

# Panasonic®

## Installation Guide

### Home Network System Water Leak Sensor

Model No. **KX-HNS103**



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

This document explains how to install the water leak sensor properly. For details about how to use the system, refer to the User's Guide (page 18).

Please read this document before using the unit and save it for future reference. For assistance, please contact us at 1-800-272-7033 or visit our Web site: [www.panasonic.com/support](http://www.panasonic.com/support) for customers in the U.S.A. or Puerto Rico.

**Please register your product: [www.panasonic.com/prodreg](http://www.panasonic.com/prodreg)**

In order to use this device:

- Download the latest version of the **[Home Network]** app.
- Update your hub to the latest firmware version (version 5.00 or later).  
For more information, refer to the User's Guide (page 18).

Printed in China

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## Accessory information

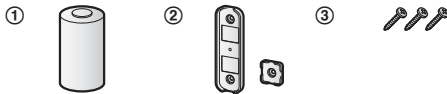
### Supplied accessories

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

\*1 When replacing the battery, see "Power source" of "Specifications", page 19 for battery information.

\*2 1 adaptor for the main unit: PNRH2107Z  
1 adaptor for the probe unit: PNRH2108Z

\*3 2 screws for the main unit and 1 screw for the probe unit



### 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.
- Microsoft, Windows, and Internet Explorer are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- All other trademarks identified herein are the property of their respective owners.

## 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.
- The system's wireless features are subject to interference, therefore functionality in all situations cannot be guaranteed. Panasonic will not be held responsible for injury or damage to property that occurs in the event of wireless communication error or failure.

### 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.
- 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.

- Do not allow the cable to be excessively pulled, bent or placed under heavy objects. Keep the main unit upright at all times.
- Do not allow the probe unit to make contact with a battery or an electric outlet. The product could become damaged.
- 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.

##### CR Lithium battery

- Do not recharge, disassemble, remodel, heat or throw it into fire.

4 **For assistance, please visit [www.panasonic.com/support](http://www.panasonic.com/support)**

## Important Information

- Do not touch the terminals ⊕ and ⊖ 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.

### CAUTION

#### CR Lithium battery

- 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. 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

For assistance, please visit [www.panasonic.com/support](http://www.panasonic.com/support)

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## Important Information

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 0 °C (32 °F) or greater than 40 °C (104 °F).
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.
- Do not allow the probe unit's metal probes to make contact with metal objects. This may reduce the battery life.

## 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.
- If the probe unit's metal probes come into contact with a foreign material (oil, detergent, etc.), the probes may repel water and therefore will not be able to properly detect a water leak. Periodically check the metal probes and wipe away any water or foreign material that has become adhered to the probes.
- If the probes come into contact with water, wipe the probe unit dry. Do not allow the probes to remain in contact with water for an extended period of time, as the probes may begin to turn black. (This will not affect the product's ability to detect a water leak.)

### 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.

## **Important Information**

### **Note for the battery removal procedure**

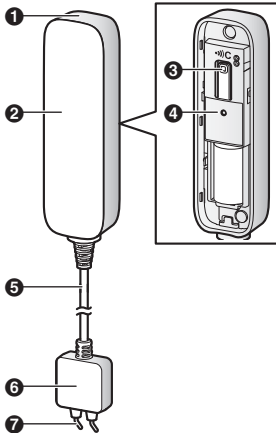
Refer to “Inserting the battery” on page 9.

### **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 Main unit
- 2 Main unit cover
- 3 **[••]C**  
Used to confirm the status of the sensor or register the sensor to the hub.
- 4 LED indicator
- 5 Cable
- 6 Probe unit
- 7 Probes

### LED indicator

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

After confirming the sensor's status, we recommend turning the LED indicator

off by pressing **[••]C** again as soon as possible, otherwise battery life may be reduced.

Indicator	Status
Green, lit	No water detected
Red, lit	Water detected
Red, blinking	Sensor is out of range of the hub
Green, blinking	Registration mode (You pressed and held <b>[••]C</b> )
Off	No battery power

#### Note:

- The LED indicator does not indicate sensor status if the sensor has not been registered (page 9).

