MOTOMANUAL

T605 User's Manual
Draft Version 1.11

J. Magerl – 07 Dec. 2006_KN

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Welcome

Welcome to Motorola's "connected" world of Bluetooth® personal area wireless networking. The Motorola T605 Automotive Bluetooth Music and Handsfree System makes wireless connection simple and quick.

The advanced, sophisticated Motorola T605 Automotive Bluetooth Music and Handsfree System offers these features:

- Seamless, wireless handsfree audio through a Bluetooth link

- High quality, full duplex digital audio interface

- Voice dialing using your phone's voice control (if available)

- Entertainment mute – Automatically mutes radio during calls

- Noise reduction and acoustic echo cancellation

- Automatic volume control

- Compatible with Bluetooth 1.2 and backwards-compatible with Bluetooth 1.1 devices – supports Headset and Handsfree profiles

- Wireless stereo connection from your Bluetooth enabled music player to your car's entertainment system

- Low level audio output for direct connection to your entertainment system

Note: the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION FOLLOWS. 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

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries, antennas, and convertible covers, may cause your mobile device to exceed RF energy exposure guidelines and may void your mobile devices warranty. For a list of approved Motorola accessories, visit our Web site at: www.motorola.com

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. Please switch off your wireless product in areas that are sensitive to interference or when instructed to do so.

- **Facilities**
  To avoid electromagnetic interference and/or compatibility conflicts, turn off your device in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

- **Aircraft**
  When instructed to do so, turn off your device when on-board an aircraft. Any use of a device must be in accordance with applicable regulations per airline crew instructions.

- **Medical Devices**
  - **Hearing Aids**
    Some devices may interfere with some hearing aids. In the event of such interference, you may want to consult with your hearing aid manufacturer to discuss alternatives.

  - **Other Medical Devices**
    If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you obtaining this information.

Caring for the Environment by Recycling

This symbol on a Motorola product means the product should not be disposed of with household waste.

Disposal of your Mobile Telephone and Accessories

Please do not dispose of mobile telephones or electrical accessories, such as chargers or headsets, with your household waste. In some countries or regions, collection systems have been set up to handle waste electrical and electronic items. Please contact your regional authorities for more details. If no suitable scheme exists, you may return unwanted mobile telephones and electrical accessories to any Motorola Approved Service Centre in your region.

Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device: See RSS-GEN 7.1.5

FCC Notice to Users

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications 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. See 47 CFR Sec. 15.19(3).

If your mobile device or accessory has a USB connector, or is otherwise considered a computer peripheral device whereby it can be connected to a computer for purposes of transferring data, then it is considered a Class B device and the following statement applies:

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:
- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Consult the dealer or an experienced radio/TV technician for help

Declaration of Conformity

Hereby, Motorola declares that this product, T-605, is in compliance with:
- The essential requirements and other relevant provisions of Directive 1999/5/E
- All other relevant EU Directives

IMEI: 350034/40/394721/9
CE 0168
Type: MC2-41H14

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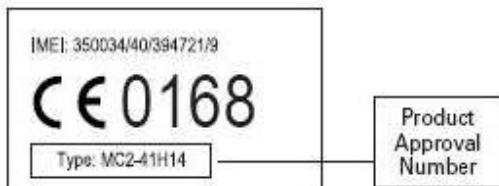
The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to 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.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The governments of the United States and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third party software providers certain exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Smart Practices While Driving

Drive Safe, Call Smart^{SM}

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. Go to www.motorola.com/callsmart for more information.

Your mobile device lets you communicate by voice and data – almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.

- **When available, use a handsfree device**. If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original handsfree accessories available today.

- **Position your mobile device within easy reach**. Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions**. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

- **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility – driving safely.

- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.

- **Use your mobile device to call for help.** Dial 911 or other local emergency number in case of fire, traffic accident, or medical emergencies*

- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.*

- **Call roadside assistance or a special non-emergency wireless number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* - Wherever wireless phone service is available

Installing the Handsfree Car Kit

Guidelines for Installation and connection

- Only qualified personnel should install this car kit. Because of the wide variety of vehicle types and models it may be necessary to contact the vehicle manufacturer for detailed installation information. If needed, contact the 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.

- The car kit is intended for use in 12 Volt negative ground systems only. The car kit draws less than 3 Amps. Confirm that the vehicle's electrical system can supply this current.

- The installation steps are in no particular order. In general, you should first pick the spots where you will be mounting the UIM, microphone, speaker, and junction box. Mount the UIM, speaker and microphone and route the cables to the junction box spot. Install the power adaptor cable. Plug everything into the junction box and mount the junction box.

Car Kit Contents
The car kit contains the following components:
- 1 - Junction Box (Electronic Module) (SYNxxxxxx)
- 1 - Power Adapter Cable (SKNxxxxx)
- 1 - Audio Adapter Cable (SKNxxxxx)
- 1 – UIM (SYNxxxx)
- 1 - Microphone + Mounting Hardware (SMN4095)
- 1 - External Speaker + Mounting Screws(SSN4020)
- 1 - User Guide

How to Install the Handsfree Car Kit
Caution: This car kit must be connected to a **MAXIMUM** 5 Amp fuse in the car fuse panel to prevent fire or other damages should a short circuit occur in the junction box.

Before installation, unpack, assemble, and test all components on a service bench.

Installing the Junction Box
Mount the junction box using the screws provided.

