Welcome

Welcome to Motorola's "connected" world of Bluetooth® personal area wireless networking. Motorola's Premium Wireless Car Kit with Bluetooth Wireless Technology makes wireless connection simple and quick.

Motorola's Premium Car Kit offers these features:

- seamless, wireless handsfree audio through Bluetooth connection
- digital audio interface with high quality, full-duplex, handsfree speech
- Speaker Independent Voice Recognition—in multiple languages
- voice-driven menu prompts
- entertainment mute—automatically mutes radio during calls (where supported by the radio)
- noise reduction and acoustic echo cancellation
- compliance with Bluetooth Hands Free 0.96 and 1.0 profiles

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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.

Canada Compliance (Industry Canada)
To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment that is installed outdoors is subject to licensing.

Electromagnetic Interference/Compatibility
Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

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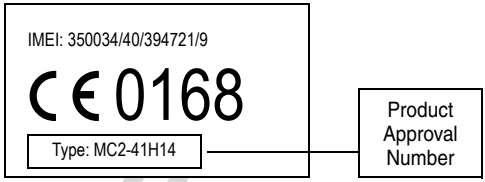
Conformance Statement

Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (the R&TTE Directive) at `www.motorola.com/rtte` - to find your DoC, enter the product Approval Number from your product's label in the "Search" bar on the Web site.

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Installing the Handsfree Kit

Guidelines for Installation and Connection

- Only qualified personnel should install this car kit. If necessary, contact with vehicle manufacturer for air bag information specific to the vehicle.

Caution: An air bag inflates with great force. **DO NOT** place objects, including communication equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, serious injury could occur.

- Mount components securely on strong surfaces to prevent shifting that could cause injury or interfere with safe vehicle operation. Always use the supplied mounting hardware
- Mounted components and attached wires or cables must not interfere with seating or leg space.
- Route cables so they are protected from pinching, sharp edges, and crushing. Keep all in-line connectors easily accessible.
- This car kit is intended for use in 12 volt negative ground systems only. The car kit draws less than 5 amps. Confirm that the vehicle's electrical system can supply this current.

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How to Install the Handsfree Kit

Caution: This car kit must be connected to a 5A fuse in the car fuse panel to prevent fire or other damages if a short circuit should occur somewhere in the electronic module. Before installing the car kit, disconnect the vehicle's battery.

Before you begin: Unpack, assemble, and test all components on a service bench.

Car Kit Contents

Interface Cable

The Interface Cable connects the electronic module to the other system components. It connects the vehicle's power and ignition to the car kit and provides some optional audio connections when the car kit is used with the vehicle's radio.

Electronic Module

You can place the electronic module anywhere inside the vehicle to facilitate convenient connection between the interface cable and other system components.

Microphone

The microphone cable can be routed along the side of the vehicle, through the dash, and along the edge of the windshield. The microphone is placed best near the rearview mirror and aimed directly toward the user.

User Interface Module

The User Interface Module (UIM) cable can be mounted in several ways to provide a safe and comfortable environment for use.

Audio Connections

You can install the system's audio components in 2 ways:

External Speaker

If you are installing the system with the external speaker, you MUST leave the audio output (+/-) lines disconnected. (See "Power Connections" on page 29.) The external speaker should be connected to the interface cable.

Vehicle Radio

If you intend to use the vehicle radio to control audio level, you must connect the audio output (+/-) lines to your vehicle's entertainment system.

Installing the Electronic Module

The best location for the electronic module is under the vehicle's dash. The box must be protected from dirt and moisture and have adequate space for cooling and to allow for cable connection.

For optimal Bluetooth® performance, mount the electronic module in a central location within the vehicle. Do not place it behind or within large areas of metal.

The location of the electronic module MUST NOT interfere with deployment of the vehicles air bags. Do NOT locate the electronic module in the vehicle's trunk (boot).

Installing the Interface Cable

Caution: Failure to follow the steps below may cause the accessory not to work properly and may cause damage to the car kit.

The interface cable has integral fuses on the power lines (VBatt and Ign).

