BMW Head-Up Screen

Operating Instructions

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FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: WHBBMWHUS

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF EXPOSURE WARNING! This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Please read before use

General information

Dear customer,

By purchasing the BMW Head-Up Screen you have acquired a product that supports driving safety and comfort by indicating important vehicle and navigation information within your visible range.
The screen is installed on the instrument panel and positioned at the same height as the steering wheel. All information is therefore available within the driver's direct field of vision. Drivers no longer need to take their eyes off the road and have all relevant information on display at all times.
Vehicle data such as speed, cruise control, frost warning, sea level, power, torque and a fuel reminder from a remaining range of 50 km are displayed.

The "Garmin HUD" app for your iOS or Android smartphone, which is included in the scope of delivery, provides fully functional navigation with turn-by-turn (arrow display) instructions and corresponding additional information such as the calculated time of arrival, speed limits and current traffic information (congestions).

BMW recommends that you only use parts and accessory products that have been tested and approved by BMW in terms of their safety, function and suitability. If you have any questions while using your BMW Head-Up Screen, contact your local BMW centre. Read these operating instructions carefully before using your BMW Head-Up Screen.

Safety instructions and important information

For your own safety, please read the safety instructions carefully to avoid causing injury to yourself and/or other road users. Applicable safety regulations always take precedence here.

Using the smartphone

Please do not operate your smartphone while driving.
To avoid being distracted during the journey, please connect the Head-Up Screen to the smartphone before starting the engine or departure. This also applies when entering your destination.

For safety reasons, your smartphone does not have an Internet connection while connected to the Head-Up Screen. Only the live navigation services (traffic news, etc.) are connected to the Internet. Please note that additional roaming charges may be incurred when travelling abroad if you have activated the data roaming function in your smartphone.

To access the Internet services of your smartphone with other applications, please switch off the Head-Up Screen via the vehicle ignition, fold down the display or terminate the WLAN connection in your smartphone with the Head-Up Screen.

Operating temperature

If the Head-Up Screen should exceed the permissible operating temperature, your Head-Up Screen will only be activated when the ignition is switched on and when the permitted interior temperature has been reached. This may possibly take several minutes.

Display brightness

The brightness of the Head-Up Screen automatically adapts to the brightness of the instrument panel lighting of your vehicle. It can, however, still be manually adapted via the instrument panel light control in the vehicle or via the settings in the "Head-Up Screen app".
Note: Changes of the brightness of the Head-Up Screen via the instrument panel light control only work when parking lights or low beam headlights are switched on.
For information regarding the regulation of the instrument panel lighting, please refer to the instructions in your BMW vehicle manual.
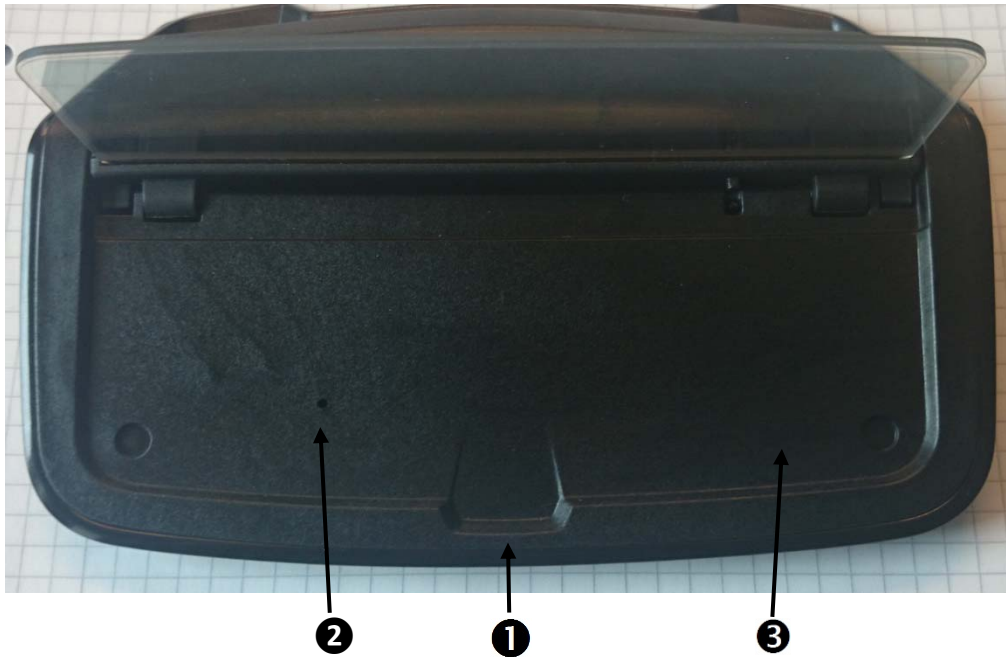Please make sure that the display is not too bright when driving in the dark, so that your vision is not impaired.

