

# Telephone Introduction

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## INTRODUCTION

### What is Bluetooth?

Bluetooth is an international standard that allows electronic components to communicate with each other, using a short-range radio link. Bluetooth eliminates the need for wires or cables: typically, devices can communicate at a range of up to 10 metres (33 feet).

The Bluetooth in-car telephone system allows certain mobile phones to be used hands-free in your vehicle: there is no need to connect the mobile phone to a cradle or cable.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

## SYSTEM OVERVIEW

The vehicle's Bluetooth telephone system can be used with an appropriate, Bluetooth-equipped mobile phone.

The mobile phone must be paired with the vehicle system before use. See '*PAIRING YOUR PHONE*', page 293 for more information.

Once paired, the mobile phone can be operated via the steering wheel switches or the keypad and phone buttons on the audio panel or touch-screen. The mobile phone doesn't need to be physically connected to the vehicle: it can be left in a jacket pocket, for instance. Calls are routed through the vehicle's audio speakers, and a dedicated microphone is fitted to the roof lining, near the driver's head.

You can use the system to answer or reject incoming calls, make outgoing calls or alter the call volume. The system does not support SMS text messages.

**Note:** *The vehicle starter switch must be set to position I or II in order to use the phone.*

### Call volume

The volume of telephone calls can be adjusted for hands-free phone operation. To adjust the volume, operate the audio system's ON/OFF volume control during a phone call.

If the audio system is in use when the phone becomes active, the audio system source is suppressed for the duration of the call.

The Jaguar telephone system is designed to function with a wide variety of Bluetooth-equipped mobile phones. The audio and echo characteristics vary between models of mobile phones: as a result, it may take a few seconds for the vehicle system to adapt to provide optimal audio performance.

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In order to achieve the best possible audio performance, it may be necessary to reduce the system volume slightly when using certain mobile phones.

## **Audio panel display**

Phone related messages are shown on the audio panel display or touch-screen when the phone system is active.

## **VOICE ACTIVATION**

The Bluetooth telephone system can be used in conjunction with the Voice Activation system to provide the driver with completely hands-free communication. Voice commands are picked up by the system microphone.

For information about using Voice Activation, refer to '*USING THE SYSTEM*', page 312.



## **WARNING:**

**The Voice Activation system must not be used to call emergency numbers, as voice patterns can change under stress, resulting in commands becoming unrecognisable.**

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## SAFETY



### WARNING:

**Read this information before using your in-car telephone system.**

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### Driving

Check local regulations on the use of telephones in the areas where you drive and always obey them. Observe the following guidelines when using your phone whilst driving:

- Give full attention to driving - safe driving is your first responsibility.
- Always use hands-free operation when driving.
- When receiving a call, if driving conditions demand, pull off the road and park.

### Electronic devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals.

However, certain equipment may not be shielded against RF signals from your telephone.

### Pacemakers

The Health Industry Manufacturers' Association recommends that a minimum separation of 15 centimetres (6 inches) is maintained between a wireless phone antenna and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers should:

- Preferably use the vehicle hands-free system.

- ALWAYS keep the phone more than 15 centimetres (6 inches) from the pacemaker when the phone is switched ON.
- Turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

### Other medical devices

If you use any other personal medical device, consult the manufacturer of your device, or your doctor, to determine that it is adequately shielded from external RF energy.

Turn your phone OFF in health care facilities when any regulations posted in such areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### Vehicles

RF signals may affect non-Jaguar or improperly installed equipment. Always consult the manufacturer of any equipment that has been retro-fitted to your vehicle.

### Posted facilities

Turn your phone OFF in any facility where posted notices so require.

### Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a blasting area or in areas posted: Turn off two-way radios. Obey all signs and instructions.

### Potentially explosive atmospheres

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. Turn your phone OFF when you are in such an area, as the use of unapproved electrical equipment can cause an explosion or fire resulting in bodily injury or death.

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## Airbags

Airbags inflate with great force.