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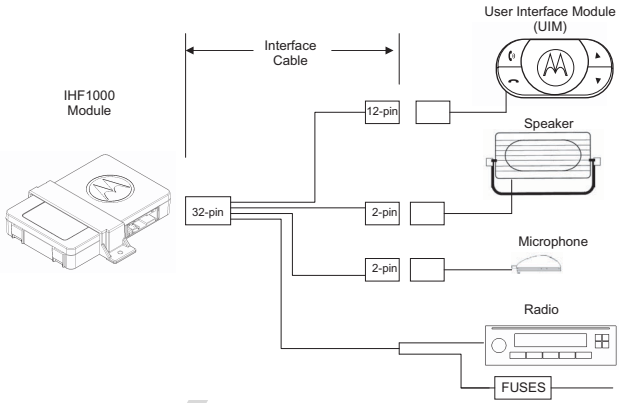


Note: See "Power Connections" on page 29 for more information.

1 Connect the **GREEN** Ignition Sense wire to an ignition-switched location on the fuse block. When the ignition is off, the ignition sense line is low.

2 Connect the **YELLOW** Entertainment Mute Wire to the vehicle's entertainment system.

Note: This feature is only operational if the vehicle's radio supports this capability. Installation may require an optional relay (not included).

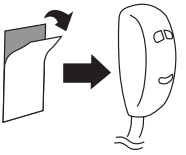
3 Connect the **RED** positive battery lead to a point in the vehicle's fuse box that is fused at 5 to 10 amp.

4 Connect the **BLACK** ground wire to the vehicle chassis.

5 Inspect all connections.

Note: The **ORANGE** and **BLUE** wires are not used. (These wires are used to connect the line-level audio to the vehicle radio, if the radio supports this feature.)

Installing the Microphone



1 Attach 1 side of the VELCRO® tape to the bottom side of the microphone.

2 Select a suitable mounting location and mount the microphone:

- Locate the microphone no more than 16 inches (40 cm) from the driver.
- Aim the microphone directly toward the driver and away from direct air flow from a vent.
- Do not allow anything (such as a rear-view mirror or sun visor) to block the path between the microphone and the driver.

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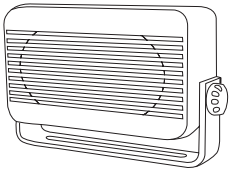
- Mount the microphone firmly so that vibrations do not affect audio quality.

Caution: The location of the microphone MUST NOT interfere with the vehicle's air bag deployment.

3 Connect the microphone to the interface cable.

Installing the External Speaker

Note: Always use the supplied mounting hardware.



1 Mount the speaker to the transmission hump (center console) or beneath the dash. Position the speaker so that it does not directly face the microphone.

Caution: The location of the external speaker MUST NOT interfere with the vehicle's air bag deployment.

2 Connect the speaker to the electronic module.

Installing the User Interface Module

1 Remove the backing of the tape on the bottom of the User Interface Module (UIM).

2 Select a suitable location on the vehicle dash, within easy reach of the driver, and mount the UIM. The UIM can be mounted anywhere on the dash.

Caution: The location of the UIM **MUST NOT** interfere with the vehicle's air bag deployment.

Caution: The mounted UIM **MUST NOT** create a visual distraction.

Caution: DO NOT mount the UIM on the steering wheel.

3 Connect the UIM to the interface cable.

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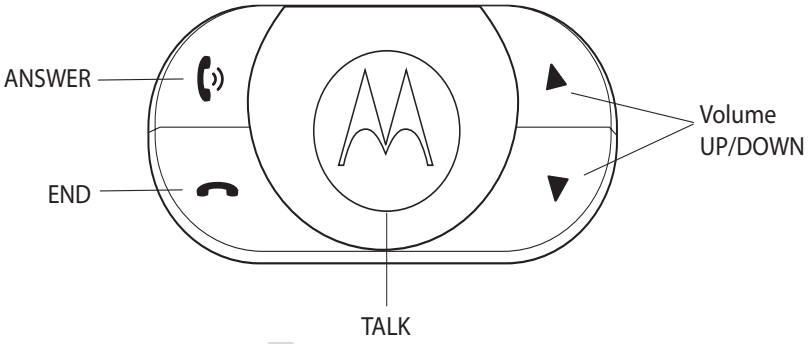
Using Your Car Kit

User Interface Module (UIM) Control Buttons

The UIM enables you to set up and use the Bluetooth® Hands Free Car Kit.



