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Product overview

The Aerpro FP9450BK VE Facia Installation Kit is Australian designed and engineered and has been made for fitting a double DIN aftermarket radio, CD or DVD player to the original double DIN enclosure. It suits VE series 1 dual climate models with full digital climate control. Compatible models for this kit are select SS variants and select HSV's.



Example of factory fitted dual zone stereo

NOTE

The FP9450BK is designed to fit vehicles with an open compartment. Vehicles with a 'LID' compartment will need to replace with either: Aerpro WC62 (Wireless Charging) or Aerpro WC62P (Panel Only)



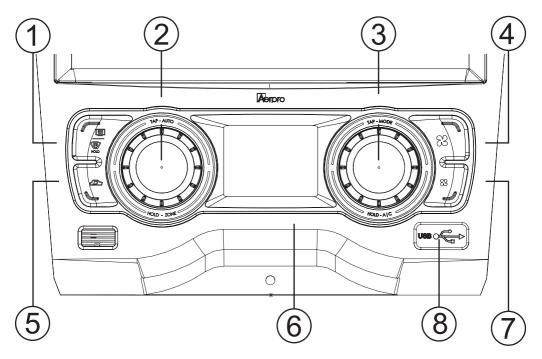


Inclusions





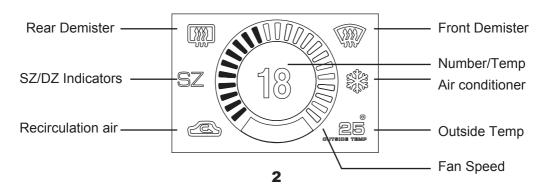
Product structure



- 1. Front/Rear demister air button
- 2. Left rotary dial button (Rotate, Tap, Hold)
- 3. Right rotary dial button (Rotate, Tap, Hold)
- 4. Fan speed UP

- 5. Recirculated air on/off button
- 6. LCD display information screen
- 7. Fan speed DOWN
- 8. USB charging and sync port

Screen display

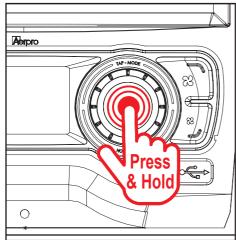






Turning air-conditioning ON/OFF

Once powered up, press and hold the right rotary dial button to turn the air-conditioner on. The LCD screen illuminates and air-conditioner icon (Snowflake) illuminates. Press and hold again to turn off. When turning on the air-conditioner the system will remember previous user settings.

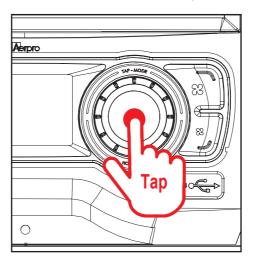






Positioning

To select different air positions in the vehicle tap the **RIGHT** rotary button. Positions are for the Head/Feet, Chest, Chest/Feet and Feet (See icons below).







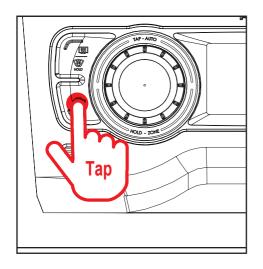




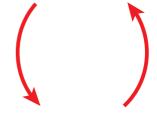


Recirculation/Air Passthrough button

Tap this button to cycle between Recirculation and Air Passthrough. The corresponding icon will illuminate.





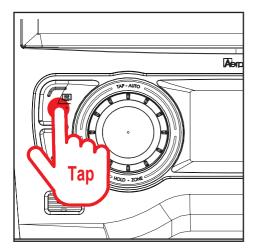




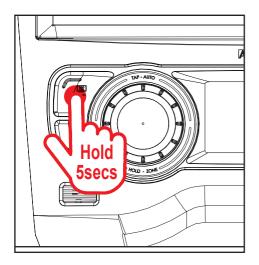


Front/Rear demister button

When air-conditioner is turned on tap this button to active **Rear Demister** or hold this button to activate the **Front Demister**.







