

# Panasonic®

## Installation Guide

### Home Network System Backup Battery

Model No. **KX-HNP100**

#### 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 12).

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 12).

Printed in China

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## Accessory information

### Supplied accessories

No.	Accessory item/Part number	Quantity
①	Rechargeable battery	1

### Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information (page 16).

Accessory item	Model no./Specifications
Rechargeable battery	KX-PRA10EX* <sup>1</sup> <ul style="list-style-type: none"><li>To order, please visit <a href="http://www.panasonic.com/batterystore">www.panasonic.com/batterystore</a></li></ul>
	Battery type: <ul style="list-style-type: none"><li>Lithium Ion (Li-Ion) type battery</li></ul>

\*<sup>1</sup> The replacement battery may have a different capacity from that of the supplied battery.

## 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.
- Unplug 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 us at [www.panasonic.com/contactinfo](http://www.panasonic.com/contactinfo)
- Unplug 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.

##### 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.

##### 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 authorized service center.

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

## Important Information

### 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.

### 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 ⊕ 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

#### 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 (3 feet) from a child's crib and out of the reach of small children.

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

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

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

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## Important Information

material to overheat and cause burns.

- Do not put any conductive materials such as coins or hairpins onto the charge contacts. This can result in the risk of overheating.

## Important safety instructions

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

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

### SAVE THESE INSTRUCTIONS

## For best performance

### Hub location/avoiding noise

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

- For maximum coverage and noise-free communications, place your hub:
  - at a convenient, high, and central location with no obstructions

between the product and hub in an indoor environment.

- away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the hub on a bay window or near a window.)
- If the reception for a hub location is not satisfactory, move the hub to another location for better reception.

### Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C (41 °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.

## Important Information

### 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 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 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。

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

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## Setup

### Part names and functions

- 1 **[•]C**  
Used to register the backup battery to the hub.
- 2 LED indicator
- 3 Power supply plug
- 4 DC jack

### LED indicator

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

Indicator	Status
Green, lit	Normal operation (when charging is fully complete)
Green, blinking	Registration mode (you pressed and held <b>[•]C</b> )
Red, blinking slowly	Backup battery is not registered to a hub
Red, blinking	Backup battery is out of range of the hub*1
Amber, lit	Battery charging
Amber, blinking	Power failure detected
Off	Low battery

\*1 The LED indicator does not indicate sensor status if the backup battery has not been registered (page 10).

#### Note:

- When the battery operating time seems to be shorter, even after I fully charged the battery:
  - Clean the battery ends (+, -) and the charge contacts with a dry cloth and charge again.
  - It is time to replace the battery.

### Backup battery performance (when using the supplied 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 failure.

Compatible devices*1	Operating time
HUB (KX-HNB600)	Approx. 1.5 hours (standby, connected to 4 cameras, not connected to a Wi-Fi network)
Indoor Camera (KX-HNC200)	Approx. 1.8 hours (standby, night view mode)
Outdoor Camera (KX-HNC600)	Approx. 1.6 hours (standby, night view mode)
Indoor Siren (KX-HNS105)	Approx. 8 hours (standby)

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



\*1 The corresponding models are subject to change without notice.

### 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 failure.

#### 3 Connections

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

#### 4 Registration

Required only if the backup battery was purchased separately (i.e., not as part of a bundle).

#### 5 Confirm the usage area

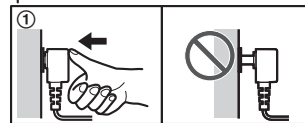
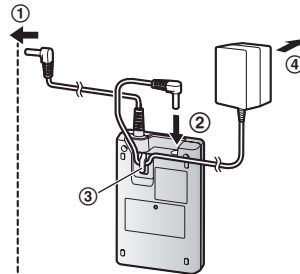
Read the information in this document to confirm that the desired usage area is suitable to proper operation.

### 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 on the battery cover firmly.
- 2 Slide it in the direction of the arrow.
- 3 Insert the battery.
- 4 Close the battery cover.

### Connections



- 1 Insert the power supply plug firmly into the DC jack of the compatible device.
- 2 Connect the AC adaptor plug to the backup battery.

## Setup

- ③ Secure the AC adaptor cord by wrapping it around the hook.
- ④ Connect the AC adaptor to the power outlet.

### Note:

- Use only the supplied Panasonic AC adaptor PNLV236.
- It takes about ten hours to fully charge the battery.
- The LED indicator lights in amber while the battery is charging. When charging is complete, the LED indicator lights in green (page 8).

## Note about power connections

### 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.

Before you can use the backup battery, 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 Backup battery:**  
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 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 your devices and group them by location. For more information, refer to the User's Guide (page 12).

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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:**

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

## Appendix

### 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**

You can receive notifications in the event of a power failure, when power has been restored, and when the backup battery is running low.

**Note:**

- In order to receive power failure notifications, any devices that are required to make landline calls or connect the hub to the Internet (i.e., cable telephone modem, wireless router, etc.) must have their own emergency power backup device, such as an uninterruptible power supply.


### 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.
- 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 (Digital Enhanced Cordless Telecommunications)
- **Frequency range**  
DECT: 1.92 GHz – 1.93 GHz
- **RF transmission power**  
DECT: 115 mW (max.)
- **Power source**  
120 V AC, 60 Hz  
Lithium Ion (Li-Ion) type battery (1 × 3.7 V, 1,450 mAh)
- **Operating conditions**  
5 °C – 40 °C (41 °F – 104 °F)

## 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

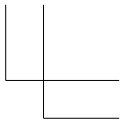
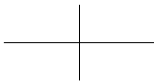
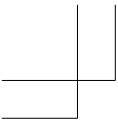
interference by one or more of the following measures:

- 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.

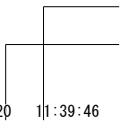
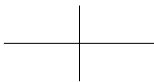
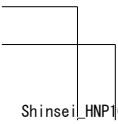
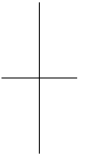
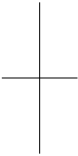


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## Appendix

**Notice:**

- FCC ID can be found inside the battery compartment or on the bottom of the 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



## 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](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.**

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

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## Appendix

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### 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.

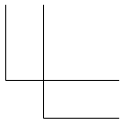
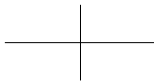
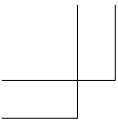
**THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY.** (As examples, this excludes damages for lost time, 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.**

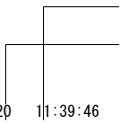
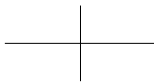
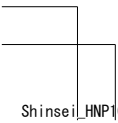
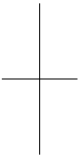
#### When you ship the product

- 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**

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## IMPORTANT!

If your product is not working properly. . .

- ① **Charge the 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 battery compartment or on the bottom of the 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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