

ROADANGEL™



RA-X722DAB & RA-X622BT

MANUAL



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Notes on Installation

INSTALLATION PRECAUTIONS

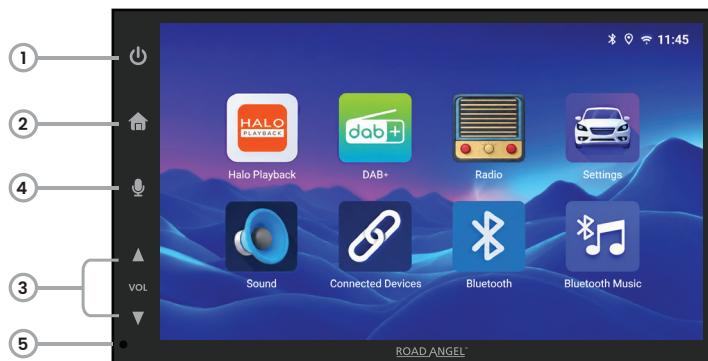


CAUTION

- The Road Angel Stereo is designed for **12V DC negative ground operation system only**. Before installing the unit, make sure your vehicle is connected to a DC12V negative ground electrical system.
- **The negative battery terminal must be disconnected before making connections**, which can avoid the chance of damaging the Road Angel Stereo due to a short circuit
- Be sure to **connect the colour coded leads correctly** according to the diagram on the Road Angel Stereo itself. Incorrect connection may cause the unit to malfunction or damage the vehicle's electrical system.
- Be sure to connect the speaker (-) leads to the speaker (-) terminals (or vice versa). **Do not cross-wire the left and right speaker channels** or to the vehicle's body.
- **Do not block vents or radiator panels**. Doing so may result in heat build-up inside the unit and may result in a fire.
- **For Android Auto to work, you need to ground the pink cable labelled "PARK"**. Otherwise, Android Auto will not load. This is a built in safety feature common on all aftermarket headunits with Android Auto.

Introduction

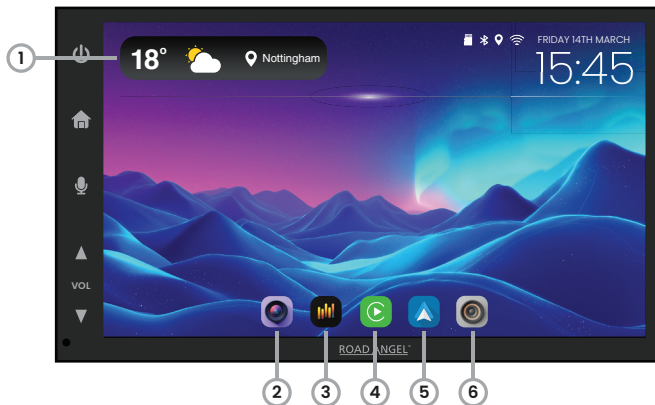
MAIN PANEL AND INSTRUMENTATION



①		Touch to mute. To unmute, touch again. Touch and hold to power off. To power back on, touch again.
②		Touch to return to the home screen.
③		Touch to activate the voice control. When an iPhone or Android device is connected, you can active Google Assistant or Siri
④		Touch (▲) for volume increase and (▼) for volume decrease.
⑤	RST	Press to reset the stereo

Main Interface

MAIN PANEL AND INSTRUMENTATION

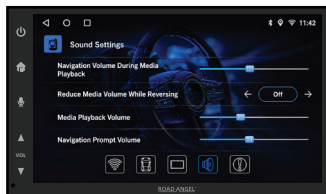


①		Touch to show the full weather information
②		Touch to enter front and reversing camera
③		Touch to enter DAB+ radio. (Only available on RA-X722DAB)
④		Touch to enter Apple CarPlay