The best location for the junction box is under the dash. The box must be protected from dirt and moisture and have adequate space for cooling and to allow for cable connections.
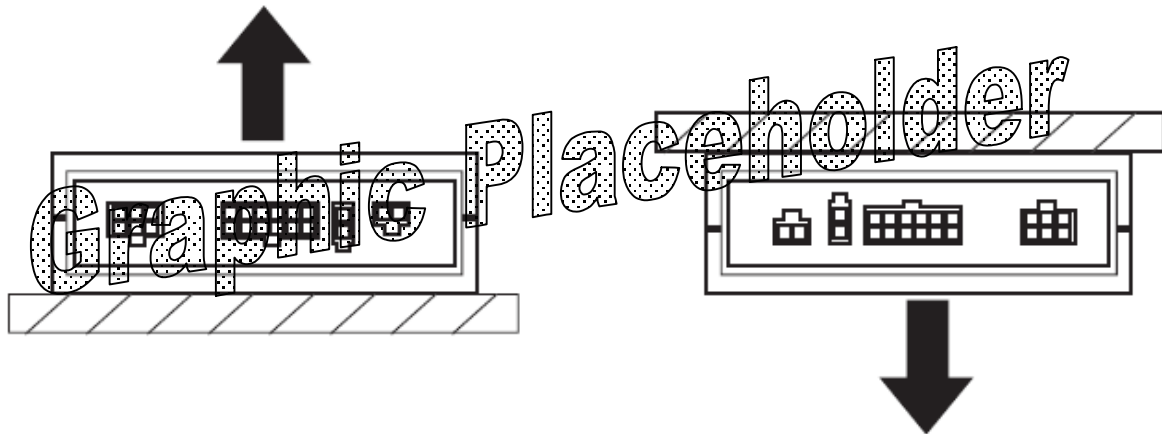
For optimal Bluetooth performance, mount the junction box so that the side with the barcode faces away from the mounting surface. The junction box can be oriented in any direction. Do not place it behind or within large areas of metal.

The location **MUST NOT** interfere with the vehicle's air bags

Installing the Power Adapter Cable

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

Note: A vehicle adapter harness may be available from a third-party vendor that allows integration of the T605 handsfree audio into the vehicle entertainment system. The white, 8pin connector on the power adapter cable harness is designed to connect directly to such an adapter harness. If you choose to use a third party vehicle adapter harness (not supplied), follow the third-party vendor's guidelines for proper installation.

For installation into a vehicle without the use of a third party adapter harness:

Speaker (SSN4020)

Junction Box (SYN1102A)

Power Cable (SKN4834A)

Vehicle Radio

Orange
Blue
Yellow

Green: to fuse box

Microphone (SMN4095B)

Wire Crimps: green to green, red to red, black to black

Black: to vehicle chassis

Red: to a point in fuse box that is always active 4 - 5 AMP fuse

User Interface Module (SYN1101A)

Fuse Kit (SKN4937A)

Graphic Placeholder
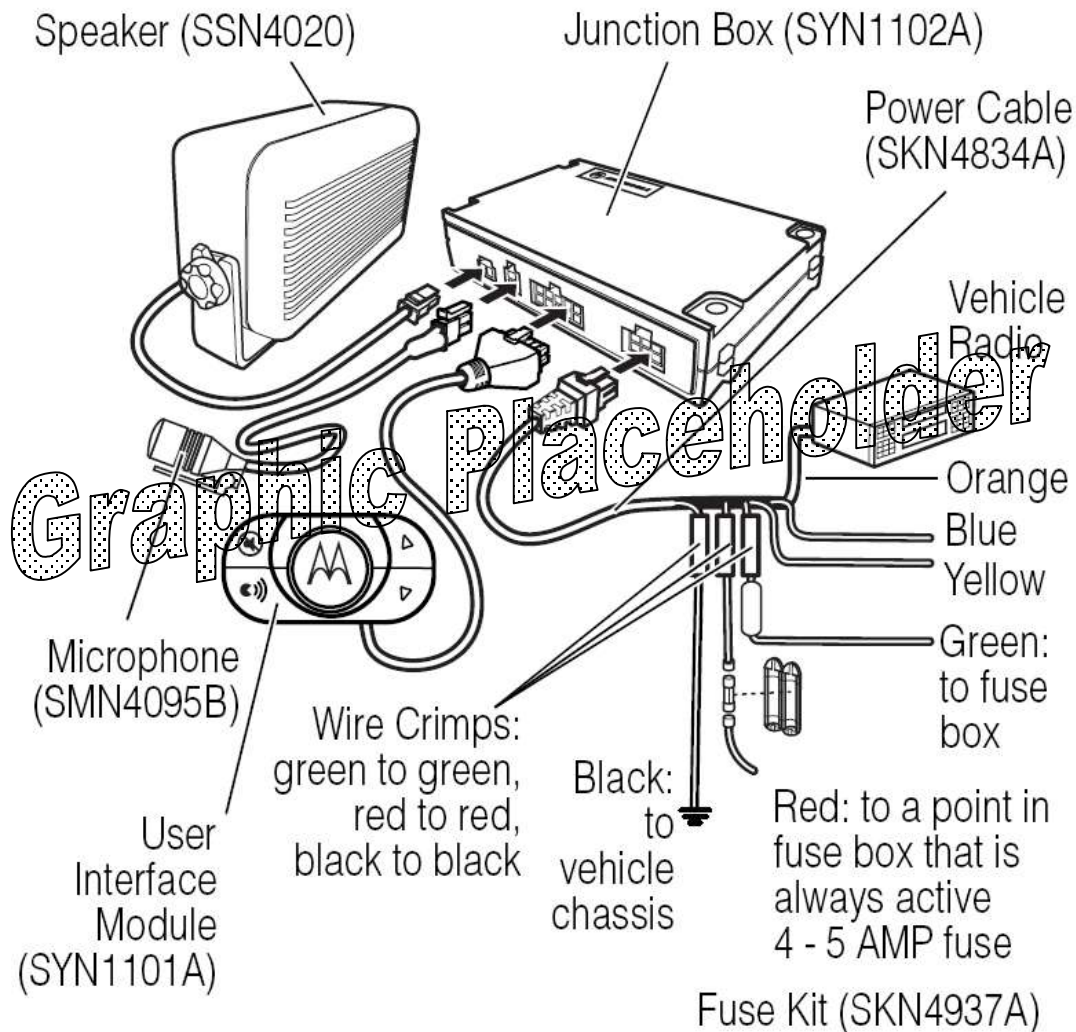
1. Disconnect the vehicle's battery.

