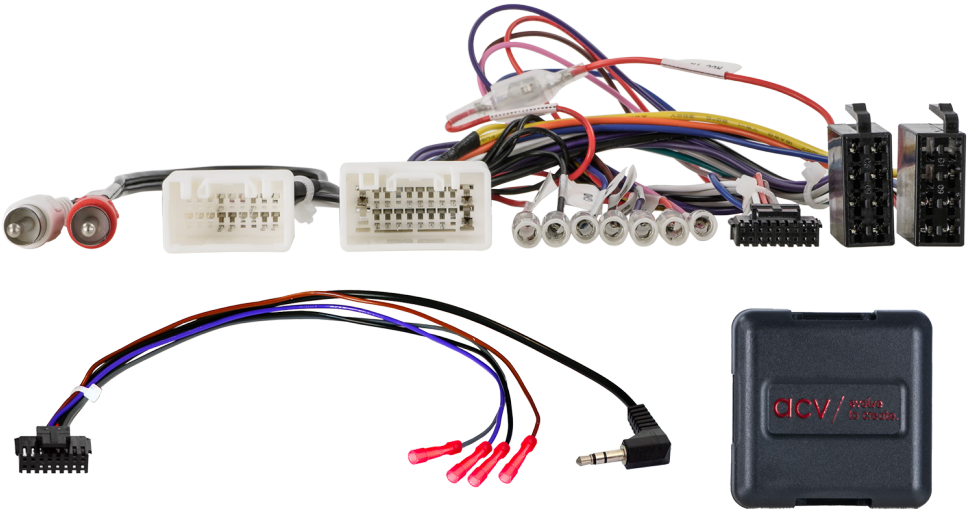
STEERING WHEEL CONTROL INTERFACE FOR MITSUBISHI VEHICLES

42xmt002-0



INSTALLATION GUIDE

The 42xmt002-0 allows for the retention of the steering wheel controls as well as other vital features 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

Citroen
C-Crosser (V) 2007 - 2012

Mitsubishi
Lancer (CYO) 2007 - 2010
Outlander (CWB) 2007 - 2012
Outlander Sport (ASX) 2010 - 2021

Peugeot
4007 (V) 01/ 2008 - 2012

CAN Bus Interface
Vehicles with Rockford Fosgate OEM amplified system

KEY FEATURES

- RETAIN STEERING WHEEL CONTROL FUNCTIONALITY
- REPLACE FACTORY RADIO
- OUTPUTS FOR SPEED PULSE, PARK BRAKE, REVERSE, AMP REMOTE & ACC
- CAN BUS INTERFACE
- ALLOWS ACCESS TO INSTALLER SETTINGS MENU
- SOFTWARE UPDATEABLE
- REMAPPABLE BUTTONS

PRIOR TO INSTALLATION

Installation requires a certain level of technical knowledge. Prior to installation, it is important to read the manual. Select a location for installation that is dry and free from heat sources. 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.

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

Yellow Permanent 12V | **Black** Ground | **Pink** Speed Pulse | **Blue** Amp Remote
Red/White AUX AUX-Input | **Red** Ignition 12V | **Purple** Reverse Gear

OUTPUTS & RATINGS

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

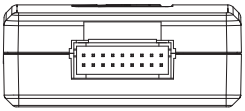
DIPSWITCH CONFIGURATION

MANUFACTURER	SYSTEM	DIPSWITCH CONFIGURATION					CONNECTION
		1	2	3	4	5	
RESERVED	NA	OFF	OFF	OFF	OFF	OFF	SW UPDATE BOOT MODE
ALPINE	IR DATA	OFF	**ON**	OFF	OFF	OFF	MALE 3.5MM JACK
ANALOG SINGLE EXTEND	Analog	**ON**	**ON**	**ON**	**ON**	**ON**	BROWN SWC IR
ANALOG SINGLE WIRE	Analog	**ON**	**ON**	**ON**	OFF	**ON**	BROWN SWC IR
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
KEY 1 / KEY 2	Analog	OFF	**ON**	**ON**	OFF	OFF	KEY1 / KEY 2 WIRES
KEY 1 / KEY 2 EXTEND	Analog	OFF	**ON**	**ON**	**ON**	OFF	KEY1 / KEY 2 WIRES
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	**ON**	OFF	**ON**	**ON**	OFF	MALE 3.5MM JACK
ZENEC	IR DATA	**ON**	**ON**	OFF	**ON**	OFF	BROWN SWC IR

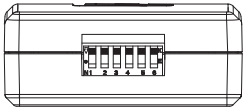
DIP 6 - Steering wheel type. Type 1 - Up | Type 2 Down

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 rolly 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.

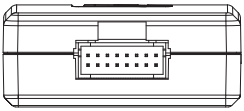
SWC INTERFACE



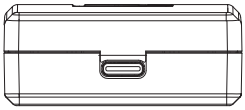
18 PIN HARNESS CONNECTOR



DIPSWITCHES



16-PIN HEAD UNIT CONNECTION LEAD



USB-C

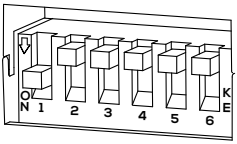
CONNECTION GUIDE

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. Refer to the diagram for an example of the 'KENWOOD1' dipswitch configuration.