Re-Calibrating your HVAC System

In the case that you may need to re-calibrate you heater valves or ducting positions. For exampe, your vents do not pass air through the correct vents or hot/cold does not feel correct.

Tap and hold the Front Demister button for 5seconds or more until you hear the actuators in the car begin to re-calibrate.

NOTE

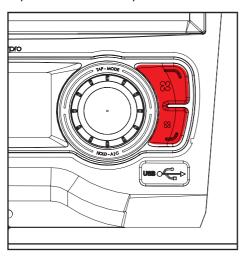
Turning on **Front Demister** will automatically turn on A/C



Fan speed

To adjust the fan speed tap on either of the two right buttons.

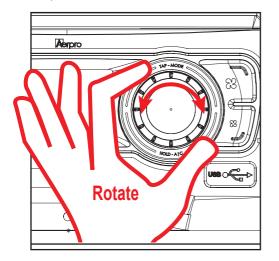
Top to increase fan speed and Bottom to lower fan speed.





Air-conditioner temperature

Turn the right rotary dial to the left or right to lower and raise the air-conditioner temperature. This is a numeric value from 15 (lowest) to 29 (highest).

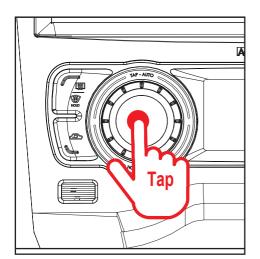


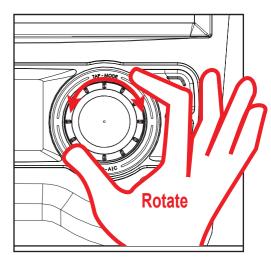




Automatic climate control

To activate auto climate mode, tap the left hand rotary dial and then set the target temperature by rotating the right hand rotary dial to the desired level. The fans speed, the vent temperature and the air flow direction is fully automatic and will adjust itself based on what it needs to get to the required level.







The temperature can be set between **16 and 29** when in **Climate Mode**.

NOTE

When the temperature is set to **16** or **29**. The **AUTO** symbol will turn off. This indicates the system will be running full **COLD** or full **HOT**



Automatic climate control continued

When in Auto mode (SZ or DZ), the system is equipped with 3 levels of fan speeds. Fan LOW, Fan MID and Fan HIGH



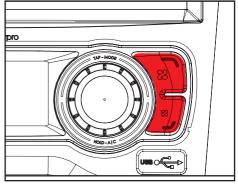
Fan LOW



Fan MID



Fan HIGH



To adjust the levels use **Fan Up** and **Fan Down**

NOTE

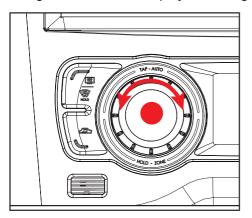
If you change the **Vents** while in **Auto Climate**, the vents will change, however the fan will remain on **AUTO** (AUTO Symbol will turn off).

If you change the **Air** speed above **FAN HIGH** or **FAN LOW** while in Auto Climate, the system will revert back to manual fan mode, however, the Vents will remain on AUTO (AUTO Symbol will turn off)



Dual Zone

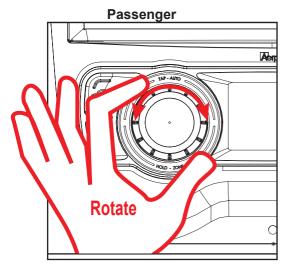
Holding or turning the **LEFT** rotary dial will activate Dual Zone. The SZ label will change to DZ and the display will change to a Dual Zone display

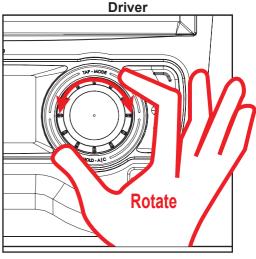




Adjusting Temperature

To adjust the temperature of each zone, rotate the dials. Left for passenger temperature and Right for drivers side temperature