2. Remove all fuses and tape them to their respective holders. **DO NOT** re-insert fuses until you complete and inspect all connections.

3. On the Power Adapter Cable harness, cut off the white 8pin connector as close to the connector as possible. Be sure to leave the inline fuses on the power cable along with enough spare length of wire to allow connections to be made. Dispose of the connector.

4. Connect the Power Adapter Cable's **GREEN** Ignition Sense wire (3 Amp fuse) to an ignition-switched location on the fuse block. When the ignition is off, the ignition sense line should be low.

5. Connect the Power Adapter Cable's **YELLOW** Entertainment Mute Wire to the vehicle's entertainment system.

   Note: This feature is only useable if the vehicle's entertainment system supports an active low, single wire, radio mute signal. Otherwise, the installation may require an optional relay adaptor (not included) or other customization.

6. Connect the Power Adaptor Cable's **RED** positive primary lead (4 Amp fuse) to a point in the vehicle's fuse box that is fused at 4 to 5 Amps. The RED positive primary lead should be powered continuously. On/Off switching is performed by the GREEN Ignition Sense wire.

   Do not connect the RED and the GREEN wires together. Doing so will limit the functionality of the car kit.

7. Connect the Power Adapter Cable's **BLACK** ground wire to the vehicle chassis.

8. Connect the Power Adaptor Cable's **ORANGE** wire to the + line-level telephone audio input of the vehicle's entertainment system.

   Connect the Power Adaptor Cable's **BLUE** wire to the - line-level telephone audio input of the vehicle's entertainment system.

   Note: This feature is only operational if the vehicle's entertainment system supports this capability. Installation may require additional customization. Skip this step if your entertainment system does not support this feature or if you are using the external speaker (supplied).

9. Inspect all connections.

10. Re-insert all fuses. Do not replace any fuse with a higher Amperage fuse.

11. Reconnect the vehicle's battery.

Installing the Microphone

Note: Always use the supplied mounting hardware

Note: The microphone must be positioned properly or the car kit **WILL NOT** perform optimally.

1. Mount the microphone in a suitable location using either screw, Velcro, or clip.

   - Locate the microphone no more than 16 inches (40 cm) from the driver.

   - Aim the microphone toward the driver.

   - Do not allow anything (such as a rear-view mirror or sun visor) to block the path between the microphone and the driver.

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

   - The preferred spot to mount the microphone is on the overhead console/dome light assembly near the front center of the vehicle, away from the window, pointed toward the driver's head,.

   - Refrain from locating the microphone directly in the path of heat/AC vents.

   - Refrain from mounting the microphone on door pillars or windows that can transmit exterior wind noise to it.

   - The microphone should not be attached to the car's visor.

2. Route the microphone cable down the side of the windshield, thru the dash and to the junction box.

3. Connect the microphone to the junction box.

Installing the External Speaker

Note: Always use the supplied mounting hardware.

Note: If you have used the orange and blue wires to connect the audio to the vehicle's entertainment system, you do not have to install the external speaker. Please skip this step.

1. Mount the speaker to the transmission hump or beneath the dash. Position the speaker so that it does not directly face the microphone. It is recommended that the speaker and microphone be separated by at least 3 feet (90cm)
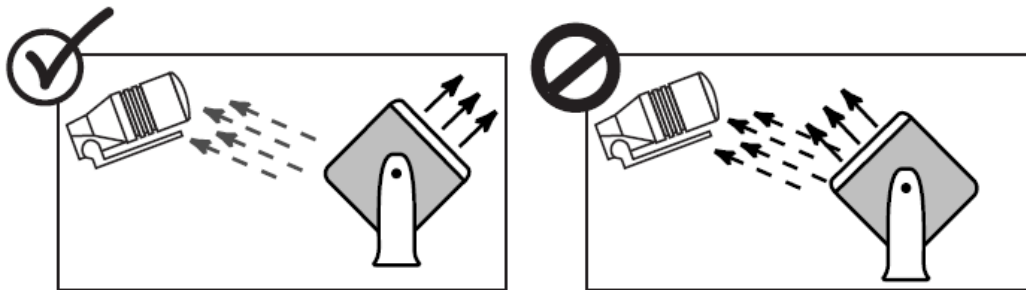
2. **Caution**: The location of the external speaker **MUST NOT** interfere with the vehicle's air bag deployment.

