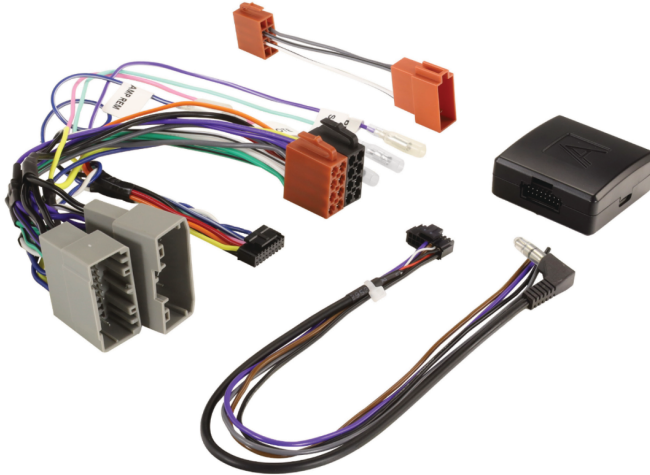


SWCH3C

RETENTION OF VEHICLE FACTORY STEERING WHEEL CONTROLS TO SUIT CHRYSLER, JEEP & DODGE VEHICLES



USER MANUAL

To Suit CHRYSLER

200/CONVERTIBLE	2011-2014
300/C	2005-2010
ASPEN	2007-2010
SEBRING/CONVERTIBLE	2007-2010
PT CRUISER	2006-2010
TOWN & COUNTRY	2008-2016

To Suit DODGE

AVENGER	2007-2013
CALIBER	2007-2012
CARAVAN	2008-2016
CHALLENGER	2009-2013
CHARGER	2006-2010
DAKOTA	2008-2010
DURANGO	2004-2012
JOURNEY	2009-2010
MAGNUM	2005-2009
NITRO	2007-2010
RAM/MEGA CAB	2006-2012

To Suit JEEP

COMMANDER	2006-2010
COMPASS	2007-2016
GRAND CHEROKEE	2005-2013
LIBERTY	2008-2012
PATRIOT	2007-2016
WRANGLER/UNLIMITED	2007-2016

KEY FEATURES

- RETAIN STEERING WHEEL CONTROL FUNCTIONALITY
- REPLACE FACTORY RADIO
- OUTPUTS FOR SPEED PULSE, PARK BRAKE, REVERSE & AMP REMOTE
- WORKS WITH BOTH CONNECTOR VARIANTS
- ISO PASS THROUGH LEAD FOR VEHICLES WITH OEM AMP
- SOFTWARE UPDATEABLE
- REMAPPABLE BUTTONS

This harness allows for the retention of the steering wheel controls as well as other vital features when installing an aftermarket unit into a vehicle. This interface features selectable dipswitches for dedicated applications, simply refer to the provided table for the correct configuration ensuring seamless integration. Installation requires a certain level of technical knowledge. Prior to installation please read this manual in its entirety.

