

user guide



Rearview Mirror Car Kit with
Bluetooth® Wireless Technology

FCC 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.

Caution:

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the warranty and users' 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:

- Reorient 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.

FCC Radiation Exposure Statement:

To comply with the FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Notice

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. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications of the RSS210.

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CONTENTS

Package Contents	2
Installation	4
Step-by-step installation instructions	4
Powering up	4
Pairing	5
Using the wireless rear view mirror	6
FAQ	7
Troubleshooting	9

REAR VIEW MIRROR CAR KIT WITH BLUETOOTH® WIRELESS TECHNOLOGY

The Rear View Mirror Car Kit with Bluetooth Wireless Technology (“wireless rear view mirror”) has an innovative structural and functional design that allows it to be used as either a car kit/speakerphone or a headset.



Once you have completed the easy installation of your new wireless rear view mirror, (instructions are provided on page 4), you can answer, end, reject, redial, place calls, or adjust the speaker volume with the simple press of a button.

The wireless rear view mirror also supports voice dialing. This enables you to dial your favorite contacts without taking your eye off the road, or touching your phone. The wireless rear view mirror complies with Bluetooth wireless technology version 1.2 and supports both the Headset Profile and Hands-free Profile.






Features

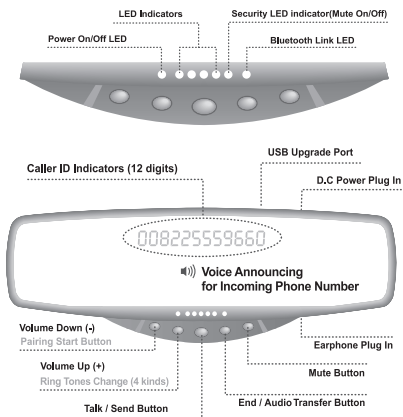
- Compatible with GSM, CDMA, TDMA, and WCDMA Bluetooth technology-enabled phones
- Anti-glare rear view mirror
- 12-digit Caller ID (if supported by your mobile phone)
- Telephone number announcement of incoming calls
- Optional ring or voice tones
- Digital noise and echo suppression system
- Two-way conversation
- High power amplifier and speaker
- Directional high sensitivity microphone
- Voice dialing, redial, and audio transfer functionality
- Automatic re-connect
- Mute button
- Easy set up and operation
- Modern elegant design
- Optimal sound clarity
- Surge prevention circuit
- Upgradeable firmware

Package Contents

- Rear view Mirror Car Kit with Bluetooth Wireless Technology
- Power Adapter Cable
- User's Manual

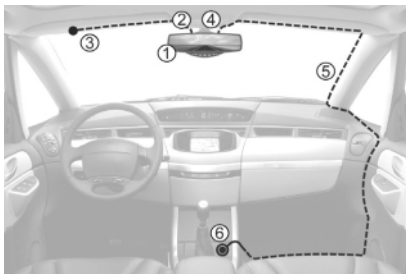
Part Descriptions

- **D.C. Power Input** connects through your vehicle's 12 volt power supply.
- **USB Firmware Upgrade Port**
- **Speaker**
- **12 digit Caller ID Indicators**
- **LED Indicators** four LEDs light during handsfree use
- **Bluetooth LED Link** twinkles when in pairing mode.
- **Light on** appears when in wireless mode.
- **VOL -**  adjusts the speaker volume down. Also used for making ringtone changes.
- **VOL +**  adjusts the speaker volume up. Also used during initial set up and pairing process.
- **SEND**  controls answer, talk, redial, voice dialing, and pairing re-activation.
- **END**  controls end, reject, and audio transfer.
- **Mute**  the speaker to allow private conversation with optional earphone (not included).
- **EAR** plug to connect the optional earphone (not included).



Installation

Installation is as easy as inserting the power adapter cable into your vehicle's 12 volt power supply and clipping the wireless rear view mirror over the existing rear view mirror.



