1. Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources.

1.1. Delivery contents

Take down the SW-version and HW-version of the CAN-box, and store this manual for support purposes.

There is always a universal cable set provided.

CAN-box

can-uni 01

HW_____

1.2. Check compatibility of vehicle

Depending on the vehicle the can-uni 01 provides ignition (I), speed signal (S), reverse gear (R), lighting (L), it powers up an existing factory sound-system (SS) and allows the usage of on-board computer system control (OCS).

2. 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.

Place of installation of the can-uni 01 is usually in the radio slot on the vehicle's radio port.

2.1. Assignment of the 12-pin Molex on can-uni 01

Cable colour		Assignment
Pin 1	pink	+12V ACC (Output) max.1.5A
Pin 2	blue	CAN-LOW (Input)
Pin 3	yellow/green (yellow/red)	Tachometer signal (Output)
Pin 5	red	+ signal PDC (harness 42cxpdc)
Pin 6	red	+12V Permanent (Input)
Pin 7	orange	Lights (Output) max. 0.1A
Pin 8	yellow	CAN-HIGH (Input)
Pin 9	white	Reverse gear (Output) max. 1.5A
Pin 11	black	Ground signal PDC (harness 42cxpdc)
Pin 12	black	Ground

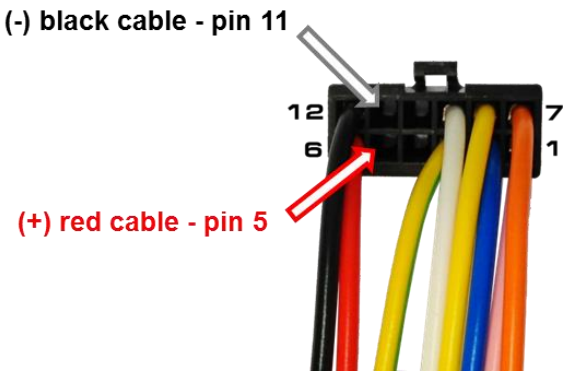
Installation with universal harness

a.) Connect the universal harness according to **assignment of 12pin Molex on can-uni 01** to harness of the after-market device and to vehicle harness.

Installation acoustic signal of park distance control with 42cxpdc (from SW 1.1.3)

a.) Connect the black and red cable of the 42cxpdc into the correlative pins of the female 12pin Molex connector of the harness:

42cxpdc



2.2. Onboard computer control Citroen and Peugeot for after-market radios

To control the onboard computer in Citroen and Peugeot vehicles the following functions can be selected by steering-wheel buttons:

Select Menu	long pressing "Source" (4s)
ESC	short pressing "Source"
OK	Vol+
Menu up	Wheel up
Menu down	Wheel down
Menu Right	Track+
Menu Left	Track-
Mode	long pressing "Tr+" (4s)
Dark	long pressing "Tr-" (4s)

Assignment of the steering-wheel buttons:

Tr+	pick up phone
Tr-	hang up phone
Wheel up	Tr+
Wheel down	Tr-

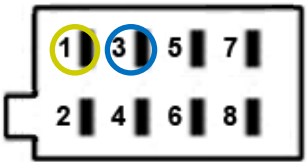
The assignments of the remaining steering-wheel buttons are identical to the label!

3. Vehicle-specific assignments - CAN-bus

As additional support the following pages give information about some vehicle-specific CAN-bus pin definitions. This **information** is **subject to change** and must be verified by the installer.

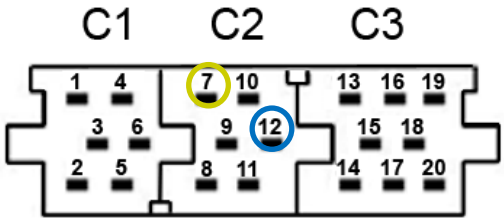
ALFA ROMEO

147
Female 8-Pin ISO connector in radio slot
CAN High – Pin 1
CAN Low – Pin 3



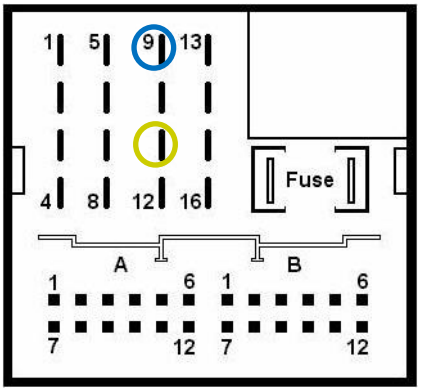
AUDI

A2, A3, A4, A6 till 01/05
Female Mini-ISO connector in radio slot
CAN High – Pin 7
CAN Low – Pin 12



