

Panasonic®

Installation Guide

Home Network System Motion Sensor

Model No. **KX-HNS102**



Thank you for purchasing a Panasonic product.

This document explains how to install the motion sensor properly.
For details about how to use the system, refer to the User's Guide
(page 14).

Please read this document before using the unit and save it for future
reference.

For assistance, visit our Web site: www.panasonic.com/support
for customers in the U.S.A. or Puerto Rico.

Please register your product: www.panasonic.com/prodreg

Printed in China



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Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity
①	Batteries*1	2
②	Wall mounting adaptor*2/PNKK1111Z1	1
③	Wall mounting screws (25 mm (1 inch))/XTB4+25AVW	2

*1 When replacing batteries, see "Power source" of "Specifications", page 15 for battery information.

*2 The motion sensor can be wall mounted with or without the wall mounting adaptor (page 12).



Other information

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

Trademarks

- iPhone and iPad are registered trademarks of Apple Inc.
- Android™ is a trademark of Google Inc.

Important Information

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.

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.

WARNING

Power connection

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

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.

Operating safeguards

- Do not disassemble the product.

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.

CAUTION

Battery

- The batteries should be used correctly, otherwise the product may be damaged due to battery leakage.
- Do not charge, short-circuit, disassemble, or heat the batteries.
- Do not dispose of batteries in a fire.
- Remove all the batteries when replacing.
- Do not mix old, new or different types of batteries.
- It is recommended that batteries are replaced annually.
- It is recommended that batteries are replaced after a power outage.
- Keep out of the reach of small children. There is a risk of

Important Information

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.
- Do not intentionally pour water on the battery or allow it to get wet. There is a risk of fire and smoke. If the battery becomes wet, remove it immediately and contact an authorized service center.

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

Important Information

temperature is less than 0 °C (32 °F) or greater than 40 °C (104 °F).

Damp basements should also be avoided.

- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Other information

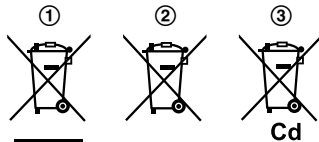
CAUTION: Risk of explosion if battery is replaced by an incorrect type.

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 benzine, thinner, or any abrasive powder.

Information on Disposal in other Countries outside the European Union



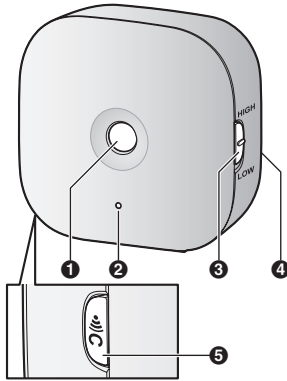
These symbols (①, ②, ③) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Notice

- This product is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Cet appareil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este producto está diseñado para usarse en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- 本產品專為美國使用而設。若在其他國家銷售或使用，可能會違反當地法例。
- この製品は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

Setup

Part names and functions



- 1 Infrared sensor
- 2 LED indicator
- 3 [HIGH]/[LOW]
Used to change the sensor sensitivity (page 14).
- 4 Rear cover
- 5 [•]C
Used to confirm the status of the sensor or register the sensor to the hub.

About the LED indicator

You can press [•]C and check the LED indicator to confirm the sensor's status.

Indicator	Status
Green, lit	No motion detected

Indicator	Status
Red, lit	Motion was detected
Red, blinking	Sensor is out of range of the hub
Green, blinking	Registration mode (You pressed and held [•]C)
Off	No battery power

Note:

- The LED indicator does not indicate sensor status if the sensor has not been registered (page 8).

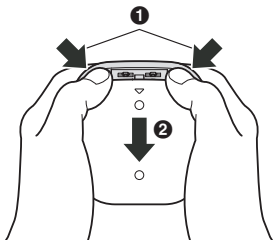
Setup overview

- 1 **Initial setup**
Make sure you can access the system using your mobile device. For details, refer to the System Setup Guide included with your hub.
- 2 **Insert the batteries**
The motion sensor is battery powered.
- 3 **Registration**
Required only if the motion sensor was purchased separately (i.e., not as part of a bundle).
- 4 **Confirm the installation area**
Read the information in this document to confirm that the desired installation area is suitable to proper operation.
- 5 **Installation**
Install the motion sensor in the desired location.