The buttons on the UIM are lit at different times to indicate when they may be pressed.

Note: See "UIM LED Indicator Functions" on page 31 for information on when and why the buttons light or flash.

The TALK Button

The blue TALK button has 2 functions, depending on whether you press and release it quickly or press and hold it.

Press and Release

Press and release the TALK button to initiate a Voice Recognition (VR) session. When you begin a VR session, you hear a prompt and then a short beep. The beep—also known as a *listening prompt*—indicates that the system is waiting for a verbal command from you.

Press and Hold

Press and hold the TALK button to initiate the pairing process.

The ANSWER Button

The green ANSWER button has 6 functions, depending on the state of the system. These functions can be initiated by pressing and releasing or pressing and holding the button.

Press and Release

In This Situation ...	Press and Release ANSWER to ...
when receiving an incoming call	answer the call
when system not on a call	attempt to place call using last number dialed
while 1 call in progress	toggle between Hold & Resume
while in a call & after call waiting notification is received	answer the waiting call
with 2 active calls	toggle between calls

Press and Hold

During an active call, press and hold the ANSWER button to switch the audio between handsfree and privacy modes.

The END Button

The red END button has 5 functions. These functions can be initiated by pressing and releasing or pressing and holding the button.

Press and Release

In This Situation ...	Press and Release END to ...
during an active call	end the call
when system is awaiting a command during Voice Recognition mode	cancel Voice Recognition mode
when receiving an incoming call	reject the call

Press and Hold

In This Situation ...	Press and Hold END to ...
during an active call (including multi-party calls)	end all calls
when system not on a call	terminate the Bluetooth connection

Volume UP/DOWN Buttons

During normal operation, press and release the Volume UP/DOWN buttons to increase or decrease speaker volume.

(If the system is using the vehicle radio speakers, you can also use the radio's volume controls to raise or lower volume.)

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To mute the microphone, press and hold either Volume UP/DOWN button. To unmute the microphone, press and release either button.

Getting Help

While learning to use the system, or whenever you need a reminder, say "**Help**." The system includes Help prompts in every menu.

You can also say "**Repeat**" whenever you are prompted for a **Yes** or **No**. The system will repeat the question.

Note: If you need to reset the system, press and hold the TALK and ANSWER buttons simultaneously for more than 2 seconds.

Connecting Your Phone to the Car Kit

Before you can use this car kit, you must complete a Bluetooth connection between the kit and your phone. You establish a Bluetooth connection between your car kit and phone with a *paired link*.

When you set up a paired link, the car kit remembers the phone's ID. Once the car kit and phone are paired, your car kit automatically connects to your phone every time you start your vehicle or power up the car kit.

This system supports paired links with up to 4 phones.

Note: The process of initiating a Bluetooth connection with a phone varies per phone manufacturer. For more information, refer to the user's guide for your phone.

Initial Pairing

Note: Use this procedure ONLY if there are no handsets paired to the system.

With the car kit and phone in close proximity:

	Action
1	Press the TALK button.
2	When prompted, say "**Pair Phone**." The system responds: **Set your phone in scan mode and enter 1234 when prompted for the passcode**.

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	Action
3	When the phone displays the device name, select the device. The phone displays the passcode entry screen.
4	Enter the passkey (**1234**). The phone displays "PIN verified," and the system says: **Pairing complete. Connection in progress.** **Note:** Some phones ask you to accept the BT link. Enter Yes. Upon successful completion, the system says: **Connection is complete. Phone <#> ready for use.**

Additional Pairing

To pair additional handsets to the system, with the car kit and phones in close proximity:

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**." The system responds: **Setup menu. Please say a command.**
3	Say "**Pair Phone**." The system responds: **Set your phone in scan mode and enter 1234 when prompted for the passcode.**
4	When the phone displays the device name, select the device. The phone displays the passcode entry screen.
5	Enter the passkey value provided by the system. The phone confirms that the PIN is verified and says: **Pairing complete. Connection in progress.** **Note:** Some phones ask you to accept the BT link. Enter Yes. Upon successful completion, the system says: **Connection is complete. Phone <#> ready for use.**

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Selecting a Phone

With the car kit and phone in close proximity:

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**." The system responds: **Setup menu. Please say a command**.
3	Say "**Connect Phone** <*n*>." The system responds: **Connecting phone** <*n*>. Upon successful completion, the system says: **Connection complete**.