3. Connect the speaker to the junction box .

The car kit comes with a user selectable "speaker tuning" parameter. By default the single speaker tuning parameter is selected. If multiple speakers are being used, the dual speaker tuning parameter should be selected. If the speaker audio is not clear, regardless of how many speakers are used, try switching to the other tuning parameter to see if clarity is improved.

- **To change the speaker tuning parameter**:
  1. Press and hold both the multifunction button and the volume up button for 6 seconds. A single long confirmation tone will sound indicating the single speaker tuning parameter is selected.
  2. Press and hold both the multifunction button and the volume down button for 6 seconds. Two short confirmation tones will sound indicating the multiple speaker tuning parameter is selected.

Installing the Audio Adapter Cable

1. Unplug any cables connected to the entertainment system's Auxiliary Input. Connect these same cables to the car kits R In and L In connectors using an appropriate adaptor if needed (not supplied). Skip this step if there are no cables plugged into the Auxiliary Input.

2. Plug the car kits R Out and L Out connectors into the entertainment system's Auxiliary Input using an appropriate adaptor/cable if needed (not provided). If there are no Auxiliary inputs, an FM modulator (not supplied) can be used to send the audio to the entertainment system.

3. Connect the 8 pin Audio connector into the junction box

Installing the User Interface Module

The User Interface Module (UIM) can be mounted in several orientations to provide a safe and comfortable environment for use. The UIM can be mounted on any flat spot, anywhere on the dash. Curved surfaces can cause difficulties in pushing the buttons.

Caution: The location of the UIM must not interfere with the vehicle's air bag deployment

1. Select a spot on the dash and press the UIM cable into the grooves on the back of the UIM such that the UIM is oriented properly in the desired location. The cable must be contained in the slot to provide a flat surface for the UIM to be mounted on.

2. Remove the backing on the rear of the UIM and press the UIM firmly into place.
   - The mounted UIM **MUST NOT** create a visual distraction.
   - **Do not** mount the UIM on the steering wheel.
   - The UIM must be in **easy** reach of the driver.

3. Connect the UIM to the junction box

Using Your Car Kit

The User Interface Module (UIM)

The user interface module enables you to set up and use your Bluetooth Handsfree Car Kit.

There are five buttons whose functions will vary depending on how they are pressed (see appendix 3). You can short press a button (press and release), you can long press a button (press and hold for 2 to 6 seconds), or you can perform a >6sec press of a button (press and hold for 6 seconds or greater). The function of the button will also change depending on what mode the car kit is in. The Connected mode will be used to access the phone features and the Music mode will be used to access the music player features.
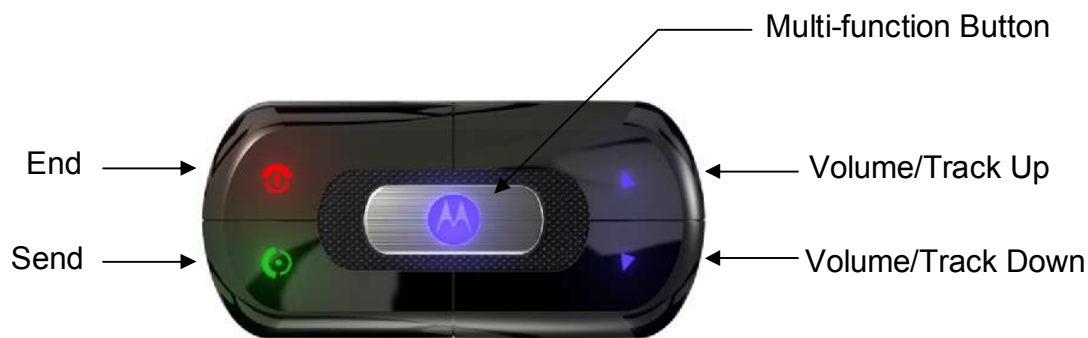
Linking Your Car Kit and Bluetooth Enabled Device

Before you can use your Bluetooth car kit, you must first link it with your Bluetooth enabled device. You establish a Bluetooth link between your car kit and your device by creating a *paired link*.

When you set up a paired link, the car kit remembers your device. Once the car kit and your device are paired, the car kit automatically connects to your device every time you start your vehicle or power up the car kit. The car kit can remember up to 6 devices and can connect up to 2 devices at once as long as they are of separate services (a phone device and a music device but not two phone devices or two music devices).

Note: For safety reasons, it is recommended that the pairing process be performed in a stationary vehicle.

Initial Pairing/Bonding

Important: The process of initiating a Bluetooth connection with a device varies by device manufacturer. Please have your device's user manual available for reference if needed.

STEP ONE – Turn on your device's Bluetooth feature

Your device's Bluetooth feature is off by default. To use your car kit, you must first turn on the Bluetooth feature in your device.

For **most** Motorola phones:
1) Press: **Menu> Settings>Connection> Bluetooth Link> Setup**
2) Scroll to **Power**
3) Select **Change**
4) Scroll to **On**
5) Press **Select** to turn on the Bluetooth feature. The Bluetooth feature remains on until you turn the feature off.

Reminder: These steps are for **most** Motorola phones. For other devices, see your device's user manual.