⑤		Touch to enter Android Auto
⑥		Touch to access sound settings

General Settings¹

ADJUSTING DATE/TIME AND SOUND



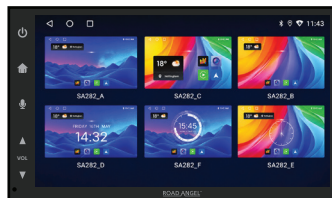
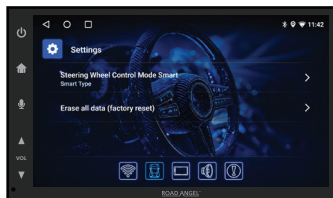
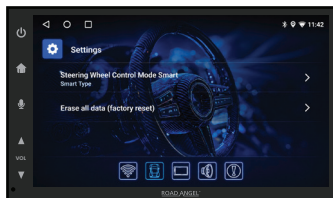
1		Once in the Sound Settings you can adjust the following: • Navigation volume during media playback • Reduce media volume while reversing • Media playback volume • Navigation prompt volume • Bluetooth sound volume • Incoming call volume • Default volume
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2		Once in the balance setting you can drag around the crosshair center (ICON) to get the required balance or use presets to determine the balance.
		Touch to adjust the preferred acoustic and equalizer settings.

3		Touch to adjust the preferred RCA settings
		Touch to adjust the preferred crossover settings
		Touch to adjust the preferred time alignment settings

General Settings ²

ADJUSTING BASIC SETTINGS & CHANGING TOUCH SCREEN WALLPAPER



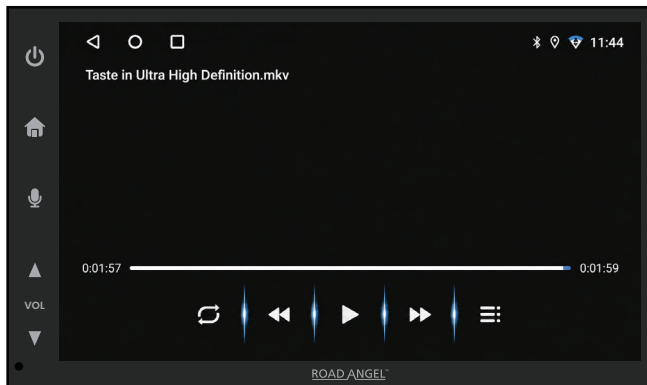
1		Once in the General settings, pressing the different options at the bottom to customize the stereo • Steering Wheel control • Erase all data The stereo will automatically restart back to factory settings
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2		• Theme mode • Clock display mode • Display brightness • Panel illumination (Select colour for side buttons)
---	---	--

3		Changing the wallpaper can be found by scrolling to the right from the home page and opening the "themes" app.
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USB/SD Card Operation

USING EXTERNAL MEDIA TO PLAY MUSIC & WATCH VIDEO



①		Repeat and loop or shuffle media
②		Resolution
③		Previous media
④		Play or pause media

⑤		Skip to next media
⑥		Choose where the media is from
⑦		Enter equalizer settings

Radio

SETTING AND SAVING RADIO STATIONS



①		Turn on/off TA (Traffic Announcements) & search DX (Distant Signals) & (Alternative frequencies).
②	◀▶	Search for Radio Stations.
③	📶	Touch to switch Radio bands between FMI, FM2, FM3, AM1 & AM2 or touch the bands themselves.
④	🔊	Touch to adjust the preferred Acoustic and Graphic Equaliser settings.
⑤	🔍	Touch to scan through saved stations. Hold to scan for a good signal.
⑥	📶	Touch to toggle between DX (Distant Reception) & LOC (Line Output

Bluetooth¹

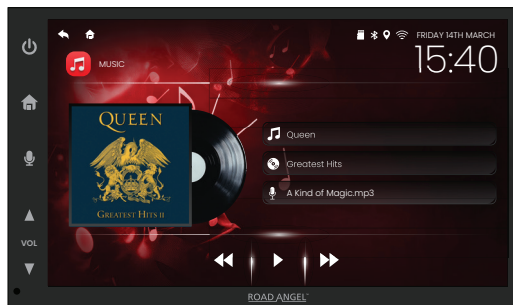
PHONE BLUETOOTH SETTINGS & PAIRING



①		To pair a new device follow these steps: Open Bluetooth phone's on the stereo & ensure your phones Bluetooth is on.
②		Once your devices detects the Road Angel Stereo, select pairing to the Stereo. You will be prompted to allow the Stereo access to your Contacts.
③		Once connection is successful, you will see your device's name appear here.
④		All your device's contacts will be available here when the Auto Load Phonebook toggle is set to on.
⑤		Touch to access your device's Call History.
⑥		Touch to reveal the keypad where you can manually input a telephone number.
		Do not attempt to connect your device whilst the vehicle is in motion.