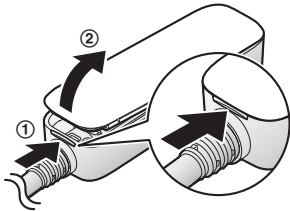
### Setup overview

- 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 battery**  
The sensor is battery powered.
- 3 **Registration**  
Required only if the sensor was purchased separately (i.e., not as part of a bundle).
- 4 **Confirm the usage area**  
Read the information in this document to confirm that the desired installation area is suitable to proper operation.
- 5 **Installation**  
Install the sensor in the desired location.

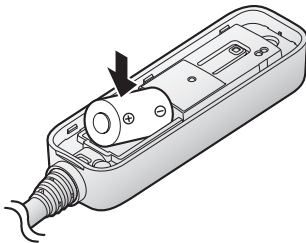


## Inserting the battery

- USE ONLY a CR2 Lithium battery.
  - Confirm the polarities (+, -).
- 1 Remove the main unit cover.
    - Lift from the indented area (1) and open the main unit cover (2).



- 2 Insert the battery.



- 3 Attach the main unit cover.

## Registering the sensor

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

Before you can use the 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.

### Using registration buttons

- 1 **Hub:**  
Press and hold **[•]C OTHER DEVICE** until the LED indicator blinks in green.
- 2 **Sensor:**  
Remove the main unit cover and press and hold **[•]C** until the LED indicator blinks in green (page 8).
  - When registration is complete, the hub sounds one long beep.

#### Note:

- To cancel without registering the sensor, press **[•]C** on the hub and on the sensor again.
- If registration fails, the hub sounds several short beeps.

### Using the app

When you register the sensor by using the **[Home Network]** app, you can assign a name to your devices and



## Setup

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group them by location. For more information, refer to the User's Guide (page 18).



## Confirming the usage area

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### 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

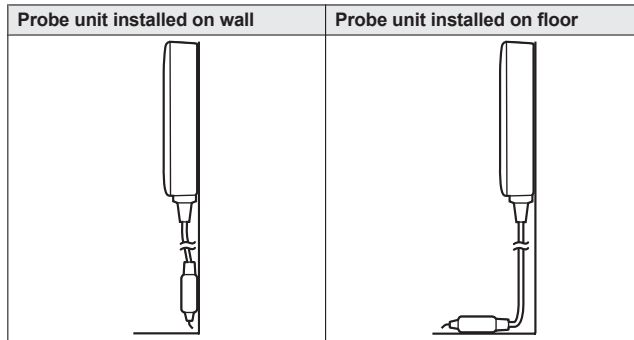
#### Note:

- You can check the 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.

## Installation

The main unit is installed on a wall, and the probe unit can be installed on a wall or a floor.

When the metal probes on the probe unit come in to contact with water, a small amount of electrical charge flows between the probes, which the main unit recognizes as a water leak.



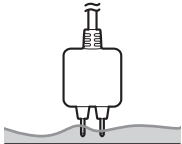

## Installation precautions

- The sensor is not designed to be used in situations that require high reliability. We do not recommend use of the sensor in these situations.
- Panasonic takes no responsibility for any injury or damage caused by the use of this product.
- When installing, make sure the battery is inserted properly and the main unit cover is completely closed.
- When installing on a wooden surface, use the included wall mounting adaptors. Secure the wall mounting adaptors to the wall using screws (not double-sided tape).
- Mount the sensor on the stable location where the sensor can be adequately supported when mounting.
- Do not mount the sensor on a soft material. It may fall down, break or cause injury.
- Do not mount the sensor on the following places: gypsum board, ALC (autoclaved lightweight cellular concrete), concrete block, plywood less than 25.4 mm (1 inch) thick, etc.
- The sensor may not be able to properly detect a water leak if the water contains contaminants such as oil, or if the water is frozen (i.e., ice or snow).

For assistance, please visit [www.panasonic.com/support](http://www.panasonic.com/support)

## Setup

- Install the probe unit so that the metal probes are horizontal. A water leak can only be detected if water touches both of the metal probes; if water touches only one of the probes, a water leak will not be detected.

