

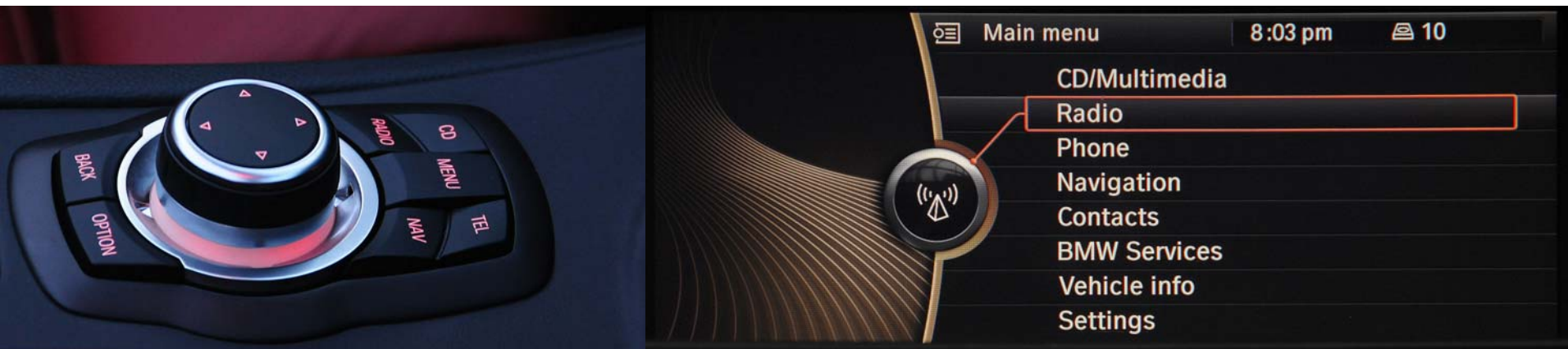
Navigation system – BMW Professional Multimedia

Product News – September 2008

In September 2008 option 609, BMW Professional Multimedia Navigation system, will be revised on the following models:

- 1 Series
- 3 Series
- 7 Series

The updated system includes a new iDrive Controller with shortcut buttons, together with a more intuitive iDrive menu system.



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Key Functionality Overview

The highlights of the new system are as follows:

- New iDrive Controller with more intuitive operation
- High resolution Control Display with vibrant screen
- Revised iDrive menu structure
- Interactive help with on screen description of function
- Built in hard disc drive for improved speed of operation and data storage
- More detailed navigation map
- New navigation options and settings to enhance route planning
- Multimedia capability with 8GB storage for audio files
- Improved voice control
- New layout for Favourite buttons with new direct function keys (model specific)

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New iDrive Controller and Control Display

The new iDrive Controller now features shortcut buttons.

These provide access directly to systems which are regularly used by the driver:

- CD / Multimedia
- Radio
- Telephone
- Navigation



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New iDrive Menu Structure / Screen Navigation

The “turn-press-slide” system previously used has been enhanced.

From the Main menu a sub menu is selected by turning the controller and pressing down. To then navigate to the sub menu you then tilt to the right to open each further sub menu. This opens a window on top of the last screen. Tilting to the left moves back a screen.

Using any of the shortcut buttons (CD, RADIO, TEL, NAV) at any point returns the user to the last screen used within that menu.

The other controller buttons function as follows:

- MENU Returns you to the Main menu
- BACK Back to the previous screen, for up to 30 steps
- OPTIONS Some sub menus have settings and specific functions that can be set by using this button