### **WARNING:**

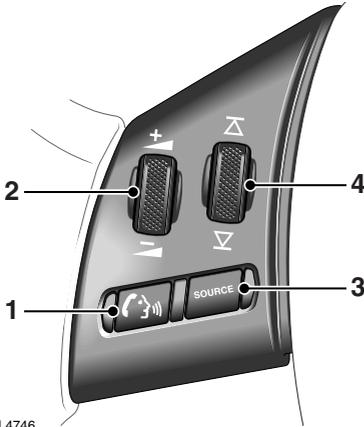
**Do NOT place objects, including both installed or portable wireless equipment, in the area over an airbag or in the airbag deployment area. If in-vehicle wireless equipment is improperly installed and the airbag inflates, serious injury could result.**

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# Telephone System

## STEERING WHEEL CONTROLS

Four system control switches are situated on the left-hand side of the steering wheel, duplicating the functions of buttons on the audio panel. These switches provide finger-tip control of Audio, Telephone and Voice Activation systems whilst driving.



JOL4746

Switch	Function
1	Start voice function, or mute where voice not fitted. Answer phone call when ringing. Send/End when in Phone mode.
2	Increase/decrease volume.
3	Hold for two seconds to select Phone Ready mode. Press and release to cycle through FM, AM, CD and CD Changer.
4	In Phone mode, scroll through stored numbers. In Audio mode, scroll through radio stations or CD tracks. Press and hold to select next strong radio station or next CD.

**Note:** Switches 2 and 4 are rocker switches.

## PAIRING YOUR PHONE

Before use, your mobile phone must be connected or paired with the vehicle's Bluetooth system.

Vehicles with touch-screen

Follow these steps to pair your phone with the vehicle:

- Switch the vehicle's starter switch on (position II).
- Press the  button, to the left of the touch-screen.
- Ensure that no phone is currently connected to the car.
- The message **Discover Me** will be displayed, to confirm that the system is ready to pair with a mobile phone.
- Switch on your mobile phone's Bluetooth connection, using the phone's menu. (See your phone's manual for more information).
- Select search for other Bluetooth devices or Audio Accessories from your mobile phone's menu.
- Select Jaguar in your phone's paired device list, in order to connect to the vehicle's Bluetooth system.
- Enter the Passkey on your mobile phone (the Passkey is 1313).
- After a short delay, the messages **Registered** followed by **Phone Connected** will confirm that the phone and vehicle are paired.

# Telephone System

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## Note:

- When a mobile phone is paired to the vehicle and the Bluetooth connection is established, at least one bar will be displayed next to the antenna icon (depending on the type of mobile phone used and whether or not it supports the Bluetooth signal strength feature). However, you will need to refer to your mobile phone's display to determine the strength of the network signal.
- If an incorrect Passkey is entered, your mobile phone should prompt you to enter the correct Passkey.

Vehicles without touch-screen

Follow these steps to pair your phone with the vehicle:

- Switch the vehicle's starter switch on (position **II**).
- Press the  button on the audio panel.
- Ensure that no phone is currently connected to the car.
- **SIG\*\*\*\*** will be displayed followed by **SIG\*\*\*\*\***.
- Switch on your mobile phone's Bluetooth connection, using the phone's menu. (Refer to the manual for of your specific phone).
- Select search for other Bluetooth devices or Audio Accessories from your mobile phone's menu.
- Select Jaguar in your phone's paired device list, in order to connect to the vehicle's Bluetooth system.
- Enter the Passkey on your mobile phone (the Passkey is 1313). **SIG** will be displayed initially.
- Once the vehicle and phone are paired, **SIG \*** will appear on the audio panel.

**Note:** If your mobile phone supports the signal strength feature, the Bluetooth signal strength (or number of \*s) will be displayed.

Once a mobile phone is paired with the vehicle, **SIG** will be displayed initially when the starter switch is on. **SIG\*** will then be displayed, once the phone is detected.

If the phone is not detected within two minutes (after switching ON the starter switch), the audio system will exit phone mode and revert to its previous audio mode.

## Note:

- Once a mobile phone is paired with the vehicle, **SIG\*** (or if the mobile phone supports the signal strength feature, the signal strength according to the phone) will be displayed initially when the starter switch is on. If no phone is detected, the message **SIG\*\*\*\*** or **\*\*\*\*\*** will confirm that no phone is connected.
- If an incorrect Passkey is entered, your mobile phone should prompt you to enter the correct Passkey.

Once a mobile phone is paired with the vehicle, the vehicle will look for this specific phone every time the starter switch is on, followed by the previously four paired phones.

## Pairing other phones

Five mobile phones can be paired with the vehicle at a time. Once paired, the vehicle will look for the same phone each time the starter switch is turned on (position **II**): you do not need manually to pair the phone with the vehicle every time you turn the starter switch on.