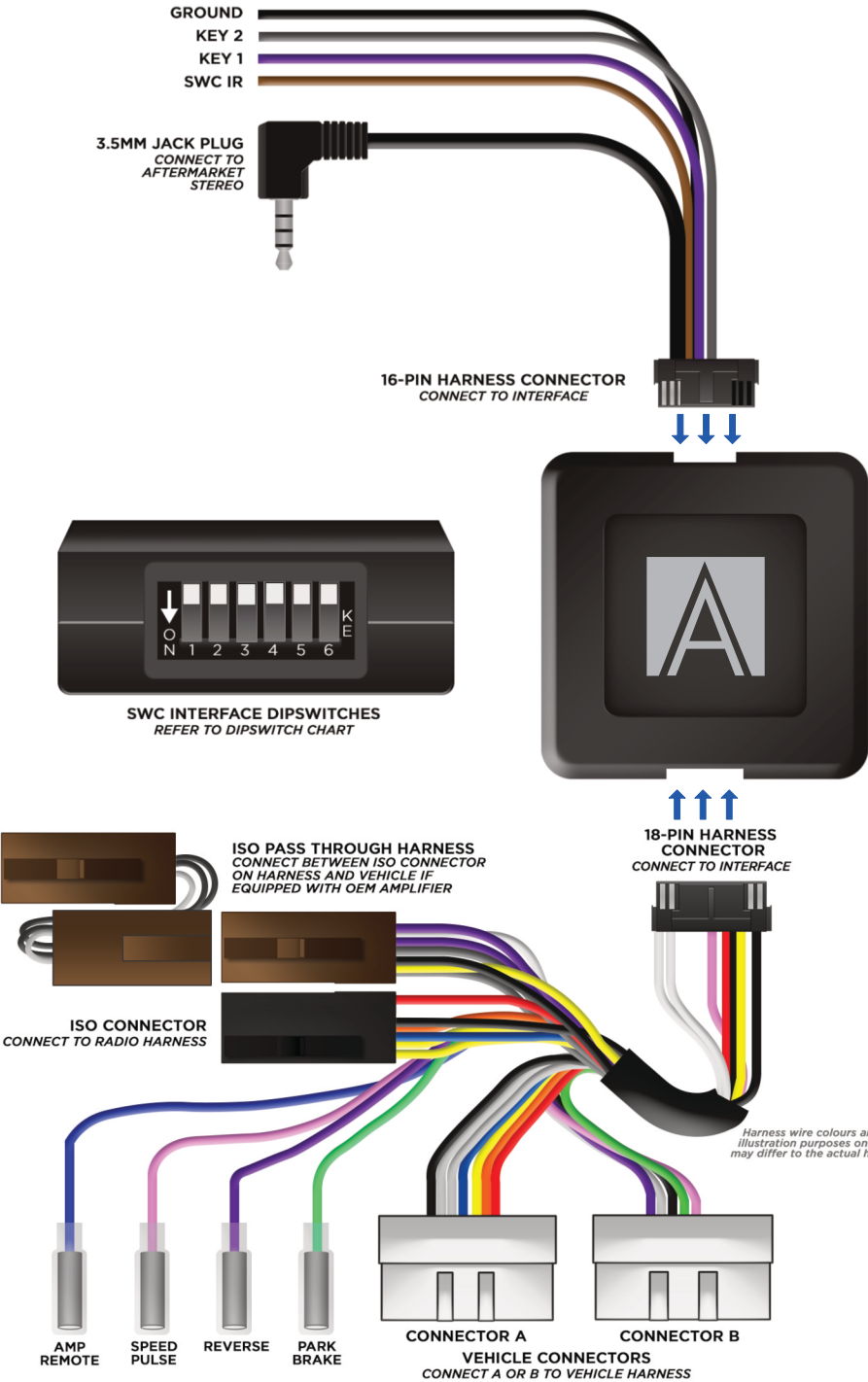
It is essential to use the correct tools during installation to prevent any damage to the vehicle or the product itself.

Please note that we cannot be held liable for any issues arising from improper installation.

Before proceeding with installation, disconnect the negative battery terminal and ensure the key is removed from the ignition.

CONNECTION DIAGRAM

HEADUNIT PATCH LEAD
SWC INTERFACE
SWC VEHICLE HARNESS



CONNECTION GUIDE

INSTALLATION PROCESS

1. Take the module and attach the 16-pin patch lead connector for steering wheel control retention, then make the required connections to the aftermarket head unit.

Different stereo brands might use different ways to connect, like a 3.5mm jack, an SWC IR wire, or two wired inputs (KEY1 and KEY2). If you're unsure, check your stereo's manual for details, or look for labels on the stereo cables.

2. Connect the 18-pin connector for power and steering wheel controls from the vehicle.

3. Connect the ISO to the head unit or Aerpro head unit specific harness.

4. Plug in the car-specific leads from the main interface harness to the matching connectors in your vehicle.

Depending on the vehicle not all connectors from the factory head unit will be used.

5. If your interface has extra leads connect them to the back of the aftermarket head unit's specific harness.**

6. Attach the antenna adapter to the vehicle's existing antenna port from the back of the factory head unit. **

7. If you're interface has reverse camera retention, connect the yellow male RCA cable from the interface to the female RCA port on the rear of the aftermarket head unit. **

8. If you're aftermarket head unit requires a DAB antenna, plug the DAB antenna connector the head unit.

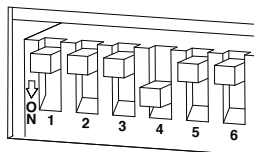
9. After connecting all cables and extra parts, make sure to test the stereo and the steering wheel controls before putting

*** PHONE BUTTONS RETAINED WITH COMPATIBLE AFTERMARKET HEAD UNITS.**

**** MAY NOT BE REQUIRED FOR YOUR VEHICLE / HEAD UNIT FITMENT.**

SETTING THE DIPSWITCHES

This interface includes a set of dipswitches. Consult the dipswitch selection guide to select the appropriate configuration. To activate a dipswitch, press it downward into the 'ON' position. Refer to the diagram for an example of the 'AERPRO' dipswitch configuration.



BUTTON REMAPPING

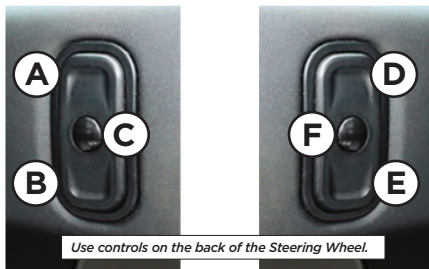
The steering wheel buttons listed offer the flexibility of being re-configured or assigned dual functions. The availability of these buttons depends on the specific vehicle to which the interface is being installed and if the aftermarket radio supports them.