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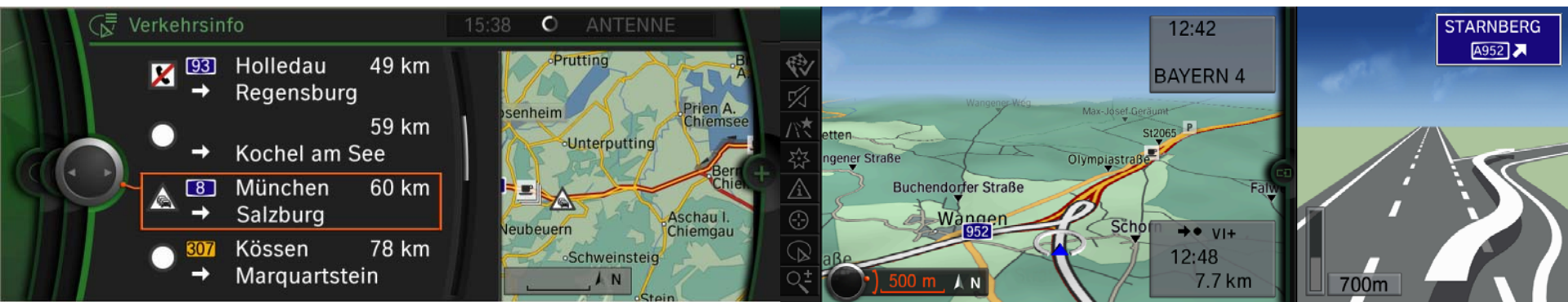
Hard disc drive

The new system is hard disc based rather than running from a DVD map. This provides the following benefits:

- Improved speed of operation
- Factory installed navigation map
- Storage capability for other data
- Single DVD Drive in dashboard

The navigation map can be updated by:

- Workshop programming system
- Loading an update disc in the DVD Drive

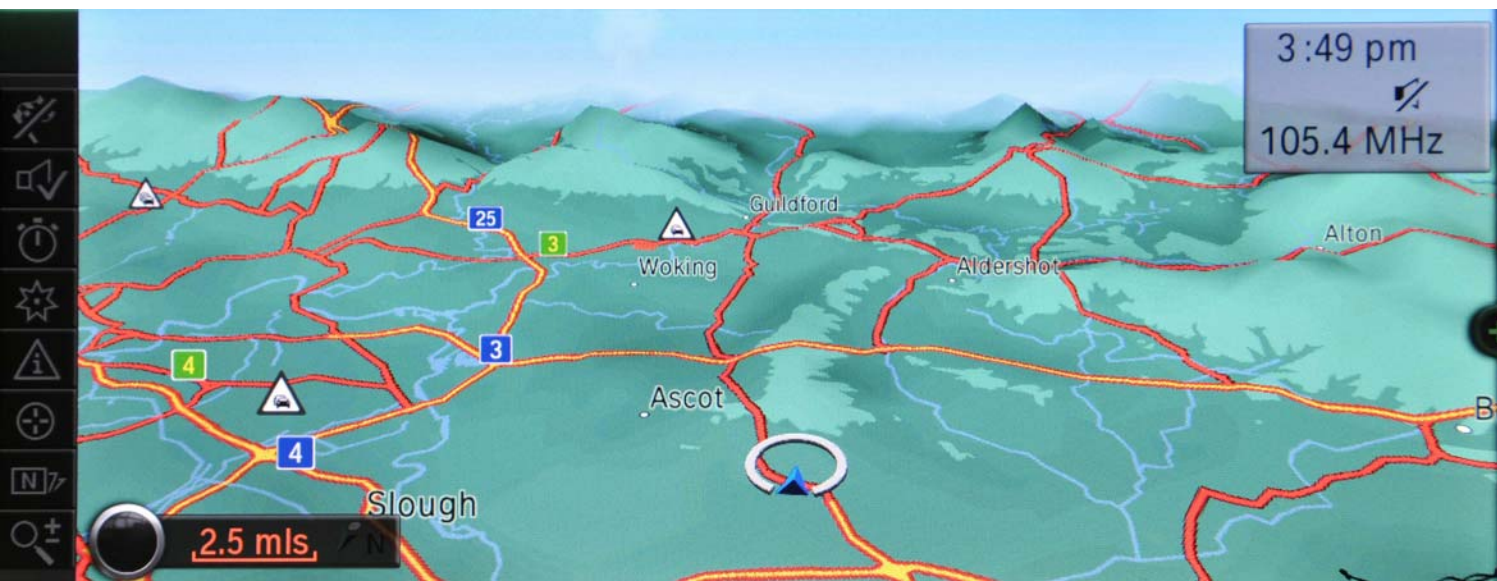


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Navigation Enhancements – Route Planning