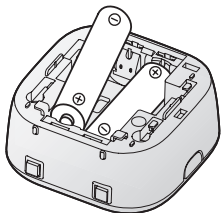
Setup

Inserting the batteries

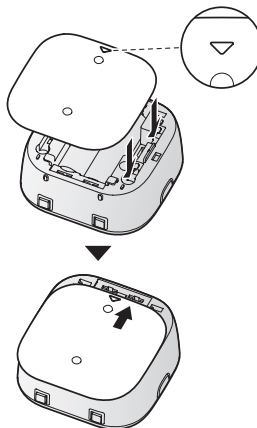
- USE ONLY Alkaline batteries AA (LR6) size.
 - Do NOT use Manganese/Ni-Cd/ Ni-MH batteries.
 - Confirm the polarities (+, -).
- 1 Remove the rear cover by pressing the upper sides of the cover (1) and sliding it down (2).



- 2 Insert the batteries.



- 3 Install the rear cover.
- Place it with the “▽” mark facing upwards and slide it.



Registering the motion sensor

This procedure is not required for devices that were included as part of a bundle.

Before you can use the motion sensor, it must be registered to the hub. If you purchased devices separately (i.e., not as part of a bundle), you must register each device to the hub.

You can register each device by using the registration buttons or the [Home Network] app.

Setup

Using registration buttons

- 1 Hub:**
Press and hold **[•]C OTHER DEVICE** until the LED indicator blinks in green.
- Motion sensor:**
Press and hold **[•]C** until the LED indicator blinks in green (page 7).
- When registration is complete, the hub sounds one long beep.

Note:

- To cancel the registration, press **[•]C** on the hub and on the motion sensor.
- If registration fails, the hub sounds several short beeps.

Using the app

When you register the motion sensor by using the **[Home Network]** app, you can assign a name to your devices and group them by location. For more information, refer to the User's Guide (page 14).

Information about sensor features

The motion sensor utilizes an infrared sensor (i.e., heat sensor). Please read the following information before deciding where to install the motion sensor.

Note:

- The motion sensor's sensor features are not designed to be used in situations that require high reliability. We do not recommend use of the

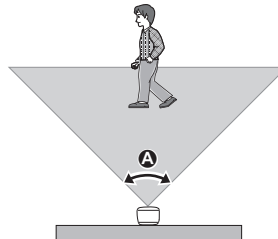
motion sensor's sensor features in these situations.

- Panasonic takes no responsibility for any injury or damage caused by the use of the motion sensor.

Using heat to detect motion

The motion sensor's infrared sensor can detect motion by recognizing temperature differences that occur within the range of the sensor. It does this by detecting the infrared rays that are emitted naturally by people, animals, etc., which correlate to the object's temperature. The detection range is indicated in the illustration by the gray area in front of the motion sensor.

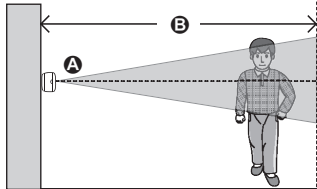
Detection range when looking from above



- A** Horizontal detection range: approx. 90°

Setup

Detection range when looking from the side



- A** Vertical detection range: approx. 20°
- B** Distance of detectable motion: approx. 5 m (16.4 feet)

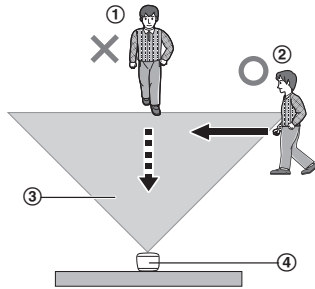
Note:

- Detection becomes difficult when there is little difference between the temperatures of objects and the surrounding environment, such as during summer. Conversely, detection becomes easier when there is a large difference between the temperatures of objects and the surrounding environment, such as during winter or at night.
- Detection does not occur when there are obstacles in front of the infrared sensor. Remove the obstacles or change the installation location.

Direction of motion

It is easier to detect objects that move sideways in front of the motion sensor, and more difficult to detect objects that

move directly toward the front of the motion sensor.



- ① It is difficult to detect movement directly towards the front of the motion sensor.
- ② It is easy to detect movement sideways in front of the motion sensor.
- ③ Detection range
- ④ Motion sensor

Confirming the usage area

Wireless communication range

The wireless communication range of each device in the system from the hub is approximately 50 m (160 feet) indoors and approximately 300 m (1,000 feet) outdoors. Wireless communication may be unreliable when the following obstacles are located between the hub and other devices.

