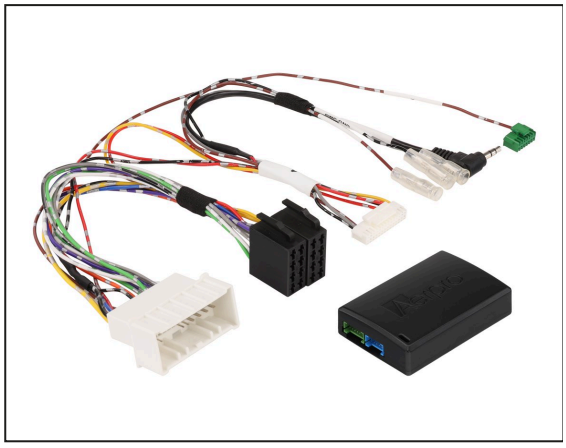
Steering Wheel Control Interface

To suit Hyundai & Kia

ASHY5C

Steering wheel controls

*If originally fitted. Also provides park brake, reverse and speed signal (VSS) outputs.



Vehicle Fitment

This interface suits 15 vehicles. See the full fitment list on the next page.

Before you start: read this manual in full. Installation needs technical knowledge. Your head unit must be SWC compatible, and steering wheel functions may differ from the factory functions. Always disconnect the module before changing any DIP switch.

Installation Steps

Complete these six steps in order to finish the installation.

1	2	3	4	5	6
Set vehicle DIP switches	Set stereo DIP switches	Connect the interface	Connect the amplifier	Set amplifier level	Set up your head unit

Vehicle Fitment

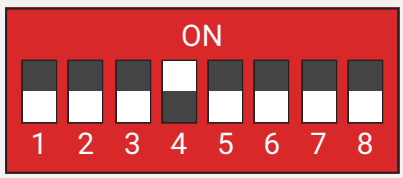
This interface suits the vehicles below.

Vehicle	Year
Hyundai Accent	2006 - 2008
Hyundai Elantra	2006 - 2010
Hyundai iLoad (EQ Button)	2008 - 2010
Hyundai iMax (EQ Button)	2008 - 2010
Hyundai Santa fe	2006 - 2009
Hyundai Grandeur	2006 - 2010
Hyundai Sonata	2006 - 2008
Kia Carnival	2006 - 2010
Kia Cerato	2007 - 2008
Kia Grand Carnival	2006 - 2010
Kia Magentis	2006 - 2010
Kia Rio	2005 - 2011
Kia Rondo	2008 - 2012
Kia Sorento	2003 - 2008
Kia Sportage	2005 - 2009

1 Set the vehicle DIP switches (1 to 8)

Disconnect the module before changing any DIP switch. DIP switch: ON OFF

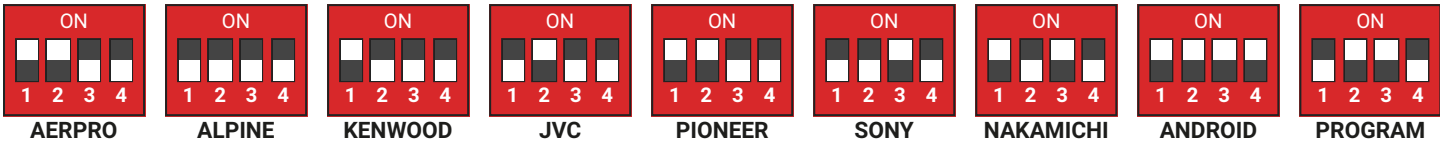
ALL VEHICLES



Switch 4 ON, all others OFF

2 Set the stereo DIP switches (1 to 4)

Set switches 1 to 4 for your head unit brand.



Not listed? Use **Program** and set up SWC Learning in your head unit (see Step 6).