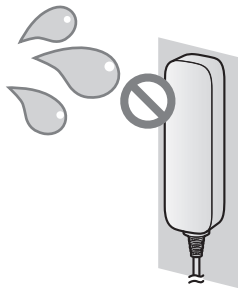
Correct installation	Incorrect installation
Metal probes are horizontal to the floor 	Metal probes are not horizontal to the floor 

## Installation location

Install the water leak sensor in a basement, kitchen, utility room, or anywhere you want to detect a water leak. Common installation examples include near a washing machine, hot water heater, or a location where a water leak has occurred in the past.

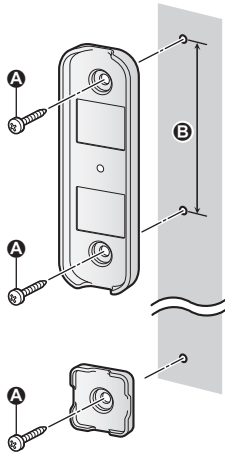
### Note:

- Install the probe unit so that its metal probes are about 1 mm (1/32 inches) above the floor. If the probes touch the floor, the sensor may make false detections. If the probes are too far from the floor, water leaks can only be detected after the leaked water has become deep enough to touch the probes.
- Install the main unit 1 m (3 feet 3 inches) or higher above the floor. The main unit is not waterproof; if it becomes wet, the sensor may become damaged and water leaks will not be detected properly.



## Securing with the wall mounting adaptors

- 1 Use screws to attach the wall mounting adaptors to the wall.
  - Main unit
  - A Screws
  - B 75 mm (2 15/16 inches)
  - Probe unit
  - A Screw



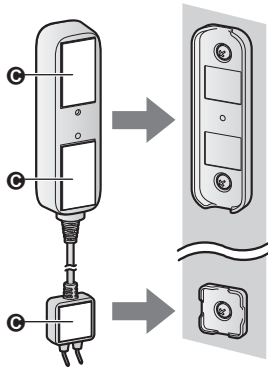
### Note:

- To install the probe unit on a floor, see page 16. In this case, you will not use the probe unit's wall mounting adaptor.

## Setup

- 2 Remove the backing from the double-sided tape, insert the main unit and the probe unit into the wall mounting adaptors, and then press firmly on each unit to ensure solid adhesion to the installation surface.

④ Double-sided tape

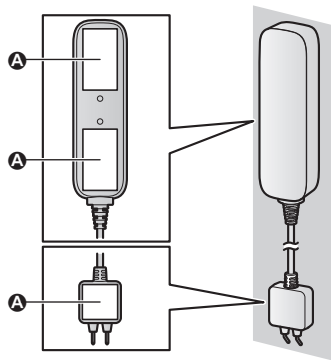


## Securing with double-sided tape only

**Note:**

- Make sure any surfaces that will make contact with the double-sided tape are clean and dry before applying the tape. When attaching the double-sided tape to concrete or bricks, if the surface of the concrete or bricks is wet, make sure to completely dry the surface before attaching the double-sided tape.
- 1 Remove the backing from the double-sided tape, attach the main unit and the probe unit to the installation surface, and then press firmly on each unit to ensure solid adhesion to the installation surface.

**A** Double-sided tape



**Note:**

- To install the probe unit on a floor, see page 16.

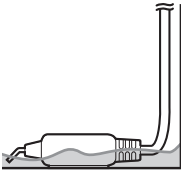
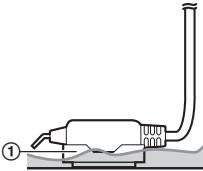
## Setup

### Installing the probe unit on a floor

When installing the probe unit on a floor, use the double-sided tape to attach the probe unit directly to the floor.

**Note:**

- If the probe unit is inserted into the wall mounting adaptor and attached to a floor, the probes will be too far from the floor and therefore water leaks can only be detected after the leaked water has become deep enough to touch the probes.

