Installation Instructions

Touchless Kitchen Faucet

Record your model number:
Noter le numéro de modèle:
Anote su número de modelo: _____

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KOHLER®

1387795-2-**C**

Thank You for Choosing KOHLER

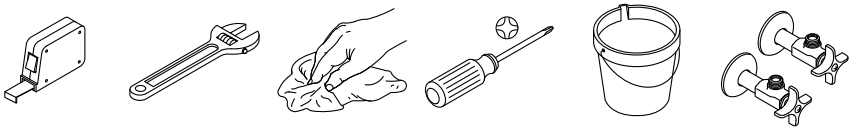
Need help? Contact our Customer Care Center.

- USA/Canada: 1-800-4KOHLER (1-800-456-4537) Mexico: 001-800-456-4537
- **Service parts:** kohler.com/serviceparts
- **Care and cleaning:** kohler.com/clean
- **Patents:** kohlercompany.com/patents

Warranty

This product is covered under the **KOHLER® Electronic Faucets, Valves, and Controls Five-Year Limited Warranty**, found at kohler.com/warranty. For a hardcopy of warranty terms, contact the Customer Care Center.

Tools and Materials



3/8"

Plus:
- Unswitched Electrical Outlet
- Fasteners

Important Information

WARNING: When using electrical products, basic precautions should always be followed, including the following:

DANGER: Risk of electric shock. Connect only to a circuit protected by a Ground-Fault Circuit-Interrupter (GFCI)*.

WARNING: Risk of electric shock. Grounding is required. A qualified electrician should make all electrical connections.

WARNING: Risk of electric shock. Disconnect the power before servicing.

WARNING: Risk of injury or property damage. Read all instructions thoroughly before beginning installation.

CAUTION: Risk of fresh water contamination. This faucet contains back-siphonage protection. To prevent water contamination, do not remove any internal components.

CAUTION: Risk of property damage. The faucet spout contains a magnet. Do not allow items susceptible to electromagnetic damage to come into close proximity to the spout.

CAUTION: Risk of product damage. This product contains sensitive electronic components. Do not store open containers of chemical or cleaning products near this product. Cleaning rags or sponges must be rinsed with fresh water before storage.

IMPORTANT! Do not use a switch-controlled electrical outlet (typically used for garbage disposals) to provide power to the faucet.

Follow all local plumbing, building, and electrical codes.

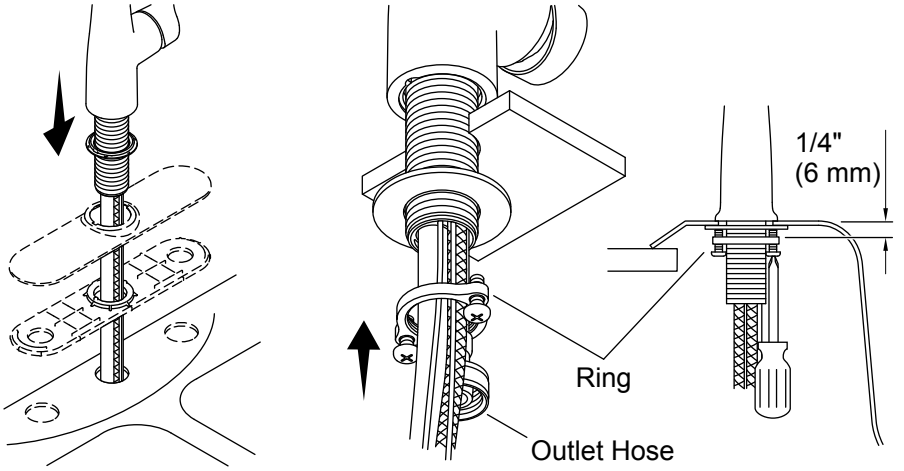
Provide a constant unswitched 120 VAC electrical outlet located below the sink within 5' (1.5 m) of the control box.

For uneven mounting surfaces (such as tile grout lines), apply a suitable sealant under the faucet. **Do not use petroleum-based sealant.**

Class 1 laser product: Complies with 21 CFR 1040.10 and 1040.11.

*Outside North America, this may be known as a Residual Current Device (RCD).