- Metal doors or screens
- Walls containing aluminum-sheet insulation
- Walls made of concrete or corrugated iron
- Double-pane glass windows
- Multiple walls
- When using each device on separate floors or in different buildings

Note:

- You can check the motion sensor's communication status by pressing **[•)C]**. If the LED indicator is lit in green or red, the sensor is communicating properly with the hub. If the LED indicator blinks in red, it is out of range of the hub.

Usage area cautions

Using the motion sensor in the following areas may cause deformation, malfunction, or operational failure.

- In direct sunlight

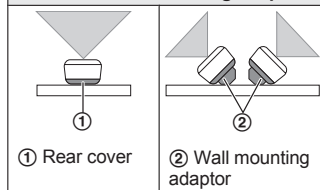
- Areas exposed to grease or steam, such as kitchens
- Near fire or heating devices
- Near magnetic fields (such as near microwaves and magnets)
- Areas subject to extreme temperature changes, such as next to air conditioners
- Areas with reflective objects, such as glass, that can interfere with detection of temperature variation
- Areas where the temperature is affected by strong illuminating objects (such as fluorescent lights)
- Near devices that emit strong radio waves, such as mobile phones

Setup

Wall mounting

There are two methods for wall mounting the motion sensor. To mount the sensor flat against the wall, use the rear cover. To mount the sensor so that it faces 45° to the left or right, use the wall mounting adaptor.

Mounting examples*1 of the rear cover and wall mounting adaptor



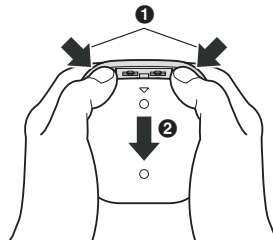
*1 View of looking from above.

Note:

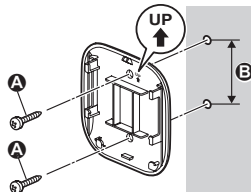
- Mount the motion sensor on the stable location where the motion sensor can be adequately supported when mounting.
- Do not mount motion sensor on a soft material. It may fall down, break or cause injury.
- Do not mount the motion sensor on the following places: gypsum board, ALC (autoclaved lightweight cellular concrete), concrete block, plywood less than 25.4 mm (1 inch) thick, etc.

Using the rear cover

- 1 Remove the rear cover by pressing the upper sides of the cover (①) and sliding it down (②).

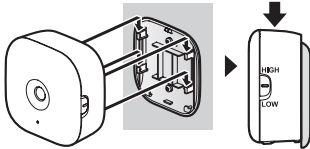


- 2 Attach the rear cover to the wall by using screws (A).
 - Place the rear cover with "UP" mark facing upwards.
 - B 37 mm (1 15/32 inches)



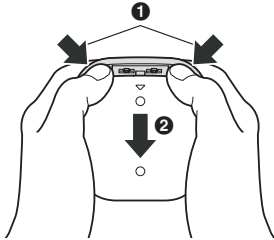
Setup

- 3** Attach the motion sensor to the rear cover.
- Insert the grooves on the motion sensor to the 4 tabs on the rear cover, and then push down the motion sensor.

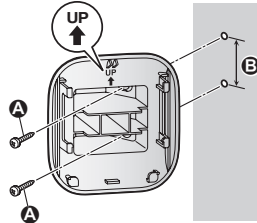


Using the wall mounting adaptor

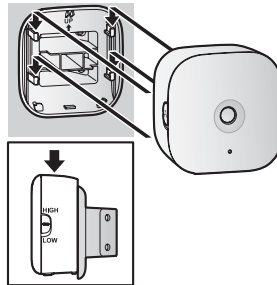
- 1** Remove the rear cover by pressing the upper sides of the cover (1) and then sliding it down (2).



- 2** Attach the wall mounting adaptor to the wall by using screws (A).
- Place the wall mounting adaptor with "UP" mark facing upwards.
 - **B** 21 mm (27/32 inches)



- 3** Attach the motion sensor to the wall mounting adaptor.
- Insert the grooves on the motion sensor to the 4 tabs on the wall mounting adaptor, and then push down the motion sensor.



Appendix

Testing the motion sensor

You can observe the motion sensor's LED indicator and test the performance of the motion sensor.

