

**Owner's Manual for
Bluetooth® Upgrade Module**



Congratulations on the purchase of your new Bluetooth® Upgrade Module (BTUM).

Now that you have your Bluetooth® Upgrade Module, here's what you can expect from it:

- Latest technology: BMW again brings the latest in-vehicle communication advances to your driving experience.
- Convenience: Your phone can be kept in your pocket, purse, or briefcase and still be used hands-free.
- Flexibility: Choose from a selection of compatible Bluetooth phones – up to two phones can be used with the system.

Notes

Using this Owner's Manual

This manual is to be used as a complement to your BMW communication system handbook. Once you have successfully paired and connected your mobile phone to your BTUM using this manual, please refer to the communications system handbook included with your vehicle for complete instructions on operating the phone system.

For operation of your mobile phone, please refer to the Owner's Manual supplied with your mobile phone.

Should the day arrive when you wish to sell your BMW, please remember to hand this Owner's Manual to the next owner; it is an important part of the vehicle.

If you have any additional questions, your BMW center will be glad to help you.

Symbols used



Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle or the mobile phone.



Contains information that will assist you in gaining the optimum benefit from your mobile phone.

▲ Marks the end of a specific item of information.

* Indicates special equipment, country-specific equipment and optional extras when available.

Status at time of printing

BMW pursues a policy of continuous, ongoing development of the equipment and accessories that ensures the highest quality standards combined with advanced, state-of-the art technology for BMW products. For this reason, the features described in this Owner's Manual could differ from those in your vehicle. You are therefore asked to appreciate that no claims can be recognized on the basis of the data, illustrations or descriptions in this Owner's Manual.

Compatibility

The BTUM is compatible only with BMW vehicles equipped with the CPT9000 phone interface for Motorola V60 series mobile phones.

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Safety notes

For your own safety

A mobile phone provides a range of services and may even be employed to save lives. Safety instructions are contained in the separate Owner's Manual for your mobile phone. Please also note the following additional information:

Settings



Only adjust the settings when the vehicle is at a standstill to avoid endangering yourself and other road users. ▲

Using the mobile phone in the car



Using a handheld mobile phone while driving is dangerous and is illegal in many cities. Therefore, use the hands-free system or park in an area where you do not endanger yourself or traffic. ▲

Using the mobile phone in the vicinity of the car



Do not use your phone in garages, at gasoline stations or in the vicinity of an open engine hood. ▲

Antenna



Ensure that no one is located within 20 in/50 cm of the external antenna when using the telephone. Do not use your mobile phone if the antenna is damaged. Skin contact with a damaged antenna can cause minor burns.

Have a damaged antenna replaced immediately. ▲

Overview

Bluetooth® wireless technology is a short range radio frequency, where signals are transmitted through the airways.

Hands-free system

The hands-free microphone is located either in the headliner or on the steering column depending on your vehicle.

The hands-free system is switched on automatically when you make or receive a call using the following equipment:

- ▷ Button on the steering wheel
- ▷ Control display
- ▷ Onboard monitor*
- ▷ Multi-information display (MID)

As soon as you make a call with the hands-free system, the other audio sources are automatically muted.

Adjusting the volume

You can adjust the volume of the hands-free system during a phone call:

- ▷ by using the buttons on the multi-function steering wheel.
- ▷ by using the volume control knob on your onboard monitor, MID or radio.

The volume of the hands-free system stays at the level set here even if you lower the volume of other audio sources to a minimum.

Getting started with your Bluetooth® wireless technology phone.

The principle

The BTUM is a Bluetooth wireless technology upgrade module. As soon as you have performed a one-time pairing procedure in the car, you will also be able to operate your Bluetooth wireless technology mobile phone via:

- ▷ iDrive Monitor*
- ▷ The onboard computer* or the MID*
- ▷ The buttons on the steering wheel*
- ▷ The voice input system*

This feature requires a BMW recommended mobile phone that supports the Bluetooth wireless technology interface.

Up to two mobile phones can individually be paired to the BTUM. Each mobile phone that is paired is automatically connected when the BTUM is powered on – such as when the ignition is on or when the vehicle is unlocked. Your phone will remain connected for several minutes after ignition is turned off or until the Bluetooth signal range is exceeded (10 meters or 30 feet).

Please ask your BMW center, or see www.bmwusa.com, for details of which mobile phones are supported.