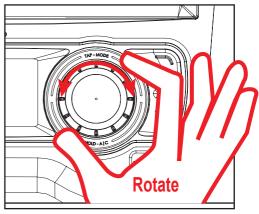




Dual Sync

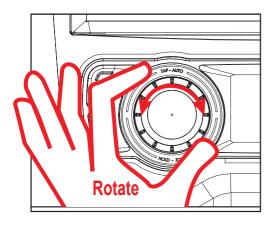
When the **Dual Zone** if first activated, the temp for **Driver and Passenger** will be in sync. While they are in sync, both temps can be adjusted by the drivers dial





Dual Zone

When the **LEFT** rotary dial is rotated, the passenger temp will be adjusted. Once this is done, **Dual Sync** will turn off and both temps can be adjusted independately

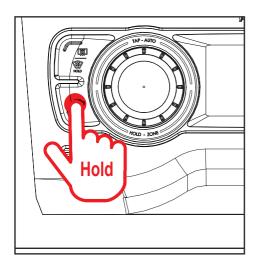






Anti-Pollution Mode

Anti-Pollution mode will automatically switch between Passthrough and Re-Circulation based on the vehicles speed. This is to avoid the vehicle drawing in unwanted fumes when travelling at low speeds





Activating Anti-Pollution Mode

To activate Anti-Pollution Mode, set the vehicle to Passthrough. Once set, hold the passthrough button for 5seconds and wait until you hear a Chime. The screens symbol will change as shown.

To deactivate Anti-Pollution Mode, hold the passthrough button for 5 seconds until you hear 4x Chimes, at which point the symbol will change back to normal

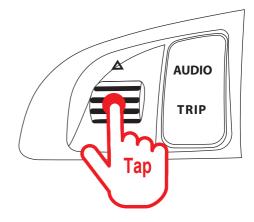




Steering Wheel Control (SWC)

The climate controls can also be controlled via the steering wheel controls. To activate the steering wheel mode tap the LEFT dial button. This will illuminate the steering wheel control symbol on the display



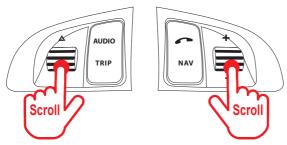


Single Zone

When in Single Zone the Left scroll wheel controls the fan speed and the Right scroll wheel controls temperature

Dual Zone

When in Dual Zone the Left and Right scroll wheels control the temperature settings. Left for Passenger temp and Right for Drivers temp.



Turning off Steering Wheel Controls

After '5' seconds of inactivity. The steering wheel controls will revert back to the aftermarket stereo and functionality will continue as normal

NOTE

If no Headunit patch lead is present. The SWC will default to climate controls



Parking Sensors

Parking sensors are retained if your vehicle had them fitted from factory. The screen will automatically display the parking sensors when the vehicle is in **Reverse** or if the vehicle is travelling less that **15km/h**

Front Sensors

The Front sensors are displayed at the top of the screen. There are 3 sections to indicate the Left, Middle and Right of the **Front** of the vehicle with each having 4 levels of sensor warnings displayed. This indicates how close to a collision the vehicle is



Rear Sensors

The Rear sensors are displayed at the bottom of the screen. There are 3 sections to indicate the Left, Middle and Right of the **Rear** of vehicle with each having 4 levels of sensor warnings displayed. This indicates how close to a collision the vehicle is



Display Example





REAR

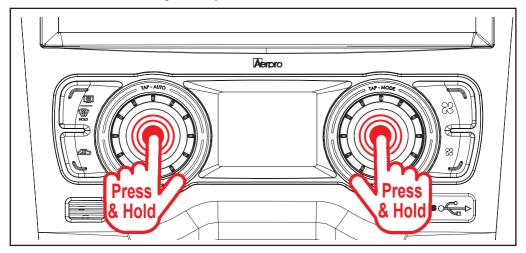




Resetting the system

In the case of the system locking up or not functioning correctly, the unit can be reset to factory settings.