STEP TWO – Connecting to your car kit

Before you can use your car kit, you must first pair/bond it to your device. With the car kit and device turned on and in proximity:

1. **ENSURE THAT THE CAR KIT IS IN PAIRING MODE**.
   Press and hold (for more than 2 seconds) the Multi-Function button until it beeps and starts flashing blue. The car kit is now in the pairing mode.
2. **SET YOUR DEVICE TO LOOK FOR YOUR CAR KIT.**
   For **most** Motorola phones:
   Press: **Menu> Settings> Connection> Bluetooth Link> Handsfree> Look for Devices**
   Your device searches for any Bluetooth devices around it. When searching is complete, your device will display a list of the devices it finds. Searching may take a minute or two to complete.

Reminder: These steps are for **most** Motorola phones. For other devices, see your device's user manual

3. Select **Motorola T605** from the list of devices.
4. Enter the passkey **0000** when prompted, and press the **OK** key.
   If pairing is successful, the multifunction button will flash purple followed by a steady blue light (Connected mode) or a steady yellow light (Music mode).
5. If the car kit does not find any new devices, it will start looking for existing devices that have already been paired. This is indicated by the Multi-function button turning red. If this happens, go back to step two and repeat the initial pairing process

Additional Pairings

Ensure that any previously paired devices are turned off. Repeat the initial pairing process with the new device.

Automatic Connection

After the initial pairing, each time you start your vehicle, your Bluetooth enabled device and car kit will automatically be connected (only if your device is powered on and the device's relevant settings have not changed).The car kit will first try to connect to the last phone device used. If it is unable to connect, the

car kit will then try connecting to the next device in it's history list. If a phone device and a music device are both present, both will be connected. If there are two phone devices available, the car kit will connect to the one last used and ignore the other. When the Bluetooth connection is established, the Multi-function button stays lit. If you are in a call when the car kit powers up, the call will automatically be transferred to the car kit once the Bluetooth link is completed.

If your device is powered off when you start your vehicle, the Bluetooth connection may not be automatically established when you turn on your device

To manually connect a previously paired device:

1. Turn on the device.
2. Set your device to look for the car kit.
For **most** Motorola phones:
Press: **Menu> Settings> Connection> Bluetooth Link> Handsfree>** and select **Motorola T605** from the list and press **OK**. Your device then attempts to connect to the car kit. If a Bluetooth connection is established, the Multifunction button will change from red to either steady blue or steady yellow depending on the device that is paired (a phone device is blue, a music device is yellow).If both a phone device and a music device are connected, the multifunction button will be yellow.

Disconnecting the Car Kit from Your Bluetooth Device

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The car kit and Bluetooth device are automatically disconnected when you turn off the vehicle. If you are in an active call, and the car kit is powered down, the car kit will remain powered until the call is completed.

• *To manually disconnect the car kit from your phone:*
Press and hold for 2 seconds the red END button while not in a call. The car kit will then attempt to form a Bluetooth paired link with the next available phone on its history list. If there are no other phones available the car kit will continue to look for any phone that was previously paired. If you desire to reconnect the phone that was just disconnected, you must initiate the pairing process from the phone. See your phone's instruction manual for details.

• *To manually disconnect the car kit from your stereo device:*
Press and release the red END button while not in a call. The car kit will then attempt to form a Bluetooth paired link with the next available stereo device on its history list. If there are no other stereo devices available the car kit will continue to look for any stereo device that was previously paired. If you desire to reconnect the stereo device that was just disconnected, you must initiate the pairing process from the stereo device. See your device's instruction manual for details.

• *To remove all paired devices from the car kit's history list:*
Press and hold the red END button for 6 seconds while not in a call. Once the device has been removed from the history list it must be re-paired again per section *"Initial Pairing/Bonding"* before it can be used.

Using your Phone

Placing a Call
You can place a call with the car kit in these ways:
• Dial a number from the phone.
Enter the number on the phone's keypad and press the phone's send button. The call will automatically be transferred to the car kit.
• Press and hold the green SEND button for 2 seconds and follow the directions in your phone's user guide for voice dialing a number. Follow any voice prompts the phone may give.
• Press the green SEND button to redial the last number.

In all cases, you must first link your car kit and phone as described previously in "Initial Pairing." When connected, the call is handsfree.

Answering a Call

The Multi-function button fast flashes blue and the phone rings to indicate an incoming call. While the phone is ringing, answer the call by briefly pressing the green SEND button. Once the call is answered, the Multifunction button slow flashes blue.
You can reject the call by pressing the red END button.

Note: Performance may vary on phones from different manufacturerers. Please visit the support section of www.hellomoto.com for information on phone compatibility.

In-Call Features

Note: To use the functions described below, a Bluetooth link must be established between the car kit and your phone. Once the initial pairing is completed the car kit will activate a Bluetooth link automatically.

Transferring a Call (Privacy Mode)

If you are talking handsfree and do not want anyone to hear, you can transfer the call to the phone for a more private conversation.

- **From the car kit to your phone:**
During a call, press and hold the green SEND button for more than 2 seconds. (Most phones prompt you to accept the transfer before completing the transfer.)
- **From your phone to the car kit:**
During a call, press and hold the green SEND button for more than 2 seconds. Some phones require you to press and hold the green SEND button twice. (See the user's guide for your phone for more information.)

Muting and Un-muting a Call

- **To mute the microphone during a call:**
Press and release the car kit's Multi-function button. The Multi-function button will turn from blue to purple indicating that the other party will not be able to hear you.
To un-mute the call:
Press and release the Multi-function button again. The multi-function button will turn back to blue

Receiving a Second Call

Note: Call waiting is a subscription-dependent feature. You must be subscribed to it before you can use it. Contact your network service provider for more information.

