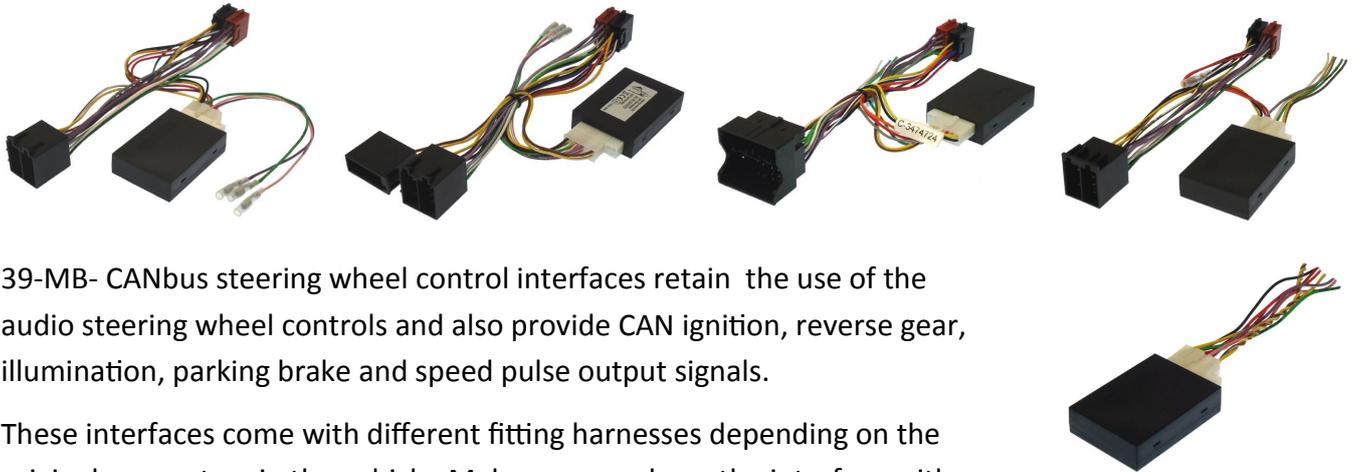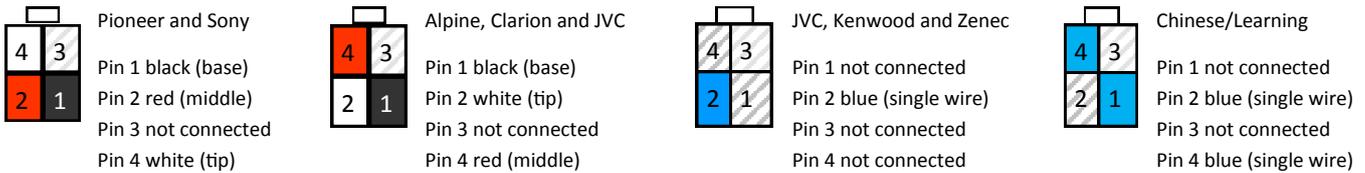# 39-MB- Mercedes CAN SWC

Mercedes CANbus steering control interfaces

39-MB- CANbus steering wheel control interfaces retain the use of the audio steering wheel controls and also provide CAN ignition, reverse gear, illumination, parking brake and speed pulse output signals.
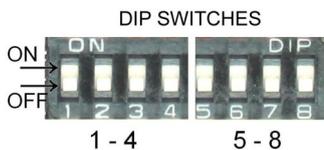
These interfaces come with different fitting harnesses depending on the original connectors in the vehicle. Make sure you have the interface with the correct harness for the vehicle.

Set up the patch lead

Pioneer and Sony
Pin 1 black (base)
Pin 2 red (middle)
Pin 3 not connected
Pin 4 white (tip)

Alpine, Clarion and JVC
Pin 1 black (base)
Pin 2 white (tip)
Pin 3 not connected
Pin 4 red (middle)

JVC, Kenwood and Zenec
Pin 1 not connected
Pin 2 blue (single wire)
Pin 3 not connected
Pin 4 not connected

Chinese/Learning
Pin 1 not connected
Pin 2 blue (single wire)
Pin 3 not connected
Pin 4 blue (single wire)

The 4 pin patch lead connector diagrams above are viewed from the wire entry side of the connector.

Set the switches

The switches on the interface need to be set according to the brand of radio and vehicle model. Open the black box and set the switches.
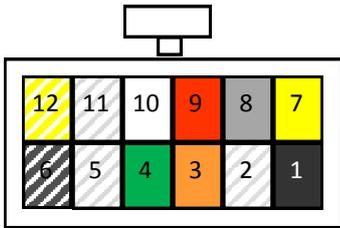
See the tables below for the switch settings. Switches 1-4 relate to the brand of head unit and switched 5-8 relate to the model of car.