- 1 Press **[•)C]**.
- 2 Move to an area near the motion sensor.
- 3 While moving near the motion sensor, observe the LED indicator.
 - When motion is detected, the LED indicator lights in red.
- 4 Note the areas where movement is detected.
- 5 Press **[•)C]** again.

Adjusting the sensor sensitivity

You can use the **[HIGH]/[LOW]** switch (page 7) to adjust the sensor's sensitivity. If the sensor often makes incorrect detections, such as in areas with frequent and substantial temperature fluctuations, set the switch to the **[LOW]** position.

Note:

- When the switch is in the **[LOW]** position, the sensor detection range is reduced by about half (compared to when the switch is in the **[HIGH]** position).



Features available when using the [Home Network] app

Some of the motion sensor's features that are available when using the **[Home Network]** app are listed below. For more information, refer to the User's Guide (page 14).

- **Security system**
You can use the app to arm and disarm the security system, confirm the current status of the sensor, and view a log of previous security events.
- **Home control**
You can configure the motion sensor to trigger other system events, such as camera recording, turning on an electric device (such as a lamp), etc. (Appropriate device required.)
- **Telephone alert**
You can configure the system to call a preprogrammed phone number when the motion sensor is triggered.

Accessing the User's Guide

The User's Guide is a collection of online documentation that helps you get the most out of the **[Home Network]** app.

- 1 **iPhone®/iPad®**
Tap  in the app's home screen.
Android™ devices
Tap  or press your mobile device's menu button in the app's home screen.
- 2 Tap **[User's Guide]**.

Note:

- You can also access the User's Guide at the web page listed below.



www.panasonic.net/pcc/support/tel/homenetwork/manual/

Specifications

- **Frequency range**
DECT: 1.92 GHz – 1.93 GHz
- **RF transmission power**
DECT: 115 mW (max.)
- **Power source**
AA (LR6) Alkaline battery (2 × 1.5 V)
- **Operating conditions**
0 °C – 40 °C (32 °F – 104 °F)
- **Sensor detection method**
Pyroelectric infrared sensor (heat sensor)
- **Heat sensor detection range**
Horizontal: approx. ±45°
Vertical: approx. ±10°
Distance: approx. 5 m (16.4 feet)
(when the surrounding temperature is approx. 25 °C (77 °F))
- **Battery life**
Approx. 1 year (when motion is detected 50 times a day and the surrounding temperature is approx. 25 °C (77 °F))
- **Dimensions**
 - With the rear cover attached:
Approx. 72 mm × 73 mm × 39 mm (2 27/32 inches × 2 7/8 inches × 1 17/32 inches)
 - With the wall mounting adaptor attached:

Approx. 72 mm × 73 mm × 61 mm (2 27/32 inches × 2 7/8 inches × 2 13/32 inches)

- **Mass (weight)**

- With the rear cover attached:
Approx. 70 g (0.15 lb), excluding the batteries
- With the wall mounting adaptor attached:
Approx. 77 g (0.17 lb), excluding the batteries

Appendix

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 phone.

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

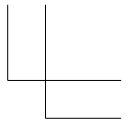
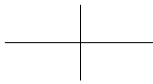
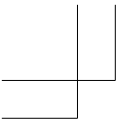
interference by one or more of the following measures:

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

FCC RF Exposure Warning:

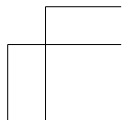
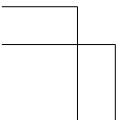
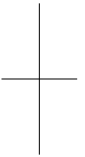
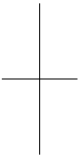
- This product complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- To comply with FCC RF exposure requirements, the device must be installed and operated 20 cm (8 inches) or more between the product and all person's body.
- This product may not be collocated or operated in conjunction with any other antenna or transmitter.
- For body-worn operation, the handset must be used only with a non-metallic accessory. Use of other accessories may not ensure compliance with FCC RF exposure requirements.



Appendix

Notice:

- FCC ID can be found inside the battery compartment.



Appendix

Customer services

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

www.panasonic.com/support

or, contact us via the web at:

www.panasonic.com/contactinfo

You may also contact us directly at: 1-800-211-PANA (1-800-211-7262),
Monday - Friday 9 am to 9 pm; Saturday - Sunday 10 am to 7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Owner's Manual online for all Panasonic Products by visiting our Web Site at:

www.pstc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at: 1-800-237-9080 (Fax Only)
(Monday - Friday 9 am to 9 pm, EST.)