Note: Your car kit supports second call notification with phones that support the Handsfree profile. To see what your phone supports, please consult your phone's user guide.

If you receive a call while you already have a call in progress, you can either reject the second call or place the first call on hold while you answer the second call.

• **To reject the second call**:
Press the red END button.

• **To put the current call on hold and answer the second call:**
Press and release the green SEND button. The Multi-function button fast flashes blue to indicate a call on hold.

• To switch between the active and held calls:
Press and release the green SEND button.

Pressing the red END button will terminate the active call. To end a call on hold, first press the green SEND button to make the call active and then press the red END button to terminate it.

Three-Way Calling

Note: Three-way calling is a subscription-dependent feature. You must be subscribed to it before you can use it. Contact your network service provider for more information.

Note: Your car kit supports three-way calling features with phones that support the Handsfree profile. To see what your phone supports, please consult your phone's user guide.

If a call is in progress and another call is incoming or on hold:
Press and hold the Multi-function button for 2 seconds to join the two calls and create a three-way conference call.

Note: Some phones may require you to press and hold the Multi-function button for 2 seconds *twice*.
Tip: You can reject the second incoming call by pressing the red END button.

Volume Buttons

Press the blue VOLUME buttons on the car kit to increase and decrease the volume. If you press and hold a volume button, the volume is automatically increased or decreased to the highest or lowest step. If your phone supports this feature, you can also adjust the volume remotely by pressing the phone's volume buttons,

Pressing the blue VOLUME buttons while in a call will raise or lower the volume of the call.
Pressing the blue VOLUME buttons while not in a call will raise or lower the volume of the ringer and alert tones.

Summary of Phone Features (while in Connected Mode)

How Do I…….?	Action
Make a call	Dial a number from the phone for manual dialing
	Press the green SEND button for last number redial
	Press and hold the green SEND button for 2 seconds for voice dialing
Switch to privacy mode	Press and hold the green SEND button for 2 seconds
Answer a call	Press the green SEND button
Redial last call	Press the green SEND button
Mute/Unmute a call	Press the multifunction button
Receive a second call	Press the green SEND button
Three way calling	Press and hold the Multi-function button for 2 seconds
Change the call volume	Press the blue VOLUME buttons
Reject an incoming call	Press the red END button
End a Call	Press the red END button

Using your Music Player

Before you can use your Bluetooth enabled music device, you must first create a paired link. See "***Linking Your Car Kit and Bluetooth Enabled Device***" above. If your music device is part of your phone, you should only have to pair the phone once to create the needed connections.

The Car kit has two modes: the Connected mode and the Music mode. Selection of the mode is automatic. Playing music through the Bluetooth link will automatically switch the car kit to the music mode. Receiving a phone call will automatically switch to the connected mode. The color of the Multi-function button indicates the mode you are in: blue for the connected mode, yellow for the music mode. In the connected mode, the car kit's external speaker is enabled. In the music mode, the connection to the in-vehicle sound system is enabled. An incoming call will pause the music while the call is active. At the end of the call, music will resume from where it left off. When in the music mode, you can use the buttons on both the player and the UIM to control the players function.

Start/Stop Music Player:
If you are in the Connected Mode (blue indicator light), press the Multi-function button to enter the Music Mode and start the music player.

Press the Multi-function button again to stop the music player and re-enter the Connected Mode.

If you are in the Music Mode (yellow indicator light), press the green SEND button to start the music player.

Press the red END button to stop the music player and stay in the Music Mode.

If the music player was playing a track when it was stopped, the music will resume from the beginning of the last track played.

Pause/Resume music:
While music is playing, pressing the green SEND button will pause the music. Press the green SEND button again to resume the music from where it left off.

Launch Phone Voice Dial:
Press and hold the green SEND button for 2 seconds. This will switch the car kit to the connected mode so you can voice dial a number. When you end the call, the car kit will revert back to the music mode. If you do not make a call, press the play button on your music device to switch back to music mode.

Last number Redial:
Press the Multi-function button to stop the music and enter the connected mode, then press the green SEND button for last number redial. If music is playing, the music will be stopped and a call made. After the call is finished, press the Multi-function button to start the music again.

Next Track:
Press the blue VOLUME/TRACK UP button.

Previous track:
Press the blue VOLUME/TRACK DOWN button.

Track Fast Forward:
Press the blue VOLUME/TRACK UP button and hold for 2 seconds

Track Fast Reverse:
Press the blue VOLUME/TRACK DOWN button and hold for 2 seconds

Using the wired audio input
The car kit can select from 2 sources of audio: audio from the Bluetooth link or audio from the line-in inputs. Selection is automatic. Music from the Bluetooth link will take precedent over music from the line-

in inputs. If the system was installed with an FM modulator to send your music to the radio, you must first turn the FM modulator on and tune to the appropriate spot on the dial to hear your music.

Changing Volume

Press the volume buttons on your music player to change the volume or use the entertainment system's volume control.

Summary of Music Player Features (while in Music Mode)

How Do I……..?	Action
Start the music while in Connected Mode	Press the multi-function button
Stop the music, enter Connected Mode	Press the multi-function button
Start the music while in Music Mode	Press the green SEND button
Stop the music, stay in Music Mode	Press the red END button
Pause/Resume music	Press the green SEND button
Voice dial a phone number	Press and hold the green SEND button for 2 seconds
Redial the last number	Press the multi-function button , then press the green SEND button
Go to the next track	Press the blue VOLUME + button
Go to the previous track	Press the blue VOLUME - button
Fast forward a track	Press and hold the blue VOLUME + button for 2 seconds
Reverse a track	Press and hold the blue VOLUME – button for 2 seconds
Change volume	Press the music player volume buttons Use the entertainment system's volume control

If You Need Help

For troubleshooting help or for a local hotline phone number, visit us at the support page of
www.hellomoto.com
www.hellomoto.com/bluetooth (click on support)

Warranty Coverage

Please refer to warranty information provided elsewhere in the box or from the dealer information given to you at time of purchase.

