

Mercedes-Benz
Vito W447 Audio15
Camera interface

Only compatible with NTSC cameras



Article code: 300 303

HW: V4.1

Setting the DIP switches of the CAN-box

Vehicle/ navigation	Dip 1	Dip 2	Dip 3	Dip 4	Dip 5	Dip 6
Camera coding	ON	OFF	OFF	OFF	OFF	ON
Camera decoding	OFF	OFF	OFF	OFF	OFF	ON

Note: DIP switch functions

Dip 1 – Camera coding

Dip 2 – Speed related rear view camera shut down

Dip 3 – no function

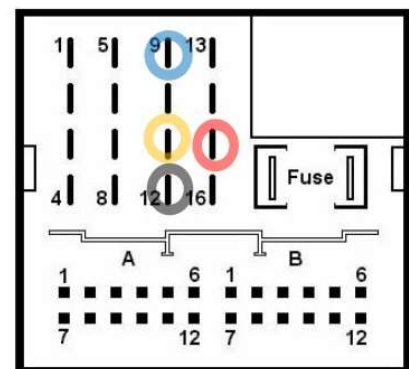
Dip 4 – no function

Dip 5 – CAN-bus termination resistor on the vehicle side

Dip 6 – CAN-bus termination resistor on the head-unit side

Pin-assignment factory connector

Assignment	Pin No.
+12V battery	Pin 15
Ground	Pin 12
CAN-low	Pin 9
CAN-high	Pin 11



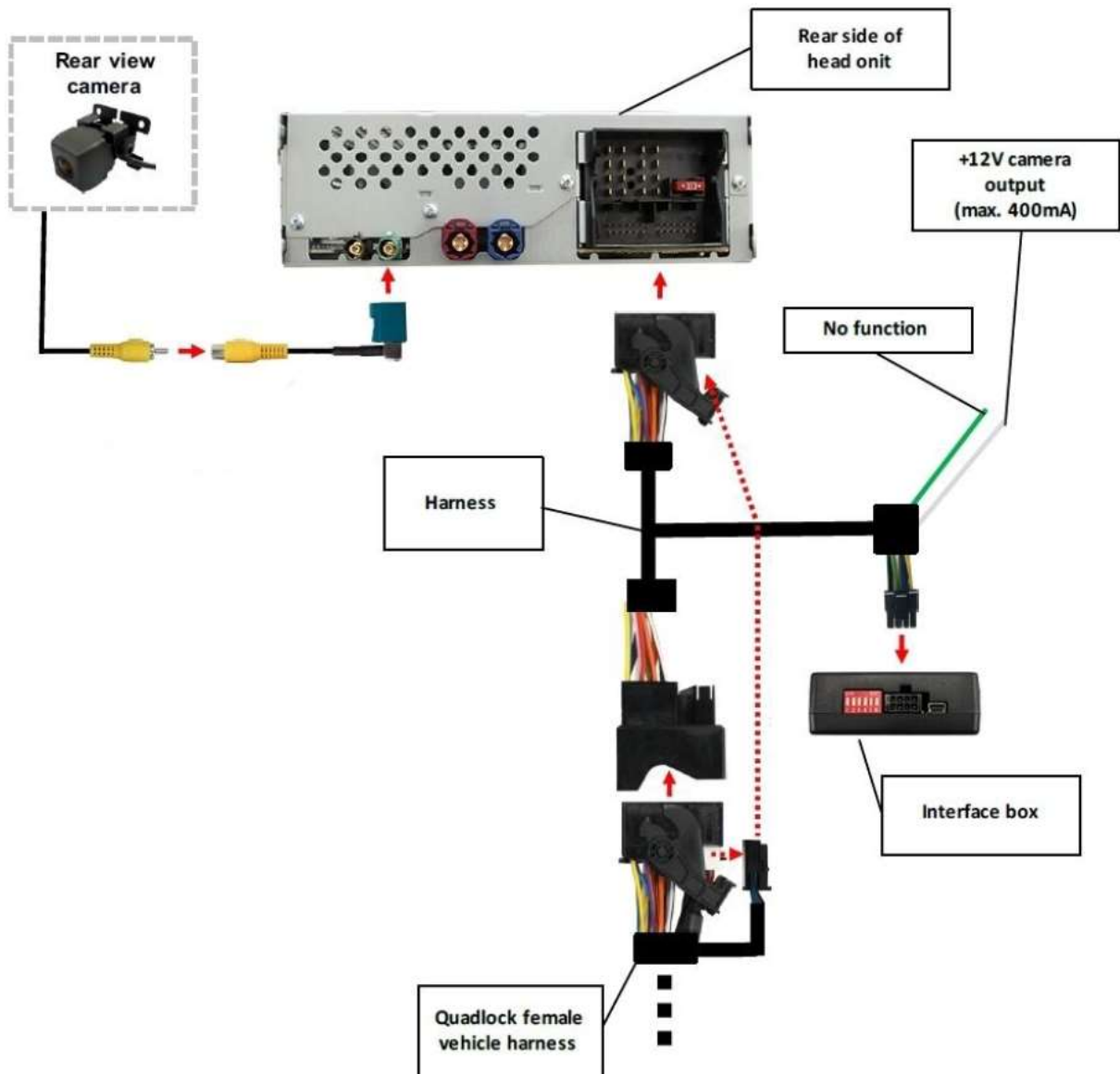
No liability for vehicle wire colors and pin definition! Possible changes by the vehicle manufacturer. The given information must be verified by the installer.

Pin-assignment of the CAN-Box (Molex 8pin)

Cable colour	Pin-No.	Assignment
● Yellow	Pin 4	CAN-HIGH – connection to the head-unit
● Blue	Pin 3	CAN-LOW – connection to the head-unit
●● Yellow/Black	Pin 8	CAN-HIGH – connection to the vehicle
●● Blue/Black	Pin 7	CAN-LOW – connection to the vehicle
● Red	Pin 1	+12V permanent
● Black	Pin 5	Ground
● Green	Pin 6	No function
● White	Pin 2	+12V rear view camera (max. 400mA)

Installation:

Switch off ignition and disconnect the vehicle's battery! If according to factory rules disconnecting the battery has to be avoided, it is usually sufficient to put the vehicle in sleep-mode. In case the sleep-mode does not show success, disconnect the battery with a resistor lead.



Coding of the rear-view camera:

Rear-view camera coding:

1. Set DIP switch "1","6" to "ON" ("2","3","4","5" = OFF)
2. Turn ignition on (ignition position 2, Note: **Do not start engine**)
3. Wait until the Audio15 device has booted
4. Insert reverse gear ("Diag" appears on the screen and after a short time, the Audio15 device goes off)
5. Turn on the Audio15 device manually (press ON button)
6. The coding process is now complete

Rear-view camera decoding:

1. Set DIP switch "6" to "ON" ("1","2","3","4","5" = OFF)
2. Turn ignition on (ignition position 2, Note: Do not start engine)
3. Wait until the Audio15 device has booted
4. Insert reverse gear ("Diag" appears on the screen and after a short time, the Audio15 device goes off)
5. Turn on the Audio15 device manually (press ON button)
6. The decoding process is now complete

LED information:

LED	Status	Explication
Blue	Lights	CAN bus communication OK
	Flashes	CAN bus search
Red	Lights	Rear-view camera is coded
	Off	Rear-view camera is not coded

Note: After the first use on a vehicle, the interface is personalized to this vehicle and can not be used in another vehicles.