List Phones Paired to the System

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**." The system responds: **Setup menu. Please say a command**.
3	Say "**List Phones.**" The system says: **The following phones have been paired: phone 1**, ***etc***.

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Removing Your Phone from the Car Kit

Removing a Connected Phone

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**." The system responds: **Setup menu. Please say a command**.
3	Say "**Remove phone** <*n*>." The system responds: **Removing phone** <*n*>. **Are you sure?**.
4	Say "**Yes.** The system responds: **Phone** <*n*> **removed**."

Removing All Phones

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**." The system responds: **Setup menu. Please say a command**.
3	Say "**Remove all phones**." The system responds: **Are you sure you want to remove all the phones?**.
4	Say "**Yes.**" The system responds: **All phones removed**.

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Placing a Call with the Car Kit

To place a call, you must first establish a Bluetooth link between the car kit and your phone (see page 12).

You can place a call with the car kit in these ways:

- Dial a number from the phone.
- Digit dial with Voice Recognition.
- Use the system's Contact List.
- Speak a phone voice tag.
- Use the **Speed Dial** command.
- Use the **Redial** command.
- Use last number redial from the User Interface Module.

When connected, all of these calls are handsfree. You can terminate a VR session at any time by pressing the END button.

Placing a Call with Voice Recognition

You can enter a phone number as 1 or more segments of digits. A segment can include up to 15 digits. An entire number can include no more than 32 digits. You can begin the number set with the * or # character.

Note: Speak numbers as continuous digits. For example, dictate 555-2211 as "**5-5-5-2-2-1-1**", not "**5-5-5-twenty-two-eleven**."

Calling with a Whole Number

	Action
1	Press the TALK button.
2	When prompted, say "**Dial Number**." The system responds: **Number please?**.

	Action
3	Dictate the phone number as a single set of digits (without pauses between digits). The system recites the digits heard.
4	If the number recited by the system is correct, say "**Dial.**" The system responds: **Dialing**.

Calling with Digit Segments

	Action
1	Press the TALK button.
2	When prompted, say "**Dial Number.**" The system responds: **Number please?**.
3	Dictate the first segment of digits. (For example, say the 1st 3 numbers.) The system recites the digits heard.
4	Dictate the next segment of digits. The system recites the digits heard. Repeat this step until you enter the complete phone number.
5	When the complete number is recited by the system, say "**Dial.**" The system responds: **Dialing**.

To delete a phone number segment, say "**Clear**" when prompted for the next segment. The system responds **Last String Cleared**, echoes any remaining segments, and waits for you to dictate a new segment.

To clear all phone number segments dictated so far, say "**Clear All**" when prompted for the next segment. The system clears all segments and returns to the **Number please?** prompt (see step 2 above).

Dialing a Number from the Contact List

	Action
1	Press the TALK button.
2	When prompted, say "**Call <*contact*>**." **Note:** The contact must be a valid contact stored in the Contact List. The system responds: **Do you want to call <*contact*>?**.
3	If the number recited by the system is correct, say "**Yes.**" The system responds: **Calling**.

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Dialing a Number Using the Phone's Voice Tags

	Action
1	Press the TALK button.
2	When prompted, say "**Phone voice tag**." **Note:** The voice tag must already be stored in the phone. The system responds: **Phone voice tag, please.**
3	Say "**<*voice tag*>**"** (where **<*voice tag*>** is a voice tag stored in the phone." The system calls the number associated with the phone voice tag.

Using the Speed Dial Command

	Action
1	Press the TALK button.
2	When prompted, say "**Speed Dial.**" The system responds: **Speed dial number, please.**
3	Recite the speed dial number. The system repeats the number it heard and asks: **Is this correct?**
4	If the number recited is correct, say "**Yes.**" The system responds: **Dialing**, and places the call.