Bluetooth ²

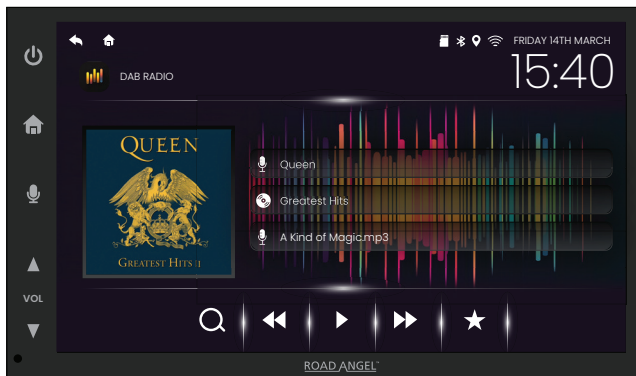
BLUETOOTH MUSIC



1		Follow the Bluetooth pairing instructions on the previous page. Open Bluetooth music on the stereo & ensure your phone's Bluetooth is on.
2		Touch to browse the music available on your connected device.
3		Play and Pause the music.
		Do not attempt to connect your device whilst the vehicle is in motion.

DAB+

DAB/DAB+ (RA-X722DAB ONLY)

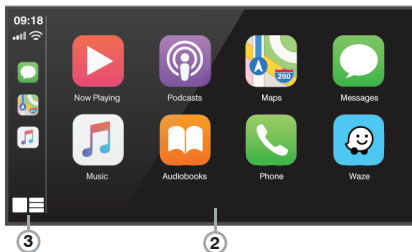


①	★	Favourite - You can save multiple favourites. Just press the star below the station icon to save it
②	≡★	Press "Favourite" and you will see the favorites you have saved.
③	⏮⏭	Go to the next or previous station
④	🔍	Retune DAB/DAB+ stations
⑤		DAB/DAB+ Announcements

Apple CarPlay

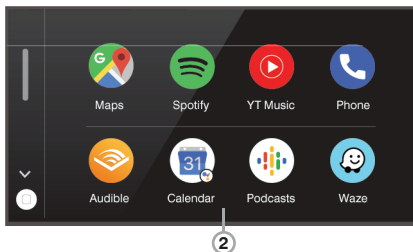


APPLE CARPLAY OPERATING INSTRUCTIONS



①		Connect your device with a lightning cable via the USB port or via Bluetooth to access the Apple CarPlay screen
②		Swipe the Apple CarPlay screen left and right to access other available apps
③	☰	Touch to access split screen apps.
		You can operate iPhone applications with finger gestures such as tapping, dragging, scrolling, or flicking on the Stereo screen
	⚠	Compatible iPhone models: For details about compatibility of iPhone models please visit http://apple.com/ios/carplay . The compatible finger gestures vary depending on the application for the iPhone. Certain uses of the iPhone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked and the engine is off. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

ANDROID AUTO OPERATING INSTRUCTIONS



①	Connect your device with a cable via the USB port or via Bluetooth to access the Android Auto screen.
②	Swipe the Android Auto screen left and right to access other available apps.
	You can operate Android applications with finger gestures such as tapping, dragging, scrolling, or flicking on the
⚠	Compatible Android models: For details about compatibility of models please visit http://support.google.com/androidauto. The compatible finger gestures vary depending on the application. Certain uses of the Android Auto may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked and the engine is off. No feature should be used unless it is safe to do so under the driving conditions you are experiencing. For Android Auto to work, you need to ground the pink cable labelled "PARK". Otherwise, Android Auto will not load. This is a built-in safety feature common on all aftermarket head units with Android Auto.

Other Features

APPLICATIONS



The stereos built on their core functionality by expanding compatibility and enhancing in-car convenience. Both the RA-X722DAB and RA-X622BT officially support the Road Angel Halo Playback app, enabling smooth integration with compatible dash cameras. This allows drivers to operate their dash camera directly through the stereo interface, reducing the need to handle a phone.

With the app mirrored onto the stereo's larger display, users can easily review recorded footage in greater detail, manage files, and adjust camera settings on the go. This added functionality not only improves accessibility but also enhances safety by keeping controls centralized within the dashboard. Combined with their existing wireless connectivity and customizable audio features, these stereos offer a more comprehensive and user-friendly driving experience.

