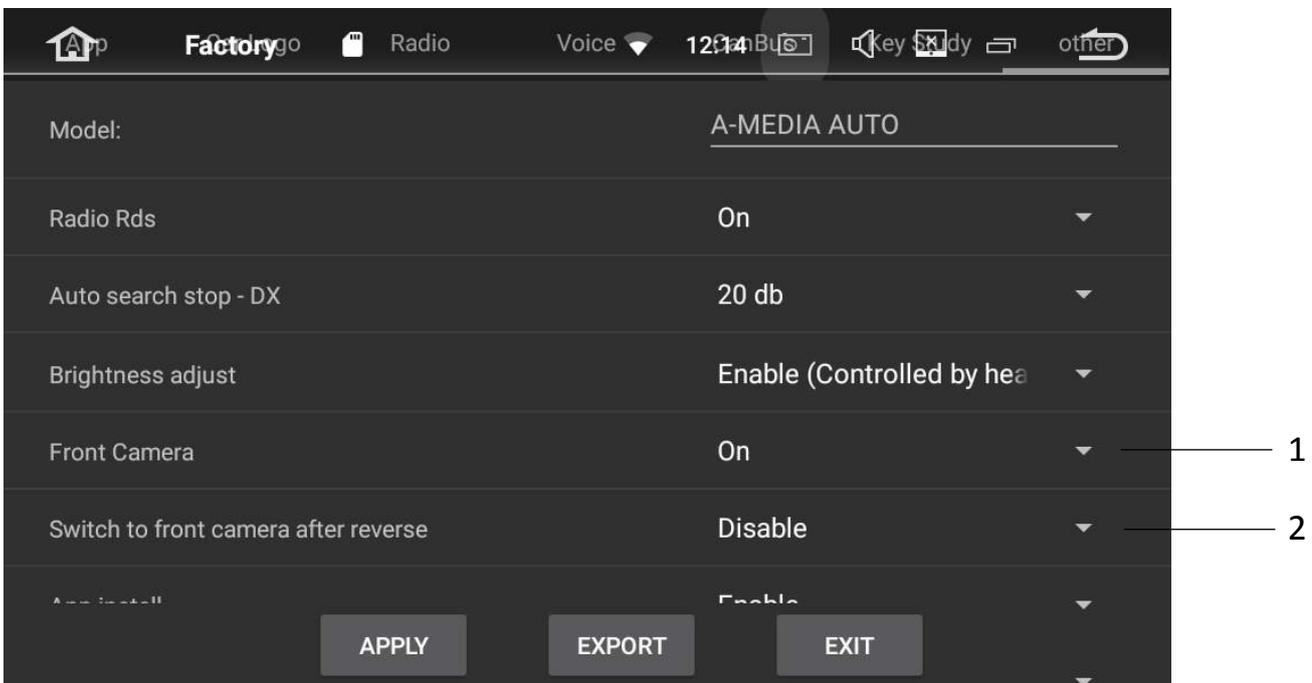


Scroll down until you see Factory settings



Enter passcode: **126**

Select other and scroll down until you find front camera:



1. Turn front camera on/off. If front camera is enabled, an app will appear on the main menu so you can access the front camera at any time.
2. This enables you to choose a time interval so that the front camera will appear on the screen for the nominated amount of time after reverse gear is disengaged or you can opt to disable this feature.

Car Play & Android Auto USB Add-on (Optional)

If you have purchased the additional car play dongle, Polaris will install the AutoPlay APK file for you so it is ready for you to use.

Step 1: Plug the USB dongle into one of the USB inputs.



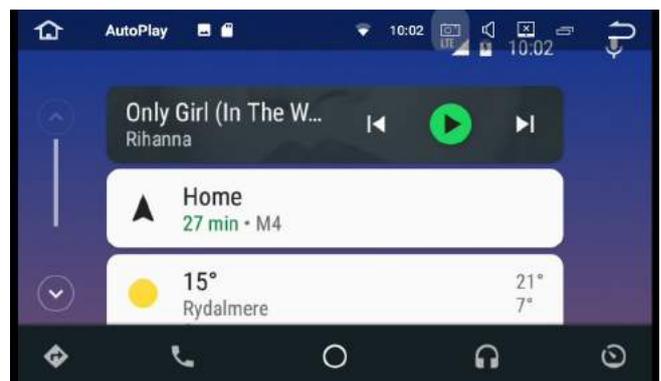
Step 2. Plug your phone in with your genuine cable into the dongle.

