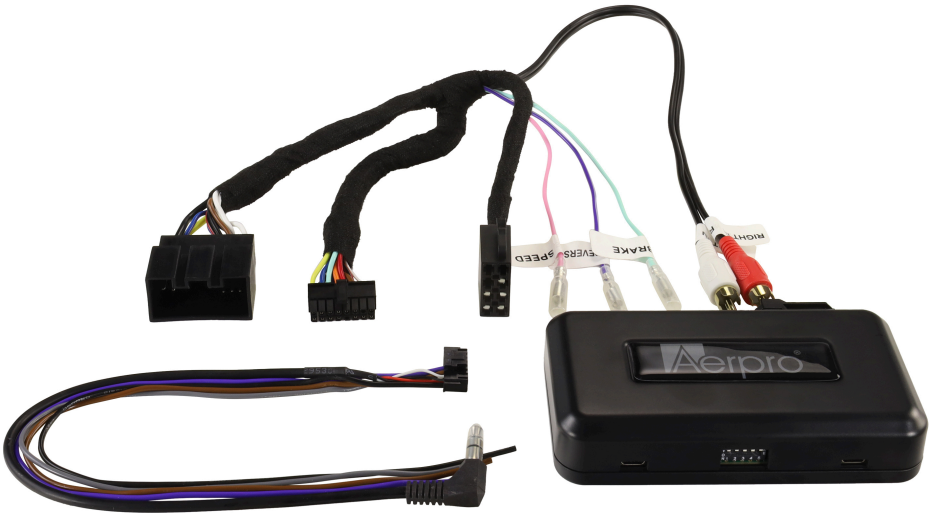
Aerpro
In-Car Tech Solutions

STEERING WHEEL CONTROL INTERFACE FOR LAND ROVER VEHICLES

RETAINS THE FIBRE-OPTIC AMPLIFIED SYSTEM

SWLR9C



INSTALLATION GUIDE

The SWLR9C allows for the retention of the steering wheel controls as well as other vital features including the MOST Fibre-Optic amplified system when installing an aftermarket unit into the vehicle. This interface features selectable dipswitches for dedicated applications, simply refer to the provided table for the correct configuration ensuring seamless integration.

VEHICLE APPLICATION

LAND ROVER

Discovery III (LA)	**2004 - 2009**
Range Rover Sport I (LS)	**2005 - 2009**

Vehicles with MOST OEM Amplified System

Does not support date or time retention through the OEM system. OEM display is not supported. The Land Rover start logo is displayed.

KEY FEATURES

- RETAIN STEERING WHEEL CONTROL FUNCTIONALITY
- REPLACE FACTORY RADIO
- RETAINS THE MOST FIBRE-OPTIC AMPLIFIED SYSTEM
- OUTPUTS FOR PARK BRAKE, REVERSE, SPEED PULSE
- SOFTWARE UPDATEABLE

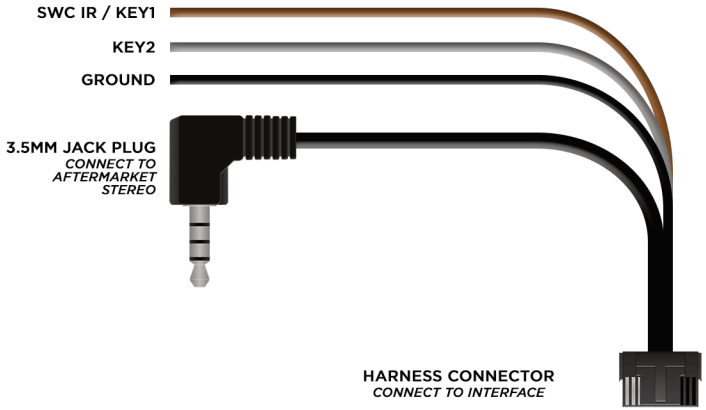
This harness allows for the retention of the steering wheel controls as well as other vital features when installing an aftermarket unit into a vehicle. This interface features selectable dipswitches for dedicated applications, simply refer to the provided table for the correct configuration ensuring 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.

