

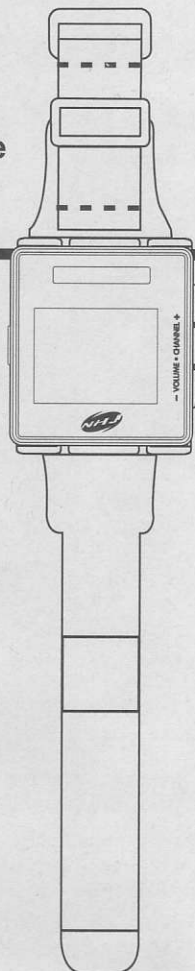
**Wristwatch-size Portable Television**  
**VTV-101**

**Owner's Manual**

Thank you for purchasing this product.

Be sure to read this Owner's Manual carefully before using this product, to ensure correct and easy use.

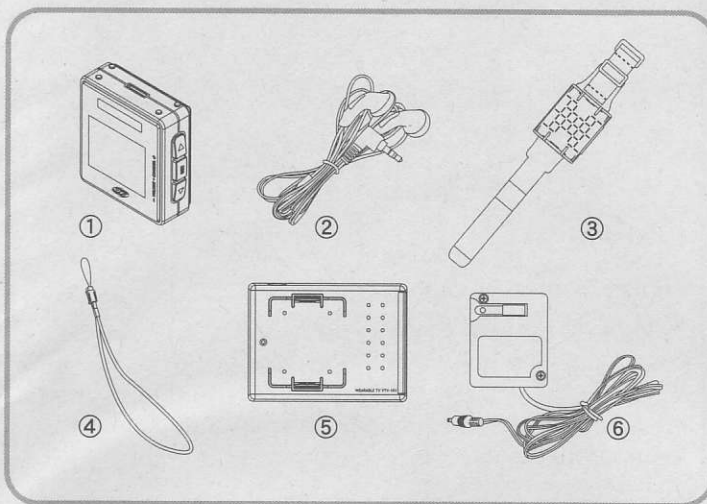
Keep this Owner's Manual in a safe location for future reference.



**Contents**

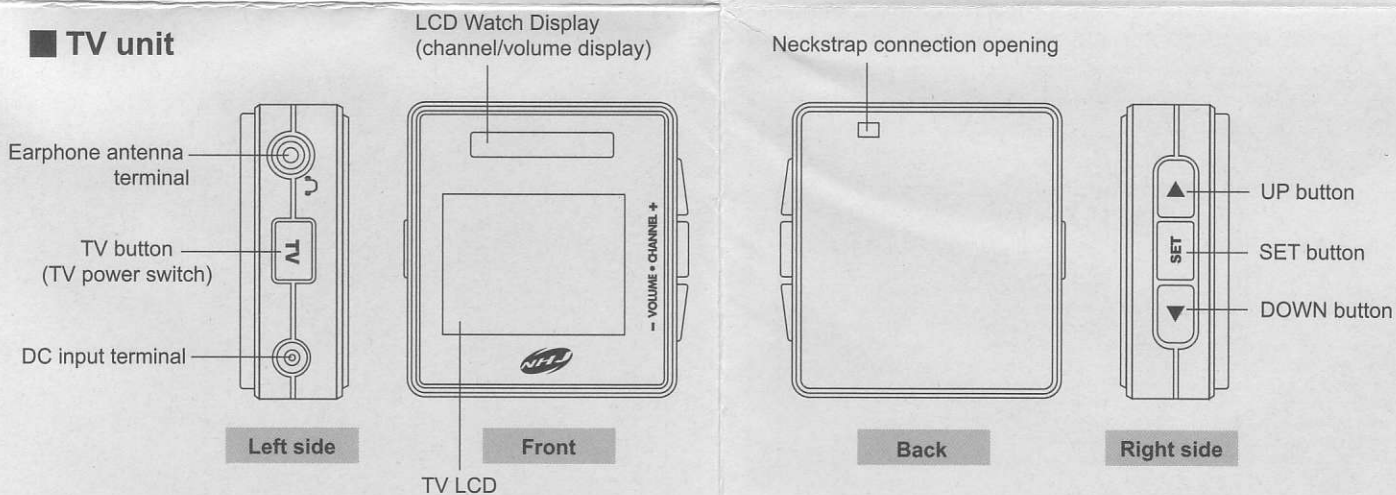
Check the contents of the package before using this product.

- ① TV Unit
- ② Earphone Antenna
- ③ Wristband
- ④ Neckstrap
- ⑤ External Battery Case
- ⑥ AC Adapter
- Owner's Manual  Warranty Registration Card/Questionnaire



