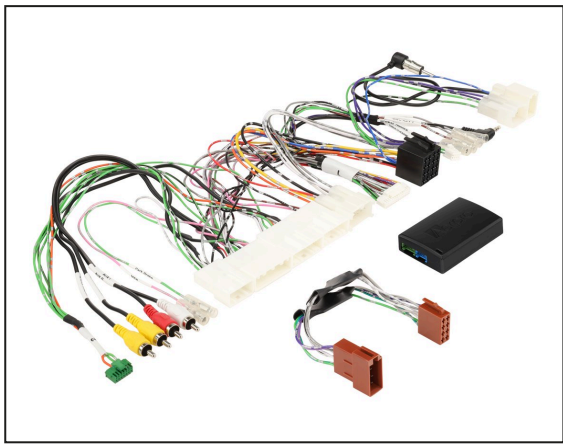
Steering Wheel Control Interface

To suit Subaru & Toyota with factory Harman Kardon or JBL amplifier

ASSU16C



Steering wheel controls | Factory amplifier* | Reverse camera* | Antenna

*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 four steps in order to finish the installation.

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

Vehicle Fitment

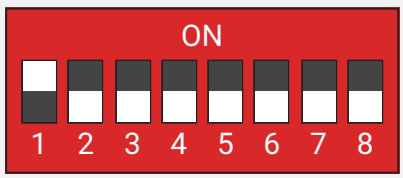
This interface suits the vehicles below.

Vehicle	Year
Subaru Forester (Harman Kardon)	2015 - 2018
Subaru Levorg (Harman Kardon)	2016 - 2020
Subaru Impreza (Harman Kardon)	2015 - 2016
Subaru Liberty (Harman Kardon)	2015 - 2017
Subaru Outback (Harman Kardon)	2015 - 2017
Subaru WRX (Harman Kardon)	2015 - 2018
Subaru XV (Harman Kardon)	2016 - 2017
Toyota Aurion	2012 - 2018
Toyota Camry	2012 - 2017
Toyota Fortuner (W/Factory JBL or Amplified)	2015 - 2020
Toyota Hilux (W/Factory JBL or Amplified)	2015 - 2020
Toyota Kluger (W/Factory JBL or Amplified)	2014 - 2019
Toyota Prado (W/Factory JBL or Amplified 360° Camera)	2014 - 2017
Toyota Prado	2017 - 2020
Toyota Rav 4 (W/Factory JBL or Amplified 360° Camera)	2013 - 2018

1 Set the vehicle DIP switches (1 to 8)

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

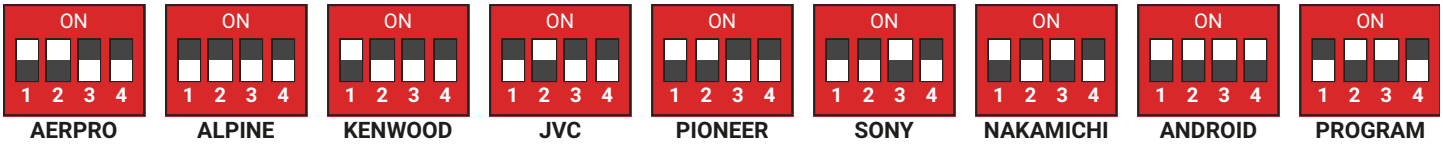
ALL VEHICLES



Switch 1 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 4).

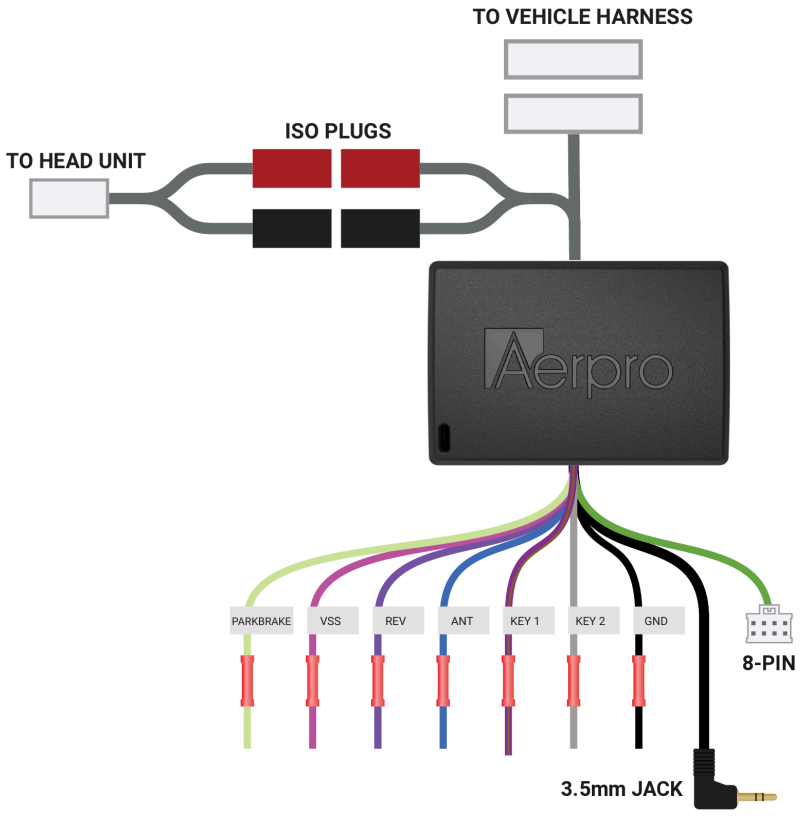
3 Connect the interface

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 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.

Factory 360° Camera Control (If applicable)

When the vehicle is in factory 360° camera mode, press the MODE and PREVIOUS buttons on the steering wheel to change the camera view.

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 ASSU16C on aerpro.com
aerpro.com/assu16c

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**.