The Bluetooth function of your mobile phone must be enabled when the starter switch is turned on in order for it to pair with the vehicle automatically.

# Telephone System

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If a different Bluetooth mobile phone is to be used with the vehicle, it must be paired manually, as described previously. This phone will then become the highest priority phone, which the system will look for each time the starter switch is turned on.

## **Disconnecting (unpair) a phone**

To disconnect a mobile phone from the system, use the mobile phone's keypad. Refer to your phone's handbook for more details.

## **RECONNECTING A PHONE**

Once a mobile phone has been paired with the vehicle, Jaguar may be shown in the phone's list of Bluetooth devices (see your mobile phone manual for more information). If you intend to pair your mobile phone to multiple vehicles, it is advised that you change the name of your car from the default (e.g. Jaguar to your registration number).

If you manually unpair the phone, it is advisable to delete Jaguar from the list of Bluetooth devices before pairing it with the vehicle again.

# Telephone System

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## PAIRING STRATEGY

It is possible to pair up to five mobiles with the Jaguar Bluetooth telephone facility. When an attempt is made to add a new mobile phone with five phones already paired, the system will delete the oldest connected mobile phone. All associated phonebook records will also be deleted prior to pairing the new mobile phone.

## CONNECTION STRATEGY

Whilst the vehicle has the capability to pair up to five mobile phones, only one phone can be connected at any one time. Once the starter switch is turned on, the vehicle will attempt to connect to the previously connected phone. If it is not available, it will attempt to connect to the next previously connected phone. The system will continue to search until a paired phone is connected.

***Note:** Searching for connection to the mobile phone will cease once a phone has been detected and connected to the system. If a new phone is paired and connected to the system, this will also cease the search as it will become the most recently connected phone.*

# Telephone System

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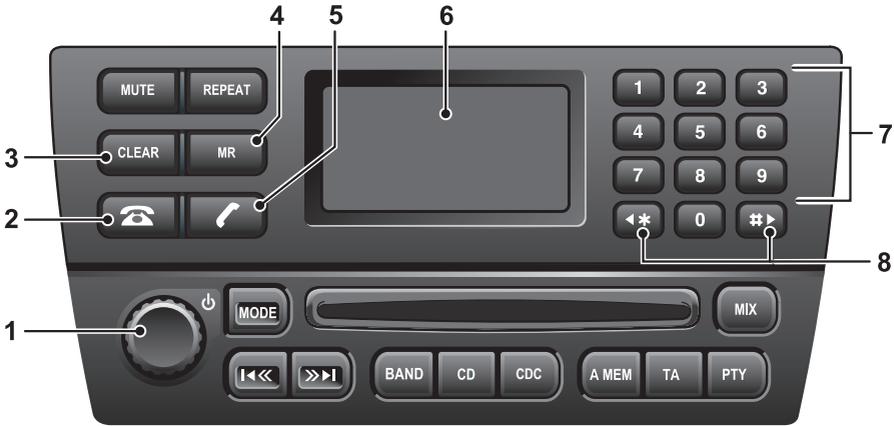
## **SILENT MODE**

Certain mobile phones have a silent mode or profile, which prevents the handset from ringing when a call is received.

If the mobile phone is set to silent, it will also prevent the vehicle phone system from ringing.

# Telephone Operation - Standard

## AUDIO PANEL OVERVIEW



JAG1017

1. ON/OFF switch and volume control.
2. Phone mode button.
3. Clear/correct telephone numbers.
4. Phone memory recall button.
5. Phone send/end calls
6. Display.
7. Phone keypad - buttons **0** to **9** (except where touch-screen is fitted).
8. Scroll memory location.

### Audio panel control functions

The audio panel controls are described below.

#### Volume control

During a call, the phone volume can be adjusted using the audio panel volume control or the steering wheel switches.

The volume will be memorised for future calls (this will not alter other audio volume settings).

### Phone mode



This button will activate the phone mode, ready to make a call. The display will indicate that phone mode has been selected.

This function can also be controlled from the steering wheel: press and hold button **3**, see '*STEERING WHEEL CONTROLS*', page 293.

### Keypad



Press the digits to enter the required telephone number. Each key press will beep and the digits will be displayed on the audio panel.

The keypad can also be used in Memory Recall (**MR**), to enter a location number, or to scroll up/down the memory locations.