Product Registration

Online Product Registration:

http://Direct.motorola.com/hellomoto/Motosupport/source/registration.asp

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Contact Information

Motorola Inc.

Consumer Advocacy Office
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Schaumburg, IL 60196

www.hellomotto.com
www.hellomoto.com/bluetooth (click on support)

1-877-MOTOBLU (Motorola Bluetooth® Support
1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States for hearing impaired)
1-800-461-4575 (Canada)

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Appendix 1:

Trouble Shooting

I cannot pair my device with the car kit	Turn the device off and then back on. Try pairing the device and car kit again. Sometimes removing the device's battery and reinstalling it will help. Remove all previous pairings by pressing and holding the red END button for greater than 6 seconds. Try pairing the device again. If you are using a Motorola phone, do not use the "Find me" menu item for pairing. Read your phone's user manual to determine how to perform an initial pairing.
I make a call and the other party hears too much background noise	Check the location and placement of your car kit's microphone. It is recommended to mount the microphone in the front center of the car, no more than 16 inches (40 cm) from the drivers head. Exterior wind noise can easily be transmitted to the microphone if it is near a window or if air is blowing on it from a vent.
My device doesn't find my car kit.	Make sure the multifunction button is flashing blue while the device is searching for the car kit. Do this by pressing and holding the multifunction button for longer than 2 seconds to enter the pairing mode.
Invalid Bluetooth passkey	If you enter an invalid Bluetooth passkey, you will have to start the pairing process again. You do not get another chance to enter the passkey.
The car kit pairs to another device instead of mine	The other device was the last device used by the car kit. See the section "Disconnecting the Car Kit from Your Bluetooth Device" to change devices.
I paired my device with the car kit but now the car kit won't pair with it.	Your device has been manually disconnected from the car kit. Try initiating the pairing process again. The Bluetooth feature in your device has been turned off. Follow the directions in your device's user manual to turn it back on.
I cannot voice dial a call	You may not have a "voice tag" set up for the number you want to dial. Follow your device's user manual to set up voice dialing. Background noise may be interfering with your voice. Re-locate the microphone to a quieter place. Move the microphone closer to the driver. Passengers in the car should be quiet while voice dialing. Minimize wind noise by rolling the windows up. Most phones will prompt with a beep to indicate it is now time to speak. Wait until the beep has ended before speaking. Do not over speak the beep.
Call waiting does not work. Three way calling does not work	These are subscription services. Contact your service provider to sign up.
My phone and my wife's phone will not connect at the same time even though the car kit's user manual says it can handle 2 devices at a time.	This is correct. While the car kit can connect up to two devices at a time, the two devices cannot be of the same service type. One phone and one music device will connect but two phones will not and two music devices will not. Some phones have onboard music capabilities, in which case only one physical device will connect.

My phone has a music player but I can't hear music even though I can hear the phone	Most phones with a music player will pair both devices at the same time. Some won't, and will require another initial pairing process to pair the music player. Try initiating the pairing process again to pair the music player. Even though you can hear the phone, you must still have the entertainment system set to the correct input to hear music. In most cases that would be the AUX input. If your system includes an FM modulator to send your music to the radio, you must first turn on the modulator and tune the radio to the correct spot on the radio dial to hear your music.
I cannot pair a new device to the car kit (another Bluetooth music device is connected)	Certain Bluetooth music adapters interrupt the pairing process, as they try to connect all the time. If this occurs, turn off the music adapter/device, and then attempt to pair the new Bluetooth device.
My phone doesn't reconnect to the car kit when going out of range and coming back in range. (connection already established, another Bluetooth music device is connected)	Certain Bluetooth music adapters do not allow release of the car kit to reconnect to another device. If this occurs, reconnect the phone to the car kit using the phone's connection menu/commands. Alternatively, selecting a phone voice activation session via the car kit UIM (2 second press of the green Send key) will reconnect the phone, after a slight delay.

Appendix 2:

The Multi-function button indicator light will change color to indicate the car kit's current status.

Car Kit Status	Indicator Light
Power on	White then Three Fast Blue Flashes
Standby – No Bluetooth device paired	Steady Red light
Standby – Bluetooth device bonded, Connected Mode	Steady Blue light
Standby – Bluetooth device bonded, Music Mode	Steady Yellow Light
Pairing Mode	Continuous Blue Flashing
Pairing Successful	Short Purple Flash than Steady Blue
Incoming Call	Repeated Short Blue Flash
In Call	Repeated Long Blue Flash
Muted	Repeated Long Purple Flash
No Service	Flashing Red Repeated
Music Player Started	Three Fast Yellow Flashes
Music Playing	Steady Yellow light
Music Paused	Flashing Yellow Light
Music Player Stopped	Three Fast Yellow Flashes

Appendix 3:

Short Press: Press and release
Long Press: Press and hold for 2 to 6 seconds
>6sec Press: Press and hold for 6 to 9 seconds