Step 3. Select AutoPlay from the main menu



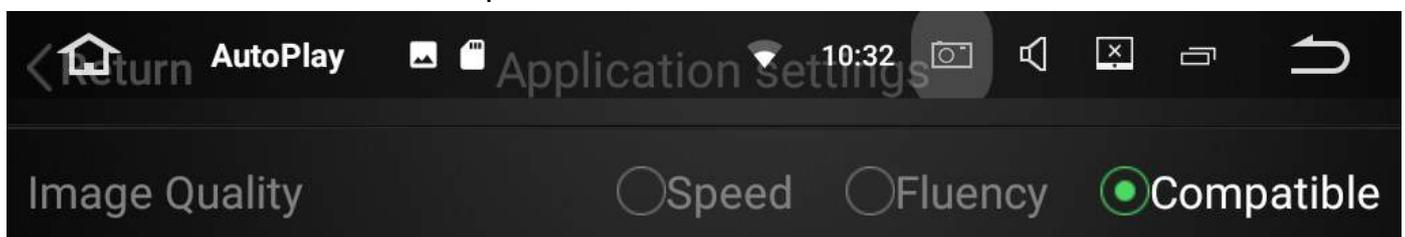
Step 4. Apple Car play or Android auto should appear on screen (depending on which phone you have).

Please note: For Android phones, you must have the Android Auto app on phone for Android Auto to work properly

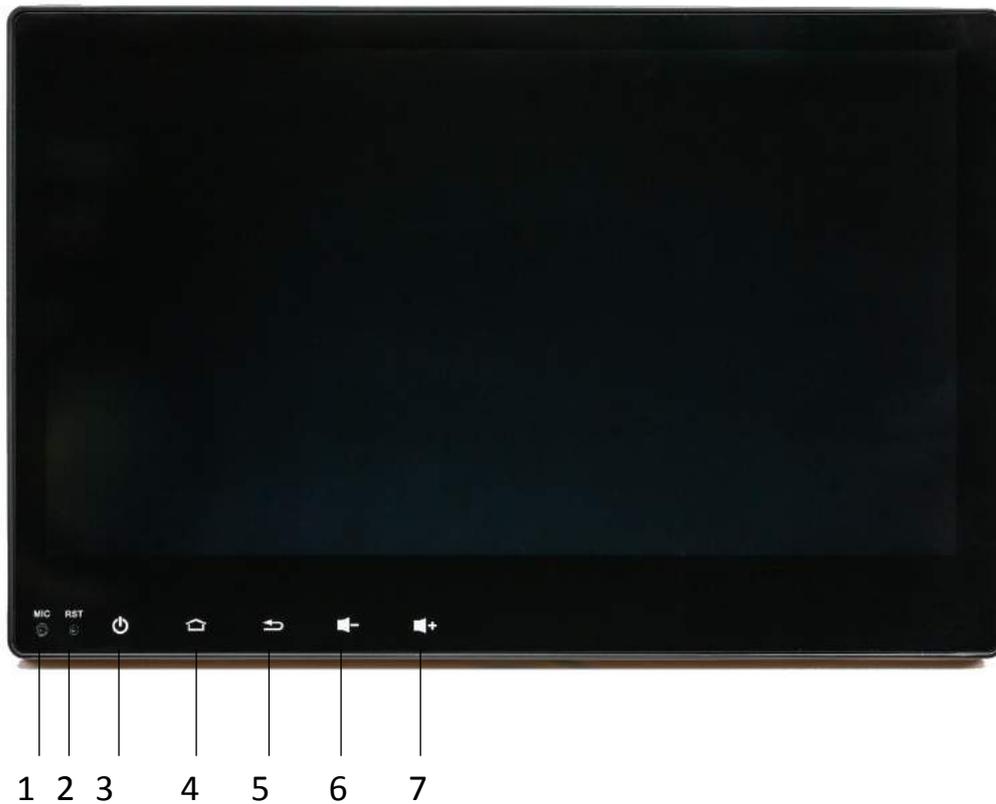


Troubleshooting

If you are having trouble with this device, unplug your phone and select settings in the top left corner and make sure compatible is selected:



Touch Button Panel



1. Internal Bluetooth Mic
2. Reset Hole
3. Standby mode
4. Return home
5. Back to previous screen
6. Adjust volume level down
7. Adjust volume level up

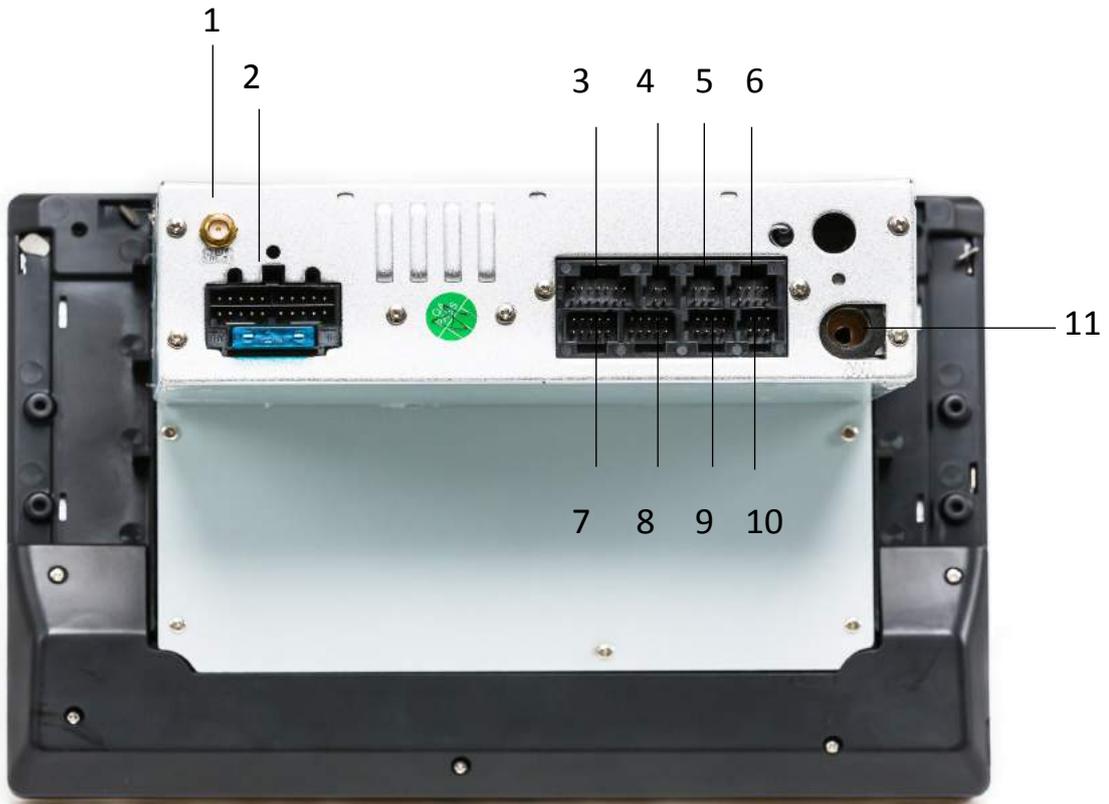
Shortcuts



At any time you can hold or drag the status bar down to quickly access features such as: Wifi, Bluetooth, Volume, brightness, Amplifier, speed management settings and general settings.