Panasonic National Parts Center

20421 84th Avenue S., Kent, WA 98032

(We accept Visa, MasterCard, Discover Card, American Express.)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Warranty (For United States and Puerto Rico)

Panasonic Home Network System Products Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Corporation of North America (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

	Parts	Labor
Home Network System Products	One (1) Year	One (1) Year
microSD card (Included model only)	90 days	N/A

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" Limited Warranty period, there will be no charge for parts. You must mail-in your product prepaid during the Limited Warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This Limited Warranty only applies to products purchased and serviced in the United States or Puerto Rico. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new.

Mail-In Service--Online

Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at www.panasonic.com/repair

When shipping the unit carefully pack in a padded shipping carton, include all accessories, and send it prepaid. Include a letter detailing the complaint, a return address and provide a day time phone number where you can be reached. P.O. Boxes are not acceptable. Keep the tracking number for your records. A copy of valid registered receipt is required under the 1 year parts and labor Limited Warranty.

For Limited Warranty service for headsets if a headset is included with this product please follow instructions above.

IF REPAIR IS NEEDED DURING THE LIMITED WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Appendix

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

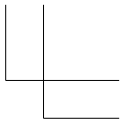
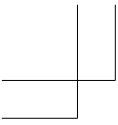
THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY. (As examples, this excludes damages for lost time, lost calls or messages, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

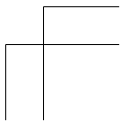
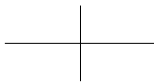
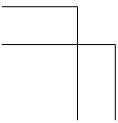
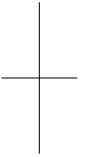
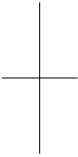
PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom.
- Send the unit to Panasonic Exchange Center, prepaid and adequately insured.
- Do not send your unit to Panasonic Corporation of North America listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.



Notes



IMPORTANT!

If your product is not working properly. . .

- ① **Use alkaline batteries.**
(Rechargeable Ni-MH batteries CANNOT be used.)
- ② Use the **Home Network app** to access the **User's Guide** and refer to the **Troubleshooting** section.



Visit our Web site: www.panasonic.com/support
● FAQ and troubleshooting hints are available.

For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found inside the battery compartment)	
Name and address of dealer	

Attach your purchase receipt here.

Panasonic Corporation of North America
Two Riverfront Plaza, Newark, NJ 07102-5490

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Panasonic®

Guía de instalación

Sistema de red doméstico
Sensor de movimiento
Modelo n° **KX-HNS102**



Gracias por adquirir un producto Panasonic.

Este documento explica cómo instalar el sensor de movimiento de forma correcta.

Para obtener detalles sobre cómo usar el sistema, consulte la Guía del usuario (página 10).

Lea este documento antes de usar la unidad, y guárdelo para consultarlo en el futuro.

Para obtener ayuda, visite nuestro sitio web: www.panasonic.com/support para clientes en los EE. UU. o Puerto Rico (solo en inglés).

Por favor, registre su producto: www.panasonic.com/prodreg



PNQX6700ZA

PNQX6700ZA CC0714WK0 (E)





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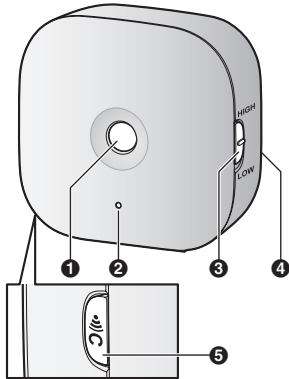
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Configuración

Nombres de los componentes y funciones



- 1** Sensor infrarrojo
- 2** Led indicador
- 3** [HIGH]/[LOW]
Se usa para cambiar la sensibilidad del sensor (página 10).
- 4** Tapa posterior
- 5** [•)C]
Se usa para confirmar el estado del sensor o para registrar el sensor en el hub.

Acerca del Led indicador

Puede oprimir [•)C] y verificar el Led indicador para confirmar el estado del sensor.

Indicador	Estado
Verde, encendido	No se detectó movimiento
Rojo, encendido	Se detectó movimiento
Rojo, parpadeante	El sensor está fuera de alcance del hub
Verde, parpadeante	Modo de registro (oprimió y mantuvo oprimido [•)C])
Apagado	Sin batería

Nota:

- El Led indicador no indica el estado del sensor si el sensor no se ha registrado (página 10).

