

# Vehicle control

From HackTheIBus

## Description

The message type 0x0C is a vehicle control message. It allows devices on the IBus to control serveral things in the car. Mostly light commands have been hacked.

## Format

Message code	0x0C
Message length	12 bytes
Data size	9 bytes
Frequency	unknown

DB1	DB2	DB3	DB4	DB5	DB6	DB7	DB8	DB9
always 0x00	Light signals	Light signals	Light signals	single bulbs	single bulbs	single bulbs	single bulbs	unknown 0x00

The Bits of the *DB2* byte

Bit	meaning	0	1
7	?	x	x
6	?	x	x
5	?	x	x
4	emergency blink	x	on
3	?	x	x
2	high beam on	x	x
1	?	x	x
0	?	x	x

The Bits of the *DB3* byte

Bit	meaning	0	1
7	indicator blinks left	off	on
6	indicator blinks right	off	on
5	light instrument cluster	off	on
4	?	x	x
3	?	x	x

2	?	x	x
1	?	x	x
0	brake backside	off	on

The Bits of the *DB5* byte

Bit	meaning	0	1
7	?	x	x
6	high beam left	off	on
5	high beam right	off	on
4	brake tail right	off	on
3	brake tail left	off	on
2	?	x	x
1	?	x	x
0	?	x	x

The Bits of the *DB6* byte

Bit	meaning	0	1
7	fog tail right	off	on
6	fog tail left	off	on
5	low beam right	off	on
4	low beam left	off	on
3	back-up light left	off	on
2	fog front left	off	on
1	?	x	x
0	Angle eyes left	off	on

## Example

to be defined

Meaning	IKE	len	BMBT	type	x	x	CS
Value	80	0F	F0	0C	x	x	x

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