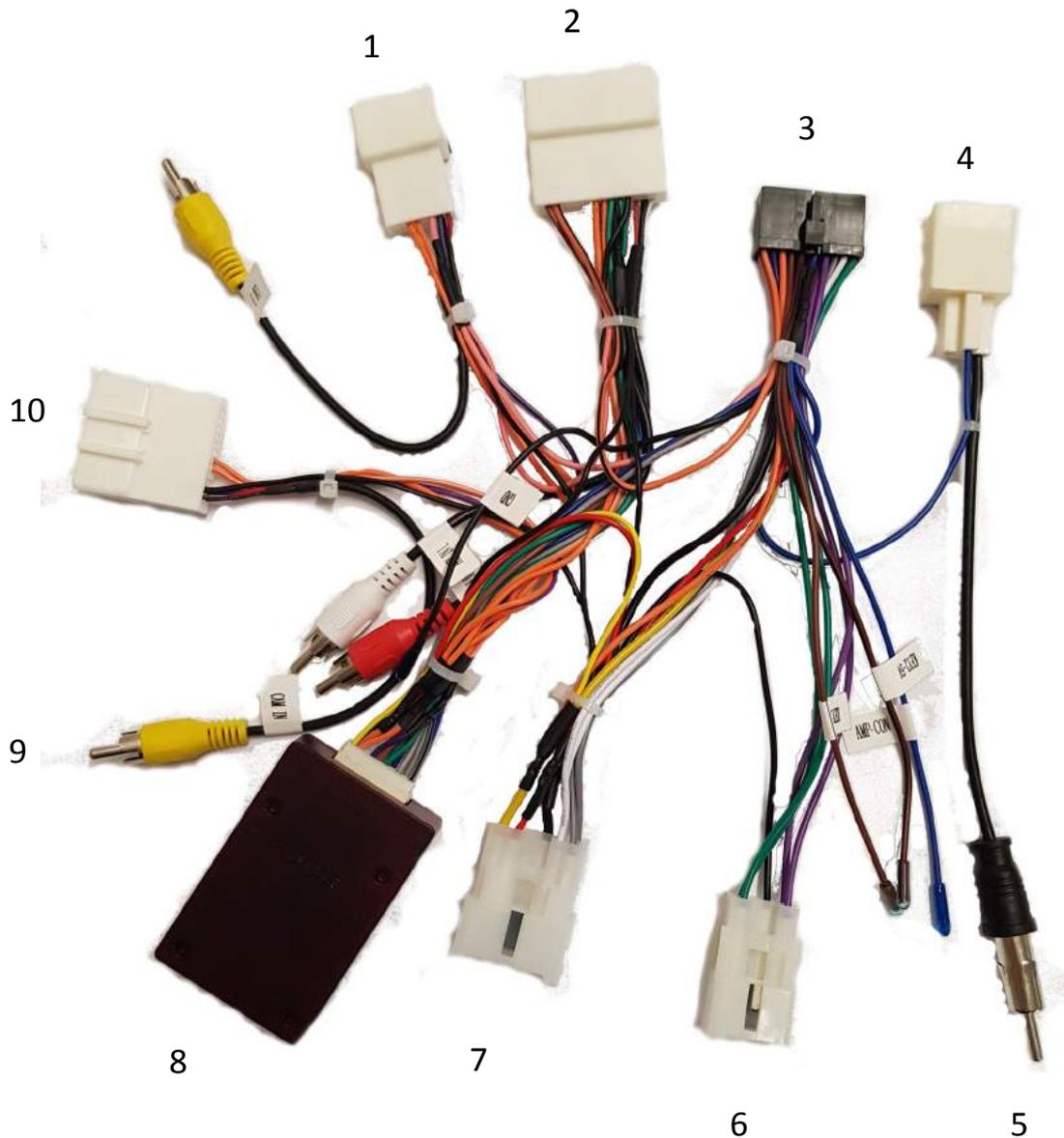
You can also access widgets, wallpaper and general settings by holding your finger down anywhere on the screen when in the main menu interface.

Wiring



- | | |
|--|-----------------------------------|
| 1. GPS Antenna input | 6. Vid in/AUX L/ AUX R |
| 2. Main Power Harness | 7. Not used |
| 3. RR, RL, FR, FL Audio out/ Vid out 1&2 / SUB | 8. 2 x USB inputs / Bluetooth mic |
| 4. Not used | 9. Not used |
| 5. Not used | 10. Cam in/ Front Cam in / +/- |
| | 11. Radio Antenna input |

Main wiring harness



1. 7 pin plug—Not used
2. 15 pin plug—Steering wheel controls, reverse trigger + more (plugs into OEM Harness)
3. Main power (plugs into the back of the Polaris Maxx)
4. Radio Antenna adaptor (plugs into OEM harness)
5. 1 Din Radio Antenna (plugs into the back of Polaris Maxx)
6. 5 pin plug—Rear Speakers (plugs into OEM harness)
7. Main power + front speakers (plugs into OEM harness)
8. Canbus Module
9. Cam In—if you are using the factory camera, plug this cable into the female cam in jack located in input no. 10 (see page 38)
10. 6 pin plug—Factory Camera input