# Telephone Operation - Standard

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## Clear



Press and release **CLEAR** to clear the last digit of a telephone number.

Press and hold **CLEAR** to clear all digits entered.

## Send/end



Press this button to dial the entered telephone number. It is also used to end a call that is in progress.

## Memory Recall



Press to access the phone memory location number. Either a memory location number can

be entered from the keypad, or memory locations can be scrolled up and down from the keypad scroll keys.

This function can also be controlled using steering wheel button **4**, see '*STEERING WHEEL CONTROLS*', page 293. Press the upper or lower part of the control to seek up or down through the numbers in the phone memory.

## Display messages

The following messages may be displayed:

- **CALL** - There is an incoming call.
- **CALLING** - A call is being established.
- **EMPTY** - Memory location is empty.
- **LOCATION** - Memory location number or prompt for memory location number.
- **NO SERVICE** - No cellular or Bluetooth service is available.
- **PHONE** - System entering phone mode.
- **Please Wait - phone book information loading** - A short delay will be experienced whilst information is transferred from your mobile phone.

- **SIG** - System Indicator Gauge: this indicates the current status of the Bluetooth telephone system. If your phone supports the signal strength feature, this information will be displayed.

# Telephone Operation - Standard

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## RECEIVING A CALL

An incoming call automatically switches the sound system into the phone mode. The audio panel display will show **CALL** and the phone will ring through the vehicle's audio system.

If automatic answer has been set in your phone, the call will be automatically answered by your mobile telephone.

### To answer:

Press  on the steering wheel or; press  on the audio panel.

### To end:

Press  on the steering wheel or; press  on the audio panel.

### Call line Ident

If the caller has the Call Line Ident (CLI) feature, **CALL** is shown on the audio panel display, followed by the caller's phone number and name (when available). The display may truncate lengthy names.

## REJECTING A CALL



Press **CLEAR** on the audio panel to reject an incoming call.

# Telephone Operation - Standard

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## MAKING A CALL

When making a call, there are two methods of dialling: keypad and memory search.

### Keypad dialling

#### To dial:

Press and hold  on the steering wheel or; press  on the audio panel.

**PHONE** will be displayed.

Key in the phone number on the audio panel keypad. The number will be displayed.

#### To connect:

Press  on the steering wheel or; press  on the audio panel.

The display will show **CALLING**.

#### To end:

Press  on the steering wheel or; press  on the audio panel.

### Speed dialling

***Note:** Speed dialling selects the first nine locations stored in your phone's address book.*

#### To dial:

Press and hold  on the steering wheel or; press  on the audio panel.

**PHONE** will be displayed.

On the audio panel keypad, press and hold the required speed dialling memory location number **1** to **9**, which corresponds with locations 1 to 9 in your mobile phone's address book.

After three seconds, **CALLING** will be displayed.

#### To end:

Press  on the steering wheel or; press  on the audio panel.

***Note:** Speed dialling can only be used once your mobile phone's address book has been transferred to the vehicle's phone system. For more information, refer to 'PHONE BOOK TRANSFERS', page 307.*

# Telephone Operation - Standard

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## MEMORY RECALL DIALLING

### Using audio panel

Press  on the audio panel.

**Phone** will be displayed.

Press the **MR** button.

**LOCATION** will be displayed.

On the audio panel keypad, press required memory number **1** to **499**.

***Note:** The location number of phone book entries stored on your mobile phone may vary from those stored in the vehicle phone book.*

### To connect:

Press  on the steering wheel or;

press  on the audio panel.

The display will show **CALLING**.

### To end:

Press  on the steering wheel or;

press  on the audio panel.

### Using steering wheel controls

Press and hold button **3**, see '*STEERING WHEEL CONTROLS*', page 252.

**PHONE** will be displayed.

On the audio panel keypad, press required memory number **1** to **749**.

### To connect:

Press  on the steering wheel or;

press  on the audio panel.

The display will show **CALLING**.

### To end:

Press  on the steering wheel or;

press  on the audio panel.

## LAST NUMBER REDIAL

***Note:** Last number redial is only supported on systems fitted with a touch-screen.*

# Telephone Operation - Touch-screen

## OVERVIEW

On vehicles fitted with the Navigation system, the audio panel keyboard is replaced with touch-screen controls.

Control of the system via the steering wheel controls is unchanged, as described in the previous section.