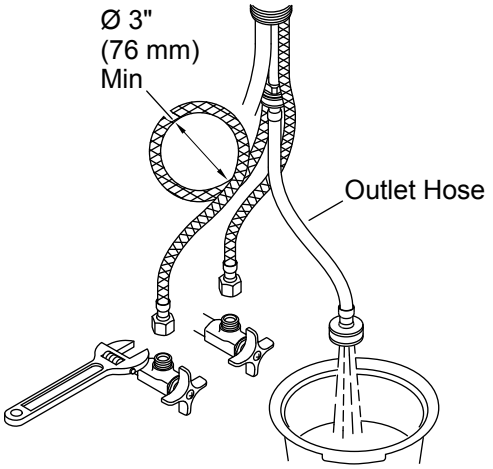
1. Install the Faucet

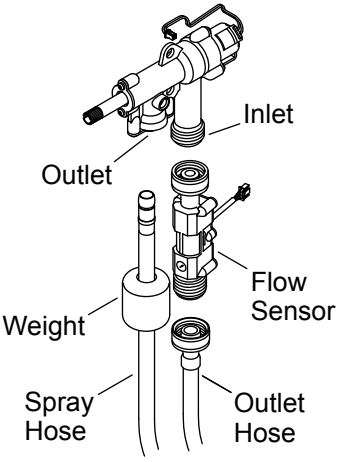


NOTE: Handle orientation is designed to be on the right.

- ☐ Turn OFF the water supplies.
- ☐ For three-hole sinks, install an escutcheon.
- ☐ Thread the screws into the ring 1/4" (6 mm) past the surface.
- ☐ Insert the faucet through the mounting surface with the handle on the right.
- ☐ Slide the washer and ring over the outlet hose, then feed the supply hoses and wires through the washer and ring.
- ☐ Thread the ring onto the shank until the washer contacts the underside of the sink.
- ☐ Adjust the ring to align the screws with the front and back of the faucet.
- ☐ Securely tighten the screws.

2. Connect the Supplies





CAUTION: Risk of restricted water flow and product damage. The supply hoses must not be taut, kinked, or twisted. If the supply hoses must be coiled, maintain an inside diameter of 3" (76 mm).

Connect the Water Supplies

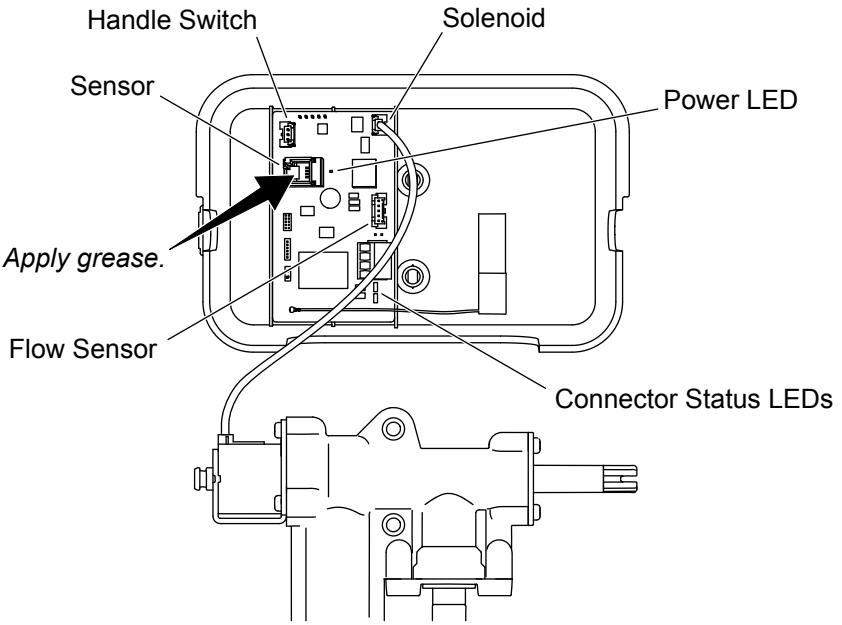
- ☐ Connect and tighten the supply hoses to the supply stops.
- ☐ Place a bucket under the outlet hose.
- ☐ Turn ON the water supplies.
- ☐ Flush hot and cold water for 1 minute to remove any debris.
- ☐ Connect the flow sensor and outlet hose to the solenoid inlet.

Connect the Spray Hose

NOTE: The weight must be installed onto the spray hose to act as a pull stop and to prevent kinking damage.

