

Technical training.
Product information.

G01 Displays & Controls



BMW Service

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BMW Group University
Technical Training

ST1701

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General information

Symbols used

The following symbol is used in this document to facilitate better comprehension or to draw attention to very important information:



Contains important safety information and information that needs to be observed strictly in order to guarantee the smooth operation of the system.

Information status and national-market versions

BMW Group vehicles meet the requirements of the highest safety and quality standards. Changes in requirements for environmental protection, customer benefits and design render necessary continuous development of systems and components. Consequently, there may be discrepancies between the contents of this document and the vehicles available in the training course.

This document basically relates to the European version of left-hand drive vehicles. Some operating elements or components are arranged differently in right-hand drive vehicles than shown in the graphics in this document. Further differences may arise as a result of the equipment specification in specific markets or countries.

Additional sources of information

Further information on the individual topics can be found in the following:

- Owner's Handbook
- Integrated Service Technical Application.

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The information contained in this document forms an integral part of the BMW Group Technical Qualification and is intended for the trainer and participants in the seminar. Refer to the latest relevant information systems of the BMW Group for any changes/additions to the technical data.

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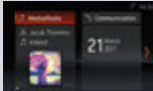
1. Controls

1.1. Introduction

1.1.1. New features in the G01

The G01 is largely based on the G30. This also applies to the display and operating elements.

The following table compares the new features and changes of the display and operating elements in the G01 with those in the G30:

Function	New feature/change
Controller 	Controller with 5 direct access keys without navigation
Central Information Display 	6.5" Central Information Display with a Headunit Basic 2
User interface 	ID6 user interface in conjunction with a 6.5" Central Information Display

1.1.2. Shared features with the G30

This product information describes the differences to the G30. Further information on the following topics is provided in the product information **G30 Display and operating elements**:

- Instrument panel
- Steering column switch in equipment specification that locks into place
- Head-Up Display (HUD)
- Gesture control

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1. Controls

- Multifunction steering wheel
- User interface ID6
- Driving experience switch

1.1.3. Overview of the interior

The interior and cockpit of the G01 are based on those of the G30. The following graphic shows the display and operating elements of the G01:



Overview of cockpit of G01

Index	Explanation
1	Instrument panel
2	Head-Up Display
3	Central Information Display (CID)
4	Intelligent Safety button
5	Air conditioning control panel and radio operating facility
6	Gear selector
7	Controller
8	Center console control panel
9	Multifunction steering wheel

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1. Controls

1.1.4. Radio operating facility

The G01 comes with 2 different radio operating facilities, depending on the equipment. The radio operating facility in conjunction with a Professional navigation system is already known from the G12 or the G30.



G01 Radio control panel

Index	Explanation
1	Change entertainment source
2	Press: Switch sound output on/off; turn: Set volume
3	Favorite buttons
4	Press once: Change station/track; press and hold: fast forward/rewind track

Further information on the radio operating facility in conjunction with a Professional navigation system is provided in the product information **ST1501 G12 Display and Controls**.

Further information on the heating and air conditioning controls is provided in the product information **G01 Climate Control**.

G01 Displays & Controls

1. Controls

1.1.5. Center console

The following graphic shows the operating elements in the centre console:



G01 Operating elements in center console

Index	Explanation
1	Gear selector
2	Controller
3	Parking brake
4	Automatic hold
5	Hill Descent Control (HDC)
6	Surround view camera
7	Parking Manoeuvring Assistant (PMA)
8	Driving experience switch
9	Dynamic Stability Control (DSC)

G01 Displays & Controls

1. Controls

Driving experience switch

The G01 comes with 2 different driving experience switches, depending on the equipment. The driving experience switch including ADAPTIVE mode is only installed in conjunction with the following optional equipment:

- Navigation system (OE 609)
- Dynamic Damper Control (OE 223).

The SPORT+ function is only integrated in the following models:

- BMW X3 30i
- BMW X3 M40i

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2. Instrument Cluster

2.1. Variants

Two different instrument clusters are installed in the G01, depending on the equipment:

- Extended and enhanced instrument cluster (standard)
- Dynamic digital instrument cluster (OE 6WB).



