

Functional description



for the following LEIB CAN BUS modules (only for BMW G - models):

- LEIB CAN EXHAUST BASIC
- LEIB CAN EXHAUST PRO

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Menu entry | Select menu item

To access the menu, **three states** must be reached within **10 seconds**:

1. Start - button (press 3x quickly) = IGNITION ON
2. DSC - button (press 1x shortly) = DSC OFF
3. Exhaust - button LED = OFF | BMW ///M
3. Eco Pro - button (press 1x shortly) | BMW AG

Then **menu item 1** is set according to the following scheme:

1. DSC - button (press 1x shortly) = DSC ON
2. DSC - button (press 1x shortly) = DSC OFF

After these 2 steps you are in **menu item 1**.

Similarly, the menu items are incremented by **1** each time this scheme is applied. If you carry out this scheme again, you will find yourself in **menu item 2**:

1. DSC - button (press 1x shortly) = DSC ON
2. DSC - button (press 1x shortly) = DSC OFF (**Menu item + 1**)

You are now in **menu item 2**.

!! IMPORTANT !!

1. **The engine should not be started when trying to call up the menu or while the menu is active**
2. **Switch on the ignition: 3x in quick succession, shortly press the start button without pressing the brake pedal**

Change settings

The individual settings of the functions according to the menu items in the function overview can be made according to the following scheme:

1. The **menu item** is set
2. Exhaust - button LED = ON (Setting 1) (BMW ///M)
2. Sport - button = pressed (Setting 1) (BMW AG)
3. Exhaust - button LED = OFF (Setting 2) (BMW ///M)
3. Eco Pro - button = pressed (Setting 2) (BMW AG)
4. Exhaust - button LED = ON (Setting 3) (BMW ///M)
4. Sport - button = pressed (Setting 3) (BMW AG)

A setting is saved when the following status is reached:

1. DSC - button (press 1x shortly) = DSC ON
2. Start - button (press 1x shortly) = IGNITION OFF

The setting is saved now!

Each further setting must be carried out individually according to the scheme listed.

Functional description | Menu item 1

(available from LEIB CAN EXHAUST BASIC)

Behavior exhaust valves, if exhaust - button LED = OFF

or (see menu item 3)

Behavior exhaust valves, if steering wheel rocker down $\geq 2,5s$

Setting 1: **open**

Setting 2: **closed (Factory setting)**

Setting 3: **50% open**

Setting 4: **Self-Mode (only PRO)**

Setting 5: **Serie**

Functional description | Menu item 2

(available from LEIB CAN EXHAUST BASIC)

Behavior exhaust valves, if exhaust - button LED = ON

or (see menu item 3)

Behavior exhaust valves, if steering wheel rocker up $\geq 2,5s$

Setting 1: **open (Factory setting)**

Setting 2: **closed**

Setting 3: **50% open**

Setting 4: **Self-Mode (only PRO)**

Setting 5: **Serie**

Functional description | Menu item 3

(available from LEIB CAN EXHAUST BASIC)

Control of exhaust valves, selection of the button

Setting 1: Exhaust button (**Factory setting**)

Setting 2: Steering wheel rocker

Functional description | Menu item 4

(available from LEIB CAN EXHAUST BASIC)

Exhaust valves only open when engine = ON and
accelerator [%] \geq Setting value

Setting 1: **0% (Factory setting)**

Setting 10: **80%**

Setting 2: **1%**

Setting 11: **90%**

Setting 3: **10%**

Setting 12: **100% (Kickdown)**

Setting 4: **20%**

Setting 5: **30%**

Setting 6: **40%**

Setting 7: **50%**

Setting 8: **60%**

Setting 9: **70%**

Functional description | Menu item 5

(available from LEIB CAN EXHAUST BASIC)

Behavior **START STOP** automatic (MSA)

Setting 1: **OFF** (**Factory setting**)

Setting 2: **ON**

Functional description | Menu item 6

(available from LEIB CAN EXHAUST BASIC)

Behavior ACTIVE SOUND DESIGN (ASD), engine sound through
loudspeakers

Setting 1: OFF

Setting 2: ON (Factory setting)

Functional description | Menu item 7

(available from LEIB CAN EXHAUST BASIC)

Behavior SOUNDTUNING, „pops and bangs“

Setting 1: OFF

Setting 2: ON (Factory setting)

Functional description | Menu item 8

(available from LEIB CAN EXHAUST BASIC)

ZERO EMOTION MODE (ZEM)

Setting 1: individual

Functional description | Menu item 9

(available from LEIB CAN EXHAUST PRO)

GPF / KAT MIL DELETE

Setting 1: OFF

Setting 2: ON (Factory setting)

Functional description | Menu item 10

(available from LEIB CAN EXHAUST PRO)

Behavior COLDSTART | CAT HEATING

Setting 1: OFF

Setting 2: ON (Factory setting)

Functional description | Menu item 11

(available from LEIB CAN EXHAUST PRO)

Behavior FLASHLIGHT, number of flashes

Setting 1: **0x (OFF) (Factory setting)**

Setting 10: **27x**

Setting 2: **3x**

Setting 11: **30x**

Setting 3: **6x**

Setting 12: **33x**

Setting 4: **9x**

Setting 5: **12x**

Setting 6: **15x**

Setting 7: **18x**

!! IMPORTANT !!

Setting 8: **21x**

You can test the flashlight settings within the menu.

Setting 9: **24x**

Functional description | Menu item 12

(available from LEIB CAN EXHAUST PRO)

Behavior FLASHLIGHT, response time high beam pitman arm

Setting 1: 0ms

Setting 10: 450ms

Setting 2: 50ms

Setting 11: 500ms

Setting 3: 100ms

Setting 12: 550ms

Setting 4: 150ms **(Factory setting)**

Setting 5: 200ms

Setting 6: 250ms

Setting 7: 300ms

!! IMPORTANT !!

Setting 8: 350ms

You can test the flashlight settings within the menu.

Setting 9: 400ms

Functional description | Menu item 13

(available from LEIB CAN EXHAUST PRO)

Behavior FLASHLIGHT, duration of the flashes

Setting 1: **6ms**

Setting 10: **24ms**

Setting 2: **8ms**

Setting 11: **26ms**

Setting 3: **10ms (Factory setting)**

Setting 12: **28ms**

Setting 4: **12ms**

Setting 5: **14ms**

Setting 6: **16ms**

Setting 7: **18ms**

Setting 8: **20ms**

Setting 9: **22ms**

!! IMPORTANT !!

You can test the flashlight settings within the menu.

Functional description | Menu item 14

(available from LEIB CAN EXHAUST PRO)

Behavior FLASHLIGHT, distance between the flashes

Setting 1: **80ms**

Setting 10: **260ms**

Setting 2: **100ms**

Setting 11: **280ms**

Setting 3: **120ms**

Setting 12: **300ms**

Setting 4: **140ms**

Setting 5: **160ms**

Setting 6: **180ms**

Setting 7: **200ms (Factory setting)**

!! IMPORTANT !!

Setting 8: **220ms**

You can test the flashlight settings within the menu.

Setting 9: **240ms**

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