- ☐ Remove the protective cap.
- ☐ Slide the weight onto the spray hose.
- ☐ Connect the spray hose to the solenoid outlet.

3. Connect the Wires



- ☐ Apply grease (provided) to the sensor socket located on the circuit board inside the cover. This will provide additional corrosion protection.
- ☐ Connect the handle switch wire from the faucet to the handle switch connector on the circuit board.
- ☐ Connect the sensor wire from the faucet to the sensor connector on the circuit board.
- ☐ Connect the power cord to the power cord connector on the circuit board.
- ☐ Connect the solenoid wire to the solenoid connector on the circuit board.
- ☐ Plug the power supply into an unswitched 120 VAC outlet. The power LED on the circuit board will illuminate.
- ☐ Test activation of the sensor. Refer to the "Faucet Operation" section.

Connect Your Faucet

- ☐ Download the KOHLER Konnect app.
- ☐ Follow the app instructions to connect to your faucet.

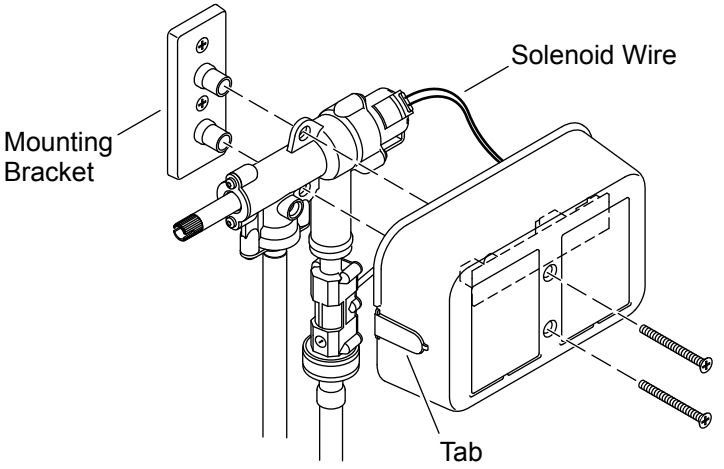
NOTE: Setup must be completed within 10 minutes.

- ☐ When the Connector Status LED illuminates red, the system is ready for mobile app setup.
- ☐ If the Connector Status LED is flashing red, unplug the power cord to reset the system.
- ☐ When the Connector Status LED is flashing red and green, the system is setting up.
- ☐ When the Connector Status LED illuminates green, the system is ready for use.
- ☐ If the Connector Status LED is flashing green, the router connection was lost. Verify that the router is powered ON and within range.
- ☐ If the Connector Status LED does not illuminate green, an electronics reset is needed.

Electronics Reset

- ☐ Open the handle to turn ON the faucet.
- ☐ Wave a hand over the sensor to turn OFF the faucet.
- ☐ Close the handle.
- ☐ Repeat the above steps 10 times in 1 minute to clear the profile information. If the above sequence is broken, the count will reset to zero.

4. Install the Solenoid



CAUTION: Risk of restricted waterflow. The outlet hose must not be taut or kinked when installed. Locate the solenoid valve within 7" (178 mm) to 8" (203 mm) from the faucet centerline.

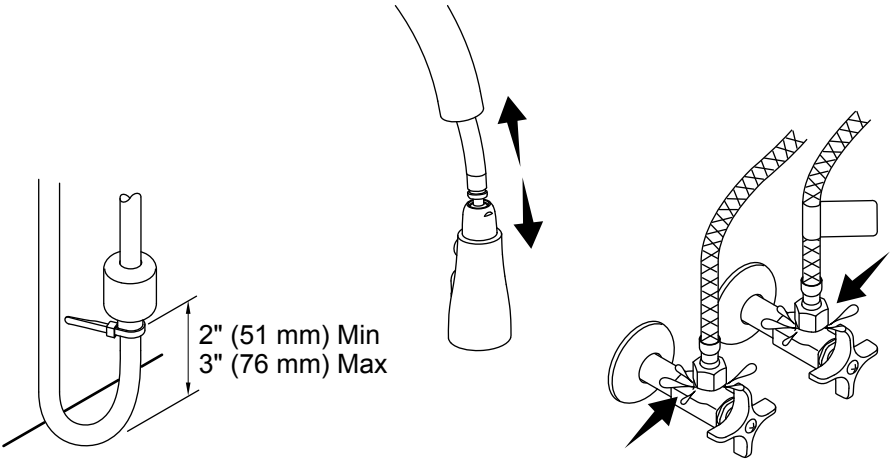
NOTE: Allow adequate clearance for servicing.