With the starter switch in position **I** or **II**, pressing the  button to the left of the screen will display the following screen controls.



JOL3513

The message window to the right of the screen will provide information on the telephone system's status. If the phone is connected correctly then the display will show **Phone Connected**, or if the phone is not connected to the vehicle, **Discover Me** will be displayed.

## MAKING A CALL



JOL3513

Calls are made by using the digit and  touch-controls, or the memory functions described in 'OTHER FUNCTIONS', page 305.

Erroneous digits can be deleted by touching .

The number called is displayed at the top of the screen.

The screen will display **Calling** when establishing a call. On connection, **Connected** is displayed and  is illuminated.

If the engine is switched off, the call will be maintained and the touch-screen can be manually turned off. Touch  to terminate the call.

# Telephone Operation - Touch-screen

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## RECEIVING A CALL



On receipt of a call, the screen will display **Incoming Call** regardless of the audio system operating mode.

This is accompanied by **Accept** and **Cancel** touch-controls, enabling the user to answer the call or cancel it.

## END CALL FUNCTION

A telephone icon is displayed whenever a telephone call is in progress.

The icon is displayed during an incoming call and during an outgoing call.

The telephone call may be ended by touching the icon.

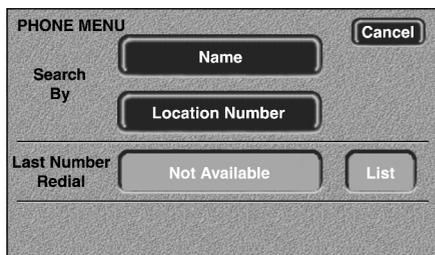


Telephone call is in progress. Call may be ended by touching this icon.

# Telephone Operation - Touch-screen

## OTHER FUNCTIONS

### Using the menu

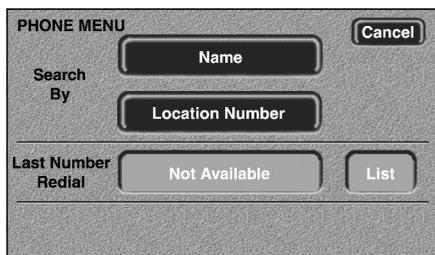


JOL3495

Touch **Menu** to display the above screen. This screen provides access to memory functions and last number redial.

When the vehicle is in motion, it will not be possible to use the **Name** touch-control.

### Last number redial



JOL3495

The **Last Number Redial** memory function enables the user to quickly recall the previously used number.

Use of the **List** touch-control will display the last ten numbers dialed.

**Note:** *Last Number Redial* recalls the last ten numbers called from your mobile phone, if your phone supports this feature.

*With certain mobile phones, the last number redial may work in reverse order. This is the way the phone sends the call stack to the vehicle's system.*

### Searching by Name

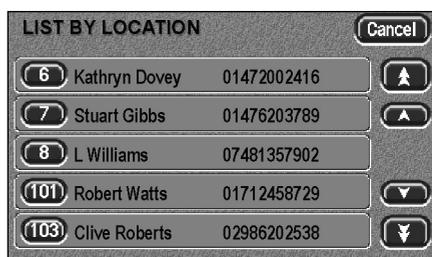
It is possible to list names stored in the vehicle phone book, whilst the vehicle is in motion.



### WARNING:

**Jaguar recommends that the driver does not use this feature whilst the vehicle is in motion. Give full attention to driving - safe driving is your first responsibility.**

### Location number



JOL2718

The **Location Number** screen enables the user to search the phone memory by location.

Upon pressing the location number touch-control, a location number is requested. A list of locations is then displayed as above (dependent upon those stored in the memory). The desired location may then be dialed by touching the location number.

When the vehicle is in motion, the scroll touch-controls at the right-hand side of the touch-screen will be inhibited for safety.

**Note:** *The location number of phone book entries stored on your mobile phone may vary from those stored in the vehicle phone book.*

# Telephone Operation - Touch-screen

## Name entry



JOL1782

On the phone menu, select **Name**. The screen above will be displayed. Touch the required alphabetical group to narrow your search, then scroll through the list.

## List by name



JOL2719

With the memory list displayed above, scroll through the list of names using the arrowed buttons. Touch the desired list number to make the call.

Use  to terminate the call.

