

# **Panasonic<sup>®</sup>**

## **Installation Guide**

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### **Home Network System**

## **Garage Door Sensor**

Model No.                    **KX-HNS107**



**Thank you for purchasing a Panasonic product.**

Please read these operating instructions before using the unit and save them for future reference.

## Accessory information

### Supplied accessories

| No. | Accessory item/Part number  | Quantity |
|-----|-----------------------------|----------|
| ①   | Battery*1                   | 1        |
| ②   | Mounting screws             | 2        |
| ③   | Mounting double-sided tapes | 2        |

\*1 When replacing the battery, see “Power source” of “Specifications”, page 7.  
for battery information



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## About this system

This system is an auxiliary system; it is not designed to provide complete protection from property loss. Panasonic will not be held responsible in the event that property loss occurs while this system is in operation.

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## For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

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### WARNING

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#### Power connection

- Use only the power source marked on the product.
- Do not connect non-specified devices.

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#### Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Keep small parts (screws, etc.) out of the reach of children. There is a risk of swallowing. In the event they are swallowed, seek medical advice immediately.

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#### Operating safeguards

- Do not disassemble the product.

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## Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. DECT features

operate between 1.92 GHz and 1.93 GHz with a peak transmission power of 115 mW.

- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

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## CR Lithium battery

- Do not recharge, disassemble, remodel, heat or throw it into fire.
- Do not touch the terminals  $\oplus$  and  $\ominus$  with metal objects.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to local regulations.
- If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water.
- If any electrolyte should come into contact with your eyes, never rub your eyes. Rinse your eyes thoroughly with water, and then consult a doctor.
- Use only the battery noted on page 3.
- Insert the battery correctly.
- Do not leave the battery in an automobile exposed to direct sunlight for a long period of time with the doors and windows closed.
- Remove the battery if you do not use the product for a long period of time. Keep it in a cool, dark area.
- Do not replace a battery with wet hands.

- Keep out of the reach of small children. There is a risk of swallowing. If the battery is swallowed, seek medical attention immediately.
- Remove the battery if it becomes unusable. There is a risk of leakage, overheating, and rupture. Do not attempt to use a battery if it is leaking.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.

## Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Use only the batteries indicated in this document. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

**SAVE THESE INSTRUCTIONS**

## For best performance

### Hub location/avoiding noise

The hub and other compatible Panasonic devices use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your hub:
  - at a convenient, high, and central location with no obstructions between the product and hub in an indoor environment.
  - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the hub on a bay window or near a window.)
- If the reception for a hub location is not satisfactory, move the hub to another location for better reception.

### Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than -20 °C or greater than 50 °C. Damp basements should also be avoided.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

## Other information

**CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

### Routine care

- Wipe the outer surface of the product with a soft moist cloth.
- Do not use benzene, thinner, or any abrasive powder.

### Information on Disposal in other Countries outside the European Union



These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

## Information about sensor features

The garage door sensor utilizes a gyroscopic sensor to detect its orientation relative to the ground. When the sensor is not perpendicular to the ground, i.e., when the garage door is open, the sensor can trigger a variety of actions, such as sounding an alert, turning on a light, and sending a notification to your mobile device.

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## Inserting the battery

- USE ONLY a CR2 Lithium battery.
- Confirm the polarities (+, -).

- 1 Remove the cover.
- 2 Insert the battery.
- 3 Attach the cover.

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## Registering the Garage Door Sensor

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### Using registration buttons

- 1 **Hub:**  
Press and hold **[•]C OTHER DEVICE]** until the LED indicator blinks slowly in green.
- 2 **Garage door sensor**  
Remove the sensor unit cover and press and hold **[•]C]** until the LED indicator blinks slowly in green.
  - When registration is complete, the hub sounds one long beep.

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### Mounting the sensor

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#### Installation precautions

- Observe the following to avoid the risk of falling, which could cause injury or damage to property.
  - Mount the sensor on a stable surface where the sensor will be adequately supported.
  - Do not mount the sensor on a surface made of soft material.
  - Do not mount the sensor on gypsum board, ALC (autoclaved lightweight cellular concrete), concrete block, or plywood less than 25.4 mm (1 inch) thick.
- We recommend mounting the sensor near the left or right edge of the garage door, so that the sensor is not directly above the car when the garage door is open.

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### Securing with double-sided tape

#### Important:

- Make sure the surfaces of the mounting adaptor and the installation area of the garage door are clean and dry before applying double-sided tape. Take particular care to remove any oil or grime that has accumulated on the garage door.

- 1 Make sure that the front cover and the mounting adaptor are firmly attached to the sensor.
- 2 Affix the double-sided tape to mounting adaptor.
  - Make sure the tape covers the screw holes on the mounting adaptor.
- 3 Attach the sensor to the inside of the garage door.
  - Press firmly to ensure solid adhesion to the installation surface.

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### Removing when secured with double-sided tape

- 1 Tie a piece of thread to two sticks, screwdrivers, etc.
- 2 Pull the thread tight and use it to cut the double-sided tape, and then remove any excess tape.

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### Securing with screws

#### Important:

- Make sure the screws are shorter than the thickness of the installation surface.

- 1 Remove the mounting adaptor by pressing tab (①) and lifting the sensor away from the mounting adaptor (②).
- 2 Use the screws to attach the mounting adaptor to the installation surface.
  - Make sure the "UP" mark on the mounting adaptor face upwards when the garage door is closed.
- 3 Attach the sensor to the mounting adaptor.

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## Specifications

- **Frequency range**

DECT: 1.92 GHz – 1.93 GHz

- **Power source**

Lithium battery CR2 (1 × 3.0 V, 850 mAh)

- **Operating conditions**

-20 °C – 50 °C

## FCC and other information

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.

Privacy of communications may not be ensured when using this device.

### CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

### 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.

Some devices operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, this device should not be placed near or on top of a TV or VCR. If interference is experienced, move this device further away from the TV or VCR. This will often reduce or eliminate interference.

### FCC RF Exposure Warning:

- This product complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- To comply with FCC RF exposure requirements, the device must be installed and operated 20 cm (8 inches) or more between the product and all person's body.
- This product may not be collocated or operated in conjunction with any other antenna or transmitter.

### Notice:

- FCC ID can be found inside the sensor unit.

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