Cleaning / care

We recommend that you use a soft, dry cloth for cleaning the Head-Up Screen. A suitable microfiber cloth is included in the scope of delivery.

Please do not use any other cleaning agents, as they may cause damage to the product. In case of heavier soiling, it is advisable to moisten the cloth with a little water.
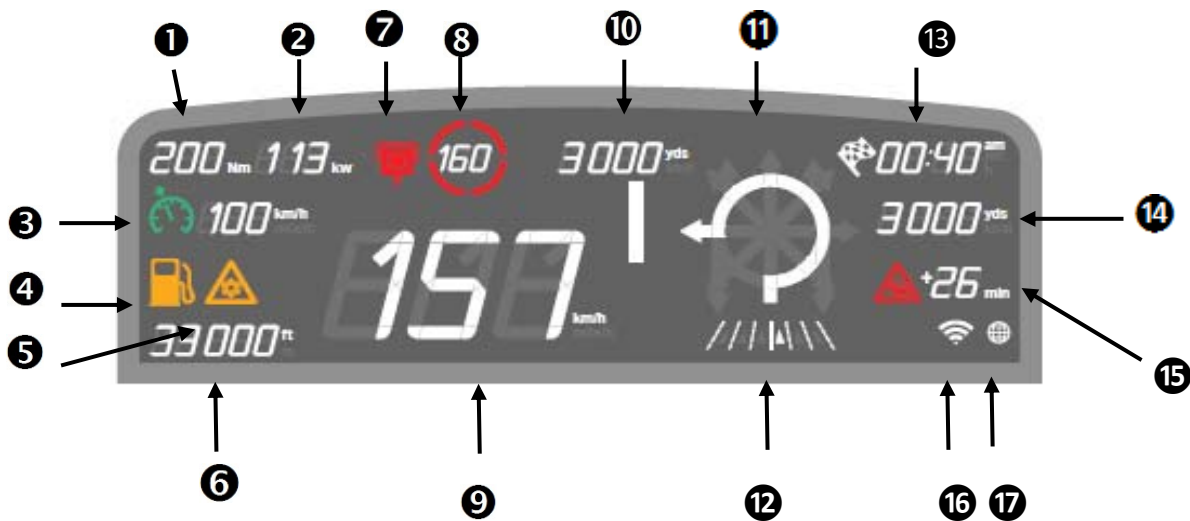
Product description

1. Recess for opening the screen
2. Reset button
   The Head-Up Screen can be restored to factory settings using a paperclip. Subsequently you have to login again using the factory WLAN access data.
3. NFC contact point (Near Field Communication is an international transmission standard for the contact-free exchange of data via radio technology over short distances of only a few centimetres)
   You can automatically start the Head-Up Screen app here on NFC-compatible smartphones.

Screen display

1. Torque (Nm)
2. Power (kW)
3. Cruise control including set speed
4. Fuel reminder, lights up for 30 seconds from a range of 50 km or 31 mi
5. Black-ice warning, lights up for 30 seconds at temperatures below 3°C or 37°F
6. Height above sea level (only in conjunction with Navigation Professional SA 609)
7. Warning of hazardous areas (the respective country-specific regulations must be observed)
8. Speed limit
9. Speed of your vehicle
10. Distance to next turning manoeuvre
11. Route and turning instructions
12. Lane assistant
13. Estimated time of arrival or remaining travelling time
14. Distance from destination
15. Traffic-related delay
16. WLAN connection to smartphone/navigation
17. Connection to live services

Note:

Head-Up Screen settings can be made using the "Head-Up Screen app".