Step-by-step installation instructions

1. On the back of the wireless rear view mirror there are two pairs of clips. Place the bottom pair of clips on the underside of the car's original rear view mirror. Lift the unit so that the bottom clips extend. This allows the top clips to be fixed in position on top of the car's original rear view mirror, and held securely until the unit is in place. Adjust the fitted unit to your preference for clear rear-view vision.
2. Select a suitable position for the microphone. The front or back of the vehicle sun visor is usually adequate. The microphone may be moved by detaching, rotating, and re-attaching it to the correct side of the visor.

3. Ensure that there is distance between the microphone and the visor.

Note: For optimal communication, it is highly recommended that the front side of the microphone (where there are more holes), be placed directly facing the operator.

4. Insert the power jack of the power adapter cable in its respective socket on the wireless rear view mirror.

The power lead should be secured and hidden into the vehicle's interior, using the seals or joins around the door's A-Frame, and under the dashboard. Ensure enough cable is left to connect to the 12 volt power supply.

Note: Please ensure that the microphone and power cable do not interfere with safe operation of your vehicle.

Powering up

Once the unit has been installed, it will power up automatically when the power source is enabled (by turning on the car or inserting the adapter into the vehicle's 12 V power socket).


Pairing

The wireless rear view mirror supports both **HandsFree** and **Headset** profiles. The default profile is HandsFree. You only need to pair the device with your cell phone once. Subsequently, the unit will pair automatically.

Up to four cell phone's pairing information can be stored in the wireless rear view mirror.



- The oldest phone number will be removed when pairing a fifth phone (the memory is full).
- The pairing priority will be given to the most recent paired cellular phone.
- To change the pairing priority, try to connect to the wireless rear view mirror from the cell phone. (Refer to "Cell phone pairing mode" on page 5.)

Pairing in Hands-Free mode

1. With the power ON, press  for six seconds.
2. You will hear a second beep tone, indicating that the unit is ready for initial pairing operations.

Pairing HF appears on the mirror.

Pairing in Headset mode

1. With the power ON, press  for six seconds.
2. You will hear a second beep tone, indicating that the unit is ready for initial pairing operations.
3. Press  again for six seconds.
4. You will hear a second beep tone, indicating that the unit is ready to be paired with the headset. **Pairing HS** appears on mirror.

Note: The **Headset** mode does not support Caller ID, voice dialing, or reject call.

Cell phone pairing mode

1. Browse your cell phone menu and find the connectivity and/or wireless connection section.
2. On your cell phone, search for a new HandsFree device, and allow the phone to find the wireless rear view mirror.

Note: Refer to your cell phone's user guide for the correct procedure for connecting a new wireless device. The code for the wireless rear view mirror should appear on the screen:



MHF-R220BT or **MHF-R330BT**.

Note: Repeat pairing process if the code does not appear on the cell phone screen.

3. Select the device and press the appropriate key on the cell phone indicating that you want to connect in the HandsFree mode. The green LED will flash. The cellular phone should prompt for a pin code.
4. Enter the wireless rear view mirror pin code: **1234**.
5. Pairing is now complete.
 - **Paired** appears on the mirror.
 - The green LED illuminates when pairing is successful.

Note: Once pairing has been completed between your cellular phone and the wireless rear view mirror, both profiles (Headset and HandsFree) will be automatically recognized whenever you turn on your vehicle.

Connection tips













- If your cell phone battery charge is low, the wireless connection may occasionally be lost. To maintain good connectivity ensure that your phone battery has an adequate charge.
- If pairing operations fail:
 - a. Delete the item from the paired list on your phone.
 - b. Reset both the phone and the handsfree device by powering them off and back on.
 - c. Re-pair the two devices.
- If a connection is not established after pairing, manually connect from the cell phone.
- To re-establish a connection after pairing:
 - a. Press  briefly.
 - b. Press and hold  for 5 seconds. The handsfree unit will re-connect automatically thereafter.



Using the wireless rear view mirror

Warning: For your safety, it is highly recommended that the vehicle is parked in a safe place when plugging into the earphone.

Note: Please note that it is possible that the wireless rear view mirror buttons might not operate according to the instructions in this user guide if your phone has an unusual wireless interface. In this case, please reset both the wireless rear view mirror and cell phone.