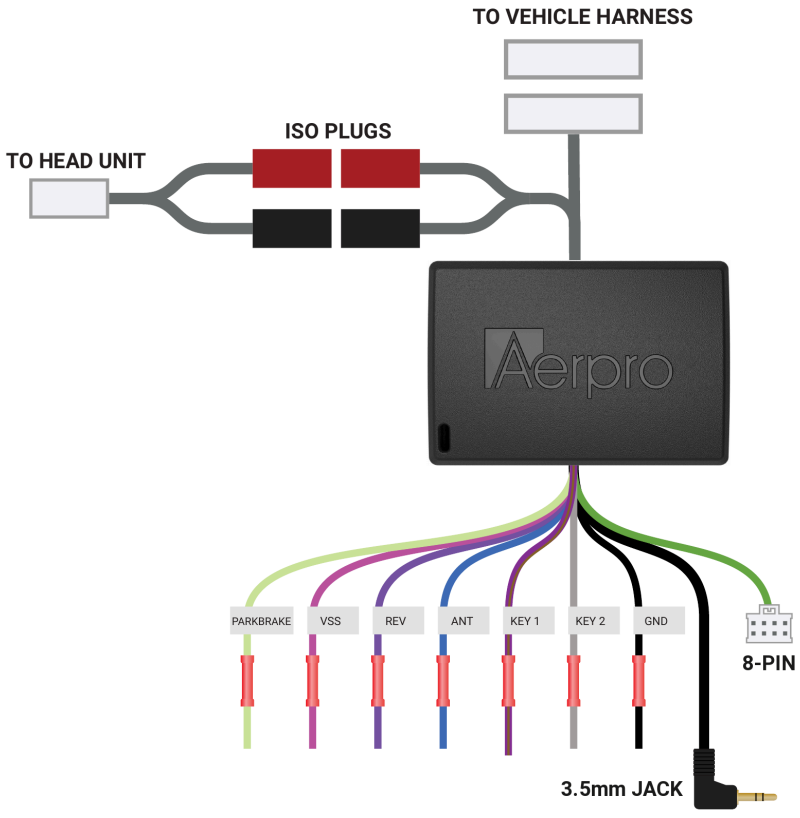
3 Connect the interface

Connect the vehicle plug and ISO plugs, then use the SWC connection that matches your head unit. Most head units only need one.

Your head unit	Connect
Aerpro AM905D, AM1005D, Pioneer DMH-AP6650BT	**8-pin connector and 3.5mm jack**
Aerpro (other), Alpine, Pioneer, Sony, Nakamichi	**3.5mm jack** to the head unit SWC input
Kenwood, JVC	**Key 1 lead** to the SWC wire (SWC function only)
Android head units, Nakamichi Android, Alpine INE-AW409S, INE-AX809	**8-pin connector** (or Key 1, Key 2 and GND)
No plug-in SWC input	**Key 1 lead**, plus Key 2 and GND if needed

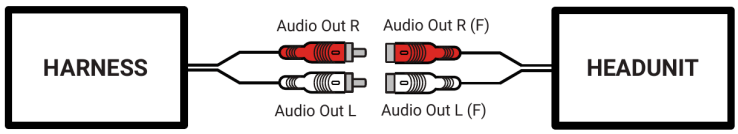
Kenwood 8-pin: a separate Kenwood adaptor is needed for UART functionality.

Step 3 wiring diagram

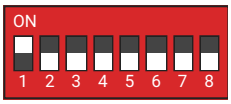


4 Connect the factory amplifier (If applicable)

Complete Steps 4 and 5 if your vehicle has a factory amplifier. Connect the harness Audio Out R and L leads to the head unit RCA pre-outs.



5 Set the factory amplifier level (If applicable)



a. With the module disconnected, set the DIP switches to amplifier setup mode: switch 1 ON, all others OFF.

b. Reconnect the module and turn the ignition ON. Use the steering wheel Volume UP / DOWN buttons to adjust the factory amplifier level until you reach the sound level you want.

c. Disconnect the module and return the DIP switches to your vehicle setting from Step 1. Reconnect. Your amplifier setup is complete.

6 Set up your head unit

Find your head unit brand below and follow the setup for it.

Head unit	Setup
Aerpro Incl. AM905D, AM1005D, AM9X, AM10X	• **3.5mm jack:** set stereo DIP switches to 1-ON, 2-ON, 3-OFF, 4-OFF. Go to Settings > Steering Wheel Control > With Adapter. • **8-pin adaptor:** reset the unit > select Hiworld > select vehicle type > program SWC as shown on screen. Factory vehicle info will display.
Alpine, JVC, Kenwood	Work straight away, no setup needed.
Nakamichi	Presets: NA3615 (W7, W9, WX, M9, MX), NA3510-M7, NA3625 (W6, WUX).
Pioneer Other models	Settings > Steering Wheel Control > With Adapter.
Pioneer Incl. DMH-AP6650BT	• **3.5mm jack:** set stereo DIP switches to 1-ON, 2-ON, 3-OFF, 4-OFF. Go to Settings > Steering Wheel Control > With Adapter. • **8-pin adaptor:** reset the unit > select Hiworld > select vehicle type > program SWC as shown on screen. Check the Pioneer website for compatibility.
Sony	Settings > General > Steering Control > Preset. If Preset doesn't work, set stereo DIP switches to 1-OFF, 2-ON, 3-ON, 4-OFF and use Custom.
Android head units Incl. Aerpro AM1205D, Alpine INE-AW409S, INE-AX809, Nakamichi Android	Connect the 8-pin (CANBUS) plug, or Key 1, Key 2 and GND. • **With CANBUS:** set stereo DIP switches to Android > Factory Settings. Alpine password 1967. Nakamichi password 1948, then select Hiworld as provider and choose vehicle type. • **Without CANBUS:** set stereo DIP switches to Program > select SWC Learning in the head unit menu.

Final Check

With the ignition ON, check everything works before refitting the dash.

- [ ] Each steering wheel button works
- [ ] Volume works through the factory amplifier (if fitted)
- [ ] Reverse camera shows in reverse (if fitted)
- [ ] Radio reception is clear
- [ ] USB and AUX play (if fitted)

Scan to view ASHY5C on aerpro.com
aerpro.com/ashy5c

Technical Support

Need help setting up or using your Aerpro product? Call Aerpro Support Australia on **03 8587 8889**, Monday to Friday, 9am to 5pm AEST. Download a digital copy of this manual and other Aerpro manuals and software at **aerpro.com**.