NOTE: The mounting bracket should be secured with two suitable fasteners (not supplied) based on the type and thickness of the cabinet or wall material.

NOTE: The solenoid may be positioned to the right or left. Remove the appropriate tab on the cover.

- ☐ Position the mounting bracket within 7" (178 mm) to 8" (203 mm) from the faucet centerline.
- ☐ Fasten the mounting bracket vertically to the cabinet or wall.
- ☐ Position the solenoid and cover on the mounting bracket.
- ☐ Secure the solenoid and cover to the mounting bracket using the two screws provided.

5. Complete the Installation



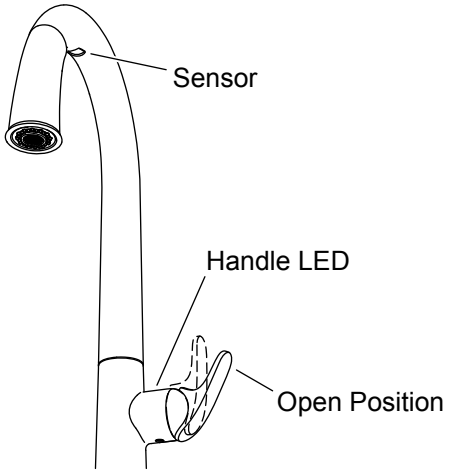
Position the Weight

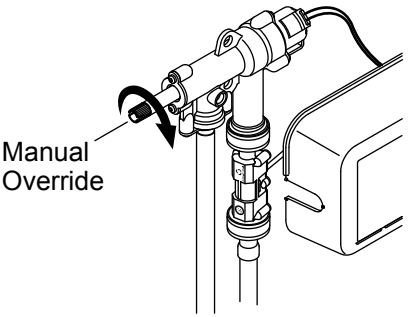
- ☐ Position the weight between 2" (51 mm) and 3" (76 mm) from the cabinet floor.
- ☐ Secure the cable tie around the spray hose just below the weight.
- ☐ Extend and retract the spray hose to check for smooth operation.

Check for Leaks

- ☐ Turn ON the water supplies.
- ☐ Check all connections for leaks.
- ☐ Test the faucet for proper operation. Refer to the “Faucet Operation” section.

Faucet Operation





NOTE: Some objects that are clear and certain colors are not detectable by the sensor. Always use your hand for sensor testing.

- ☐ Rotate the handle outward to the open position to start water flow. The handle LED will illuminate to indicate that the sensor is functioning.
- ☐ Adjust the handle to the desired water temperature.
- ☐ Wave your hand under the sensor to turn OFF the water.
- ☐ Wave your hand under the sensor again to restart the water flow.
- ☐ If needed, refer to the "Handle LED Adjustment" section for more information.

NOTE: For extended periods of nonuse, return the handle to the closed (upright) position. The handle LED will turn OFF, indicating that water flow is not available.