Switch	1	2	3	4
Alpine	Off	On	Off	Off
Kenwood	On	On	Off	Off
JVC	Off	Off	On	Off
Clarion	Off	On	On	Off
Zenec	Off	Off	Off	On
Sony	On	Off	On	On
Pioneer	Off	On	On	On
Chinese/learning	On	Off	Off	On

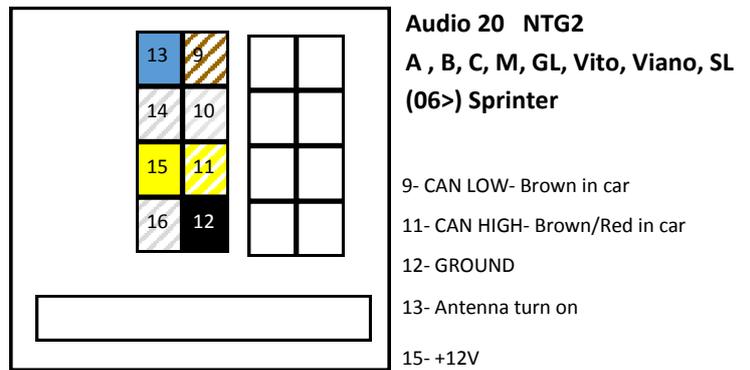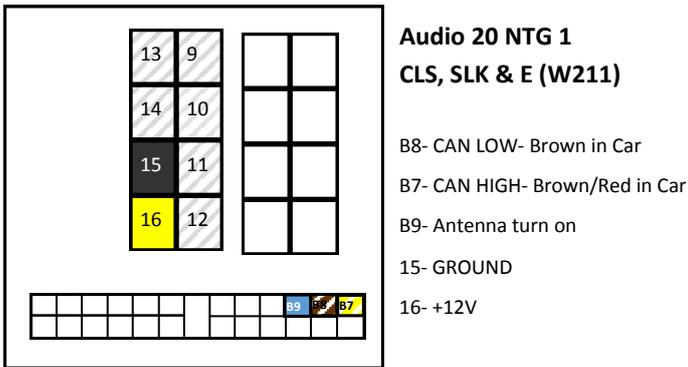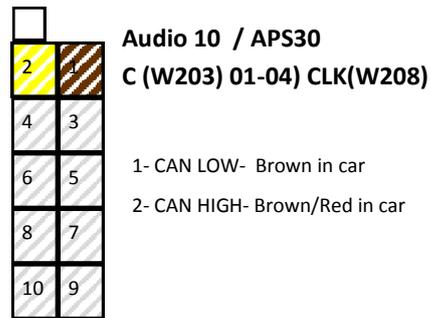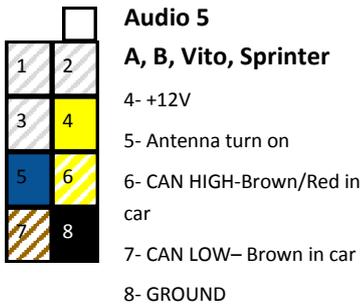| 5	6	7	8	Car model
On	Off	Off	Off	All other models
Off	On	Off	Off	C W203, CLK W209
On	On	Off	Off	E W210, CLK W208
Off	Off	On	Off	A W169, B W245, Vito, Viano
On	Off	On	Off	SL R230

If the vehicle specific setting does not work, use the "all other model" setting.
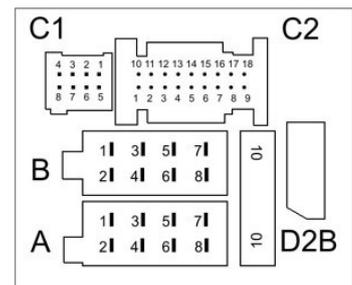
12 pin connector on the CANbus interface

1 - BLACK ground	7 - YELLOW +12V input
2 - Not connected	8 - GREY Handbrake output
3 - ORANGE illumination	9 - RED ignition output
4 - GREEN reverse gear output	10 - WHITE speed pulse output
5 - Not connected	11 - Not connected
6 - WHITE/BROWN Can low input	12 - WHITE/YELLOW Can high input

Mercedes Car wiring diagrams

Audio 5

A, B, Vito, Sprinter

4- +12V

5- Antenna turn on

6- CAN HIGH-Brown/Red in car

7- CAN LOW– Brown in car

8- GROUND

Audio 10 / APS30

C (W203) 01-04) CLK(W208)

1- CAN LOW- Brown in car

2- CAN HIGH- Brown/Red in car

Audio 20 NTG 1

CLS, SLK & E (W211)

B8- CAN LOW- Brown in Car

B7- CAN HIGH- Brown/Red in Car

B9- Antenna turn on

15- GROUND

16- +12V

Audio 20   NTG2

A , B, C, M, GL, Vito, Viano, SL (06>) Sprinter

9- CAN LOW- Brown in car

11- CAN HIGH- Brown/Red in car

12- GROUND

13- Antenna turn on

15- +12V

On Mercedes Command cars with NAV

Connect to pin 17 CAN LOW and pin 18 CAN HIGH on the 18 way command Connector

If there is no AUDIO menu on the car , then the car needs to be reset by a Mercedes dealer with Star diagnoses

Go to Menu Item "Configure control Unit"   "Read and Change Coding" "General Parameters" and set the options to "audio unit active"

For Audio20 NTG1 and NTG2 cars only.

On some of these cars it may be necessary to configure the interface to work correctly with the cars Menu System. SWITCH LIGHTS TO AUTO MODE

-turn the key to ignition and switch on the aftermarket head-unit or navigation system

-acknowledge any error messages on the on board computer

-move to audio menu(menu up button until audio appears on display)

-push and hold "end call" button on the steering wheel until the aftermarket radio switches to "night mode"

-push menu up button again until audio is again in the display

-push and hold " end call" button again until the aftermarket radio switches back to day time