Resumen de configuración

- 1 Configuración inicial**
Asegúrese de poder acceder al sistema mediante su dispositivo móvil. Para obtener más detalles, consulte la Guía de configuración del sistema que viene con su hub.
- 2 Inserte las pilas**
El sensor de movimiento usa pilas.
- 3 Registro**
Solo se requiere si se compró el sensor de movimiento por separado (es decir, no como parte de un paquete).
- 4 Confirme el área de instalación**
Lea la información de este documento para confirmar que el área de instalación deseada sea la adecuada para el correcto funcionamiento.

Configuración

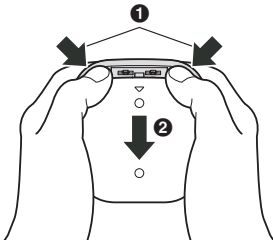
5 Instalación

Instale el sensor de movimiento en la ubicación deseada.

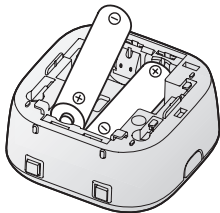
Colocación de las baterías

- SOLO USE pilas alcalinas AA (LR6).
- NO use pilas de manganeso/Ni-Cd/Ni-MH.
- Verifique las polaridades (+, -).

- 1 Extraiga la tapa posterior ejerciendo presión sobre los lados superiores de la misma (1) y deslícela hacia abajo (2).

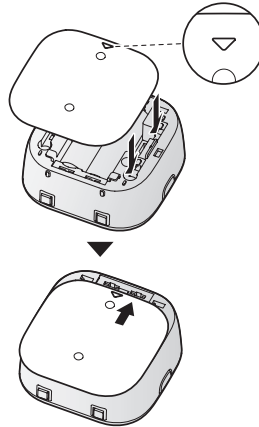


- 2 Inserte las pilas.



- 3 Coloque la tapa posterior.

- Colóquela con la marca "▽" hacia arriba y deslícela.



Registro del sensor de movimiento

Este procedimiento no es necesario para unidades que son parte de un paquete.

Antes de que pueda usar el sensor de movimiento, se debe registrar en el hub. Si compró los dispositivos por separado (es decir, no como parte de un paquete), debe registrar cada dispositivo en el hub.

Puede registrar cada unidad mediante los botones de registro o la aplicación [Red doméstico].

Configuración

Uso de los botones de registro

- 1 Hub:**
Oprima y mantenga oprimido **[••]C** **OTHER DEVICE**] hasta que el Led indicador parpadee en verde.
- Sensor de movimiento:**
Oprima y mantenga oprimido **[••]C** hasta que el Led indicador parpadee en verde (página 3).
- Cuando se ha completado el registro, el hub emitirá un pitido largo.

Nota:

- Para cancelar el registro, oprima **[••]C** en el hub y en el sensor de movimiento.
- Si el registro falla, el hub emitirá varios pitidos cortos.

Uso de la aplicación

Cuando registra el sensor de movimiento al usar la aplicación **[Red doméstico]**, puede asignarle un nombre a sus dispositivos y agruparlos por ubicación. Para obtener más información, consulte la Guía del usuario (página 10).

Información acerca de las características del sensor

El sensor de movimiento usa un sensor infrarrojo (es decir, sensor de calor). Lea la información siguiente antes de decidir dónde instalar el sensor de movimiento.

Nota:

- Las características del sensor de movimiento no están diseñadas para su utilización en situaciones que requieran

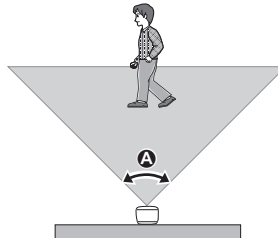
alta confiabilidad. No recomendamos el uso de las características del sensor de movimiento en esas situaciones.

- Panasonic no asume ninguna responsabilidad por lesiones o daños provocados por el uso del sensor de movimiento.

Uso del calor para detectar movimiento

El sensor infrarrojo del sensor de movimiento puede detectar el movimiento al reconocer las diferencias de temperatura que ocurran dentro del alcance del sensor. Para ello detecta los rayos infrarrojos que las personas, animales, etc., emiten de forma natural, los cuales están correlacionados a la temperatura del objeto. El alcance de detección se indica en la imagen mediante la zona gris situada frente al sensor de movimiento.