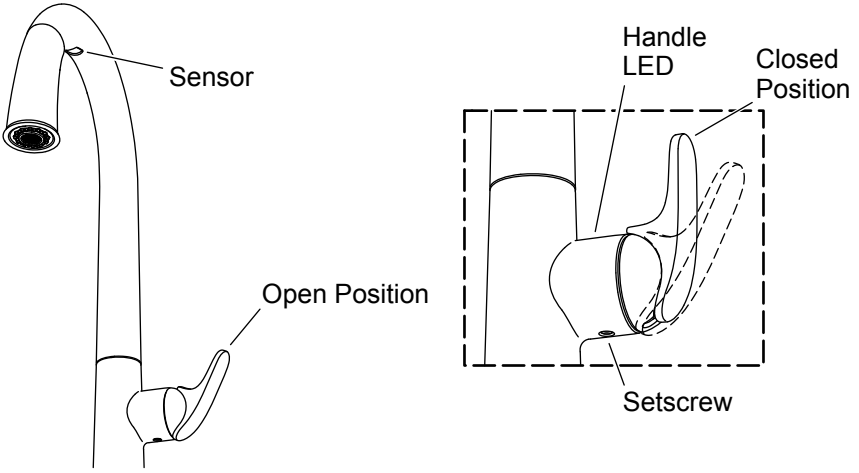
Features

- ☐ **Handle LED:** Illuminates when the sensor is active.
- ☐ **Power LED:** Indicates that there is power to the circuit board.
- ☐ **Automatic shut-off:** After 4 minutes of inactivity, the water will automatically shut OFF.
- ☐ **Sensor override:** In the event of power loss, bypass the sensor function by turning in the override feature on the solenoid valve. The faucet can then be operated manually.

LED Color Indicators

- ☐ **Red LED:** System is ready for setup.
- ☐ **Flashing Red LED:** Setup was not completed in time. System will need to be reset.
- ☐ **Green LED:** The system is connected.
- ☐ **Flashing Green LED:** The system is not connected.

Handle LED Adjustment

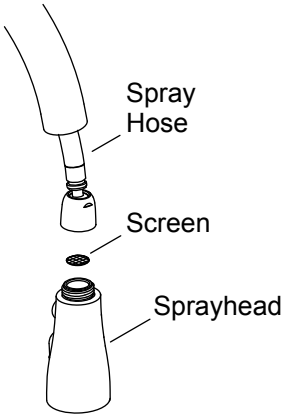


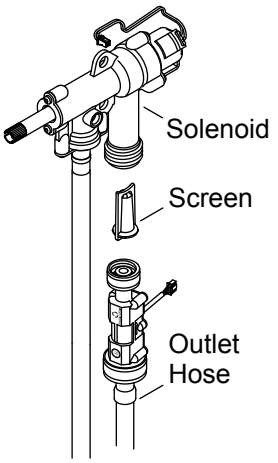
IMPORTANT! Do not apply upward pressure to the valve setscrew while making adjustments.

NOTE: The LED should turn ON as the handle is rotated open, and OFF when the handle is in the upright (closed) position. Use a 5/64" hex wrench to adjust the valve setscrew as needed.

- ☐ **LED is ON when the handle is closed:** Tighten the valve setscrew until the LED turns OFF. Then tighten the setscrew an additional 1/4 turn.
- ☐ **Handle does not return to the upright position:** Loosen the valve setscrew until the handle rotates to the full upright (closed) position and the LED turns ON. Then tighten the setscrew until the LED turns OFF, plus an additional 1/4 turn.
- ☐ **Water does not fully shut off:** Loosen the valve setscrew until the handle rotates to the full upright (closed) position and the LED turns ON. Tighten the setscrew until the LED turns OFF, plus an additional 1/4 turn.

Cleaning the Screens





Sprayhead Screen

- ☐ Turn the handle to the closed position.
- ☐ Disconnect the nut at the end of the spray hose.
- ☐ Remove and clean the screen inside the spray hose.
- ☐ Reinsert the screen and reconnect the sprayhead.

Solenoid Inlet Screen

- ☐ Turn the handle to the closed position.
- ☐ Disconnect the outlet hose from the solenoid.
- ☐ Remove and clean the inlet screen inside the solenoid.
- ☐ Reinstall the inlet screen and reconnect the outlet hose.

Troubleshooting

CAUTION: Risk of property damage. This product contains sensitive electronic components. Use care not to damage pins and connectors during troubleshooting.

CAUTION: Risk of property damage. Do not insert anything other than the sensor wire into the sensor wire connector (phone jack) on the circuit board.

This troubleshooting guide is for general aid only. For service and installation issues or concerns, call 1-800-4KOHLER.

Faucet Troubleshooting

Symptoms	Probable Cause	Recommended Action
1. No water flow.	**A.** The supply stops are closed. **B.** Handle is in the closed position. **C.** The hot and/or cold supply hose is kinked. **D.** The outlet hose is kinked. **E.** Handle LED is not lit. **F.** Power LED on circuit board is not lit. **G.** One or more screens are clogged.	**A.** Confirm that the supply stops are open. **B.** Rotate the handle to the open position. Refer to the "Faucet Operation" section. **C.** Confirm that the supply hoses are not kinked. If coiled, maintain an inside diameter of 3" (76 mm). **D.** Confirm that the solenoid valve is within 7" (178 mm) to 8" (203 mm) from the faucet centerline. **E.** Refer to the "Handle Switch Troubleshooting Table." **F.** Refer to the "Sensor Troubleshooting Table." **G.** Refer to the "Cleaning the Screens" section.