## ADDITIONAL INFORMATION

### Continuity of calls

Whilst in a call in hands-free mode, the call remains connected if the starter switch is turned off (position **0**). When the call ends, another call cannot be made or received through the vehicle system unless the starter switch is turned to position **I** or **II**.

### DTMF tones

Whilst in a call you can transmit a DTMF (Dual Tone Multi-Frequency) tone, to remotely control equipment such as an answering machine. Key in the appropriate numbers on the audio panel keypad. The numbers entered will be displayed on the audio panel.

### Scratch pad

During a call, the audio panel keypad may be used to store a number to be dialled once the current call is terminated. The number entered will be displayed on the audio panel: once the current call is terminated, the number can be dialled by pressing  on the steering wheel, or  on the audio panel.

**Note:** DTMF tones may be heard when entering a number.

### Changing a phone number

When making a call, you can change the phone number shown on the audio display using the **CANCEL** button (audio panel) or **C** (touch-screen).

A momentary press erases any single digit, a long press erases the complete number.

### PIN feature

The PIN feature is not supported by the Bluetooth telephone system.

Therefore, please ensure that your mobile phone is not locked by a PIN whilst it is connected to the Bluetooth telephone system.

# Phone Book

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## PHONE BOOK TRANSFERS

Any phone numbers stored in your mobile phone book can be copied to the vehicle's phone system.

In most cases, this will happen automatically when you pair the phone with the vehicle. Refer to [www.jaguar.com](http://www.jaguar.com) to check compatibility.

However, with some mobile phones, you may need to manually transfer the phone book.

- Make sure the vehicle starter switch is ON and the vehicle and phone are paired.
- Press the  button on the audio panel or touch-screen surround.
- Switch OFF the starter switch and wait for your phone to disconnect from the vehicle, to allow the vehicle Bluetooth system to complete the download process.

### Updating the phone book

Once the phone book has been copied to the vehicle, it will be updated automatically if your phone supports automatic phone book download.

Certain phones allow single or multiple phone book entries to be transferred to the vehicle (refer to the manual of your specific mobile phone for more information). These entries will be added to the end of the vehicle phone book.

**Note:** *The location number of phone book entries stored on your mobile phone may change once they are transferred to the vehicle phone book: location numbers are not preserved when phone books are copied via Bluetooth.*

If you wish to pair a new phone with the vehicle and replace the current vehicle phone book, follow the relevant pairing procedure on page 'PAIRING YOUR PHONE', page 293.

# Phone Book

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## Phone book capacity

Mobile Phone Configuration	Vehicle Phone Book Capacity
Phone supports phone memory and SIM card downloads.	750 (phone memory takes priority over the SIM card).
Phone only supports phone memory downloads.	750 (from phone memory).
Phone only supports SIM card downloads.	750 (from SIM card).
Phone doesn't support phone memory or SIM card downloads.	0.

The system can store a maximum of 750 entries, but this figure varies, depending on the type of mobile phone used.

Certain mobile phones store the phone book in two different areas: the SIM card and the phone memory. With some mobile phones, it is not possible to transfer addresses stored in one or both of these areas. The table above explains how this affects the number of entries that can be stored in the vehicle phone book.

**Note:** *Certain mobile phones do not allow phone book entries stored on the SIM card to be transferred via Bluetooth. However, it may be possible to transfer the SIM phone book to the mobile phone's memory, before copying it to the vehicle phone book. Refer to your mobile phone manual for more information.*

## Phone book suffixes

With some mobile phones, it is possible to store phone numbers in different categories:

- Work/Office
- Mobile
- Home.

If numbers are stored in your mobile phone in these categories, the vehicle phone book will add a suffix to each entry: WK (work/office), MN (mobile) or HM (home).

This enables the system to handle contacts who have several different phone numbers.

# Declaration of Conformity

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## EUROPEAN UNION DIRECTIVES CONFORMANCE STATEMENT



Hereby, Jaguar Cars Limited declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Jaguar Cars Limited is under licence. Other trademarks and trade names are those of their respective owners.

## EXPORT CONTROLS

This product contains commodities, technology or software exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. or Canadian law is prohibited.

# Declaration of Conformity

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## FCC/INDUSTRY CANADA NOTICE

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: LHJ \*\*\*

IC: 2807E \*\*\*

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

**Note:** *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.*

*This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.*

*If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- *Re-orient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*

- *Consult the dealer or an experienced radio/TV technician for help.*