Installation / Putting into operation

The vehicle data is automatically displayed when the ignition is switched on. All other data is displayed as soon as a smartphone is connected or navigation is started.

The following system prerequisites are necessary in order to use the smartphone functions:

Android: from Android 4.0 and higher (Android 2.2 with restrictions)
iOS: devices from iPhone 4 with iOS 6 and higher

Install the free BMW "Head-Up Screen app" on your smartphone. It can be found in the respective app store: iTunes (iOS) or Google Playstore (Android).

Also install the navigation app "Garmin HUD" and load the desired map material onto your smartphone. For this, please follow the installation instructions for the app.

As the "Garmin HUD" application contains large quantities of data, we recommend that you only load the data via a WLAN connection.

Both apps are free of charge and included in the scope of delivery.

To activate the "Garmin HUD" app, please subsequently connect yourself to your Head-Up Screen via WLAN. Your navigation application is now activated for 30 days and always automatically extends itself by a further 30 days when you connect to the Head-Up Screen. Therefore, you can also use the navigation independently of your Head-Up Screen. You may also install the application on several smartphones to enable other users of the vehicle to also use the Head-Up Screen. This does not entail further costs for any user.

Once the WLAN in your smartphone has been activated and the "Garmin HUD" app has been started, your smartphone automatically connects to the Head-Up Screen and displays relevant information on your Head-Up Screen, even without active navigation (e. g. speed limit).

You can activate and deactivate the warning of hazardous areas in the "Garmin HUD" app. Prior to use, obtain information about the legal regulations in your place of destination.

Connecting a smartphone to the Head-Up Screen

After the successful installation of the "Head-Up Screen app" and the "Garmin HUD" app, you must connect your smartphone to the Head-Up Screen (WLAN).

Switch on the ignition of your vehicle and open the display of the Head-Up Screen.

Under the "WLAN" settings in your smartphone, search for the WLAN Access Point with the SSID "Head-Up Screen" and connect yourself.

The standard password is: "1234567890"

Please note that there must always be a WLAN connection to the Head-Up Screen for the use of the navigation function. The "Garmin HUD" app must be started.

Note:
To make sure that the connection between the Head-Up Screen and your smartphone is not disconnected when your smartphone switches to the energy-saving mode or when you switch off the screen, you must adjust the energy-saving setting in your smartphone so that GPS and WLAN remain active in the energy-saving mode. For this, please read the operating instructions for your smartphone. If, however, your smartphone terminates the connection when the battery charge is low, please connect your smartphone to the power supply so that it can be charged. This ensures a reliable WLAN connection.
The WLAN connection is interrupted each time you turn off the ignition of your vehicle (e.g. when stopping for fuel). When you restart your engine it may be necessary to briefly activate your smartphone screen to re-establish the WLAN connection.

