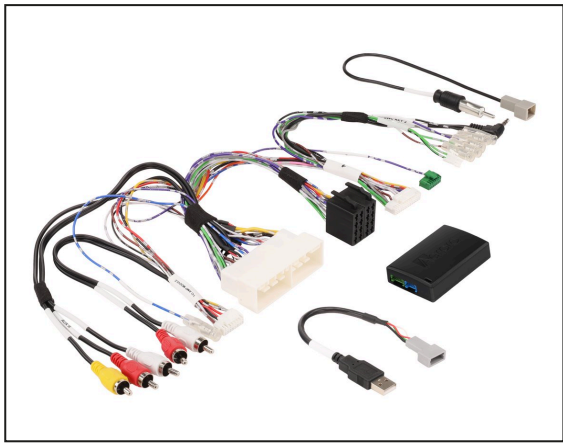
Steering Wheel Control Interface

To suit Hyundai & Kia

ASHY16C



Steering wheel controls | Reverse camera* | USB* | Antenna

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

Vehicle Fitment

Find your vehicle and note its DIP setting (A or B). You'll need it in Step 1.

Vehicle	Year	DIP setting
Hyundai i30	2017 - 2023	A
Hyundai iLoad	2018 onwards	A
Hyundai iMax	2018 onwards	A
Hyundai Kona (Standard)	2017 - 2022	A
Hyundai Tucson	2018 - 2020	A
Kia Cerato	2019 - 2021	A
Kia Soul (Standard)	2015 onwards	A
Kia Rio	2017 - 2023	A
Kia Sportage (Standard)	2015 - 2018	B
Kia Sportage (Standard)	2019 - 2021	B

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

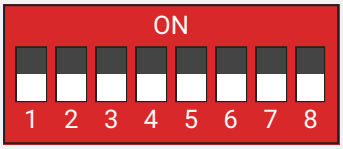
1 Set the vehicle DIP switches (1 to 8)

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

Use the setting for your vehicle from the fitment table.

A

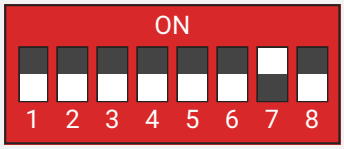
i30, iLoad, iMax, Kona, Tucson, Cerato, Soul and more



All switches OFF

B

Kia Sportage (Standard) 2015 - 2018, Kia Sportage (Standard) 2019 - 2021



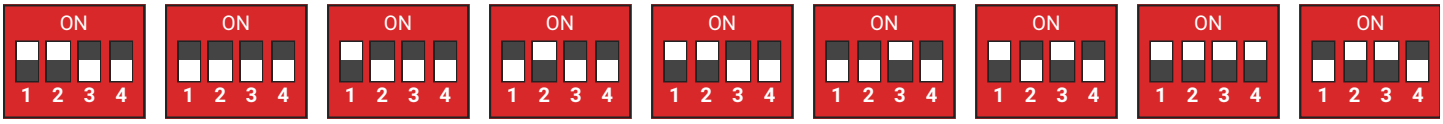
Switch 7 ON, all others OFF

NOTE

- If Previous/Next Track is reversed on the steering wheel controls, switch DIP switch 3 to ON.
- If Driver/Passenger Dual Zone HVAC controls are displayed in reverse orientation within the Climate menu, switch DIP switch 4 to ON.

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).

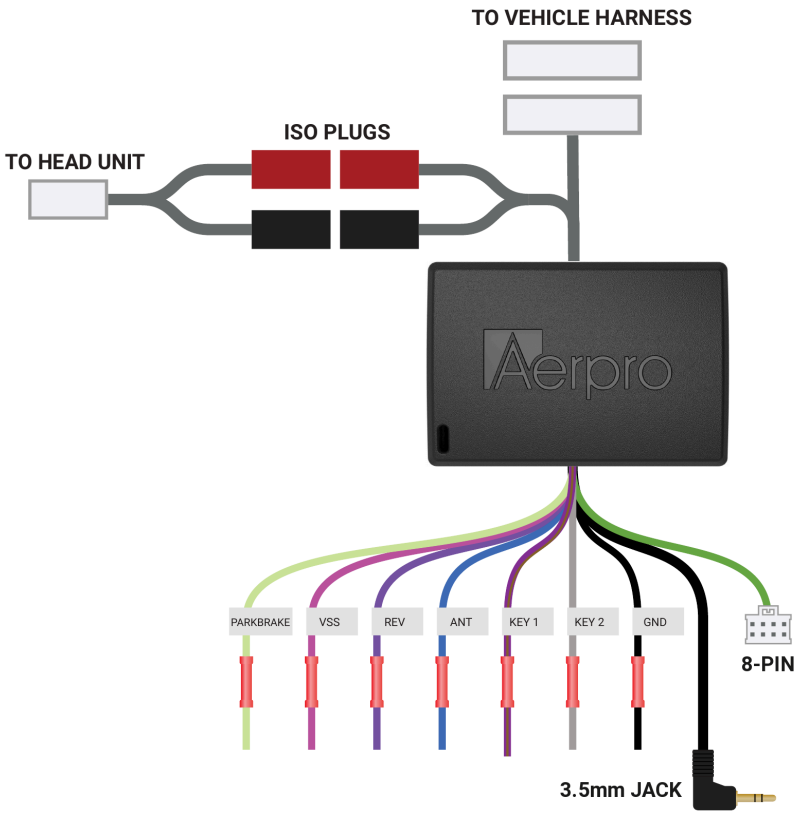
3 Connect the interface

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

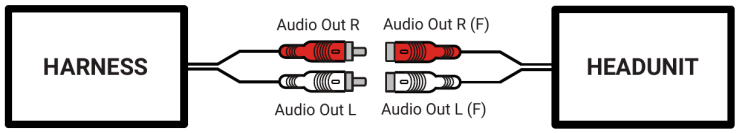
Kenwood 8-pin: a separate Kenwood adaptor is needed for UART functionality.

Step 3 wiring diagram



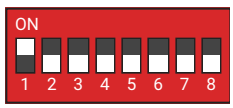
4 Connect the factory amplifier (If applicable)

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 (Setting A or B). 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 ASHY16C on aerpro.com
aerpro.com/ashy16c

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**.