

# Panasonic®

## Installation Guide

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### Home Network System Backup Battery

Model No. **KX-HNP100FX**



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

This document explains how to install the backup battery properly. For details about how to use the system, refer to the User's Guide (page 15).

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

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## Accessory information

### Supplied accessories

No.	Accessory item/Part number	Quantity
①	Rechargeable battery* <sup>1</sup>	1

\*1 See page 3 for replacement battery information.

①



### Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model no./Specifications
Rechargeable battery	KX-PRA10EX <ul style="list-style-type: none"> <li>● Lithium Ion (Li-Ion) type battery</li> </ul>

## 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 trademarks of Apple Inc., registered in the U.S. and other countries.
- 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.
- Wi-Fi is a registered trademark of Wi-Fi Alliance.
- All other trademarks identified herein are the property of their respective owners.

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### About this system

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

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### For your safety

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

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#### **WARNING**

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##### Power connection

- Use only the power source marked on the product.
- Disconnect the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Disconnect from power outlets and never touch the inside of the product

if its casing has been broken open. Danger of electric shock exists.

- Never touch the plug with wet hands. Danger of electric shock exists.
- Do not connect non-specified devices.
- Do not leave the power cable exposed outdoors.

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##### Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor to be excessively pulled, bent or placed under heavy objects.

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##### Operating safeguards

- Before opening the cover, disconnect the product from the power outlet and from the connected device.
- Before cleaning, disconnect the product from the power outlet and from the connected device, and then remove the battery. Do not use liquid or aerosol cleansers when cleaning.
- Do not disassemble the product.
- Never put metal objects inside the product. If metal objects enter the product, turn off the circuit breaker and contact an authorised service centre.

### 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 1.88 GHz and 1.90 GHz with a peak transmission power of 250 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.

### Lithium Ion (Li-Ion) battery

- Do not open, puncture, crush, or drop the battery. A damaged battery must not be used. This can result in the risk of fire, explosion, overheating, and leaking of the electrolyte.
- Do not touch the terminals  $\oplus$  and  $\ominus$  with metal objects.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to local regulations.
- If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water.
- If any electrolyte should come into contact with your eyes, never rub your eyes. Rinse your eyes thoroughly with water, and then consult a doctor.

### CAUTION

#### Installation and location

- Never install wiring during a lightning storm.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- To avoid the risk of strangulation, keep the product and the AC adaptor cord at least 1 m from a child's crib and out of the reach of small children.

#### Lithium Ion (Li-Ion) battery

- Use only the specified battery.
- 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.
- Stop using the battery immediately and keep away from fire if it emits an abnormal smell or leaks electrolyte. Released electrolyte may cause fire or burns.
- 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.
- Do not put any conductive materials such as coins or hairpins onto the

## Important Information

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battery terminals. This can result in the risk of overheating.

- Charge the battery provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.

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## 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

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## 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.

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### 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 radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C. Damp basements should also be avoided.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

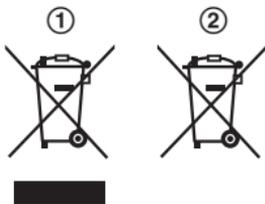
### Other information

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

#### Routine care

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

#### Disposal of Old Equipment and Batteries (Only for European Union and countries with recycling systems)



These symbols (①, ②) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

#### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

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

These symbols (①, ②) 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.

#### Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

#### Note for the battery removal procedure

Refer to "Inserting the battery" on page 11.

### General information about the backup battery

The backup battery can provide power to your Home Network System devices (one device per backup battery), allowing your devices to continue to operate in the event of a power outage. Instead of connecting an AC adaptor to your hub, camera, etc., the backup battery is connected to your device and is also connected to the power outlet. During normal operation, the backup battery uses power from the power outlet to charge the battery and to supply power to the connected device. In the event of a power outage, the device is powered by the backup battery only.

You can register the backup battery to the hub and take advantage of other features, but note that the backup battery does not need to be registered in order for it to supply power to the connected device in the event of a power outage.

### Backup battery performance

When the supplied battery is installed in the backup battery, you can expect the following operating time in the event of a power outage.

Compatible devices*1	Operating time*2
Hub (KX-HNB600)	1.5 hours (standby, connected to 4 cameras, not connected to a Wi-Fi® network)

Compatible devices*1	Operating time*2
Indoor Camera (KX-HNC200)	2.0 hours (standby) 1.5 hours (standby, when night vision mode is active)
Outdoor Camera (KX-HNC600)	
Indoor Siren (KX-HNS105)	7 hours (standby)

\*1 At the time of printing. Additional compatible devices may become available at a later date.

