

CAN-Bus Steering Wheel Control Interface

Vehicle Compatibility

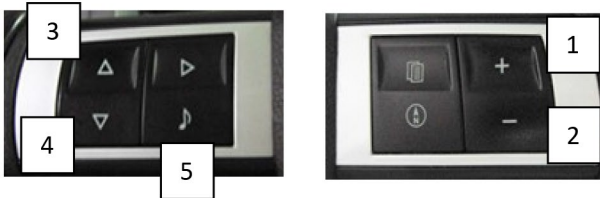
- Chrysler 300C (2004-2011)
- Chrysler Sebring (JS, 2007-2010)
- Dodge Caliber (2006-)
- Dodge Avenger (2007-2011)
- Jeep Grand Cherokee (WH, 2005-2010)
- Jeep Commander (XK, 2006-2010)
- Dodge Charger (2006-)

Features Supported

-  Ignition
-  Reverse
-  Illumination
-  Speed
-  Park Brake
-  OEM Amp turn on

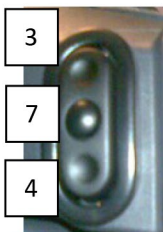
Steering Wheel Remote Control

steering-wheel type 1

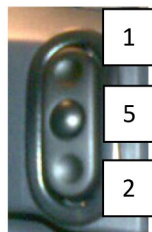


steering-wheel type 2

left side



right side



Steering Wheel Key	Command	
1		Volume +
2		Volume -
3		Track +
4		Track -
5		Source
6		Mute
7		Preset +

Functions are vehicle dependent

Steering Wheel Remote Control

Remove trim around radio

Remove screws with screwdriver and disconnect radio

Tools



Not included



Setting the dipswitches

Radio



Set the corresponding dipswitches as per the below table

DIP switches	1	2	3	4
– Audiovox	0	0	0	0
– Blaupunkt	1	0	0	0
– Alpine	0	1	0	0
– Kenwood	1	1	0	0
– JVC	0	0	1	0
– Blaupunkt II *1)	1	0	1	0
– Clarion	0	1	1	0
– Macrom	1	1	1	0
– Zenec	0	0	0	1
– Eclipse	1	0	0	1
– Zenec II *2)	0	1	0	1
– Axion II	1	1	0	1
– Grundig/Axion *3)	0	0	1	1
– Sony	1	0	1	1
– Pioneer	0	1	1	1
– Becker	1	1	1	1



Colour	Description
Green	CAN-Bus Active
Yellow	Ignition Output enabled

*1) For all Blaupunkt radio devices of group 2

*2) For Zenec ZE-NC514 only

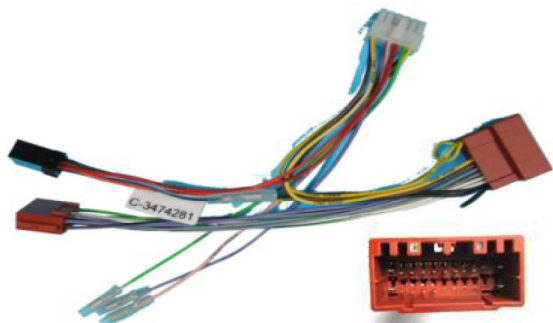
*3) For Axion radios of group 1 and Grundig radios

Vehicle

#	DIP switches supported vehicle	DIP 5 – 8 1 ≙ ON 0 ≙ OFF			
		5	6	7	8
1	- Chrysler 300C (2004-) - Chrysler Sebring (JS, 2007-2010) - Dodge Caliber (2006-) - Dodge Avenger (2007-) - Jeep Grand Cherokee (WK, 2005-2010) Function Output 8: Parking Brake	1	0	0	0



Cable Harness



Vehicles with brown connector

Wire Colour	Signal
Pink	Speed
Purple	Reverse
Green	Park Brake

OEM Amplifier

Setting fader/volume of factory-provided amplifier

The interface turns the factory-provided amplifier on (if installed)

Setup menu: press „preset +“ and „SRC“ in short succession



for setting fader press buttons „track“



for setting booster press buttons „vol“



to leave setup menu press „preset+“, „SRC“ in short succession



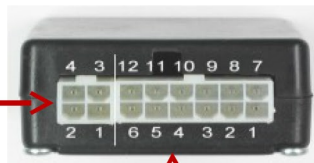
If you use original amplifier please change rear and front loudspeaker cables. The amplifier uses the rear loudspeaker cables.



Inputs and Outputs

4-pin MiniFit connector

12-pin MiniFit connector



12 Pin Connector Configuration

Pin	Signal	Type	Description	Note
1	Kl. 31	In	ground	
2	Kl. 31	In	ground	
3	Kl. 58	Out*)	illumination	output 0 V: illumination off / output 12 V: illumination on
4	R	Out *)	reverse	output 0 V: Δ off / output 12 V: Δ on
5	BTP 3.15	Out	Becker® remote control	remote control of Becker® navigation (chamber C3, Pin15)
6	CAN L	In	CAN LOW	
7	Kl. 30	In	+ 12V battery plus	interface is designed for 12V d.c. voltage
8	Mute / HB	Out	mute parking brake	output ground is according to switch setting
9	Kl. 15 / ACC	Out *)	ACC / ignition	output 0 V: ignition off / output 12 V: ilgnition on
10	Speed	Out *)	rectangular signal, proportional to speed	rectangular signal 0 .. 12 Volt, approx. 1 Hz per km/h
11	BTP 3.16	Out	Becker® remote control	remote control of Becker® navigation (chamber C3, Pin16)
12	CAN H	In	CAN HIGH	

4 Pin Connector Configuration

Pin	Signal	Type	Description	Note
1	Kl. 31	Out	ground	
2	RC5 out	Out	remote control system digital	
3	RC3 in	In	steering-wheel key input analog	
4	RC3 out	Out	remote control systems analog	

*) The maximum rate of current per output is 180 mA. Also, the total current of all outputs together must not exceed 200 mA .Otherwise, the interface could be damaged. In case a higher current is needed (ACC, reverse signal) a relay whith a coil resistance of min. 75 Ω or min. 150 Ω by use of two relays. We advise to use our ER70.

