

CD Changer

From HackTheIBus

Description

Most of messages from CD-Changer are send to the radio.

At activating the IBUS, an IBUS-Message of type "Device status ready", with bit "after reset" set, is send to all devices. The IBUS is activated by opening the car.

To activate the CD-Changer-modus the radio sends an message to the changer and the changer have to respond with another "Device status ready"-message with bit "after reset" unset. The radio repeats this query every 10 seconds to be informed that the changer is already alive. If less than 2/3 of all querys were answered by the changer the CD-Changer-modus will be deactivated.

Messages send from CD-Changer

Available-message on IBUS-Activation:

18 04 FF 02 01 E0

Response-message at radio-request:

18 04 FF 02 00 E1

More messages:

Message	Meaning
18 0A 68 39 00 02 00 zz 00 xx yy CS	not playing
18 0A 68 39 00 09 00 zz 00 xx yy CS	playing
18 0A 68 39 02 09 00 zz 00 xx yy CS	start playing
18 0A 68 39 03 09 00 zz 00 xx yy CS	scan forward
18 0A 68 39 04 09 00 zz 00 xx yy CS	scan backward
18 0A 68 39 07 09 00 zz 00 xx yy CS	end of title
18 0A 68 39 08 09 00 zz 00 xx yy CS	cd changed

xx is the number of the current CD

yy is the number of the current track

zz is a bit mask showing the slots in which a CD was detected when the magazine was loaded. The frequently quoted value of 0x3F (i.e. the lower 6 bits set) represents a magazine with six CD loaded.

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