Note: Speak speed dial numbers as continuous digits. For example, dictate speed dial location 22 as "**2-2**", not "**twenty-two**."

Using the Redial Command

	Action
1	Press the TALK button.
2	When prompted, say "**Redial**." The system responds: **Redialing.**

You can also redial the last number by pressing the ANSWER button.

Answering a Call

When you receive an incoming call, the system responds: **Call from <*Caller ID*>**, if available.

If Caller ID is not available:

- The system plays the in-band ring tone, if the phone supports it.

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- If no in-band ring tone is supported, the system generates a local ring tone.

To answer an incoming call:

Action
Press the ANSWER button. **or** Press your phone's Send, OK, Answer, or Yes key (depending on your phone model), just as you would to answer a call in privacy mode.

Ending a Call

Using the Phone

Action
Press your phone's End or Hang up key (depending on your phone model).

Using the UIM

Action
Press the END button.

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Using the End Call Command

	Action
1	Press the TALK button.
2	When prompted, say "**End Call**. The system responds: **Call ended.**

Using Features while on a Call

Note: To use the functions described below:

- A Bluetooth link must be established between the car kit and your phone.
- A call must be initiating or in progress.

Rejecting a Call

To reject a call while the phone is ringing:

Action
Press the END button on the UIM. The system responds: **Call rejected**.
or
Press your phone's IGNORE key (may be a soft key, depending on phone model) or your phone's End or Hang up key. The system responds: **Call ended**.

Transferring a Call

From the Car Kit to Your Phone

Action
Press and hold the ANSWER button.
or
Turn OFF the vehicle ignition. (If your phone asks to switch to handset mode, press Yes.)
or
Press the TALK button. When prompted, say "**Privacy Mode**."

From Your Phone to the Car Kit

Action
Press and hold the ANSWER button.
or
Turn ON the vehicle ignition.
or
Press the TALK button. When prompted, say "**Hands Free mode**."

Muting and Unmuting a Call

Using the UIM

Action
To mute the microphone during a call, press and hold either Volume UP/DOWN button.
To unmute the microphone, press and release either Volume UP/DOWN button.

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Using the MUTE and UNMUTE Commands

Action
To mute the microphone during a call, press the TALK button. When prompted, say "**Mute**."
To unmute the microphone, press the TALK button. When prompted, say "**Unmute**."

Call Waiting

When you are on a call, an audible beep signals a 2nd call.

Action
Press and release the ANSWER button to place the 1st call on hold and answer the incoming call. Each time you press and release the ANSWER button, you toggle between active calls.

Note: If the ANSWER button is not pressed, the incoming call is automatically rejected and sent to voicemail (if set up on the phone).

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Sending DTMF Tones

You can send DTMF tones from the phone keypad, or by using the **Enter** command:

	Action
1	Press the TALK button.
2	When prompted, say "**Enter <*digits*>**" to send numbers as DTMF tones.

Managing the Contact List

You can store a list of names and phone numbers in your car kit's contact list. The list can include up to 20 entries.

Adding an Entry

	Action
1	Press the TALK button.
2	When prompted, say "**Contact List**."
3	If the system responds: **Contact list is empty. Do you wish to add a contact?**, say "**Yes**." **or** If the system responds: **Contact list. Please say a command**, say "**Add entry.**"

	Action
4	When the system responds: **Please say the name**, recite the contact to be stored. If the name sounds like 1 that is already stored, or if an error is detected, the system asks you to try again. If it accepts the name, the system responds: **Please say the number for <_contact_>**.
5	Dictate the phone number as an entire number (without pauses between digits). **or** Dictate the number as a series of segments (for example, say the 1st 3 digits, then the next 3, etc.), until you have dictated the entire number. The system repeats the number it heard.
6	When you have correctly entered the entire phone number, say "**Store**." The system responds: **Contact added. Would you like to add another contact?**
7	Say "**No**" to return to the system's ready state. **or** Say "**Yes**" to add another entry.