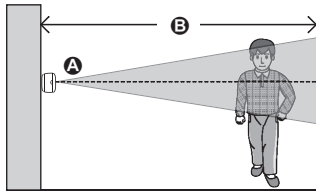
Alcance de detección con vista desde arriba



- A** Alcance de detección horizontal: aprox. 90°

Configuración

Alcance de detección con vista lateral



- A** Alcance de detección vertical:
aprox. 20°
- B** Distancia de movimiento detectable:
aprox. 5 m (16.4 pies)

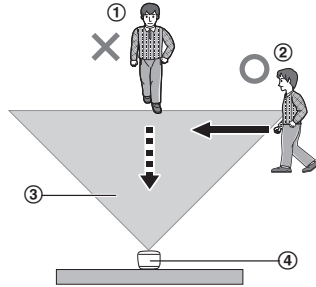
Nota:

- La detección se dificulta cuando hay poca diferencia entre las temperaturas de los objetos y el entorno, como en verano. Por ende, la detección se facilita cuando hay mucha diferencia entre las temperaturas de los objetos y el entorno, como en invierno o de noche.
- La detección no es posible cuando hay obstáculos frente al sensor infrarrojo. Quite los obstáculos o cambie la ubicación de instalación.

Dirección del movimiento

Es más fácil detectar objetos que se mueven de lado frente al sensor de movimiento y más difícil detectar objetos

que se mueven de frente hacia el sensor de movimiento.



- ① Es difícil detectar movimiento directamente frontal hacia el sensor de movimiento.
- ② Es fácil detectar movimiento lateral frente al sensor de movimiento.
- ③ Alcance de detección
- ④ Sensor de movimiento

Confirmación del área de uso

Alcance de la comunicación inalámbrica

El alcance de la comunicación inalámbrica de cada dispositivo en el sistema del hub es de aproximadamente 50 m (160 pies) en interiores y de aproximadamente 300 m (1,000 pies) en el exterior. Es posible que la comunicación inalámbrica no sea tan confiable cuando se encuentran los obstáculos siguientes entre el hub y otros dispositivos.

- Puertas o pantallas metálicas
- Paredes que contengan aislamiento de aluminio
- Paredes de hormigón o hierro corrugado
- Ventanas de vidrio doble
- Varias paredes
- Cuando los dispositivos están en pisos o edificios diferentes

Nota:

- Puede verificar el estado de la comunicación del sensor de movimiento presionando **[•]C**. Si el Led indicador está iluminado en verde o rojo, el sensor se está comunicando de forma adecuada con el hub. Si el Led indicador parpadea en rojo, se encuentra fuera de alcance del hub.

Precauciones respecto al área de uso

Usar el sensor de movimiento en las áreas siguientes puede causar deformación, averías o fallas de operación.

- A la luz del sol
- En áreas expuestas a grasa o vapor, como en cocinas

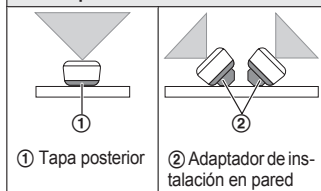
- Cerca del fuego o calefactores
- Cerca de campos magnéticos (como cerca de hornos microondas e imanes)
- Áreas sujetas a cambios extremos de temperatura, como cerca de aires acondicionados
- Áreas con objetos reflectivos, como vidrios, que pueden interferir con la detección de la variación de temperatura
- Áreas donde objetos de iluminación afectan la temperatura (como luces fluorescentes)
- Cerca de dispositivos que emiten ondas de radio potentes, como teléfonos móviles

Configuración

Montaje en la pared

Hay dos métodos para instalar el sensor de movimiento en la pared. Para montar el sensor contra la pared, utilice la tapa posterior. Para montar el sensor y éste gire 45° a la derecha o a la izquierda, utilice el adaptador de instalación en pared.

Ejemplos de instalación*1 de la tapa posterior y del adaptador de instalación en pared



*1 Vista desde arriba.