The stereos also allow for the usage of media applications such as Netflix and YouTube*, which require an active internet connection along with a GPS signal, and the vehicle must be stationary before playback is enabled. This ensures that drivers are not distracted while the car is in motion, prioritizing safety on the road. Additionally, these systems often integrate with smartphones, allowing users to stream content, access navigation tools, and use voice commands for a more seamless and hands-free experience. As in-car technology continues to evolve, these stereos are becoming central hubs for both entertainment and connectivity, enhancing comfort and convenience for passengers during travel.

It is also possible to install/update applications found on the Google Play Store*.

*CAN ONLY BE USED ON FIRMWARE EQUAL TO OR NEWER THAN: XYZ

Installation Guide ¹

INTRODUCTION

It is not practical for us to print a full installation guide for every vehicle as there are thousands of variations. We advise this installation is carried out by an experienced car audio installer.

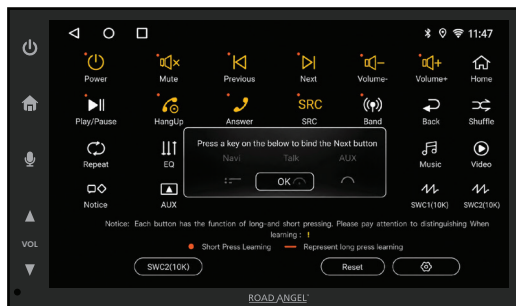
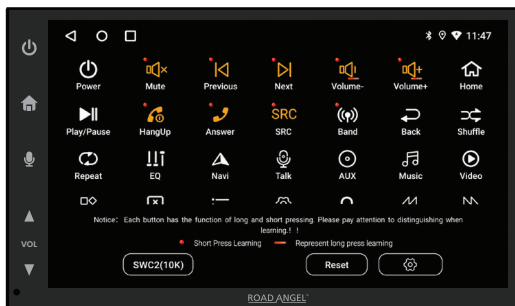
You may need a fitting kit for your vehicle, below is an example of such which fits a VW Transporter T6 2015 2019. The reason you may need a fitting kit is due to the vehicle specific connects not being ISO connections so they may need adapting. Please consult your local car audio specialist or retailer to obtain such parts



The Road Angel RA-X stereos are standard 2-DIN size and have ISO connections. This means the stereo will fit any aftermarket parts using ISO components.

Installation Guide ²

STEERING WHEEL CONTROLS

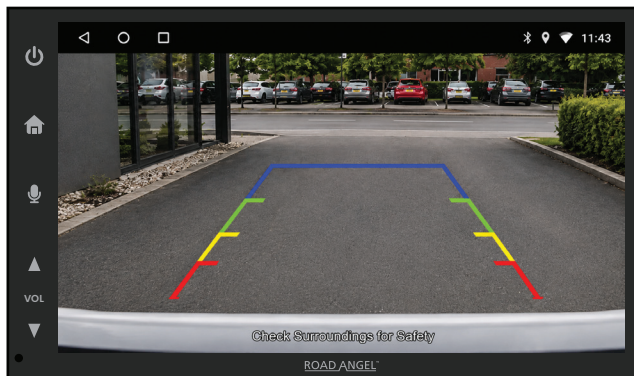


①	Press "Reset"
②	Press the function you want to program
③	When a popup with the function shows, press the button on the steering wheel you would like to program.
	Quick Tip: Some vehicle command signals to the stereo are weaker than others. If you have trouble mapping controls. Please change the "SWC Resistance" to "High". This is located in the previous menu.

Installation Guide ³

REVERSING CAMERA

“The Road Angel stereo accepts all reversing cameras with a standard yellow video connector.”



How to connect a Front or Rear camera:

①	Connect your camera video feed into the desired input which is located at the rear of the unit
②	Connect your camera 12V power feed to the +12V and -12V cables depending on if its front or rear camera
③	Connect your reversing camera trigger to the Purple cable on the rear of the stereo – this only applies to the reversing camera

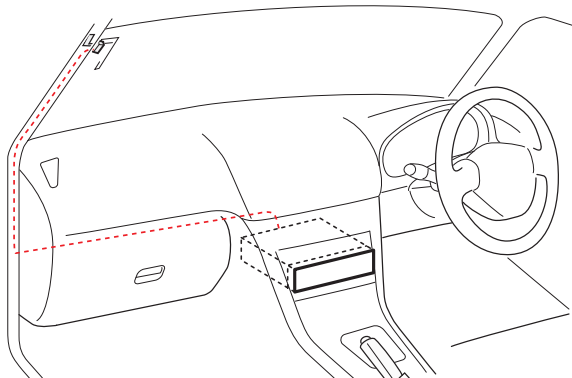
Installation Guide ⁴

DAB ANTENNA INSTALLATION

Fitting Instructions ¹

Mounting and wiring the Road Angel Amplified DAB Antenna requires a degree of skill and experience and we advise it being installed by a professional. If you have problems during the installation, please consult your Road Angel dealer by calling 0330 320 3030.