The new navigation map provides route planning enhancements:

- Full screen mode
- 3D perspective view
- Assistance window
- Height mode
- Night view
- Travel planner (multiple stop-off points along one route)



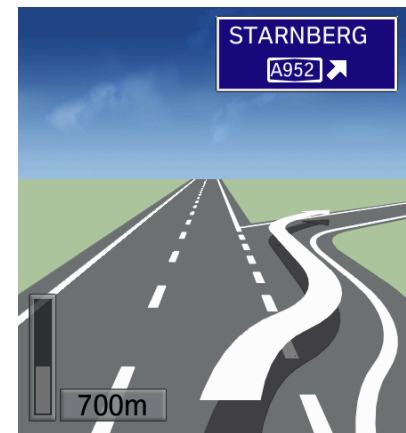
Full screen mode
showing 3D
perspective view

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Navigation Enhancements – Assistance Window

The following changes have been made to the functionality available within the Assistance Window:

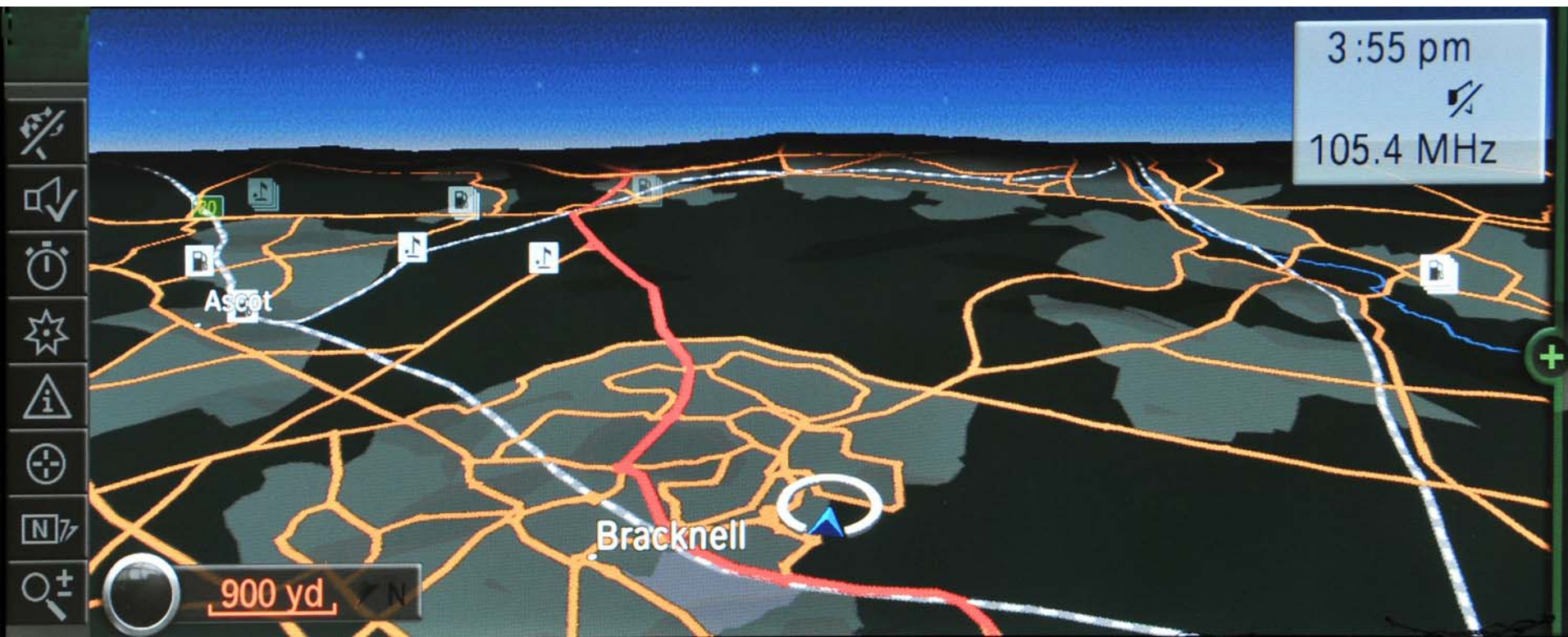
- Zoom in / out separately from the main window
- With manual navigation destination entry, after input of several characters, a wizard type list is displayed
- Any list containing locations will be displayed in a map in the assistance window (eg. points of interest, traffic information)
- If a route is planned, the Assistance Window will highlight it, making it easy to see where a location is in relation to the route
- Entertainment details allows you to display details of the music you are currently playing
- When a destination is set the Road junction zoom is an option that will show an enlarged graphic of the junction exit on your planned route