In addition to button remapping, we offer the option to assign dual functions to each button on the steering wheel. This means that every button can be programmed to execute both a short press command and a long press command.

You can also add your own bespoke configuration. Button configuration can be done by PC, MAC and smart phone via the USB port.

Button Remapping instructions can be found in a separate guide on our website (<https://aerpro.com/remapper>).

STEERING WHEEL CONTROL CONFIGURATION



A Volume Up

B Volume Down

C Source

D Track Up

E Track Down

F Preset

G Pick Up / Hang Up

H Voice Control

The provided diagram, while meticulously researched, serves as an example only. Actual steering wheel control configurations may vary dependant on each vehicle.

DIPSWITCH CONFIGURATION

MANUFACTURER	DIPSWITCH CONFIGURATION						CONNECTION TYPE
	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	
AERPRO (3.5MM JACK)	OFF	OFF	ON	ON	OFF	OFF	3.5MM JACK
AERPRO (THREE WIRE)	OFF	ON	ON	OFF	OFF	OFF	KEY1 / KEY2 / KEY GND WIRES
ALPINE	OFF	ON	OFF	OFF	OFF	OFF	3.5MM JACK
CLARION	ON	OFF	OFF	ON	OFF	OFF	3.5MM JACK
GRUNDIG	OFF	ON	OFF	ON	OFF	OFF	BROWN SWC
JVC	OFF	OFF	ON	OFF	OFF	OFF	BROWN SWC
KENWOOD 1	ON	OFF	OFF	OFF	OFF	OFF	BROWN SWC
KENWOOD 2	ON	ON	OFF	OFF	OFF	OFF	BROWN SWC
PHILIPS	OFF	ON	OFF	ON	OFF	OFF	BROWN SWC
PIONEER 1	OFF	OFF	OFF	ON	OFF	OFF	3.5MM JACK
PIONEER 2	OFF	OFF	ON	ON	OFF	OFF	3.5MM JACK
SONY	ON	OFF	ON	ON	OFF	OFF	3.5MM JACK
CUSTOM	ON	OFF	ON	OFF	OFF	OFF	HEAD UNIT DEPENDANT
ANALOG SINGLE EXTEND	ON	ON	ON	ON	OFF	OFF	BROWN SWC
ANALOG SINGLE WIRE	ON	ON	ON	OFF	OFF	OFF	BROWN SWC
KEY1 / KEY2 / KEY GND WIRES	OFF	ON	ON	OFF	OFF	OFF	KEY1 / KEY2 / KEY GND WIRES
KEY1 / KEY2 / KEY GND EXTEND	OFF	ON	ON	ON	OFF	OFF	KEY1 / KEY2 / KEY GND WIRES
RESERVED	OFF	OFF	OFF	OFF	OFF	OFF	SOFTWARE UPDATE MODE

DIPSWITCH 5 & 6

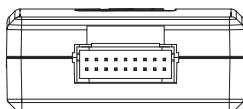
Dipswitch 5 & 6 are reserved for vehicle specific configuration.

KEY1 and KEY2	KEY1 and KEY2 are specifically tailored for analog learning mode-style radios. Our SWC module is designed with a resistor chain that precisely matches the required resistance for seamless compatibility with this type of head unit.
KEY1 and KEY2 EXTEND	This mode extends every button press to 2 seconds during the learning process. However, with roll over wheel-designed steering wheel buttons, holding for 2 seconds isn't feasible. Our KEY1 and KEY2 extend feature addresses this by automatically prolonging each press, simplifying head unit programming even in such scenarios. Extend mode is not intended for normal use, it is only used in the teaching process.
ANALOG SINGLE WIRE and ANALOG SINGLE WIRE EXTEND	This function operates similarly to KEY1 and KEY2 but transmits all unique values through the IR SWC single wire. This is crucial for compatibility with learning-style head units featuring only one learning input wire. To ensure compatibility, we've incorporated this feature into our steering wheel control interface, ensuring seamless operation across various head unit setups. The Analog Extend mode functions identically to its counterpart within the KEY1 and KEY2 system but transmits through a single wire.

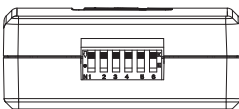
* PHONE BUTTONS RETAINED WITH COMPATIBLE AFTERMARKET HEAD UNITS.

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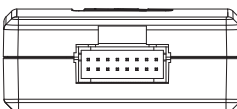
STEERING WHEEL CONTROL MODULE



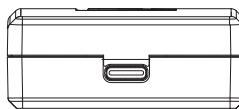
18 PIN HARNESS CONNECTOR



DIPSWITCHES



16-PIN HEAD UNIT CONNECTION LEAD



USB-C

TECHNICAL SUPPORT

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

TEL: 03 8587 8898 MON-FRI 9AM – 5PM AEST. If you would like to download a digital copy of this

manual, or other Aerpro manuals/software, please visit the <http://aerpro.com> website.