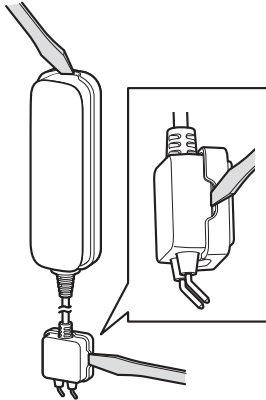
Correct installation	Incorrect installation
<p data-bbox="241 474 487 494">Shallow water touches probes</p> 	<p data-bbox="558 474 836 494">Only deep water can touch probes</p>  <p data-bbox="558 686 765 706">① Wall mounting adaptor</p>



## Removing from the wall

### ■ Removing from the wall mounting adaptors

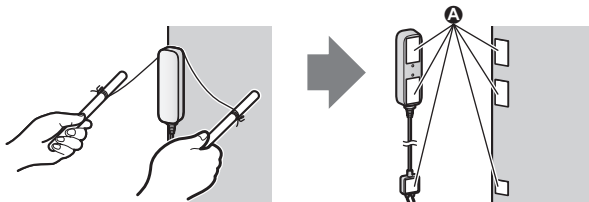
- 1 Insert a flat screwdriver into the notches on the wall mounting adaptors, and carefully pry away the main unit and probe unit.



- 2 Remove the screws that secure the wall mounting adaptors to the wall.

### ■ Removing when secured with double-sided tape only

- 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.
- A** Excess tape



For assistance, please visit [www.panasonic.com/support](http://www.panasonic.com/support)

## Appendix

### Testing the sensor

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

- 1 Remove the main unit cover.
- 2 Press **[⏻]C**.
- 3 Touch the probes of the probe unit to water.
- 4 Confirm that the LED indicator lights in red.
- 5 Press **[⏻]C** again.



### Features available when using the [Home Network] app

Some of the 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 18).

- **Alarm system**  
You can use the app to arm and disarm the alarm system, confirm the current status of the sensor, and view a log of previous events.
- **Sensor integration**  
You can configure the 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 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.
- 1 **Android™ devices**  
Tap  or press your mobile device's menu button in the app's home screen.
- 2 Tap **[User's Guide]**.

#### Note:

- Microsoft® Windows® Internet Explorer® 8 and earlier versions are not supported.
- Android 4.1 or later versions are recommended.
- You can also access the User's Guide at the web page listed below.



[www.panasonic.net/pcc/support/tel/homenetwork/manual/](http://www.panasonic.net/pcc/support/tel/homenetwork/manual/)

## Specifications

- **Standards**  
DECT 6.0 (Digital Enhanced Cordless Telecommunications 6.0)
- **Frequency range**  
DECT: 1.92 GHz – 1.93 GHz
- **RF transmission power**  
DECT: 115 mW (max.)
- **Power source**  
Lithium battery CR2 (1 × 3.0 V, 850 mAh)
- **Operating conditions**  
0 °C – 40 °C (32 °F – 104 °F)
- **Battery life**  
Approx. 2 years (when the sensor is triggered once a month, in an environment of 25 °C (77 °F))
- **Dimensions**
  - Main unit (height × width × depth) (not including double-sided tape):**  
Approx. 106 mm × 31 mm × 22 mm  
(4 5/32 inches × 1 7/32 inches × 7/8 inches)
  - Probe unit (height × width × depth) (not including double-sided tape):**  
Approx. 44 mm × 24 mm × 10 mm  
(1 23/32 inches × 15/16 inches × 3/8 inches)
  - Cable (length):**  
Approx. 1.2 m (3 feet 11 inches)
- **Mass (weight)**  
Approx. 80 g (0.18 lb), excluding the battery

## 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 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, the devices should not be placed near or on top of a TV or VCR. If interference is experienced, move this device 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 device must be used only with a non-metallic accessory. Use of other accessories may not ensure compliance with FCC RF exposure requirements.

#### Notice:

- FCC ID can be found inside the main unit.

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## Customer services

# **Shop Accessories!**

for all your Panasonic gear

Go to

[www.panasonic.com/accessories](http://www.panasonic.com/accessories)

Get everything you need to get the most out of your Panasonic products  
Accessories & Parts for your Camera, Phone, A/V products, TV, Computers & Networking, Personal Care, Home Appliances, Headphones, Batteries, Backup Chargers & more...