G01 Overview of the instrument clusters

Index	Explanation
1	Extended and enhanced instrument cluster (8.8" TFT display)
2	Multifunctional instrument display (12.3" TFT display)

The following product information documents provide further information on the instrument clusters:

Instrument panel	Product information
Extended and enhanced instrument cluster	ST1604 G30 Displays and Controls
Dynamic digital instrument cluster	ST1501 G12 Displays and Controls

G01 Displays & Controls

2. Instrument Cluster

2.2. Equipment

2.2.1. Extended and enhanced instrument cluster

The extended and enhanced instrument cluster is installed as standard equipment.



G01 Extended and enhanced instrument cluster

2.2.2. Dynamic digital instrument cluster

The optional dynamic digital instrument cluster (OE 6WB) has a 12.3" TFT display.



G01 Multifunctional instrument display

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3. Controller

3.1. Overview

Two different controllers are installed in the G01, depending on the equipment. A controller with 7 direct access keys with touch operation is already known from the G30. A controller with 5 direct access keys is new.

3.2. Controller with 5 direct access keys

A controller with 5 direct access keys is installed as standard equipment. The controller can only be tilted to the left or right. The keys for navigation (NAV and MAP) are not available in this controller.



TE17-0106

G01 Controller with 5 direct access keys

G01 Displays & Controls

3. Controller

3.3. Controller with 7 direct access keys

3.3.1. Professional navigation system

A controller with touch operation is installed in conjunction with a the navigation system (OE 609). The touch input is detected in the Headunit High 2.



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G01 Controller with 7 direct access keys and touch operation

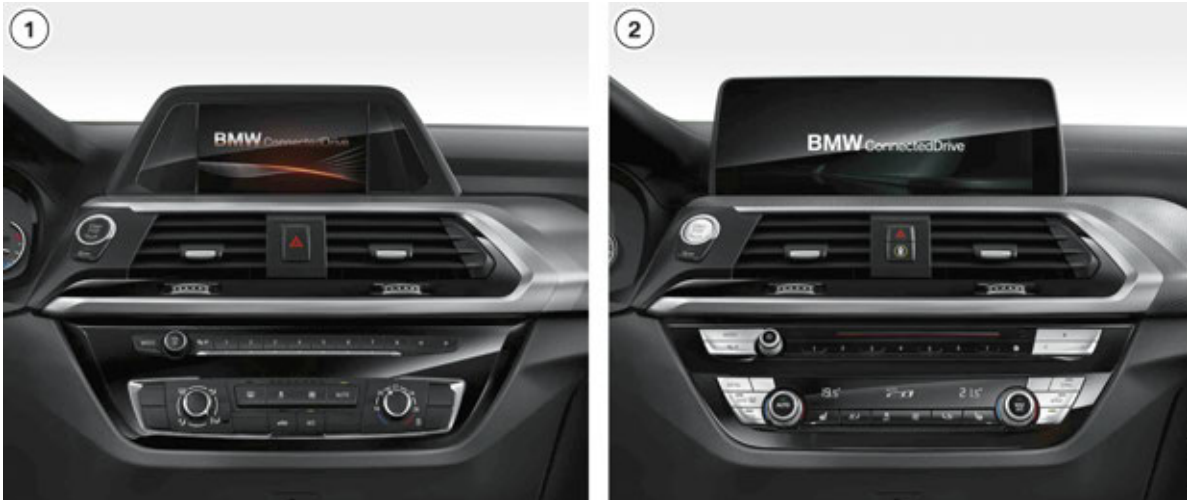
G01 Displays & Controls

4. Central Information Display

4.1. Overview

The G01 comes with 2 different Central Information Displays, depending on the equipment:

- Central Information Display with 6.5" screen
- Central Information Display with 10.25" screen incl. touch operation.



G01 CID 6.5" and 10.25"

Index	Explanation
1	CID 6.5"
2	CID 10.25" (Navigation System Professional OE 609)

Equipment	Central information display
Standard equipment	CID 6.5" without touch operation
Navigation System Professional (OE 609)	CID 10.25" with touch operation

4.2. Touch operation

The G12 as well as the G30 with a Professional navigation system had, in conjunction with the CID touch operation, infrared LEDs integrated in the housing of the CID. Their task was to detect a hand moving toward the CID. If a hand was detected, the interface switches to a resolution that is optimized for touch operation. The new ID6 user interface is already optimized for touch operation. This is why infrared LEDs are no longer required. At a later time, the infrared LEDs will be completely omitted.