Press & hold both left & right rotary knobs at the same time.



INSTALLATION





Before Installation

PLEASE READ BEFORE INSTALLATION

The system you are installing acts as a controller for your factory Heating/Cooling system.

To ensure correct functionality, please confirm the factory system is functioning correctly prior to installation.

This controller <u>WILL NOT</u> fix any prior issues with the Heating/Cooling system in the vehicle nor will it convert a <u>Single Zone</u> vehicle to <u>Dual Zone</u>.

To confirm the factory system is operational, follow the steps below.

- 1. Check Fan speed control
- 2. Check the Vents change correctly
- 3. Check the system changes temperatue correctly
- 4. Confirm Dual Zone seperates temperatures correctly

If the system is deemed to be operational, Please continue with your Installation



Tools Needed

Use the following tools to make dismantling the car and the installation of the new facia easier

1. Panel Remover



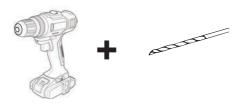
2. Phillips Head Screwdriver



3. Flat Head Screwdriver



4. Cordless Drill with 3/8" Drill Bit



5. Small Pick



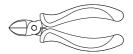
6. Electrical Tape



7. Cable Ties



8. Side Cutters





Remove right side dash trim

Insert a panel remover and lever towards you



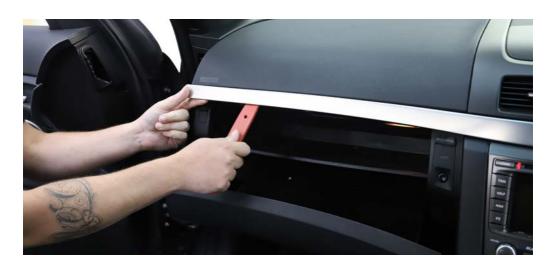
Remove right side dash trim
Place trim aside safely until trim reassembly





Remove left side dash trim

Insert a panel remover and lever towards yourself



Remove left side dash trim
Place trim aside safely until trim reassembly





Remove left side screw cover trim

Insert a panel remover or pick and unclip the left side screw cover



Remove boot button trim
Insert a panel remover or pick and unclip the boot button trim





Functions and settings

Remove left side dash end trim

Insert a panel remover and lever outwards to remove trim. Place trim aside safely until reassembly



Remove glovebox

Unclip the panel underneath the glovebox and place aside until reassembly





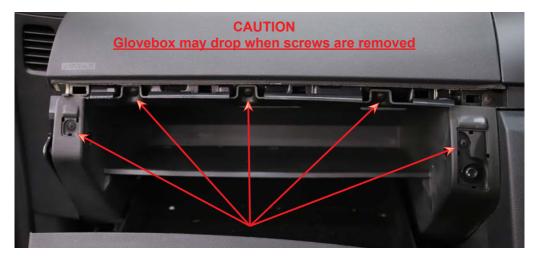
Remove glovebox

There are 2x screws to remove at the bottom of the Glovebox as indicated



Remove glovebox

There are 5x screws to remove from around the top of the glovebox





Remove glovebox

Once the glovebox is unscrewed, disconnect the connector at the rear to completely remove the glovebox from the vehicle



Remove glovebox

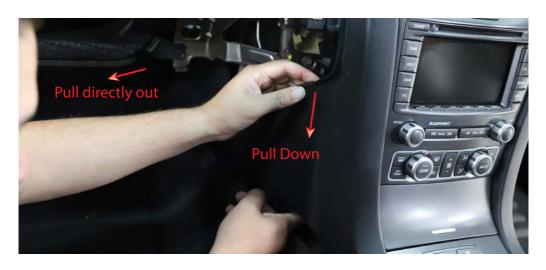
The connector sits behind a metal plate with a cutout to access the clip





Remove left side center console trim

The trim is held in with 2x clips. Remove the panel by unclipping as shown



Remove left side center console trim Once removed, place aside for reassembly





Disconnect Antenna

Most vehicles have 1x antenna connector. This vehicle has a dual diversity antenna connection as shown



Disconnect AntennaPress down on the top of the connector to remove from the headunit





Remove right side dash end trim

Insert a panel remover and lever outwards to remove trim.