\*2 All times are approximate.

### Power outage notification by phone

In the event of a power outage, the backup battery can trigger the hub to call a pre-programmed phone number and notify you of the power outage. In order to use this feature, the following items are required.

- The hub must be connected to your landline (refer to the System Setup Guide included with the hub).
- The backup battery must be registered to the hub (page 14).
- You must use the **[Home Network]** app to program the phone number that will be called in the event of a power outage. For more information, refer to the User's Guide (page 15).
- The hub must be able to make calls using your landline even if there is a power outage. If your landline phone service requires a modem or other device to make phone calls (typically this is the case for landline phone

service provided by cable company, Internet service provider, VoIP service provider, etc.), and if that device does not contain its own backup battery, the hub will not be able to make calls in the event of a power outage.

## Power outage notification to your mobile device

In the event of a power outage, the backup battery can trigger the hub to send a notification to the **[Home Network]** app. In order to use this feature, the following items are required.

- The backup battery must be registered to the hub (page 14).
- You must use the **[Home Network]** app to enable the desired notifications. For more information, refer to the User's Guide (page 15).
- To receive power outage notifications, the hub must be able to access the Internet even if there is a power outage. This means that your wireless router and any other devices that are used when accessing the Internet (cable modem, network hubs, etc.) must also have their own backup power supplies\*1, otherwise the hub cannot send notifications to the **[Home Network]** app in the event of a power outage.

\*1 The KX-HNP100 Backup Battery cannot supply power to these devices. A third-party backup power supply is required.

## Wireless communication range

The wireless communication range of each device in the system from the hub is approximately 50 m indoors and approximately 300 m outdoors.

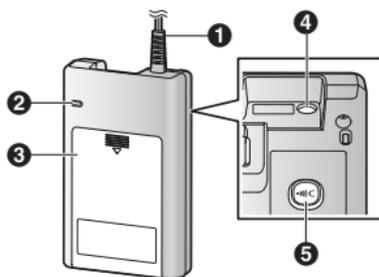
Wireless communication may be unreliable when the following obstacles are located between the hub and other devices.

- 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:

- The LED indicator lights in red if it is out of range of the hub. In this case, confirm all connections, including those of the hub.

### Part names and functions



- 1** Power supply plug
- 2** LED indicator
- 3** Battery cover
- 4** DC jack
- 5** Used to register the backup battery to the hub.

### LED indicator

You can use the LED indicator to confirm the backup battery's status.

Indicator	Status
Off	The battery is fully charged
Green, lit	Battery power is being consumed
Green, blinking slowly	Registration mode (you pressed and held )
Red, lit	Backup battery is out of range of the hub
Red, blinking slowly	No battery, or device error
Amber, lit	Battery is charging

#### Note:

- The backup battery consumes battery power whenever it is not connected to the power outlet. To keep the backup battery charged and ready with the maximum amount of backup power, we recommend you keep it connected to a power outlet at all times.
- When the battery operating time seems to be shorter, even after I fully charged the battery:
  - Clean the battery ends ( $\oplus$ ,  $\ominus$ ) and the charge contacts with a dry cloth and charge again.
  - It is time to replace the battery.

## 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 battery will supply power to the connected device in the event of a power outage.

### 3 Connections

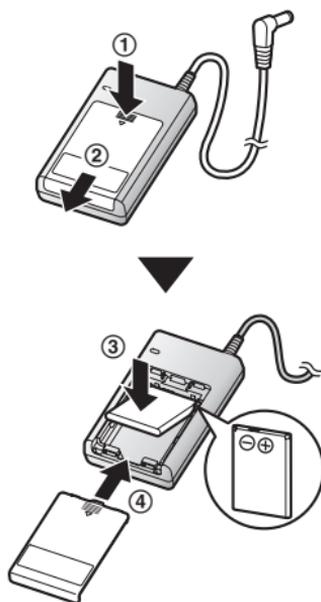
Connect the backup battery to the power outlet and to the device it will supply power to.

### 4 Registration

Register each of your backup batteries to the hub if you want to receive notifications in the event of a power outage. Note that this step is not required if the backup battery was purchased as part of a bundle.

