

Panasonic[®]

Installation Guide

Home Network System Smart Plug

Model No. **KX-HNA101**



Thank you for purchasing a Panasonic product.

This document explains how to install the smart plug properly.
For details about how to use the system, refer to the User's Guide
(page 9).

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

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

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

Printed in China

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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.
- This system's wireless features can be affected by various conditions that could interfere with wireless communications, and as such, functionality in any or 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 overload power outlets. This can result in the risk of fire or electric shock.
- Completely insert the product into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the product by pulling it from

the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.

- 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
- 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.
- Before connecting an electric device to this product, make sure the electric device meets the specifications described on page 10. Using unspecified devices may cause fire or smoke.

Installation

- Install this product in accordance with the provided instructions.
- 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.
- Panasonic will not be held responsible for damage or injury

Important Information

caused by improper connection, installation, or usage.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- 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.
- Use this product to supply power only to devices which can be operated safely remotely. Do not connect the following.
 - Cooking appliances, irons, or other devices that generate a large amount of heat. There is a risk of fire, burns, and injury.
 - Power tools, electric machinery, or other devices that could cause injury and therefore must be used under direct, careful observation.
 - Heating or cooling devices, or any type of device which could cause health risks, particular to the elderly or to small children, and therefore should be used only when usage conditions can be confirmed.
 - Medical devices. This product is not intended to be used when providing medical care.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. DECT features operate between 1.92 GHz and

1.93 GHz with a peak transmission power of 115 mW.

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

CAUTION

Installation and location

- Never install the product during a lightning storm.

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.

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.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- 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). Damp basements should also be avoided.

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

Other information

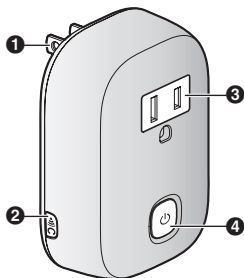
Routine care

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

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。

Part names and functions



- 1 Power plug**
- 2** **【••】C**
Used when registering the smart plug to the hub.
- 3 Power outlet**
- 4** **【⏻】 (on/off)**
LED indicator
Turns the connected device on and off. Also serves as the LED indicator.

LED indicator

You can use the LED indicator to confirm the smart plug's status.

Indicator	Status
Off	No power, smart plug is off, or LED indicator is turned off ¹
Green, lit	Smart plug is on ¹
Green, blinking	Registration mode

Indicator	Status
Red, blinking	Smart plug is out of range of the hub
Red, blinking quickly	Connected electric device is drawing too much current or wattage ²

- *1 You can configure the smart plug so that its LED indicator does not light during normal operation. For more information, refer to the User's Guide (page 9).
- *2 In this case, the smart plug will turn off automatically. To turn the smart plug on again, disconnect it from the power outlet, disconnect the connected electric device, and then connect the smart plug to the power outlet.

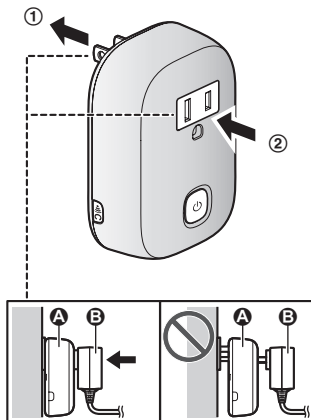
Setup overview

- 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 Connection**
Connect the smart plug to the power outlet and connect the desired electric device to the smart plug.
- 3 Registration**
Required only if the smart plug 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 usage area is suitable to proper operation.

Connections

- 1 Firmly insert the smart plug (A) into the power outlet.
- 2 Firmly insert the AC plug of the desired electric device (B) into the smart plug.



Note:

- You can turn the power supplied to the smart plug's power outlet on and off by pressing [⏻].

Note about connections

- The smart plug should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the smart plug to a ceiling-mounted AC outlet, as the

weight of the smart plug may cause it to become disconnected.

- If the electric device connected to the smart plug draws more than 10 A or 1,200 W of power, the smart plug will turn off automatically.
- In the event of a power failure, the smart plug may not turn back on after power is restored. For this reason, connecting refrigerators or other devices that require constant power supply should not be connected to the smart plug.
- After connecting an electric device to the smart plug, make sure the smart plug is firmly connected to the power outlet.

Registering the smart plug

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

Before you can use the smart plug, 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 Smart plug:**
Press and hold **[••]C** until the LED indicator blinks in green (page 6).
 - When registration is complete, the hub sounds one long beep.

Note:

- To cancel the registration, press the registration button on the hub and on the smart plug.
- If registration fails, the hub sounds several short beeps.

Using the app

When you register the smart plug 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 9).

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.

Testing the smart plug

After you have installed the **[Home Network]** app on your mobile device, you can use your mobile device to turn the smart plug on and off. For more information, refer to the User's Guide (page 9).

- 1 From the **[Home Network]** app home screen, tap **[Plug]**.
- 2 Select the **[Individual]** tab.
- 3 Tap the desired smart plug icon.
 - Confirm that the selected smart plug turns on and off when you tap its icon.

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.

- **Remote power on/off**
You can turn the electric device on and off remotely, even when away from home.
- **Sensor integration**
You can configure the system to turn the electric device on when a sensor is triggered. (Sensor required.)
- **Timer on/off**
You can configure a timer to turn the electric device on and off at the desired times.
- **Overcurrent notification**
The smart plug can detect the current supplied to the connected

electric device. If overcurrent is detected, the smart plug sends a notification to the **[Home Network]** app.

Accessing the User's Guide

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

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

Note:

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



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

Specifications

- **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**
120 V AC, 60 Hz
- **Power consumption**
Standby: 0.5 W
Maximum: 1.1 W
- **Operating conditions**
0 °C – 40 °C (32 °F – 104 °F)
20% – 80% relative air humidity (dry)
- **Maximum wattage**
Approx. 1,200 W
- **Maximum current**
Approx. 10 A
- **Dimensions**
Approx. 94 mm × 64 mm × 35 mm
(3 11/16 inches × 2 17/32 inches × 1 3/8 inches), excluding the pins
- **Mass (weight)**
Approx. 140 g (0.31 lb)

Note:

- 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.

FCC and other information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

CAUTION:

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

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs.

To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce or eliminate interference.

FCC RF Exposure Warning:

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

Appendix

Notice:

- FCC ID can be found on the rear of the unit.

Customer services

Customer Services Directory (United States and Puerto Rico)

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

www.panasonic.com/support

or, contact us via the web at:

www.panasonic.com/contactinfo

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

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

Accessory Purchases (United States and Puerto Rico)

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

www.pstc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

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

Panasonic National Parts Center

20421 84th Avenue S., Kent, WA 98032

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

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

Warranty (For United States and Puerto Rico)

Panasonic Home Network System Products Limited Warranty

Limited Warranty Coverage

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

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

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

Mail-In Service--Online

Online Repair Request

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

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

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

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

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 **Disconnect and reconnect the smart plug.**
- ② Use the **Home Network app** to access the **User's Guide** and refer to the **Troubleshooting** section.



Visit our Web site: www.panasonic.com/support

●FAQ and troubleshooting hints are available.

For your future reference

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

Serial No.	Date of purchase
(found on the rear 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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