While using BMW Assist, you will not be able to operate your mobile phone until after you have completed the service.

What is...?

Bluetooth wireless technology – a short range radio frequency technology standard that allows several Bluetooth wireless technology enabled phones to communicate with the vehicle.

Pairing – One time procedure, which enables two Bluetooth wireless technology enabled devices to communicate.

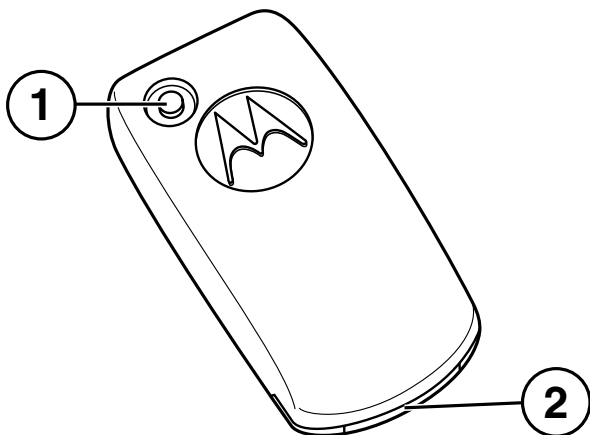
Connectable – Phone that has been paired and actively seeking connection to the car.

Device Search – Setting the Bluetooth wireless technology phone to look for other pairable Bluetooth wireless technology enabled devices. See phone manual for device search procedure.

Passkey – Fixed or adjustable PIN used for pairing.

Friendly Device Name – Name assigned to your Bluetooth wireless device.

Bluetooth® Upgrade Module (BTUM)



1. LED and Push Button

▷ The LED flash patterns indicate the BTUM's status.

- Fast Flashing: BTUM in Discover Mode (ready for pairing with phone)
- Continuous Illumination: Bluetooth phone is paired with system
- Slow Flashing: Previously paired phones not available
- Extra-Fast Flashing: BTUM error
- No Illumination: BTUM not connected to the vehicle.

▷ Push Button

- Press for 3 or more seconds to put BTUM into Discover Mode.
– or –
- Press for approximately one second for phonebook update.

2. Module Connector

▷ The BTUM has the same connector as the Motorola V60 series phone originally designed for your system.

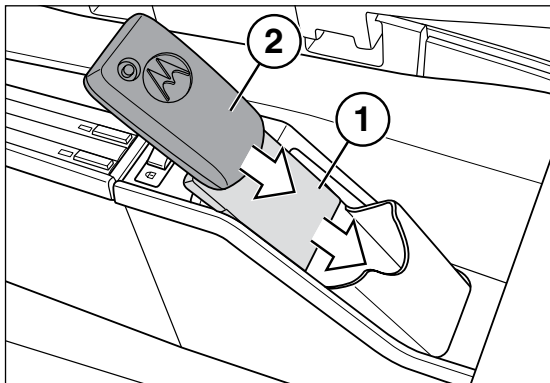
Placing your BTUM into your 7 Series eject box.



Do not insert the module into the vehicle until you are ready to pair your phone.

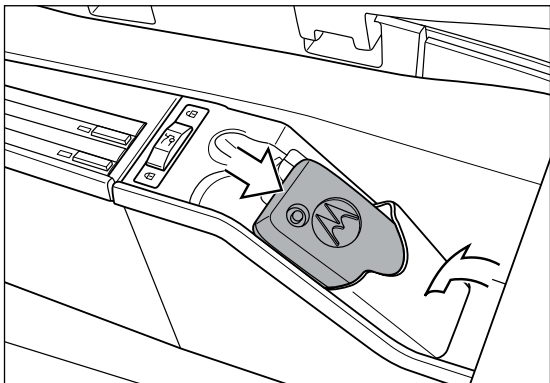


BTUM is compatible with 7 Series vehicles produced from January 2003 through February 2005.



1. Spacer 2. BTUM

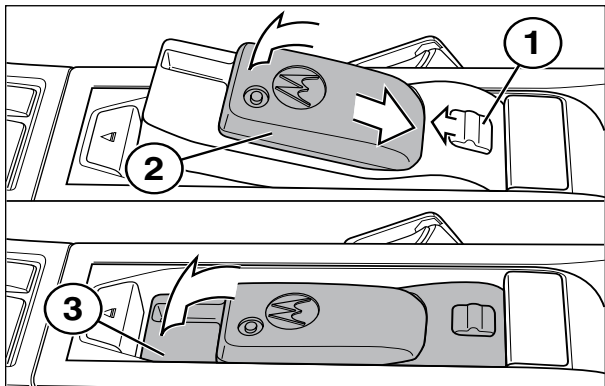
- ▷ Insert correct spacer (P/N 6 922 575)
- Remove existing spacer.
 - Insert new spacer included in your BTUM Kit.