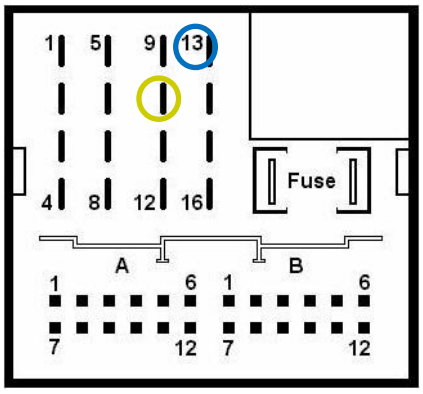
BMW

1series E81, 3series E90, 5series E60
Female Quadlock-connector in radio slot
CAN High – Pin 11
CAN Low – Pin 9



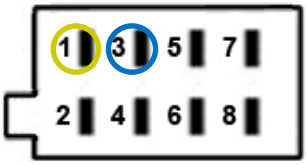
CITROËN

C4, C5 from 10/04
Female Quadlock-connector in radio slot
CAN High – Pin 10
CAN Low – Pin 13

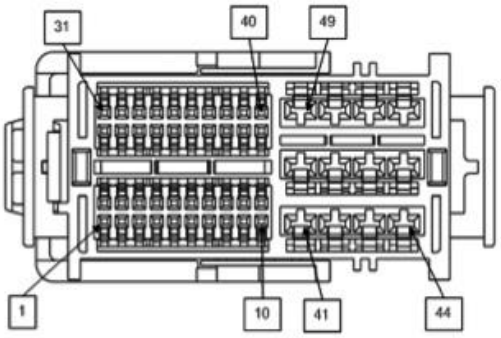


FIAT

Stilo, 500
Female 8pin ISO connector in radio slot
CAN High – Pin 1
CAN Low – Pin 3

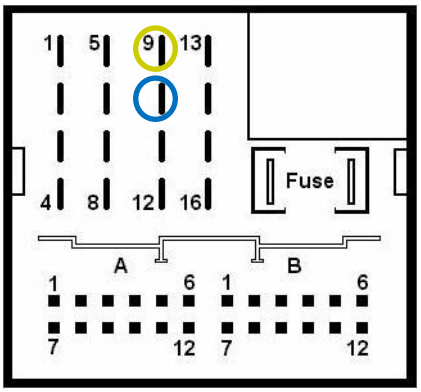


Ducato as of 2013
Female 52pin connector in radio slot
CAN High – Pin 2
CAN Low – Pin 12



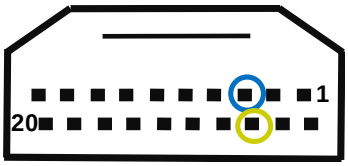
FORD

Focus, Focus C-MAX, S-MAX, Mondeo
Female Quadlock connector in radio slot
CAN High – Pin 9
CAN Low – Pin 10



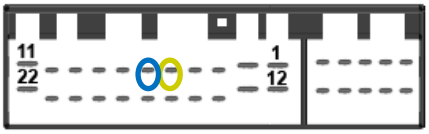
Honda

Accord (8G), CR-Z, Jazz (2G)
Female 20pin connector in radio slot
CAN High – Pin 13
CAN Low – Pin 3



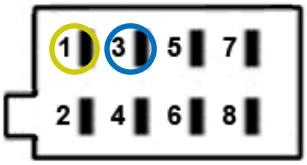
JEEP/CHRYSLER

Grand Cherokee, 300C
Female 22-pin connector in radio slot
CAN High – Pin 5 (white / red)
CAN Low – Pin 6 (white)



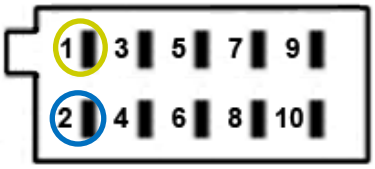
LANCIA

Ypsilon from 11/03
Female 8-pin ISO connector in radio slot
CAN High – Pin 1
CAN Low – Pin 3