## **Customer Services Directory**

For Product Information, Operating Assistance, Parts, Owner's Manuals, Dealer and Service info go to [www.panasonic.com/support](http://www.panasonic.com/support)

You may also contact us directly at: 1-800-272-7033,  
Monday - Friday 9 am to 9 pm;  
Saturday - Sunday 10 am to 7 pm, EST.

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

## Appendix

# 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
<b>Home Network System Products</b>	<b>One (1) Year</b>	<b>One (1) Year</b>
<b>microSD card (Included model only)</b>	<b>90 days</b>	<b>N/A</b>

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](http://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.**

22 For assistance, please visit [www.panasonic.com/support](http://www.panasonic.com/support)

### 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.

## IMPORTANT!

If your product is not working properly. . .

- ① Use **CR2 Lithium battery**.
- 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](http://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 main unit)	
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 pérdida de agua

Modelo n° **KX-HNS103**



#### Gracias por adquirir un producto Panasonic.

Este documento explica cómo instalar el sensor de pérdida de agua de forma correcta.

Para obtener detalles sobre cómo usar el sistema, consulte la Guía del usuario (página 13).

Lea este documento antes de usar la unidad, y guárdelo para consultarlo en el futuro. Para obtener ayuda, comuníquese con nosotros llamando al 1-800-272-7033 o visite nuestro sitio web: [www.panasonic.com/support](http://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](http://www.panasonic.com/prodreg)**

Para utilizar este dispositivo:

- Descargue la versión más reciente de la aplicación [**Home Network**].
- Actualice el hub a la versión de firmware más reciente (versión 5.00 o posterior). Para obtener más información, consulte la Guía del usuario (página 13).



\*PNQX7269ZA\*

**PNQX7269ZA** CC0215WK0 (E)



## **Tabla de Contenido**

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### **Configuración**

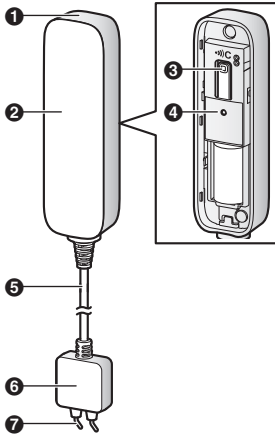
Nombres de los componentes y funciones .....	3
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## Configuración

### Nombres de los componentes y funciones



- 1 Unidad principal
- 2 Tapa de la unidad principal
- 3 **[•]C**  
Se usa para confirmar el estado del sensor o para registrar el sensor en el hub.
- 4 Led indicador
- 5 Cable
- 6 Unidad de sonda
- 7 Sondas

### Led indicador

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

Tras confirmar el estado del sensor, recomendamos apagar el led indicador volviendo a pulsar **[•]C** lo antes posible, ya que de lo contrario la vida útil de la batería podría reducirse.

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

#### Nota:

- El Led indicador no indica el estado del sensor si el sensor no se ha registrado (página 4).

## 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 la batería**  
El sensor usa batería.
- 3 **Registro**  
Solo se requiere si se compró el sensor por separado (es decir, no como parte de un paquete).
- 4 **Confirmación del área de uso**  
Lea la información de este documento para confirmar que el área de

Para obtener ayuda, visite [www.panasonic.com/support](http://www.panasonic.com/support)

3

## Configuración

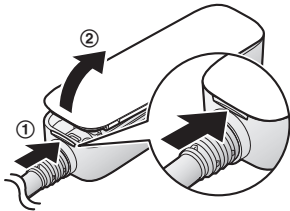
instalación deseada sea la adecuada para el correcto funcionamiento.

### 5 Instalación

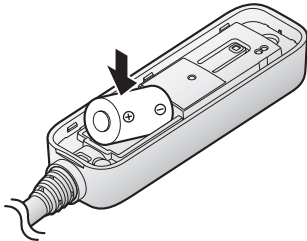
Instale el sensor en la ubicación deseada.

## Insertar la batería

- USE SOLO baterías de litio CR2.
  - Verifique las polaridades (+, -).
- 1 Quite la tapa de la unidad principal.
    - Levante por el área indicada (1) y abra la tapa de la unidad principal (2).



- 2 Inserte la batería.



- 3 Coloque la tapa de la unidad principal.

## Registro del sensor

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

Antes de poder usar el sensor, debe registrarlo 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 **[Home Network]**.