## Inserting the battery

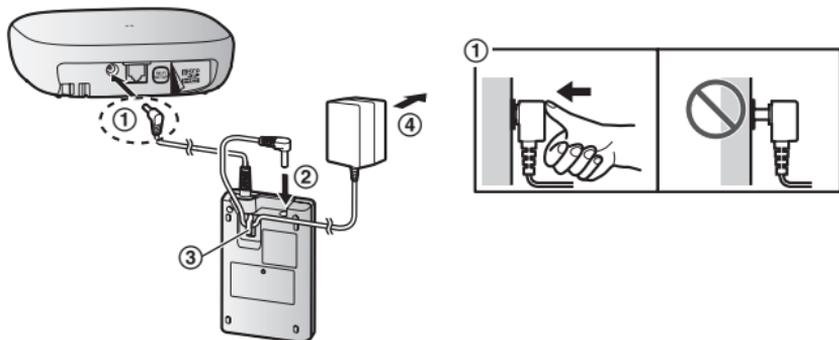
- USE ONLY the specified battery.
- Wipe the battery ends (+, -) with a dry cloth.
- Avoid touching the battery ends (+, -) or the unit contacts.



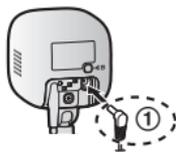
- 1 Press the notch (①) on the battery cover firmly.
- 2 Slide it in the direction of the arrow (②).
- 3 Insert the battery (③).
- 4 Close the battery cover (④).

## Connections

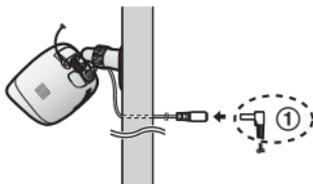
### Hub



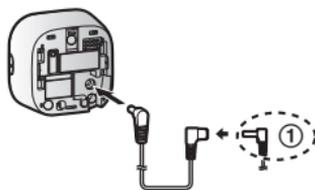
### Indoor Camera



### Outdoor Camera



### Indoor Siren



- ① Insert the backup battery's DC plug firmly into the device's DC jack, DC cable plug, or DC extension cord.  
Insert the DC plug completely. (This example illustration applies to the KX-HNB600 and KX-HNC200.)
- ② Connect the AC adaptor plug to the backup battery.
- ③ Secure the AC adaptor cord by wrapping it around the hook.
- ④ Connect the AC adaptor to the power outlet.

### Note:

- The AC adaptor described in these instructions is the AC adaptor that was supplied with your compatible device.
- It takes about 10 hours to fully charge the battery.
- The backup battery's LED indicator lights in amber while the battery is charging. When charging is complete, the LED indicator turns off (page 10).
- Compatible devices shown here are current as of the time of printing. Additional compatible devices may become available at a later date.

**Note about power connections**

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**AC adaptor connection**

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

### Registering the backup battery

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

Register each of your backup batteries to the hub if you want to receive notifications in the event of a power outage.

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

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### Using registration buttons

- 1 Hub:**  
Press and hold **[••)C OTHER DEVICE]** until the LED indicator blinks slowly in green.
- 2 Backup battery:**  
Press and hold **[••)C]** until the LED indicator blinks slowly in green (page 10).
  - When registration is complete, the hub sounds one long beep.

#### Note:

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

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### Using the app

When you register the backup battery by using the **[Home Network]** app, you can assign a name to the backup battery and turn its power outage notification feature on and off. For more information, refer to the User's Guide (page 15).

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

Some of the features that are available when using the [Home Network] app are listed below. For more information, refer to the User's Guide.

### – Device management

You can use the app to change the backup battery's name.

### – Notifications

The [Home Network] app can receive notifications in the event of a power outage and when power has been restored. You can also use the app to configure the hub to call a pre-programmed phone number and notify you of the power outage by phone.

- 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/)

## 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:

- Microsoft® Windows® Internet Explorer® 8 and earlier versions are not supported.

# Specifications

- **Standards**  
DECT (Digital Enhanced Cordless Telecommunications)
  - **Frequency range**  
1.88 GHz – 1.90 GHz
  - **RF transmission power**  
Approx. 10 mW (average power per channel)  
250 mW (max.)
  - **Power source**  
220 – 240 V AC, 50/60 Hz\*1  
Lithium Ion (Li-Ion) type battery (1 × 3.7 V, 1,450 mAh)
  - **Operating conditions**  
5 °C – 40 °C
  - **Dimensions (height × width × depth)**  
Approx. 115 mm × 71 mm × 25 mm
  - **Mass (weight)**  
Approx. 123 g
- \*1 When using the AC adaptor supplied with the backup device.







### **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 on the rear of the unit)	
Name and address of dealer	

Attach your purchase receipt here.

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