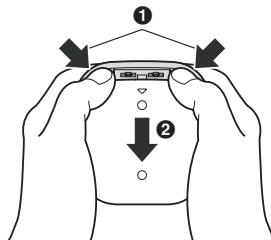
Nota:

- Monte el sensor de movimiento en una ubicación estable donde el este se pueda colocar con seguridad.
- No coloque el sensor de movimiento sobre un material blando. Podría caerse, romperse o provocar lesiones.
- No monte el sensor de movimiento en las ubicaciones siguientes: tablas de yeso, hormigón celular, bloques de hormigón, contrachapados con grosor inferior a 25.4 mm (1 pulgada), etc.

Uso de la tapa posterior

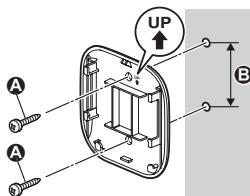
- 1 Extraiga la tapa posterior ejerciendo presión sobre los lados superiores de

la misma (1) y deslícela hacia abajo (2).



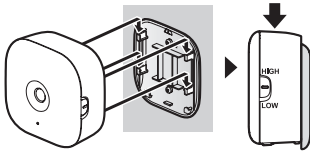
- 2 Instale la tapa posterior en la pared con tornillos (A).

- Coloque la tapa posterior con la marca "UP" hacia arriba.
- B 37 mm (1 15/32 pulgadas)



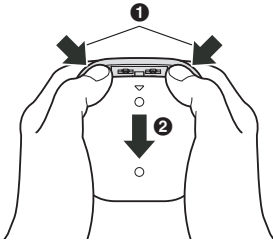
Configuración

- 3** Coloque el sensor de movimiento en la tapa posterior.
- Inserte las 4 lengüetas de la tapa posterior en los canales del sensor de movimiento y luego ejerza presión hacia abajo sobre el sensor de movimiento.

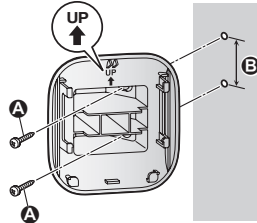


Uso del adaptador de instalación en pared

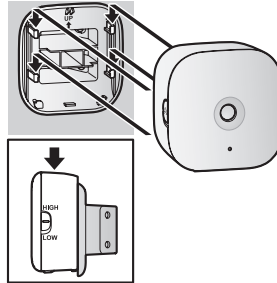
- 1** Extraiga la tapa posterior ejerciendo presión sobre los lados superiores de la misma **(1)** y deslícela hacia abajo **(2)**.



- 2** Instale el adaptador de instalación en pared con tornillos **(A)**.
- Coloque el adaptador de instalación en pared con la marca "UP" hacia arriba.
 - **B** 21 mm (27/32 pulgadas)



- 3** Coloque el sensor de movimiento en el adaptador de instalación en pared.
- Inserte las 4 lengüetas del adaptador de instalación en pared en los canales del sensor de movimiento y luego ejerza presión hacia abajo sobre el sensor de movimiento.



Apéndice

Prueba del sensor de movimiento

Puede observar el Led indicador del sensor de movimiento y probar el funcionamiento del sensor de movimiento.

- 1 Oprima **[••]C**.
- 2 Muévase a un área cerca del sensor de movimiento.
- 3 A medida que se acerque al sensor de movimiento, observe el Led indicador.
 - Cuando se detecta movimiento, el Led indicador se ilumina en rojo.
- 4 Observe las áreas donde se detecta el movimiento.
- 5 Presione **[••]C** de nuevo.

Ajuste de sensibilidad del sensor

Puede usar el interruptor **[HIGH]/[LOW]** (página 3) para ajustar la sensibilidad del sensor. Si el sensor tiende a hacer detecciones falsas, como en áreas con fluctuaciones de temperatura frecuentes y considerables, coloque el interruptor en la posición **[LOW]**.

Nota:

- Cuando el interruptor está en la posición **[LOW]**, se reduce el alcance de detección a casi la mitad (en comparación a cuando el interruptor está en la posición **[HIGH]**).

Acceso a la Guía del usuario

La Guía del usuario es una colección de documentación en línea que lo ayuda a aprovechar al máximo la aplicación **[Red doméstico]**.

- 1 **iPhone®/iPad®**
Toque  en la pantalla de inicio de la aplicación.
Dispositivos Android™
Toque  u oprima el botón menú de su dispositivo en la pantalla de inicio de la aplicación.
- 2 Toque **[Guía del usuario]**.

Nota:

- También puede acceder a la Guía del usuario mediante la página web a continuación.



www.panasonic.net/pcc/support/tel/homenetwork/manual/