G01 Displays & Controls

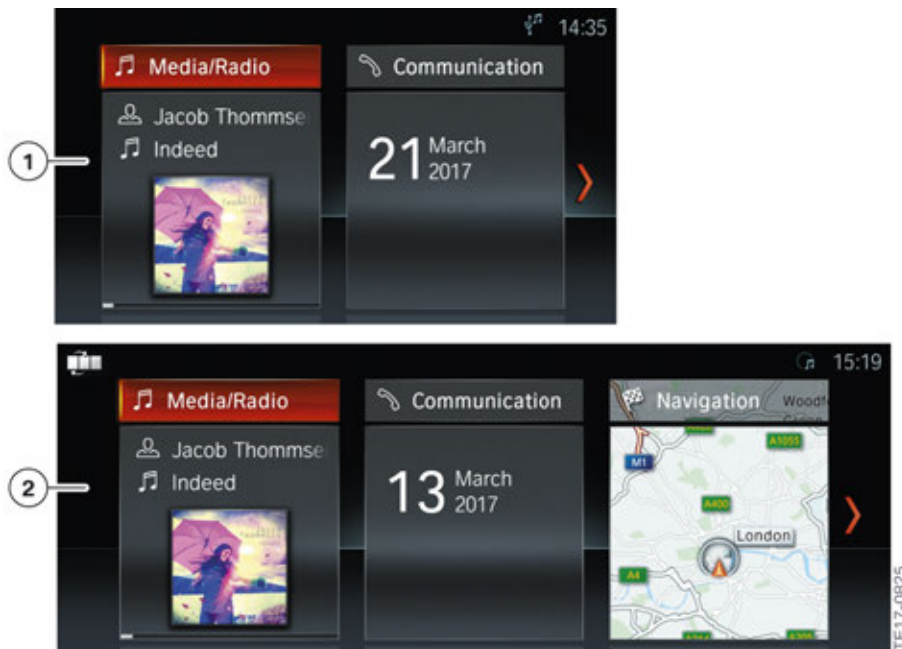
4. Central Information Display



G01 Elimination of infrared LEDs

4.3. User interface

The following graphic shows a comparison of an enlarged representation of the main menu of a 6.5" CID and a 10.25" CID :



G01 Comparison of Central Information Displays' main menu

G01 Displays & Controls

4. Central Information Display

Index	Explanation
1	Main menu of a 6.5" CID
2	Main menu of a 10.25" CID

4.3.1. 6.5" Central Information Display



G01 Central Information Display CID 6.5"

In the 6.5" CID the main menu is available with 5 tiles.



G01 Main menu display 6.5"

Index	Explanation
1	Main menu 6.5" (standard equipment)

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5. Head-Up Display

5.1. Overview

The Head-Up Display HUD (OE 610) offered as optional equipment in the G01 has a 70% larger display size than the predecessor model F25. The larger display provides the platform for a new display concept in the Head-Up Display with new features and extremely high-quality graphics.



G01 Head-Up Display

Further information on the operation of the Head-Up Display is provided in the product information **ST1501 G12 Displays and Controls**.

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6. Multifunction Steering Wheel

6.1. Assistance systems

The following graphic shows the buttons on the multifunction steering wheel for the operation of the assistance systems. A list of the different multifunction steering wheels is provided in the product information **G01 Driver Assistance Systems**.



G01 Buttons for assistance systems on multifunction steering wheel

Index	Explanation
1	Steering and lane guidance assistant ON/OFF
2	Cruise control ON/OFF
3	Set speed
4	Set speed
5	Reduce/increase distance to the vehicle ahead
6	Stop cruise control/resume cruise control with last setting

G01 Displays & Controls

6. Multifunction Steering Wheel

6.2. Multimedia

The following graphic shows the buttons on the multifunction steering wheel for the operation of the multimedia systems.



G01 multimedia buttons on multifunction steering wheel

Index	Explanation
1	Change entertainment source
2	Increase volume
3	Reduce volume
4	Voice control
5	Telephone
6	Selection lists

G01 Displays & Controls

6. Multifunction Steering Wheel

6.3. Steering wheel heating

The steering wheel heating button is no longer installed on the side of the steering wheel but is now located centrally on the spoke for easier operation.



G01 Multifunction steering wheel heating button

Index	Explanation
1	Steering wheel heating



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