Specifications

General Information

Monitor:	Large 10.1" Capacitive Multi Touch Screen
Resolution:	1024 x 600
Operating system:	Android 7.1.2
Power supply:	DC12V
Video form:	PAL/NTSC
SWC:	Supports original steering wheel controls*
OSD Language:	English
Wiring:	Plug_&_play harness for hassle free installation
CAN-BUS:	CAN-BUS module included
Warranty:	3 years
Multi Camera support:	Camera input, front camera input and AV in. Can upgrade to control boxes for multiple cameras

NOTES:

****Voice recognition feature is lost***

Technical

CPU:	Rockchip PX3, Cortex-A9, Quad-Core
RAM:	Samsung DDR3 2GB
Flash:	16GB
Radio:	NXP 6686
GPS module:	SIRF III
TFT Drive IC:	Rockchip PX3
Motor Drive:	Mabuchi
Amplifier IC:	TDA 7851
Video Decoder:	1080P HW
DVR:	USB Camera
Screen:	Hanstar screen
GPS frequency:	1.6GHz

GPS Navigation:

Google Maps:	APP comes pre-installed on device. Will need to use data from personal hotspot on the road
Street Navigation:*	Australia Wide TomTom Navigation with iGo Software platform loaded onto an SD card
Off Road Navigation:*	HEMA maps with Oziexplorer platform loaded onto an SD card
GPS Dual Zone:	Yes, can listen to music whilst in navigation
GPS Language:	Multi-languages

NOTES: *Optional Extra

Radio Function

AM Frequency Range:	522KHz - 1620KHz
FM Frequency Range:	76.0 MHz - 108.0 MHz
FM Pre-set channels:	Set up to 19 FM pre-sets
AM Pre-set channels:	Set up to 12 AM pre-set channels

USB

USB Flash Drive	Supports up to 16GB
USB Inputs:	2 x USB inputs. Polaris Maxx comes with an adaptor to plug your factory USB in
Supports iPod/iPhone/iPad:	For Charging only
File Formats Supported:	MP3/WMA/AAC/RM/LFAC/MPEG-1,2,4/H264/H263/VC1/RV/RMVB/DivX/JPEG/BMP/GIF/PNG

Reverse Camera Function*

Reverse Camera input:	Yellow RCA jack
Factory Camera:	Supported - Will plug directly into main power loom
Reversing Camera:	Can upgrade to a Polaris camera at an extra cost
Reverse Trigger:	Reverse Camera will engage when vehicle is put into reverse gear

NOTES: *Optional Extra

Forward Vision Camera*

Forward Vision Camera input	Yellow RCA Jack
Functionality:	Once reverse gear is disengaged, the forward vision camera can be set to appear on the screen for a nominated time interval. The forward vision camera can also be viewed at any time by selecting F-Cam icon in the main menu

NOTES: *Optional Extra

Caravan / Trailer camera*

Functionality:	Yes, when working in conjunction with Polaris control box via AV-in function
AV-in	Second camera can be plugged via AV-in (yellow RCA jack) but reverse camera will always override when vehicle is in reverse

NOTES: *Optional Extra

Bluetooth Function

Hands free:	Yes, compatible with BT.2.0 for most brand phones
Import Phonebook:	Yes, with alphabetic search function
Stream audio via Bluetooth:	Yes
Supports external microphone:	Yes, included in the unit.

Wi-Fi

Power Supply:	Vcc_3.3V
Supported protocol/standard:	IEEE802.11B/g/n compatible WLAN
Interface type:	USB 2.0
Frequency:	2.4-2.484GHz
RF Power:	15dBm
Modulation:	OFDM/DBPSK/DQPSK/CCK

Audio Input & Output

Max power:	Built in 4x50w with internal amplifier
EQ:	10 band equaliser
Sound effects:	Pop, classical, rock, flat, jazz, custom, voice
AUX audio input:	Yes - L & R
AUX audio output:	RL out, FL out, RR out, FR out
Subwoofer output:	Yes
Test Voltage	13.8V

Accessories Included:

Polaris Maxx 10.1" screen
GPS External Antenna
Bluetooth external microphone
Factory wiring loom for plug-and-play
RR,RL,FR,FL Audio out / VID out 1&2 / SUB
Vid in/AUX L / AUX R
Cam in / Front Cam in
USB Adaptor to plug factory USB in
2 x USB cables with bluetooth mic input
Brackets to mount unit, however we recommend using the OEM factory brackets