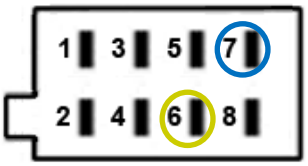


MERCEDES BENZ

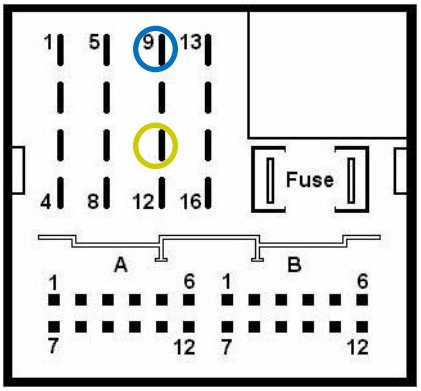
CLK W208 after facelift, **CLK W209** till 03/04,
E-Class W210 from 09/99, **Viano**, **SL W230** from 07/04
Female 10pin ISO-connector in radio slot
CAN High – Pin 1
CAN Low – Pin 2



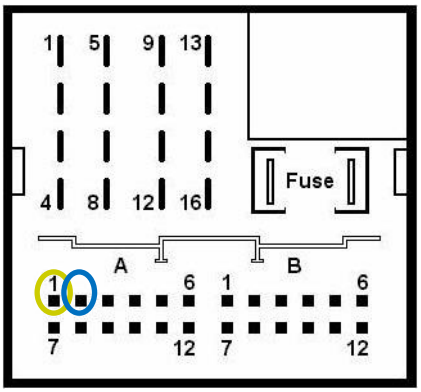
A-Class W169 and **B-Class W245** with Audio5,
all MERCEDES with indoor CAN-bus
Female 8pin ISO connector in radio slot
CAN High – Pin 6
CAN Low – Pin 7



A-Class W169 and **B-Class W245** with Audio20,
C-Class W203 and **CLK W209** from 04/04,
Viano W693
Female Quadlock-connector in radio slot
CAN High – Pin 11
CAN Low – Pin 9



E-Class W211 from 04/03, **CLS W219**, **SLK R171**
Female Quadlock-connector in radio slot
CAN High – Pin 1 (Kammer A)
CAN Low – Pin 2 (Kammer A)



ACV Auto Communications
Vertriebsgesellschaft mbH
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41812 Erkelenz

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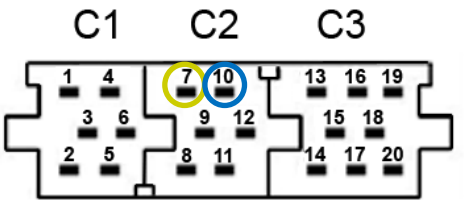
Mail: info@acvgmbh.de
Web: www.acvgmbh.de

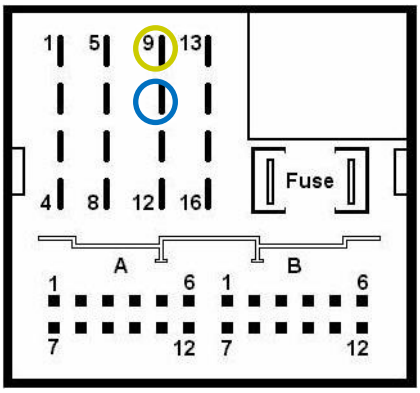
Art.-No.: can-uni 01
Stand: 04/2017
Revision: 1

OPEL

Vectra C till 07/04
Female Mini-ISO connector in radio slot
CAN High – Pin 7
CAN Low – Pin 10

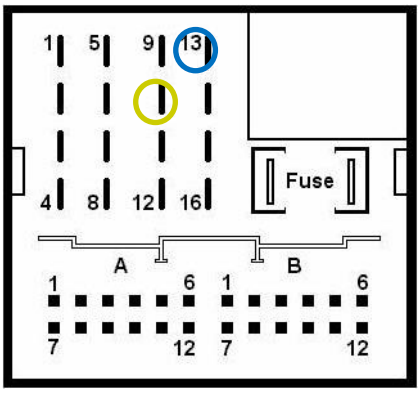


Astra H , Corsa C, Meriva, Tigra Twin Top,
Vectra C from 08/04
Female Quadlock-connector in radio slot
CAN High – Pin 9
CAN Low – Pin 10



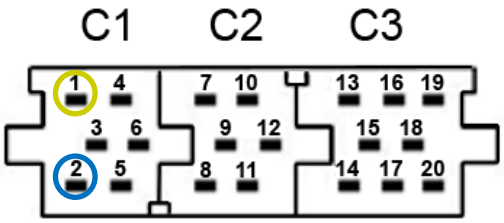
PEUGEOT

307, 407
Female Quadlock-connector in radio slot
CAN High – Pin 10
CAN Low – Pin 13