UIM Button – Functional Description

Button	Button Press	Not Paired	Paired		Music Mode
			Voice Mode		
			In a Call	Not in a Call	
Multi Function	Short Press	-----	• Mute • Un-mute	○ Enter Music Mode and Start Music	• Enter Connected Mode and Stop Music
	Long Press	• Enter Pairing Mode	• Join two calls	• Enter Pairing Mode	• Enter Pairing Mode
Send	Short Press	-----	• Answer Incoming Call • Answer 2nd Incoming Call (first call put on hold) • Switch between two calls	• Last number redial	• Pause Music • Resume Music • Play Music (if stopped)
	Long Press	-----	• Transfer call from car kit to phone • Transfer call from phone to car kit	• Launch phone voice dial	• Launch phone voice dial and enter Connected mode
End	Short Press	-----	• End Active Call • Reject First Call • Reject Second Call	• Disconnect from current stereo device and attempt to bond with next stereo device in previously paired list • Exit phone voice dial	• Stop Music
	Long Press	-----	-----	• Disconnect from current voice device and attempt to bond with next voice device in previously paired list	-----
	>6sec Press	• Remove all paired devices from history list	-----	• Remove all paired devices from history list	-----
Volume Up	Short Press	• Increase volume of feedback tones only, one step	• Increase volume of downlink audio, one step	• Increase volume of ringer and tones, one step	• Next Track
	Long Press	• Incrementally increase volume of feedback tones, one step per second	• Incrementally increase volume of downlink audio one step per second	• Incrementally increase volume of ringer and tones, one step per second	• Track Fast Forward
Volume Down	Short Press	• Decrease Volume of feedback tones only, one step	• Decrease Volume of downlink audio, one step	• Decrease volume of ringer and tones, one step	• Previous Track
	Long Press	• Incrementally decrease volume of feedback tones only, one step per second	• Incrementally decrease volume of downlink audio, one step per second	• Incrementally decrease volume of ringer and tones, one step per second	• Track Fast Reverse
End + Volume Up	>6sec Press	• Hardware Reset	• Hardware Reset	• Hardware Reset	• Hardware Reset
Multifunction + Volume up	>6sec Press	• Single speaker tuning parameter selected	----	• Single speaker tuning parameter selected	• Single speaker tuning parameter selected
Multifunction + Volume down	>6sec Press	• Dual speaker tuning parameter selected	----	• Dual speaker tuning parameter selected	• Dual speaker tuning parameter selected

Appendix 4: Button Functionality

Connected Mode – <u>NOT</u> in a Call

Definitions:
Short Press: Press and Release
Long Press: Press and hold for 2 to 6 seconds
>6 sec Press: Press and hold for 6 seconds or more

END BUTTON
Short Press
- Disconnect from current Music Device
- Attempt to bond with next music device on history list

Long Press
- Disconnect from Current Phone Device
- Attempt to bond with next phone device on history list

>6 Sec Press
- Remove all paired devices from the history list

MULTIFUNCTION BUTTON
Short Press
- Enter Music Mode and start music

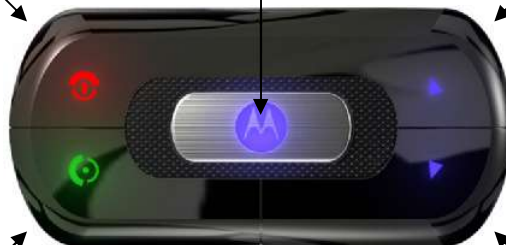Long Press
- Enter Pairing Mode

VOLUME UP BUTTON
Short Press
- Increase Ringer Volume One Step

Long Press
- Increase Ringer Volume One Step per Second

SEND BUTTON
Short Press
- Last Number Redial

Long Press
- Launch Phone Voice Dial

VOLUME DOWN BUTTON
Short Press
- Decrease Ringer Volume One Step

Long Press
- Decrease Ringer Volume One Step per Second

Appendix 5: Button Functionality

Connected Mode – In a Call

Definitions:
Short Press: Press and Release
Long Press: Press and hold for 2 to 6 seconds
>6 sec Press: Press and hold for 6 seconds or more

MULTIFUNCTION BUTTON
Short Press
- Mute/Unmute
Long Press
- Join two calls

END BUTTON
Short Press
- End Active Call
- Reject First Call
- Reject Second Call

VOLUME UP BUTTON
Short Press
- Increase Volume One Step
Long Press
- Increase Volume One Step per Second

SEND BUTTON
Short Press
- Answer Incoming Call
- Answer 2nd Incoming Call
- Switch Between Two Calls
Long Press
- Enable/disable Privacy Mode

VOLUME DOWN BUTTON
Short Press
- Decrease Volume One Step
Long Press
- Decrease Volume One Step per Second

Appendix 6: Button Functionality
Music mode

Definitions:
Short Press: Press and Release
Long Press: Press and hold for 2 to 6 seconds
>6 sec Press: Press and hold for 6 seconds or more

MULTIFUNCTION BUTTON
Short Press
- Enter Connected Mode and stop music

Long Press
- Enter Pairing Mode

TRACK UP BUTTON
Short Press
- Next Track

Long Press
- Track Fast Forward

END BUTTON
Short Press
- Stop Music

SEND BUTTON
Short Press
- Pause/Resume music
- Play music (if stopped)

Long Press
- Enter Connected mode and launch Phone Voice Dial

TRACK DOWN BUTTON
Short Press
- Previous Track

Long Press
- Track Fast Reverse