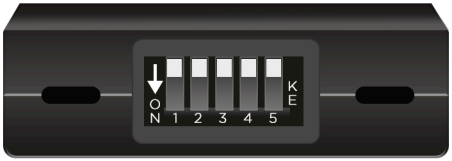
Before proceeding with installation, disconnect the negative battery terminal and ensure the key is removed from the ignition.

CONNECTION DIAGRAM

HEAD UNIT CONNECTION LEAD



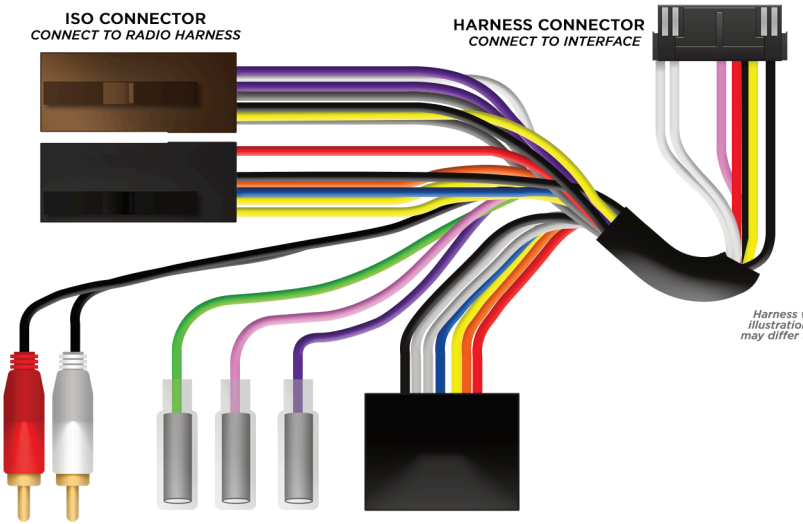
MOST SWC INTERFACE



MOST SWC INTERFACE DIPSWITCHES
REFER TO DIPSWITCH CHART



SWC VEHICLE HARNESS



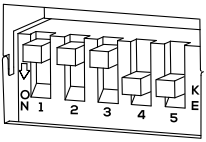
CONNECTION GUIDE

BEFORE INSTALLATION

Prior to installing the interface, it is essential to remove and disconnect the factory stereo. For guidance on this process, please refer to the vehicle owner's manual/handbook or seek assistance from a professional.

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.



INSTALLATION

1. Take the interface, then connect the head unit connection lead and the steering wheel harness connectors to their respective ports.

2. Connect the head unit connection lead to the steering wheel remote input on the rear side of the aftermarket stereo. Connection methods vary based on the stereo brand, utilising either a 3.5mm jack connector or brown SWC IR wire .

For specific connection guidance, refer to your aftermarket stereo's installation manual if not clearly labelled on the stereo harness.

3. Connect the power/speaker ISO connector from the interface to the corresponding power/speaker ISO connection on the aftermarket stereo.

For aftermarket stereos lacking an ISO connector, refer to the "Wiring Key" on Page 2 for guidance on connecting wires. Certain interfaces may also include extra "flying" wires for additional functionalities such as parking brake trigger, reverse gear, and speed pulse. Further information on these wires is available in the "Flying Wire Wiring Key" section.

4. Connect the vehicle-specific connectors from the interface harness to the corresponding connectors on the vehicle harness.

5. Connect the flying wires on the harness to the rear of the stereo (iff applicable).

6. Connect the antenna adapter to the vehicle's existing connection at the rear of the aftermarket stereo.

7. When installing an aftermarket reverse camera, connect the yellow RCA from the harness to the yellow RCA of the aftermarket camera. (If supported by the interface and vehicle)

8. When installing a DAB antenna, ensure to connect the DAB aerial connector to the rear of the new stereo.

9. After connecting all wires (along with any additional accessories), it's crucial to thoroughly test the stereo and steering wheel controls before reassembling the dashboard. If steering wheel controls are unresponsive, inspect connections and check dipswitch settings. Repeat the connection process if necessary, following the outlined steps.

INSTALLING THE FIBRE-OPTIC CABLE

To adapt to the MOST interface, you must remove the original fibre-optic connection.