## Uso de los botones de registro

- 1 **Hub:**  
Oprima y mantenga oprimido **[•]C** **OTHER DEVICE**] hasta que el Led indicador parpadee en verde.
- 2 **Sensor:**  
Quite la tapa de la unidad principal 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 sin registrar el sensor, oprima **[•]C** en el hub y en el sensor nuevamente.
- Si el registro falla, el hub emitirá varios pitidos cortos.

## Uso de la aplicación

Cuando registra el sensor con la aplicación **[Home Network]**, puede asignarle un nombre a sus dispositivos y agruparlos por ubicación. Para obtener más información, consulte la Guía del usuario (página 13).

- 4 **Para obtener ayuda, visite [www.panasonic.com/support](http://www.panasonic.com/support)**

## 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:

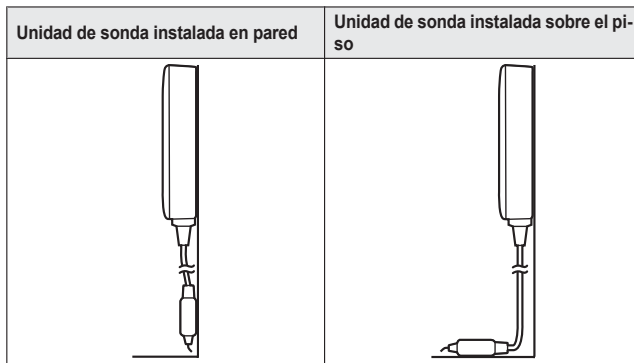
- Puede verificar el estado de la comunicación del sensor presionando **[•)C]**. Si el Led indicador está iluminado en verde o rojo, el sensor se está comunicando de forma adecuada con el hub. Si el Led indicador parpadea en rojo, se encuentra fuera de alcance del hub.

## Configuración

### Instalación

La unidad principal se instala en la pared, y la unidad de sonda puede instalarse en la pared o sobre el piso.

Cuando las sondas metálicas de la unidad de sonda entran en contacto con agua, fluye una pequeña descarga eléctrica entre las sondas, lo cual es reconocido por la unidad principal como una pérdida de agua.



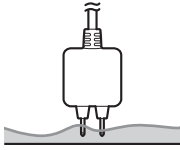
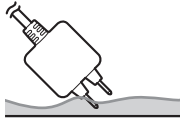
### Precauciones de instalación

- El sensor no está diseñado para usarse en situaciones que requieran alta confiabilidad. No recomendamos el uso del sensor en estas situaciones.
- Panasonic no asume ninguna responsabilidad por lesiones o daños provocados por el uso de este producto.
- Cuando realice la instalación, asegúrese de que la batería esté colocada adecuadamente y que la tapa de la unidad principal esté cerrada por completo.
- Al instalar en una superficie de madera, use los adaptadores de instalación en pared que se incluyen. Use tornillos para colocar los adaptadores para montaje en la pared (no use cinta de doble cara).
- Monte el sensor en una ubicación estable donde se pueda sostener correctamente.
- No coloque el sensor sobre un material blando. Podría caerse, romperse o provocar lesiones.
- No monte el sensor en las siguientes ubicaciones: tablas de yeso, hormigón celular, bloques de hormigón, contrachapados con grosor inferior a 25.4 mm (1 pulgada), etc.
- El sensor no puede detectar adecuadamente una fuga de agua si el agua contiene contaminantes tales como aceite o si el agua estuviera congelada (es decir, hielo o nieve).

6 Para obtener ayuda, visite [www.panasonic.com/support](http://www.panasonic.com/support)

## Configuración

- Instale la unidad de sonda de modo que las sondas de metal queden horizontales. Una pérdida de agua solo se puede detectar si el agua toca ambas sondas de metal; si el agua toca solamente una de las sondas, no se detectará la pérdida de agua.