Remove right side dash end trim
Place trim aside safely until reassembly





Remove under steering wheel cover

Insert a panel remover and lever downwards to remove trim remembering to do the same thing on the left side of the steering wheel as well



Remove under steering wheel cover

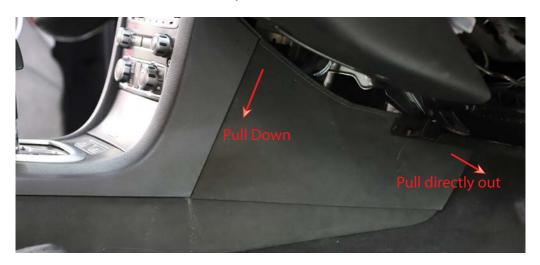
While unclipping, be sure to hold up the panel and not let it drop to protect the headlight switch connection





Remove right side center console trim

The trim is held in with 2x clips. Remove the panel by unclipping as shown. Place the trim aside until reassembly



Disconnect the factory radio connector

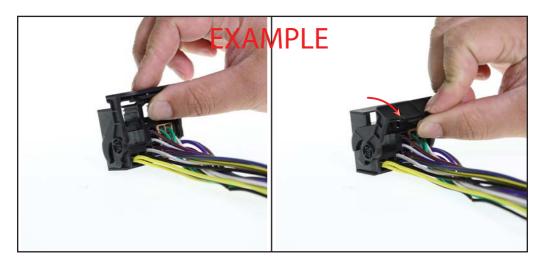
Now that the trims are removed, the factory stereo can be removed





Unplug the radio connector

To remove the connector, pinch the top clip and pull the handle backwards to release the connector



Unplug the radio connector

Once all connectors have been disconnected, the radio is free to be removed





Remove the factory radio face panel

The factory face panel is held on with 4x clips. Start by unclipping the bottom using your hands or panel remover, then unclip the top



Remove the factory radio face panel

You will feel the face panel come lose when the clips have released





Remove the factory radio

There are 4x screws to remove as indicated below



Bottom compartment with closing lid

If your vehicle is fitted with a center compartment with a closing lid, you may want to replace this with the non lid version (not supplied) with the following steps If this does not apply to you, skip to page 2-21





Replacing Compartment

Bottom compartment with closing lid

Using a panel remover, unclip the trim around the gear stick



Bottom compartment with closing lid Place the trim aside for reassembly





Replacing Compartment

Bottom compartment with closing lid

Using a panel remover, unclip around the window switches



Bottom compartment with closing lid

Continue unclipping the panel by working your way up until the panel is removed





Replacing Compartment

Bottom compartment with closing lid

Once the panel is able to be moved out of the way, you will have access to the bottom compartments screws



Bottom compartment with closing lidRemove the 2x screws holding in the bottom compartment





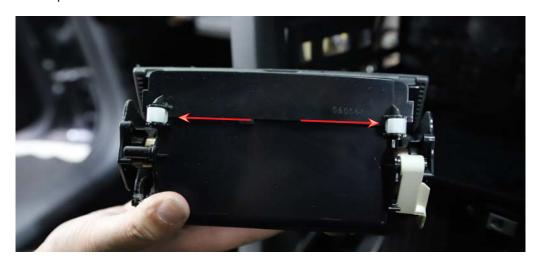
Replacing Compartment

Bottom compartment with closing lid

Once the screws are removed, the compartment is then only held in by 2x clips. Unclip the compartment and place aside



Bottom compartment with closing lid The clips are on the rear as shown





Replacing Compartment

Bottom compartment with closing lid

Clip the replacement compartment without the lid (Holden Part no. 92167863) in place (This is not supplied with this kit)