FAQ

If...	You should...	The mirror displays...
There is no wireless connection	Press  to reactivate the pairing link.	No Phone
You would like to make a handsfree call	Enter the phone number on the cellular phone, and press  on the rear view mirror. Note: If there is no sound on the speaker of the rear view mirror, press and hold  for three seconds. It will then switch from the cellular phone to HandsFree.	Calling
You would like to redial the last number dialed	Press  .	Calling
A call is in progress		Calling
The microphone has been muted		Secret
There is an incoming call and you want to answer	Press  .	Accept Call
There is an incoming call and you DO NOT want to answer	Press  .	Drop Call
You want to change ringtones or switch to a voice announcement	Press and hold  for five seconds.	ELOD 1 [or 2,3, or 0]
You are in a conversation and you want to end the call	Press  .	Drop Call
You are in a conversation and you want to adjust the volume	Press  and  buttons.	VOL up or Vol Dn
You are in a handsfree conversation and you want to switch to the phone	Press and hold  for three seconds	Call Trans
You are on the cell phone and want to switch back to handsfree	Press and hold  for three seconds	Call Trans

If...	You should...	The mirror displays...
<p>You are on the speakerphone and would like to switch to a private conversation</p>	<p>Plug an earphone (not included) into the earphone jack of the wireless rear view mirror</p>	
<p>You are in a call and another call comes in which you want to answer. Note: This function only works if the service provider offers call waiting.</p>	<p>Double click  to connect to the second call.</p>	Redial
<p>You would like to dial a call using voice dialing Note: Voice dialing is only possible if your cellular phone has voice dialing capability. Each cellular phone type has a distinct phone menu, so you may need to refer to your manufacture's instructions.</p>	<p>Press and hold  for two seconds. Announce name after a beep.</p>	Voice Dial

Troubleshooting

No indication from unit

There is a chance the power cable plug is not correctly seated in the 12 volt power supply. This may block proper connection. Remove the power cable, and then reinsert it to ensure it is fitted and connected properly.

Problem during pairing

Repeat pairing processes according to the pairing sections in this guide.

Still experiencing problem

Turn off the cellular phone and separate the battery from the cell phone for approximately five seconds

Note: In some instances, this action clears up any potential bugs built up in the cell phone software that can hinder proper pairing.

Repeat pairing process as outlined earlier in this guide.

Too loud

Adjust the volume to your preferred sound level by pressing the relevant volume switch.

Note: Each type of wireless technology enabled mobile phone has different function buttons. Though highly unusual, it may be possible that the functions operate differently with your specific phone model.

Callers are complaining about hearing noise

Check that the microphone is secured firmly in place and is not creating vibration or noise. Also check and adjust the microphone accordingly to ensure that it is facing towards to the user's face.

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This limited warranty does not cover and is void with respect to the following: (i) any Product which has been improperly installed, repaired, maintained or modified; (ii) any Product which has been subjected to misuse (including any Product used in conjunction with hardware electrically or mechanically incompatible or used with accessories not approved by KYOCERA), abuse, accident, physical damage, abnormal operation, improper handling, neglect, exposure to fire, water or excessive moisture or dampness or extreme changes in climate or temperature; (iii) any Product operated outside published maximum ratings; (iv) cosmetic damage; (v) any Product on which warranty stickers or Product serial numbers have been removed, altered, or rendered illegible; (vi) cost of installation, removal or reinstallation; (vii) signal reception problems (unless caused by defects in material and workmanship); (viii) damage the result of fire, flood, acts of God or other acts which are not the fault of KYOCERA and which the Product is not specified to tolerate, including damage caused by mishandling, shipping and blown fuses; (ix) consumables (such as fuses); or (x) any Product which has been opened, repaired, modified or altered by anyone other than KYOCERA or a KYOCERA authorized service center. **USE ONLY KYOCERA APPROVED ACCESSORIES WITH KYOCERA PHONES. USE OF ANY UNAUTHORIZED ACCESSORIES MAY BE DANGEROUS AND WILL INVALIDATE THE PHONE WARRANTY IF SAID ACCESSORIES CAUSE DAMAGE OR A DEFECT TO THE PHONE.**

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DO NOT RETURN YOUR PRODUCTS TO THE ABOVE ADDRESS. Please call or write for the location of the Kyocera Wireless Corp. authorized service center nearest you and for procedures for obtaining warranty service.