**1.Vehicle control**

**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** |
| alway 0x0C | Light signals | Light signals | Light signals | single bulbs | single bulbs | single bulbs | single bulbs | 0x06 |

The Bits of the DB2 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | Park lights (+side markers) | x | x |
| 6 | ? | x | x |
| 5 | Warning lights | x | x |
| 4 | ? | x | on |
| 3 | ? | x | x |
| 2 | ? | x | x |
| 1 | ? | x | x |
| 0 | ? | x | x |

The Bits of the DB3 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | ? | off | on |
| 6 | Brake lights (All) | off | on |
| 5 | ? | off | on |
| 4 | ? | x | x |
| 3 | ? | x | x |
| 2 | ? | x | x |
| 1 | Park lights (+side markers) | x | x |
| 0 | Park lights (+side markers) | off | on |

The Bits of the DB4 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | Follow Me Home | off | on |
| 6 | ? | off | on |
| 5 | ? | off | on |
| 4 | ? | x | x |
| 3 | ? | x | x |
| 2 | ? | x | x |
| 1 | ? | x | x |
| 0 | ? | off | on |

The Bits of the DB5 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | Park lights right side(front and back) | x | x |
| 6 | Park lights left side(front and back) | off | on |
| 5 | ? | off | on |
| 4 | ? | off | on |
| 3 | ? | off | on |
| 2 | ? | x | x |
| 1 | ? | x | x |
| 0 | ? | x | x |

The Bits of the DB6 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | ? | off | on |
| 6 | Front right indicator | off | on |
| 5 | Front left indicator | off | on |
| 4 | Brake light right | off | on |
| 3 | Brake light left | off | on |
| 2 | ? | off | on |
| 1 | Park light front right | x | x |
| 0 | Upper brake light | off | on |

The Bits of the DB7 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | ? | off | on |
| 6 | Park light back left | off | on |
| 5 | High beam right | off | on |
| 4 | High beam left | off | on |
| 3 | Park light front left | off | on |
| 2 | Low beam left | off | on |
| 1 | Low beam right | x | x |
| 0 | ? | off | on |

The Bits of the DB8 byte

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **meaning** | **0** | **1** |
| 7 | Back Right + Fender indicators | off | on |
| 6 | ? | off | on |
| 5 | Back Left + Fender indicators | off | on |
| 4 | Fog light back left | off | on |
| 3 | Park light back right | off | on |
| 2 | ? | off | on |
| 1 | Plate light | x | x |
| 0 | Front fog lights | off | on |