INSTALLATION

1. Take the interface, then connect the 16-PIN head unit connection lead and the 18-PIN 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 SWC IR wire or wired inputs KEY1 and KEY2.
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 (if applicable).

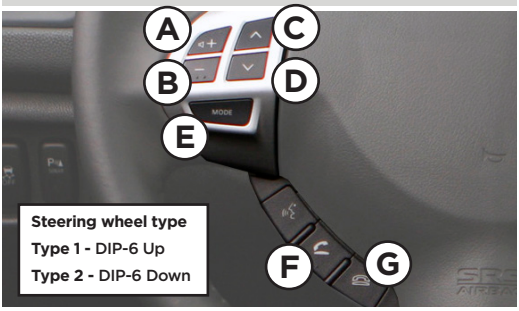
6. Connect the antenna adapter to the vehicle's existing connection at the rear of the aftermarket stereo.

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.

SWC CONFIGURATION



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

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

List of Settings / Installer Menu Items & Beep Indicators

1 Beep – Subwoofer Volume (0–5)
Indicates subwoofer level adjustment.
2 Beeps – Sound Field Mode
Options: Flat, Studio, Club, Concert, Dolby Pro Logic II.
A confirmation beep will sound when Flat is selected.
3 Beeps – Fader (Front - Rear)
Range: Front 11 - Centre - Rear 11.
A confirmation beep will sound when the fader is set to Centre.
4 Beeps – Main Volume Setting (Amplifier Gain)
Range: 0–45 (default value: 29).
A confirmation beep will sound when the volume is set to its default level.

INSTALLER SETTINGS MENU

Settings Menu (Bass, Sound Effect & Fade)

Enter the Menu
Press and hold Mode for 5 seconds. A beep will confirm you've entered the Settings Menu.
Adjust a Setting
Use Track Up or Track Down to change the selected value.
Move to the Next Setting
Short-press Mode to cycle to the next menu item.
Exit the Menu
Press and hold Mode for 5 seconds, or simply wait 10 seconds without pressing any buttons.
(If the menu times out, you'll hear three quick beeps.)

Note: When entering the menu, it will always start with Bass adjustment.

Installer Settings Menu (Bass, Sound Effect, Fade, Amp Gain & Steering Wheel Type)

Enter the Installer Menu
•Press Mode & Track Up together for 5 seconds until you hear the first beep.
•Release Mode but continue holding Track Up for another 5 seconds.
•When the Installer Menu is activated, you'll hear five beeps, you can then release Track Up.

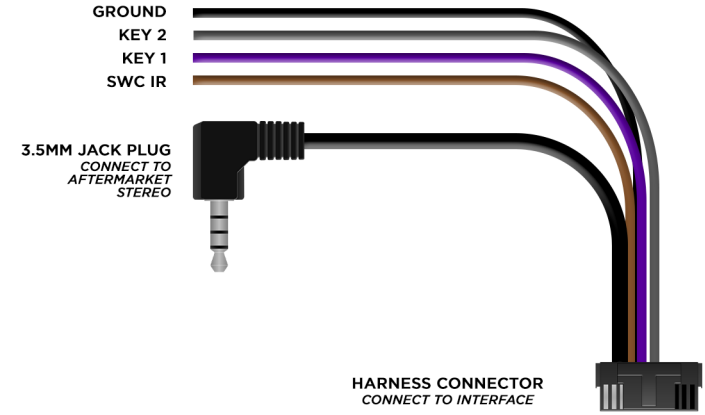
Adjusting & Navigation

Operation is the same as the standard Settings Menu:
•Track Up / Track Down to change values
•Short press Mode to move to the next item
•Long press Mode (5 seconds) to exit

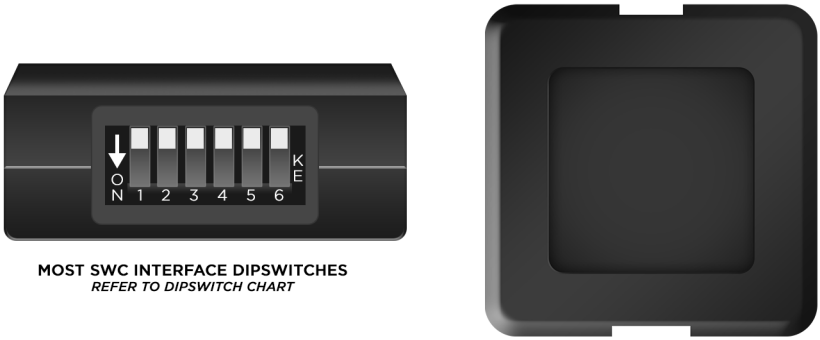
Note: The menu always begins on Bass when first entered.

CONNECTION DIAGRAM

HEAD UNIT CONNECTION LEAD



MOST SWC INTERFACE



MOST SWC INTERFACE DIPSWITCHES
REFER TO DIPSWITCH CHART

SWC VEHICLE HARNESS