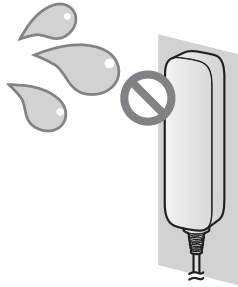
Instalación correcta	Instalación incorrecta
Las sondas de metal son paralelas al piso 	Las sondas de metal no son paralelas al piso 

## Ubicación de la instalación

Instale el sensor de pérdida de agua en sótanos, cocinas, lavaderos o en el lugar donde quiera detectar pérdidas de agua. Los ejemplos comunes de instalación incluyen lavarropas, calentadores de agua o lugares donde se produjeron pérdidas de agua anteriormente.

### Nota:

- Instale la unidad de sonda de modo que las sondas de metal queden aproximadamente a 1 mm (1/32 pulgadas) sobre el nivel del piso. Si la sonda toca el piso, es posible que el sensor realice detecciones falsas. Si las sondas están muy alejadas del piso, las pérdidas de agua solo pueden detectarse una vez que la pérdida sea lo suficientemente profunda y toque las sondas.
- Instale la unidad principal 1 m (3 pies 3 pulgadas) o más sobre el nivel del piso. La unidad principal no es a prueba de agua; si se humedece es posible que el sensor se dañe y que las pérdidas de agua no se detecten adecuadamente.



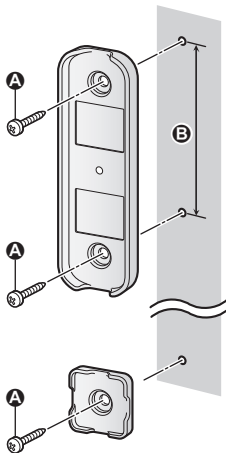
Para obtener ayuda, visite [www.panasonic.com/support](http://www.panasonic.com/support)

7

## Configuración

### Colocación con los adaptadores de instalación en pared

- 1 Use tornillos para sujetar los adaptadores para montaje en la pared.
  - Unidad principal
  - Ⓐ Tornillos
  - Ⓑ 75 mm (2 15/16 pulgadas)
  - Unidad de sonda
  - Ⓐ Tornillo



#### Nota:

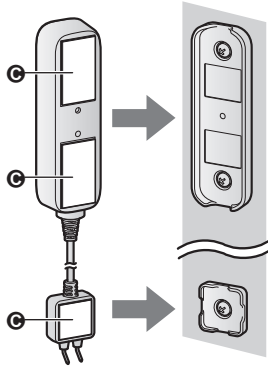
- Para instalar la unidad de sonda sobre un piso, consulte página 11. En este caso, no debe usar el adaptador de instalación en pared de la unidad de sonda.



## Configuración

- 2 Quite la parte posterior de la cinta de doble cara, inserte la unidad principal y la unidad de sonda en los adaptadores de instalación en pared y presione firmemente en cada unidad para garantizar una adhesión sólida a la superficie de instalación.

● Cinta adhesiva de doble cara

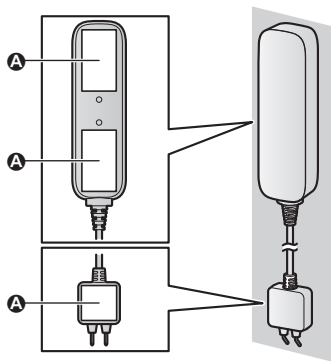


## Configuración

### Colocación solo con cinta adhesiva de doble cara

**Nota:**

- Asegúrese de que las superficies que estarán en contacto con la cinta de doble cara estén limpias y secas antes de aplicar la cinta. Al colocar la cinta de doble cara sobre hormigón o ladrillos, si la superficie de estos está húmeda, asegúrese de secarla completamente antes de colocar la cinta de doble cara.
- 1 Quite la parte posterior de la cinta de doble cara, pegue la unidad principal y la unidad de sonda a la superficie de instalación y presione firmemente en cada unidad para garantizar una adhesión sólida a la superficie de instalación.  
**A** Cinta adhesiva de doble cara



**Nota:**

- Para instalar la unidad de sonda sobre un piso, consulte página 11.

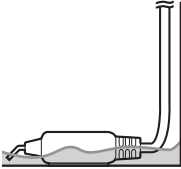
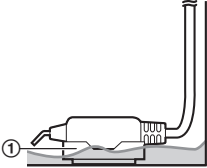
## Configuración

### Instalación de la unidad de sonda sobre un piso

Cuando instale la unidad de sonda sobre un piso, use la cinta de doble cara para pegar la unidad de sonda directamente sobre el piso.