Symptoms	Probable Cause	Recommended Action
2. Low water flow.	**A.** The supply stops are partially closed. **B.** Handle is partially closed. **C.** The hot and/or cold supply hose is kinked or twisted. **D.** The outlet hose is kinked. **E.** One or more screens are clogged. **F.** Cracked diaphragm.	**A.** Confirm that the supply stops are fully open. **B.** Rotate the handle to the full open position. **C.** Confirm that the supply hoses are not kinked or twisted. If coiled, maintain an inside diameter of 3" (76 mm). **D.** Confirm that the solenoid valve is within 7" (178 mm) to 8" (203 mm) from the faucet centerline. **E.** Refer to the “Cleaning the Screens” section. **F.** Replace the solenoid valve assembly.
3. Poor spray pattern.	**A.** The spray nozzles are clogged.	**A.** Rub your finger over the nozzles with water running to dislodge debris.
4. Power LED is not lit.	**A.** No power to the circuit board. **B.** Power cord is plugged into a switched outlet.	**A.** Check the power supply connections to the circuit board. **B.** Plug the power cord into an unswitched 120 VAC outlet (test the outlet with a radio or other device). Confirm that the power LED illuminates.
5. Water drips or trickles when faucet is not in use.	**A.** Manual override is partially engaged.	**A.** Turn the manual override fully clockwise; then turn counterclockwise until the water drip stops.

Solenoid Troubleshooting

Symptoms	Probable Cause	Recommended Action
1. Water leaks from the solenoid valve.	**A.** Hose connections are not secure. **B.** Internal leak.	**A. CAUTION: Risk of personal injury or product damage.** Turn OFF the main power and water supply. Check all connections. Make adjustments as needed. **B.** Replace the solenoid valve assembly.
2. No audible "click" when solenoid is activated.	**A.** Loose solenoid wire connection. **B.** Solenoid valve is not functioning.	**A.** Check solenoid wire connection to the circuit board. **B.** Replace the solenoid valve assembly.

Handle Switch Troubleshooting

Symptoms	Probable Cause	Recommended Action
1. Handle LED is lit when the handle is closed.	**A.** Valve setscrew needs adjustment.	**A.** Refer to the "Handle LED Adjustment" section.
2. Handle does not return to the upright position.	**A.** Valve setscrew needs adjustment.	**A.** Refer to the "Handle LED Adjustment" section.
3. Water does not fully shut off.	**A.** Valve setscrew needs adjustment.	**A.** Refer to the "Handle LED Adjustment" section.
4. Handle LED does not illuminate when the handle is rotated open.	**A.** Loose handle switch wire connection. **B.** Circuit board is not functioning correctly.	**A.** Check handle switch wire connection to the circuit board. **B.** Replace the cover assembly.

Sensor Troubleshooting

Symptoms	Probable Cause	Recommended Action
1. Intermittent sensor operation.	**A.** Debris on the sensor lens. **B.** Sensor is detecting steam.	**A.** Use mild soap and water to gently remove debris from the sensor lens. **B.** Rotate the spout away from the steam.
2. Handle LED is lit, but power LED is not.	**A.** Loose sensor wire connection. **B.** Debris on the sensor wire connector. **C.** Circuit board is not functioning.	**A.** Check sensor wire connection to the circuit board. **B.** At the circuit board, gently disconnect, clean, and reconnect the sensor wire connector. **C.** Replace the cover assembly.

Compliance

Contains FCC ID: Z64-CC3235MOD

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.

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

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 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.

RF Exposure Warning

This transmitter with its antenna complies with FCC's RF exposure limits for general population/uncontrolled exposure. This device must not be co-located or operated in conjunction with any other antenna or transmitter. This device should be operated with a minimum distance of 7-7/8" (200 mm) between the radiator and your body.

Contains IC: 451I-CC3235MOD

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). 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.

This transmitter with its antenna complies with Industry Canada RF Exposure Limits for General Population/Uncontrolled Exposure.

This Class B digital apparatus complies with Canadian ICES-003.