PORSCHE

Cayenne, Boxster, 997
Female Mini-ISO connector in radio slot
CAN High – Pin 1
CAN Low – Pin 2



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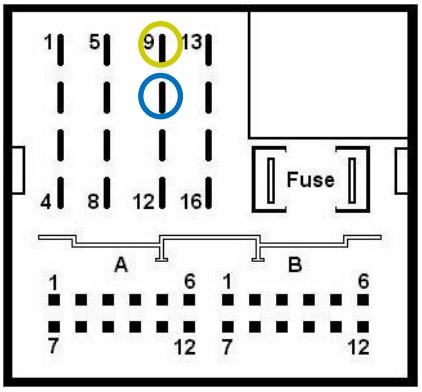
Art.-No.: can-uni 01
Stand: 04/2017
Revision: 1

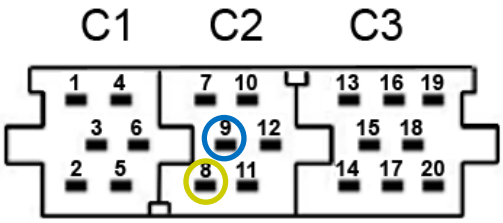
SEAT

Altea
Female Quadlock-connector in radio slot
CAN High – Pin 9
CAN Low – Pin 10

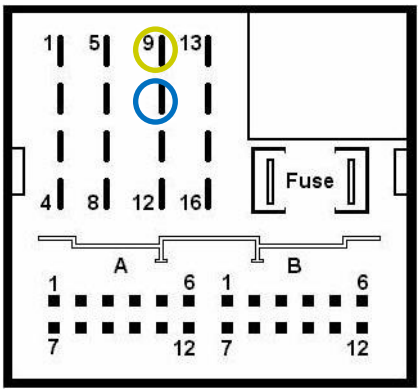


ŠKODA

Superb, Octavia I
Female Mini-ISO connector in radio slot
CAN High – Pin 8
CAN Low – Pin 9



Octavia II
Female Quadlock-connector in radio slot
CAN High – Pin 9
CAN Low – Pin 10



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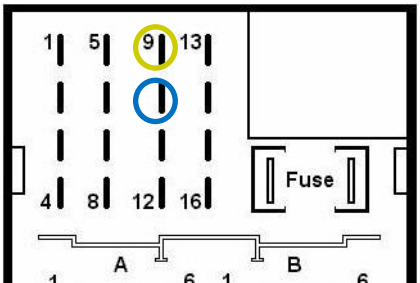
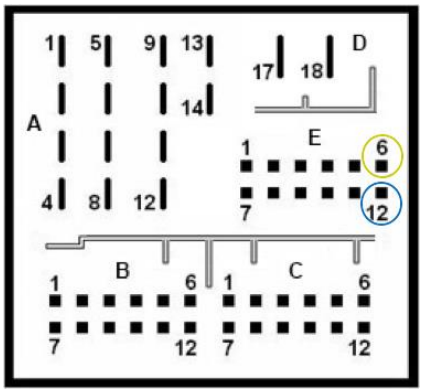


VOLKSWAGEN

Golf 4, Golf 5, Passat 3B, Caddy, Touran, Touareg, T5
Female Quadlock-connector in radio slot
CAN High – Pin 9
CAN Low – Pin 10

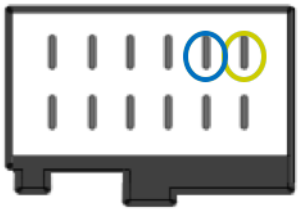
Golf 7

Female Quadlock-connector in radio slot
CAN High – Pin 6
CAN Low – Pin 12



VOLVO

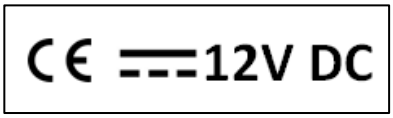
S60, V70
Female 12pin connector in radio slot
CAN High – Pin 7 (white)
CAN Low – Pin 8 (green)



XC90
Female 10-Pin connector in radio slot
CAN High – white cable (double occupied)
CAN Low – green cable (double occupied)

4. Specifications

Operation voltage	10.5 – 14.8V
Stand-by power drain	<1mA
Operation power drain	~50mA
Power consumption	0.07-40W
Temperature range	-30°C till +80°C
Weight	38g
Measurements (box only) W x H x D	71 x 22 x 50 mm



Capacitance

ACC	max. 1.5A
Reverse Gear	max. 1.5A
Lights	max. 0.1A

5. Technical Support

ACV Auto Communications Vertriebs GmbH

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