Deleting an Entry

	Action
1	Press the TALK button.
2	When prompted, say "**Contact List**."
3	If the system responds: **Contact list. Please say a command**, say "**Delete <_contact_>**" (where **<_contact_>** is the name of a contact entry). **or** If the system responds: **Contact list is empty. Do you wish to add a contact?**, say "**No**." The system exits to ready state.
4	When the system responds: **Are you sure you want to delete the contact <_contact_>?**, say "**Yes.**" The system responds: **Contact deleted**.

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Listing Entries

	Action
1	Press the TALK button.
2	When prompted, say "**Contact List**."
3	If the system responds: **Contact list. Please say a command**, say "**List entries.**" The system begins to list the stored entries. **or** If the system responds: **Contact list is empty. Do you wish to add a contact?**, say "**No**." The system exits to ready state.

Tip: To move quickly through the list, say "**Previous contact**" or "**Next contact**."

Turning Off System Prompts

To turn off certain VR prompts (for example, **Main Menu. Please say a command**):

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**."
3	Say "**Prompts On**" or "**Prompts Off**." The system responds: **Prompts On** or **Prompts Off**.

Announcing a Caller

To turn the Caller Announce function On or Off:

	Action
1	Press the TALK button.
2	When prompted, say "**Setup Menu**."
3	Say "**Caller Announce On**" or "**Caller Announce Off**." The system responds: **Caller Announce On** or **Caller Announce Off**.

Audio Indicators

When the system is not in a call or an active VR session, you may hear the following audio indicators:

Audio Indicator	Description
You have a voicemail.	New voicemail message received.

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Audio Indicator	Description
You have a new message.	New SMS message received.
Phone battery low.	Low battery.

Note: These indicators are turned off when you turn off prompts.

Selecting a Language

Note: When you change your system's language, all contacts in your **Contacts** list are deleted.

	Action
1	Press and hold the END button, turn on the vehicle ignition, and continue holding the END button for at least 10 seconds. The system enters language selection and responds: **Language Menu. Press volume up or down to change language**.
2	Use the Volume UP/DOWN buttons to scroll through the language choices. As you scroll to a language, the system plays the prompt for that language. (For example: **English. To choose this language, restart the vehicle.**)
3	When you have selected the desired language, turn off the vehicle ignition. The next time you turn on the vehicle ignition, the new language is loaded.

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If You Need Help

Warranty Coverage

Please refer to the warranty information included in the car kit package.

Troubleshooting

Symptom	Solution(s)
You cannot pair new phones with the car kit.	• The phone must support Bluetooth Handsfree Profile 0.96 or 1.0. • The system supports a maximum of 4 phones at once. Make sure this limit is not exceeded. • Remove all previous pairings using the **Remove All** command. The system should be reset. • Delete the pairing information on the phone and ensure that the phone is removed from any other systems with which it is paired.
No VR or HF audio.	• Check speaker connection. • Check the connection to the electronic module.
VR does not respond, or in-vehicle audio is not heard on the remote phone.	• Check microphone connection. • Check the connection to the electronic module.
System does not respond. **UIM buttons not lit.**	• Check UIM connection. • Check the connection to the electronic module.

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Calling Features Quick Reference

Dial Number

Press TALK Button

Main Menu. Please say command.

Dial Number

Number please.

<number>

<number>

- **Dial**
- **Clear**
- **Clear All**

Speed Dial

Press TALK Button

Main Menu. Please say command.

Speed Dial

Speed dial number please.

<number>

<number> Is this correct?

- **Yes**
- **No**
- **Repeat**

Call Contact

Press TALK Button

Main Menu. Please say command.

Call <*contact*>

Do you want to call <contact>?

- **Yes**
- **No**
- **Repeat**

Redial

Press TALK Button

Main Menu. Please say command.

Redial

Phone Voice Tags

Press TALK Button

Main Menu. Please say command.

Phone Voice Tag

Phone voice tag please.