Bottom compartment with closing lidScrew it into place using the screws which were removed





Bottom compartment with closing lid

Re-Install the removed panels to complete the compartment swap



Mounting the new facia kit (continued)

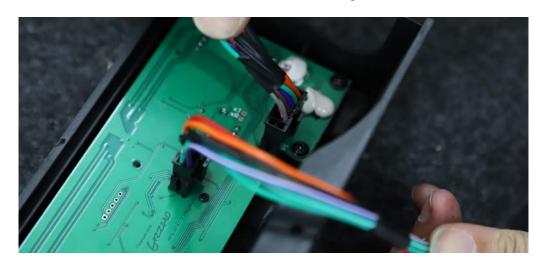
Now that the factory radio has been removed and the compartment swapped, you are free to begin installing the new radio. Remove the 2x screws shown below





Mounting the new facia kit

Before you mount the new kit into your vehicle, plug in the supplied harnesses to the rear of the facia. 1x Power harness and 1x Steering wheel control harness



Mounting the new facia kitConnect the supplied antenna adaptor to the factory antenna connector





Mounting the new facia kit

Feed all your wiring out of the front of the facia to ensure nothing is trapped behind.



Mounting the new facia kit

Push the kit into place and screw into place using the screws removed previously





Mounting the new facia kit

Pre drill the bottom mounting hole using a 3/8 drill bit and screw into place using the supplied screw



Mounting the new facia kit

Now that the new kit is mounted to the car, you can install the new headunit





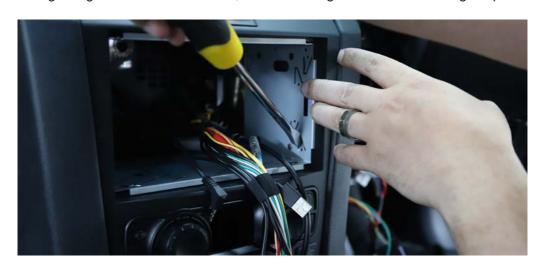
Mounting the new facia

Slide the mounting cage into place ensuring all the cables which will plug into the new radio are fed out the front



Mounting the new facia

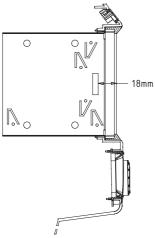
Using a large flat head screw driver, bend the triangle tabs to lock the cage in place

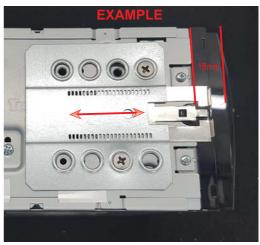




Mounting the new facia kit

The mounting brackets have spring locators that lock into cut outs in the cage. Knowing that the cage cut outs are 18mm back from the edge of the facia trim will help you determine where to mount the brackets





Mounting the new facia kit

Align the bracket on the headunit and then set the depth using the slider clip depending on how you want the stereo to look in the facia





Testing the system before completing installation

Once the brackets are mounted, slide the headunit into the cage, but not the whole way



Testing the system before completing installation
Connect the quadlock connectors together and turn the key to 'Ignition'





Completing installation

Once fully powered, check the functionality of the stereo and the facia kit



Testing the system before completing installation

When the kit is first powered up, it is best to do a hard reset by pushing both dials in together. If all is functioning correctly, you are free to complete the installation





Completing installation

Push the headunit in until the brackets clip into place, then insert the supplied trim



Completing installation

Reassemble the vehicles trims in the reverse order to the disassembly to finish the installation





Technical assistance

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support. Australia

TEL: 03 - 8587 8898

FAX: 03 - 8587 8866



Mon-Fri 9am – 5pm AEST

Please retain this user guide for future reference.

If you would like to download a digital copy of this manual, please visit the product page http://aerpro.com/FP9450BK and click on 'Manual' to download.

This manual has been proof read by Max Carter and is considered correct at time of printing but is subject to change.

For latest manuals and updates refer to the website.

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