▷ Insert the BTUM into eject box

- Insert the BTUM into eject box in same way as your original Motorola V60 series phone.
- Make sure BTUM inserted properly (LED will begin to flash shortly after proper insertion).

Placing your BTUM into your eject box. (All vehicles except 7 Series)

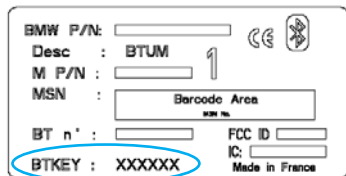


- ▷ Move slider ① to forward position to correctly retain the BTUM in eject box.
-  Failure to correctly insert BTUM may result in erratic behaviour or non-functioning phone system.
- ▷ Insert the BTUM ② into the eject box
 - Insert the BTUM ② into eject box in same way as your original Motorola V60 series phone. Push BTUM ② down until cradle ③ clicks into place. For further details, refer to your owner's manual.
- ▷ Spacer included in kit is not required for vehicles other than the 7 Series.

Pairing a phone to the BTUM.

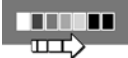
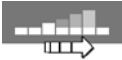
In order for your compatible Bluetooth mobile phone to function with the BTUM, an initial “pairing” process is required. This allows the system and the phone to “meet” each other and create a secure connection.

- ▷ Pairing mode is automatically activated the first time BTUM is inserted into the eject box. To confirm the BTUM is in pairing mode, please refer to the chart titled “User Messages – Pairing Mode” on page 14.
 - If BTUM does not enter pairing or for subsequent pairings, press Push Button for greater than 3 seconds (refer to Pairing Mode chart)
- ▷ From phone, search for Bluetooth devices
 - For Bluetooth operation on your mobile phone, refer to your phone’s owner’s manual
- ▷ When prompted on handset, select device named “BMW BTUM”
- ▷ Enter passkey (passkey is located in lower left of BTUM label as shown below)



User Messages – Pairing Mode

BTUM status is shown in both BTUM LED and signal strength indicator on vehicle display

	Pairing Mode
5 Series, 6 Series, 7 Series	LED on BTUM will be flashing and phone system signal strength indicator will cycle from 1-4 bars as indicated here: 
3 Series, X3, X5, Z4 (except X5 with MID display)	LED on BTUM will be flashing and phone system signal strength indicator will cycle from 1-4 bars as indicated here: 
X5 (with MID display)	LED on BTUM will be flashing and phone system signal strength indicator will cycle from 1-4 bars as indicated here: 



Please consult your vehicle's phone system manual for help locating the signal strength indicator.



Once the BTUM is inserted into the eject box, the signal strength does not display the phone's signal strength but is instead used to indicate BTUM status as described here.

User Messages – Phone Connected / Not Connected

BTUM status is shown in both BTUM LED and signal strength indicator on vehicle display

	Phone Paired But Not Connected	Phone Paired and Connected
5 Series, 6 Series, 7 Series	LED on BTUM will flash slowly. Phone system signal strength indicator will display 0 signal bars as indicated here: 	LED on BTUM will be illuminated. Phone system signal strength indicator will display 3 signal bars as indicated here: 
3 Series, X3, X5, Z4 (except X5 with MID display)	LED on BTUM will flash slowly. Phone system signal strength indicator will display 0 signal bars as indicated here: 	LED on BTUM will be illuminated. Phone system signal strength indicator will display 3 signal bars as indicated here: 
X5 (with MID display)	LED on BTUM will flash slowly. Phone system signal strength indicator will display 0 signal bars as indicated here: 	LED on BTUM will be illuminated. Phone system signal strength indicator will display 3 signal bars as indicated here: 

 Please consult your vehicle's phone system manual for help locating the signal strength indicator.

 Once the BTUM is inserted into the eject box, the signal strength does not display the phone's signal strength but is instead used to indicate BTUM status as described here.

Placing, receiving and ending a call.

Via Vehicle Interfaces

Usage of the dialing features via the steering wheel, audio system voice recognition and displays is described in the Communications section of the vehicle handbook.