<voice tag>

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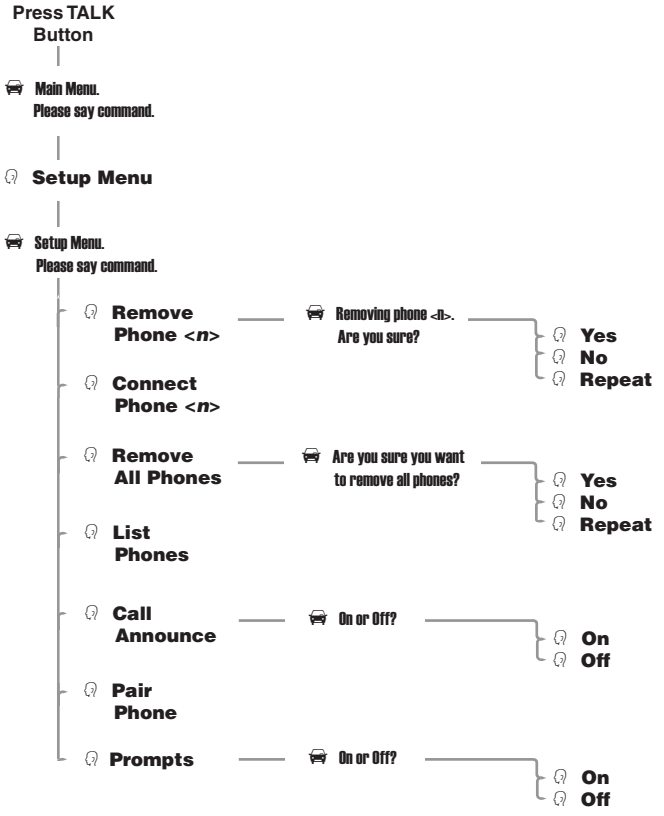
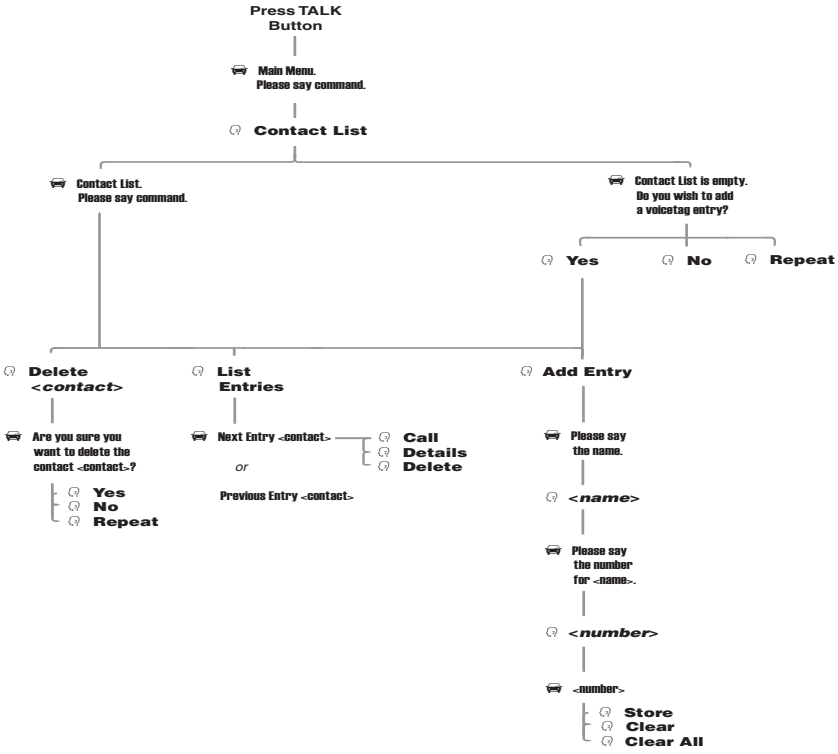
Setup Menu


Press TALK Button
Main Menu. Please say command.
Setup Menu
Setup Menu. Please say command.
Remove Phone <n>
Removing phone <n>. Are you sure?
Yes
No
Repeat
Connect Phone <n>
Remove All Phones
Are you sure you want to remove all phones?
Yes
No
Repeat
List Phones
Call Announce
On or Off?
On
Off
Pair Phone
Prompts
On or Off?
On
Off