1. Place the amplifier interface into the black connector housing provided with this kit and snap it into place. (Image A)

2. From the original fibre-optic connector: Using a pick tool, carefully pull the tab toward the outer edge of the connector housing. Gently remove the grey fibre-optic insert from the connector. (Image B)

3. From the MOST interface: Push the tab toward the grey dust cover. Using needle-nose pliers, remove the grey dust cover. Insert the factory fibre-optic cables into the MOST interface's black connector housing in place of the grey connector. (Image C)


IMAGE 1

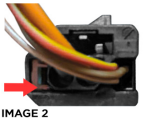

IMAGE 2


IMAGE 3

STEERING WHEEL CONTROL CONFIGURATION



A Volume Up
B Volume Down
C Mode
D Track Up
E Track Down
F Phone Pick Up
G Phone Hang Up

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

WIRING KEY

ISO CONNECTOR WIRING KEY

Purple	Right Rear Speaker +	**Grey**	Right Front Speaker +	**Yellow**	Permanent 12V
Purple/Black	Right Rear Speaker -	**Grey/Black**	Right Front Speaker -	**Black**	Ground
Green	Left Rear Speaker +	**White**	Left Front Speaker +	**Red**	Ignition 12V
Green/Black	Left Rear Speaker -	**White/Black**	Left Front Speaker -	**Orange**	Illumination

FLYING WIRE WIRING KEY

Pink	Speed Pulse - 0 to 12V Square Wave @ 1Hz/Kph	**Purple/White**	Reverse Gear - 250mA	**Red/White**	Acc 12V - 250mA
Green	Park Brake	**Orange**	Illumination - 250mA	**Yellow RCA**	Camera

OUTPUTS & RATINGS

Standby Current <3mA **Operating Voltage** 6V to 16V **Operating Temperature** -20C to 85C
*rated at 25 degrees Centigrade

DIPSWITCH CONFIGURATION

MANUFACTURER	SYSTEM	DIPSWITCH CONFIGURATION					CONNECTION
		1	2	3	4	5	
RESERVED	NA	OFF	OFF	OFF	OFF	OFF	SW UPDATE BOOT MODE
AERPRO	Analog	OFF	OFF	OFF	ON	OFF	MALE 3.5MM JACK
ALPINE	IR DATA	OFF	ON	OFF	OFF	OFF	MALE 3.5MM JACK
CLARION	IR DATA	ON	OFF	OFF	ON	OFF	MALE 3.5MM JACK
GRUNDIG	IR DATA	OFF	ON	OFF	ON	OFF	BROWN SWC IR
JVC	IR DATA	OFF	OFF	ON	OFF	OFF	BROWN SWC IR
KENWOOD 1	IR DATA	ON	OFF	OFF	OFF	OFF	BROWN SWC IR
KENWOOD 2	IR DATA	ON	ON	OFF	OFF	OFF	BROWN SWC IR
LG	Analog	OFF	OFF	ON	ON	OFF	MALE 3.5MM JACK
PHILIPS	IR DATA	OFF	ON	OFF	ON	OFF	BROWN SWC IR
PIONEER 1	Analog	OFF	OFF	OFF	ON	ON	MALE 3.5MM JACK
PIONEER 2	Analog	OFF	OFF	OFF	ON	OFF	MALE 3.5MM JACK
SONY	Analog	OFF	OFF	ON	ON	OFF	MALE 3.5MM JACK
ZENEC	IR DATA	ON	ON	OFF	ON	OFF	BROWN SWC IR
KEY1 / KEY2	Analog	OFF	OFF	OFF	ON	ON	KEY1 / KEY2 WIRE
ANALOG SINGLE WIRE	Analog	ON	ON	ON	ON	OFF	BROWN SWC IR / KEY1

PLEASE NOTE: The dipswitch settings for the MOST SWC interfaces differ from those for the SWC interface range. Please refer to the appropriate dipswitch table in the instruction guides for accurate configuration.

SWC MOST INTERFACE



SOFTWARE UPDATE

The interface software can be updated using the two micro USB ports on the device. These ports serve specific purposes: one is dedicated to updating the MOST software, while the other is for updating the CAN Bus software. By connecting to these ports, users can ensure their interface remains up-to-date, maintaining optimal performance and compatibility with their vehicle's systems.

Software update instructions can be found in a separate guide on our website.

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 8889** 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.