Important:
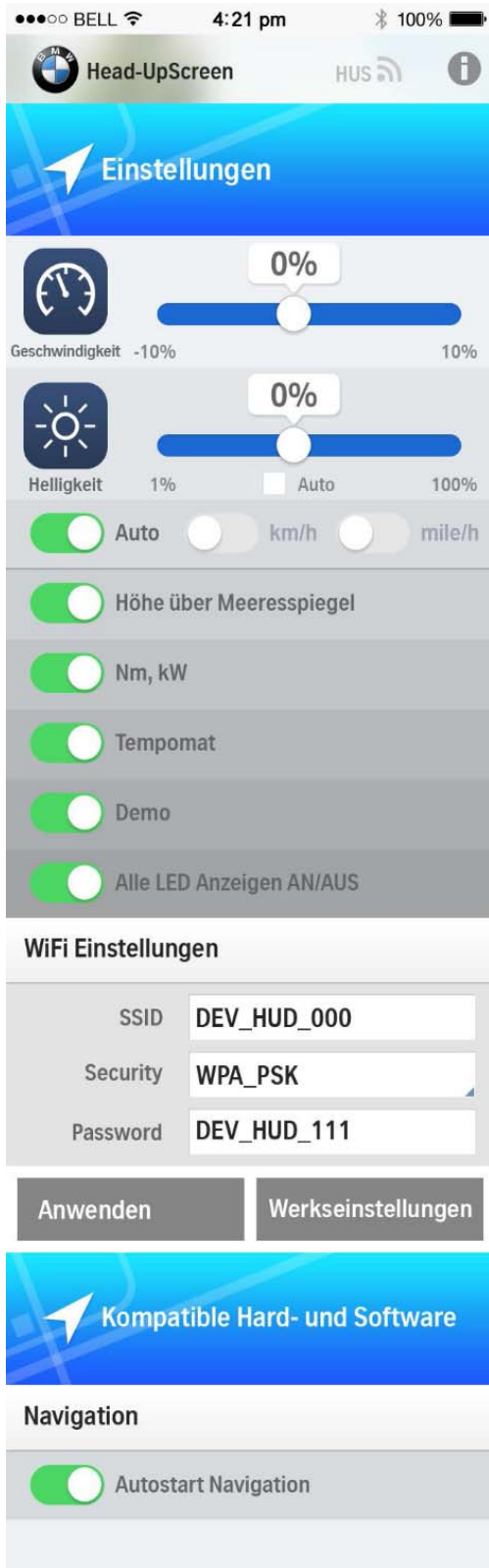We recommend that you continuously charge the smartphone during navigation.

If, with the navigation function active, your Head-Up Screen does not display any navigation instructions (turn-by-turn instructions), but only the calculated time of arrival and distance from destination, this may be due to the fact that your smartphone currently has no valid GPS signal for position tracking or that you are not within the digitalised road network. In the event of an invalid or weak GPS signal, please position your smartphone in a place inside the vehicle with a better and, if possible, clear view of the sky.
Note: Vehicle window glass with special coating may impair the reception quality of the GPS signal.

Settings

Various settings can be changed using the "Head-Up Screen app" (see illustration).

❶ **Adaptation of the speed**
Close coordination of the speed display to the vehicle. Depending on the vehicle type it may be necessary to adapt the digital display of the Head-Up Screen to the behaviour of the analogue pointer display of the speedometer.

❷ **Adaptation of screen brightness**
In "Auto" mode, your Head-Up Screen adapts to the settings of the instrument panel lighting of the vehicle. In addition, the brightness can be individually adapted here. If you remove the check mark at "Auto", the display can be controlled entirely independently of the vehicle. Pay attention that your are not dazzled in the dark.

❸ **Units. Select your desired setting**

❹ **On/Off of the height above sea level display**

❺ **On / Off of the Nm, kW display**

❻ **On /Off of the cruise control display**

❼ **On / Off of demo mode**

❽ **Displays of all LED segments** (test mode)

❾ **WLAN settings** Here you can change the WLAN settings of your Head-Up Screen. For security reasons, we recommend that you assign a new password. Please observe that in this case you must reconnect to the Head-Up Screen.

Start of navigation - manual

❿ **Start of navigation - automatic**

Technical data

– Transparent OLED display
– Screen dimensions: 125 mm x 42 mm
– Luminance: Approx. 800 cd/m² (max. 1,100 cd/m²)
– Screen transparency: approx. 55% (max. 65%)
– Operating temperature: -25°C ~ +70°C
– Humidity: up to 90%

Scope of delivery

– Head-Up Screen including navigation for Europe and North America (Garmin HUD app)
– Control unit
– Wiring harness
– Mounting material
– Microfiber cleaning cloth
– Operating instructions

Disposal of electronic devices (WEEE directive)
This symbol on the product or its packaging indicates that this product must not be treated as household waste. In line with the EU Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

Imprint
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Service
If you have any questions while using your BMW Head-Up Screen, contact your local BMW centre.