Contact List



Appendix

Definitions

Term	Definition
Boot	The trunk.
Continuous Voice Recognition	The ability to find word boundaries without requiring pauses between words.
Handset	The wireless phone.
Pair	The process used by two wireless devices, with passcodes as an input, to create the *link* of the Bluetooth® authentication process.
Passcode	A term that is generally synonymous with *PIN* or *passkey*, used in the Bluetooth specifications. The passcode is entered into the devices involved in pairing, enabling them to verify the operation. In this application, to avoid confusion, passkey is used as distinct from PIN, which is used to unlock a handset's SIM card.
Press and Hold	A button press of at least 1 second.
Press and Release	Pressing a button for 100 milliseconds.
Ready State	The system is paired to a phone but is not in an active call.
Speaker Dependence	The degree to which a speech recognition system requires knowledge of a speaker's individual voice characteristics in order to successfully process speech.
Speaker Independence	Describes speech recognition systems that do not need to be trained by a user.
Voice Recognition	The method of verbal input into the speech interface.

Phone Tips

Features Support

- Sony/Ericsson T610 and the T616 do not switch from privacy to handsfree mode.
- Nokia 6310i does not support memory dialing.

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Power Saving Mode on Motorola Phones

Motorola phones include a power-save mode for Bluetooth operation. This mode turns off the phone's Bluetooth radio to conserve battery power.

When you attempt to pair a phone with a car kit that is turned off, the phone asks: **Bluetooth power off. Temporarily power on?**. If you select **On**, you can pair the phone with the car kit, but the power turns on for only 1 connection.

The Motorola V600 phone currently ships with the Bluetooth power set to **Off**. Refer to the user's guide for this phone for information on setting the power to **On**.

Power Connections

Battery, ground, and ignition must be connected regardless of the audio connections being used. If the vehicle radio and speaker are used instead of the external speaker, the audio (+/-) **must** be connected to the vehicle radio harness.

The table below illustrates the connections to the vehicle.

Vehicle	Color	Connection
Battery +	Red	Required
Ground	Black	Required
Ignition	Green	Required
Radio Mute	Yellow	Optional (for use with radio only)
Audio +	Orange	Optional (for use with radio only)
Audio -	Blue	Optional (for use with radio only)

UIM Button Functions

Key(s)	Action	State		
		Not Connected	Connected (in a call)	Connected (not in a call)
TALK (Blue)	***Press & Release***	VR session	activate VR session	activate VR session
	Press & Hold	begin pairing	N/A	N/A

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Key(s)	Action	State		
		Not Connected	Connected (in a call)	Connected (not in a call)
ANSWER (Green)	***Press & Release***	no action	1 way = toggle between Hold and Resume 2 way = Call Waiting/toggle between active calls	answer incoming call/redial last number dialed
	Press & Hold	N/A	handsfree/privacy	N/A
END (Red)	***Press & Release***	end any active sessions	end active call	reject incoming call/end any active session
	Press & Hold	N/A	end all calls	disconnect Bluetooth link
Volume (White)	***Press & Release***	VR session volume control	increase or decrease volume of in-vehicle audio/unmute	VR session volume control
	Press & Hold	N/A	mute vehicle microphone (both keys have same effect)	N/A

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UIM LED Indicator Functions

Blue TALK Key and White Volume UP/DOWN Keys

Key(s)	Status of Connections	LED State			
		Power Off	Power On	Pairing in Progress	Mute Mode
TALK (Blue)	***Not Connected***	off	off	flashing	N/A
	Connected (in a Call)	off	on	N/A	flashing
	Connected (No Active Call)	off	on	N/A	N/A
Volume (White)	***Not Connected***	off	off	flashing	N/A
	Connected (in a Call)	off	on	N/A	flashing
	Connected (No Active Call)	off	on	N/A	N/A

Green ANSWER Key and Red END Key

Key(s)	Status of Connections	LED State			
		Power Off	Power On	Pairing in Progress	Call Waiting
ANSWER (Green)	***Not Connected***	off	off	off	N/A
	Connected (in a Call)	off	on	off	flashing
	Connected (No Active Call)	off	off	off	N/A
END (Red)	***Not Connected***	off	on	on	on
	Connected (in a Call)	off	on	on	on
	Connected (No Active Call)	off	on	on	on

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