The BTUM phonebook.

The BTUM is capable of storing 500 phonebook entries. If more than 500 entries are present, only the first 500 will be stored. Duplicate or empty entries will be ignored. If your handset uses a SIM card and is capable of storing a SIM phonebook, these entries will also be transferred to the BTUM. Phonebook entries from your handset are stored first, then entries from the SIM card until the 500 entries are filled.

EXAMPLE: Phone with 400 entries on phone and 200 on SIM – 400 entries from phone and 100 from SIM would download.

Names of up to 12 characters and phone numbers up to 18 digits are accepted. Support of special characters - such as accents and pauses - depends on phone model.



Use of non-approved phones may not allow full phone functionality and/or phonebook download.

-  Phonebook download may take longer than 3 minutes if a call is placed during the phonebook downloading process.
-  When your paired phone is disconnected or goes out of Bluetooth range, the phonebook in your vehicle will be cleared.

Updating the phonebook.

Your handset's phonebook is copied at the time of pairing. If entries are added to your mobile phone at a later time, they will not automatically appear on your vehicle's display. Pressing the push button on the BTUM for approximately 1 second will initiate a new phonebook download from the currently paired phone to the vehicle. The phonebook in your vehicle will refresh in approximately 2 - 3 minutes and the newly added entries will be accessible.

-  Be sure to press the button on the BTUM for only 1 second. Holding the button longer will cause the BTUM to enter pairing mode. If this happens, the LED will flash and you will have to pair your phone again to the BTUM.
-  Phone book is also downloaded to the BTUM at time of phone pairing.

Troubleshooting

Problem	Corrective Action
Vehicle display shows “Phone Connected?” message and phone system will not operate.	• BTUM may not be correctly inserted in phone cradle. Please check that blue LED on BTUM is illuminated (solid or blinking). • If vehicle is a 7 Series, please verify that correct spacer included in your kit has been inserted correctly in phone cradle along with BTUM. • If problem persists, please contact your BMW center.
Phone handset cannot find BTUM device for pairing. (Device name is “BMW BTUM.”)	• Please verify that BTUM is in pairing mode. Refer to pairing section of manual. • Please verify that Bluetooth is active on your phone handset. • Once successfully in pairing mode, please consult your phone manual for instructions on pairing your phone to a hands-free device using Bluetooth.

Problem	Corrective Action
Phonebook is not displayed or entries are missing.	• Not all phone handsets support phonebook download. Please consult bmwusa.com website for the most current list of compatible phones. • Phonebook download can take several minutes after phone is paired. Please wait 2-3 minutes and attempt to access phonebook again. • Phonebook must be manually updated. If entries are missing please refer to phonebook section of manual for phonebook updating procedure. • BTUM interface will only support 500 phonebook entries. If additional entries are present only the first 500 will be downloaded. Please refer to “Updating the systems phonebook” section.

Troubleshooting

Problem	Corrective Action
Vehicle phone system appears to be connected but will not make outgoing calls.	• Place a call to the handset. If the call does not successfully ring on the handset, the handset may not have service. Please try again in an area with better signal coverage. • Place a call to the handset. If the call successfully rings at the handset, phone may be paired but not connected to the vehicle. Verify that Bluetooth is active on your phone and that the phone is within range of the vehicle (approximately 30 feet). If both of these are true, repeat pairing process between the BTUM and the phone handset.
Calls can be placed from vehicle but no audio is heard.	• Bluetooth audio transfer can take up to 15 seconds after vehicle has been turned ON. Please wait until audio transfer takes place.

Problem	Corrective Action
Audible noise or static is heard during a call.	• Placement of phone can affect both cellular and Bluetooth reception. Please relocate handset within vehicle. • Microphone in vehicle is sensitive to outside noises such as wind. Raising vehicle windows and/or closing moon roof can improve sound quality.
"No Network" is displayed in vehicle interface.	• The handset may not have service. Please try again in an area with better signal.
BTUM LED flashing very rapidly and/or erratic phone system behavior.	• Potential error with your BTUM or vehicle phone system. • Please hold down Push button on BTUM for greater than 30 seconds (LED will begin flashing very rapidly). BTUM will reset and normal operation should resume. • Please shut vehicle OFF, remove BTUM for approximately 1 minute and re-insert BTUM into eject box. • If problem persists, please contact your BMW center.

Notes

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