The antenna should be installed on the passenger side for safety. The direction of the Windscreen Antenna will change depending on whether the Windscreen Antenna is installed on the right side or left side of the vehicle.



Disconnect the battery's negative terminal before installing the unit.

Installation Guide ⁵

DAB ANTENNA INSTALLATION

Fitting Instructions ²

Be sure to check the installation location of Vehicle Windscreen Antenna before installing as this cannot be reapplied to the windscreen once removed.

Do not install at the following locations:

- Where it may block driver's view.
- Where it may obstruct operation of safety devices such as air bags.
- On movable glass surfaces.

Signal strength will decrease at the following locations:

- On IR reflecting glass/mirrored glass film and thermal insulated glass.
- Where it overlaps another radio antenna.
- Where it overlaps window heating wires.
- At side/rear of vehicle (door, quarter, rear window).

Reception may decrease due to noise when the wipers, air con, or engine is turned on. It may also decrease depending on the direction of the broadcast station and that of the vehicle (antenna) direction.

It may not be possible to install on some type of vehicles.

Do not bend or damage the Vehicle Internal Windscreen Antenna.

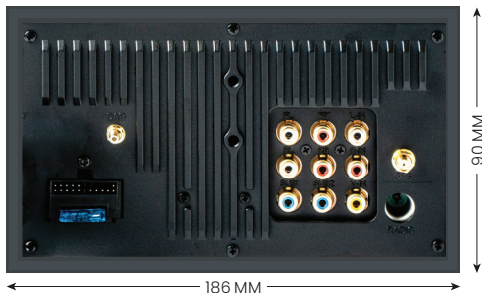
FAQs

FAQs AND TROUBLESHOOTING

Issue/Question	Solution
Unit keeps losing memory	Some vehicles have the permanent & switch live the wrong way. Swap the red & Yellow cable over in the ISO loom at the bullet connection.
Cannot get all steering wheel control functions	Not all functions can be retained when changing to aftermarket stereos. Please change "SWC resistance" to "high" to get the best possible function from the stereo.
Can I add Rear monitors to stereo?	Yes, use the "video out" connector on stereo.
Can I add Rear Camera?	Yes, this unit works with all major branded cameras.
Can I fit it myself?	DIY installation is not recommended. We advise you have this product installed by an experienced technician.

Dimensions

DIMENSIONS



Diagram

WIRING DIAGRAM



Fuse: 15 Ampere

Voltage: 12V DC,
Negative Ground

D: Radio Antenna

E: DAB Antenna

ISO Connector

A	Color	Function	B	Color	Function
1	Black	SWC-GND	1	Purple	RR+
2	Black	3.5mm Connector for SWC	2	Gray	FR+
5			3	White	FL+
3	Blue	Power Antenna	4	Green	RL+
4	Red	ACC	5	Purple/Black	RR-
6	Yellow	BATT	6	Gray/Black	FR-
7	Orange	ILL	7	White/Black	FL-
8	Black	GND	8	Green/Black	RL-

RCA Connector

C	Color	Function	C	Color	Function
1	White	Audio-Out FL	7	Blue	SUB-OUT1
2	Red	Audio-Out FR	8	Blue	SUB-OUT2
3	White	Audio-In L	9	Yellow	Video In
4	White	Audio-Out RL			
5	Red	Audio-Out RR			
6	Red	Audio-In R			

More Information

MORE INFORMATION

- **You should be protecting your vehicle with one of our dashcams.**

Scan the below QR codes for more information on these products.



- **Trouble with speeding? Protect your livelihood with our speed awareness devices now!**

Scan the below QR codes for more information on these products.





ROAD ANGELTM

RA-X722DAB & RA-X622BT DOUBLE DIN AV RECEIVER



Designed, engineered and manufactured by Road Angel Group DB House, Rani Drive,
Nottingham, NG5 1RF, United Kingdom RoadAngelGroup.com

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