**Nota:**

- Si la unidad de sonda se inserta en el adaptador de instalación en pared y se pega en un piso, las sondas estarán muy lejos del piso y, por lo tanto, solo se detectarán pérdidas de agua una vez que el agua sea lo suficientemente profunda como para tocar las sondas.

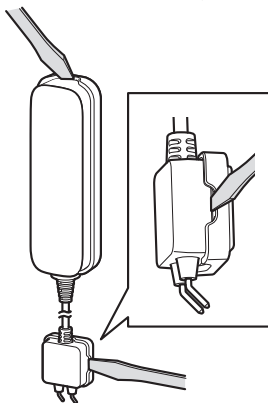
Instalación correcta	Instalación incorrecta
<p data-bbox="241 454 508 472">Agua poco profunda toca las sondas</p> 	<p data-bbox="558 454 836 491">Solo el agua profunda puede tocar las sondas</p>  <p data-bbox="558 686 831 705">① Adaptador de instalación en pared</p>

## Configuración

### Extracción de la pared

#### ■ Extracción de los adaptadores de instalación en pared

- 1 Inserte un destornillador plano en las muescas de los adaptadores de instalación en pared y quite cuidadosamente la unidad principal y la unidad de sonda.

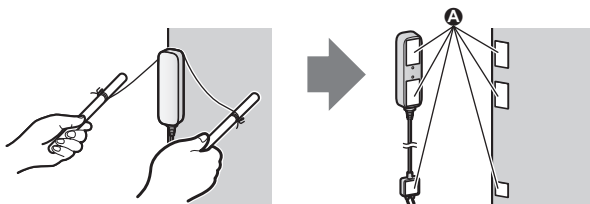


- 2 Quite los tornillos que fijan los adaptadores de instalación a la pared.

#### ■ Extracción cuando se asegura con cinta adhesiva de doble cara

- 1 Ate un pedazo de hilo a dos palos, destornilladores, etc.
- 2 Tire firmemente del hilo y úselo para cortar la cinta de doble cara, y luego elimine cualquier exceso de cinta.

**A** Exceso de cinta



12 Para obtener ayuda, visite [www.panasonic.com/support](http://www.panasonic.com/support)


### Prueba del sensor

Puede observar el Led indicador del sensor para probar el funcionamiento del sensor.

- 1 Quite la tapa de la unidad principal.
- 2 Oprima **[••]C**.
- 3 Toque las sondas de la unidad de sonda de agua.
- 4 Confirme que el Led indicador se encienda en rojo.
- 5 Presione **[••]C** de nuevo.

### 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 **[Home Network]**.

- 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]**.

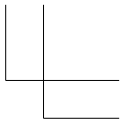
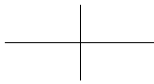
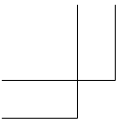
#### Nota:

- No se admite Microsoft® Windows® Internet Explorer® 8 y versiones anteriores.
- Se recomienda Android 4.1 y versiones posteriores.

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

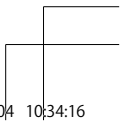
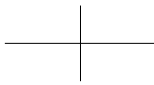
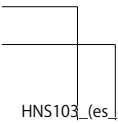
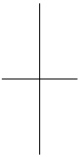


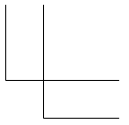
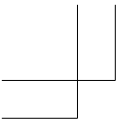
[www.panasonic.net/pcc/support/tel/homenetwork/manual/](http://www.panasonic.net/pcc/support/tel/homenetwork/manual/)



**Notas**

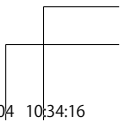
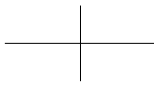
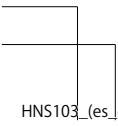
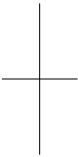
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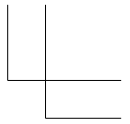
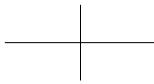
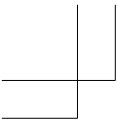




**Notas**

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**Notas**

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