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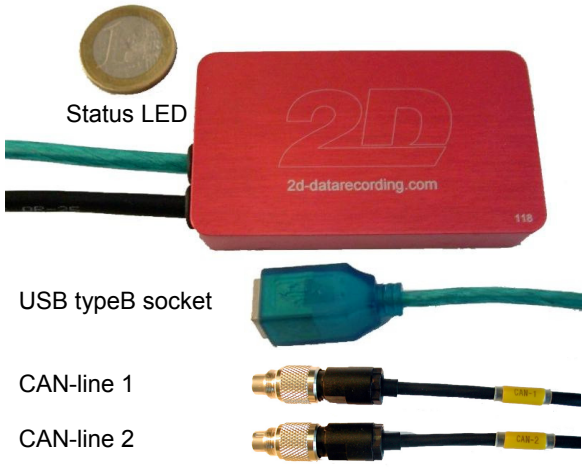
BC-CCPRout_V2-000 — Box CCP → CAN Router

Function

- Router between CCP CAN and 2D CAN line.
- The CCP (CAN Calibration protocol) is very universal and offers the advantage of the standardisation.
- Measurement of internal variables of control-units during runtime becomes possible.

Features

- The datarecording system is separated from the CAN-line of the vehicle.
- No error messages at the CAN-line of the vehicle (router is only listener)
- Routing of different protocols (e.g. CCP for example)
- Each CAN-line can work with different baud rates
- Datatraffic load can be reduced



Technical specifications

Electrical characteristics

Power supply	8-18	Vdc
Current sonsumption@12V	50	mA
Powered by USB and CAN as well.	Yes	
CAN-IN channels (up to)	64	CH
Sampling rate (max.)	400	Hz / CH
CAN-lines		
CAN_2D	1	
CAN_Ext	1	

Communication

USB port (1.0 / 2.0 compatible)	Yes	

refer 2nd page (for more details)

Documentation reference

ASAP2 Import in WinIt:
Art.No.: AC-DOC_ASAP2_Import

Connections

USB type-B standard	1	
CAN-line: Binder 712, 5PM	2	

refer 2nd page for more details

Mechanical characteristics

Dimensions	70 x 40 x 13	mm^3
Weight	90	g
Housing material	aluminium	
Cable (USB)		
type	USB typeB (std.)	
wire cross section	AWG28	
length	400	mm
Cable (CAN-line)		
Type (Y-cable)	Raychem (EPD)	
wire cross section	AWG26	
length	400	mm

Environmental data

Operating temperature	-20 to +75	°C
Humidity	5 to 95	%
Sealing class	IP	67

Vibration resistance

Shock	40	G
during a time period of	10	ms
Vibration tested at	12	G
with a frequency of	1000	Hz

Ordering information

Art.No.:	
Box CCP → CAN Router	BC-CCPRout_V2-000
Box CCP → CAN Router (incl. “Hide function”)	BC-CCPRout_V2-001

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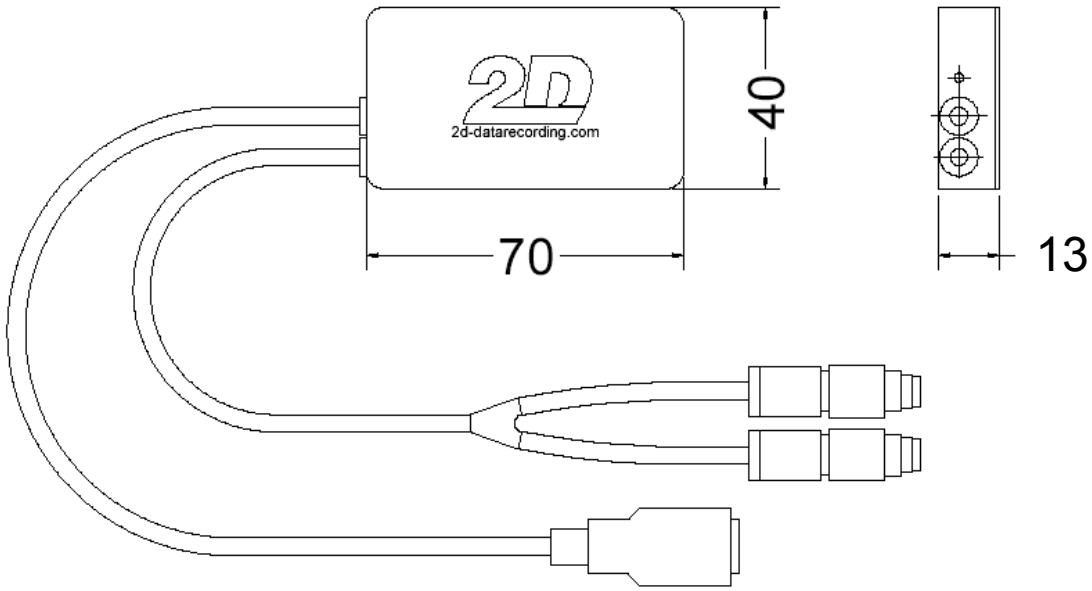
Dimensions



Documentation reference (USB driver installation)

Please note:
The necessary USB driver files will be installed during the standard WinaRace software installation. Therefore the installation must take place first !
It is also possible to install the necessary USB drivers separate via the 2D homepage:
→ <Support><Download><2D USB drivers>

A documentation about USB driver installation is available at the homepage/CD-ROM.
→ <Support><Download><2D manuals><Software manuals><The 2D reference manual>
→ Take a look at "AC-DOC_USBdriverInstallation_e-000"

Connector layout

CAN-line1 & CAN-line2 (standard)

CAN-line Binder 712, 5pin

Pin	Name		Description	Color
1	CAN H1	CAN H2	CAN Bus High	white | yellow
2	CAN L1	CAN L2	CAN Bus Low	green | brown
3	GND		Ground	black
4	n.c.		Not connected	-
5	Vext		Power IN (8-18V)	red

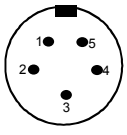
COM-line (USB TypeB standard)

USB Standard

Pin	Name	Description	Color
1	Vcc	+5V	red
2	D -	Data -	white
3	D+	Data +	green
4	GND	Ground	black

Connector types

Plug at module



Binder 712, 5 PM
(front side)

Mating plug

Binder 712, 5PF
(front side)

Plug at module

USB type-B socket
(front side)

Mating plug

USB type-B plug
(front side)

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