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Navigation Enhancements – Night View

You are now able to select a night view for the navigation map.



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Navigation Enhancements – Travel Planner

The new navigation system can also be used as a travel planner to plan routes with up to 30 stop-off points.

When you set-up a route you can freely insert new addresses into anywhere between the start point and the destination.

When a stage destination is reached the navigation system automatically sets the next destination.

You can also reverse the direction of the route and save routes you have created for future use.



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Multimedia Capability – Music Storage

The hard disc drive provides 8.0GB storage for audio files.

Music can be stored on the hard disc from three sources:

- Audio CD
- Data CD/DVD
- USB device in data port

Usable storage capacity on the hard disc is 7.6GB, this will hold circa 2,000 songs at 128kbits/s.

Audio CD

- ‘Save music to car’ function ‘rips’ the music to hard disc drive
- Music is converted into a WMA file with a fixed data rate of 128 kbits/s and is saved on the hard disc drive
- Music can be played while the music is saved
- Audio CD’s ripped and saved to the hard disc drive are shown in the music collection with a CD icon by the corresponding title

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Multimedia Capability – Music Storage

Data CD/DVD

- ‘Save to vehicle’ function copies audio files from a data CD or DVD to the hard disc
- MP3, WMA and AAC formats are compatible
- Audio copied to the hard disc drive is shown in the music collection with a folder icon by the corresponding title

USB device

- ‘Import New Music (USB)’ function copies audio files from a USB device to the hard disc
- MP3, WMA and AAC formats are compatible
- Audio copied to the hard disc drive is shown in the music collection with a folder icon by the corresponding title
- The new navigation system includes a new USB data port hidden in the glove box to import the music, this USB data port cannot be used to play audio files
- You cannot import music to the hard disc drive from option 6FL USB audio interface, located in the arm rest

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Multimedia Capability – USB Data Port

The new USB data port in the glove box can be used export all of the audio files from the hard disc drive, onto an external USB device.

This facility is for the customer to use if the vehicle is to visit the workshop, or if the customer is changing their vehicle.

Exported audio files can be imported back to the vehicle by uploading via the USB data port.

Note:

It is not possible to play music files that feature copy protection, although they will be copied to the hard disc drive from CD/DVD or USB device.

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Multimedia Capability – Audio Catalogue Search

The CD / Multimedia menu includes a sub-menu which allows you to search the audio you have saved using the following criteria:

Genre / Artist / Album / Track

To enable use of this facility every audio file stored in the car must be encoded with data (it is called the ID3 tag). This information is not always available on an audio CD.

On the hard disc drive there is 4GB space allocated to a database called Gracenote. This database is accessed when an audio CD is ripped and the audio file is saved with the track data if it is available.

There will be additional options for BMW ConnectedDrive customers to supplement missing data. The Gracenote database can also be updated during a workshop visit.

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Additional Enhancements

Bluetooth telephone integration

The new system supports PIM services (Personal Information Manager.)

Future bluetooth handsets we recommend with PIM services will transfer the phone's contact data to the hard disc, this will include contact addresses held in the phone memory.

The car will have a 'Central address book'.

Information transferred by the phone will appear in all relevant menus (phone menu, navigation address book and Contacts.)

Voice Control

Improved voice control (where fitted.)