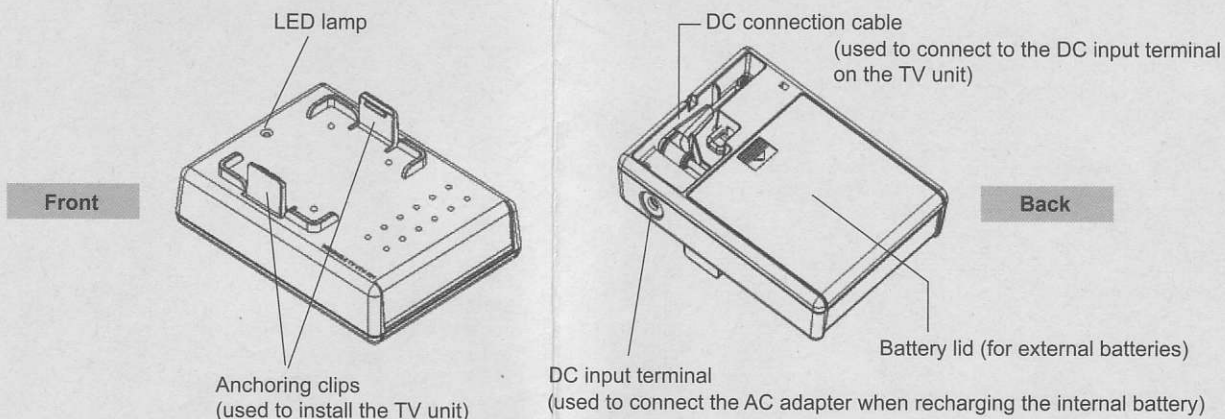
**Part names**

**TV unit**



**External battery case**

Alkaline batteries (not included) can be inserted in the external battery case to power the unit. It can also be used to recharge the internal battery (when the TV is off).



## Introduction

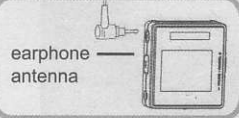
Recharge the battery before using this product.  
The battery is recharged in approximately 90 minutes.

### Turning the power on and off

To turn the power on, press and hold (for approximately 2 seconds) the **TV** button on the side of the unit. The power is turned off in the same way.

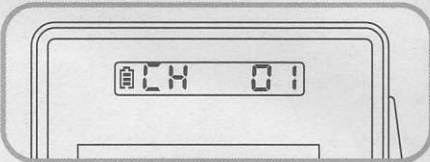
## Watching the TV

To watch the TV, press and hold the **TV** button to turn the power on.



### Setting channels: Tuning Mode

After purchasing this product, the channel is set to CH 1 when the power is first turned on.



Channel display (example)  
Tuning Mode

#### 1. Manual tuning

Press the **SET** button to display the channel you are watching. If either the **UP** or **DOWN** button is then pressed within 5 seconds, the channel changes by 1 in the appropriate direction.

\* The TV can receive channels 1 through 62.

\* If the **UP** button is pressed on channel 62, the TV changes to channel 1. If the **DOWN** button is pressed on channel 1, the TV changes to channel 62.

#### 2. Auto tuning

While the channel is displayed, press and hold either the **UP** or **DOWN** button to perform auto tuning. The TV will automatically stop at the next channel it can receive.

\* To continue using the auto tuning function after a channel has been received, press and hold the **UP** or **DOWN** button again within 5 seconds.

\* If no channels can be received during auto tuning, the auto tuning function will come to a stop after cycling through all channels (1 through 62).

\* Tuning Mode changes back to time display if no buttons are pressed within 5 seconds after the tuning function has come to a stop.

### Cautions Regarding Broadcast Signals and the TV Display

\* **The earphone on this product acts as the antenna for receiving broadcast signals.**

\* If you wind the earphone antenna up while using it, it will not be able to receive broadcast signals. If the video becomes unclear, you should try straightening the earphone antenna cord, or changing the direction in which the product is facing.

\* Reception may be adversely affected or completely prevented due to long distance from broadcast stations, proximity to buildings or mountains, underground areas, and other locations. As a result, video and audio may not be clear.

\* While traveling in a car, on a train, or other means of transportation, the TV may have difficulty receiving broadcast signals. As a result, video and audio may not be clear.

\* The TV display may be difficult to see on days when the sunlight is particularly bright.

### Adjusting the volume

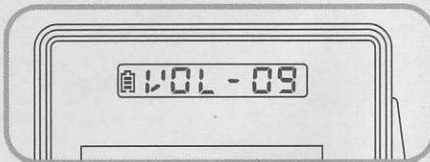
The volume can be adjusted when time is displayed or the volume indicator is on.

1. Press and hold either the **UP** or **DOWN** button.

2. The volume indicator is displayed on the clock LCD. Press either the **UP** button (to increase volume) or the **DOWN** button (to decrease volume). You can press and hold either button for rapid volume.

\* If the volume is not adjusted within 5 seconds after the volume indicator is displayed, the LCD returns to the clock display. However, the volume indicator will continue to be displayed as long as a button is pressed and held.

Volume indicator (example)



## Setting the date and time

### Setting the date and time

The date and time are set while the TV is turned off.

1. First, set the date. Press and hold the **SET** button.

2. The "Year" display flashes. Press the **UP** and **DOWN** buttons to set the correct year, and then press the **SET** button.

04.0 1.0 1  
Year Month Day

3. Next, set the month.

Follow the same procedure as above to set the month and day.

4. Next, set the time.

Follow the same procedure as above to set the time.

AM 12:00

To view the date, press the SET button while the TV is off. The date is displayed for approximately 3 seconds, and then the display automatically returns to the watch.

When the setting is complete, the colon (:) begins to flash. If the colon does not flash, the watch has not been set. Perform the setting procedure again from the start.

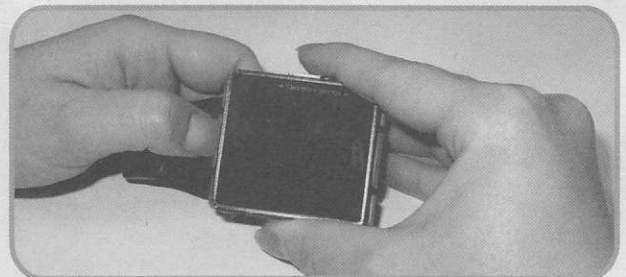
### Resetting the unit

If the TV does not respond when the buttons are pressed, or if the watch is not displayed, press and hold the **UP** and **DOWN** buttons simultaneously.

\* After the unit is reset, the date and time will return to their default values. These settings will need to be made again.

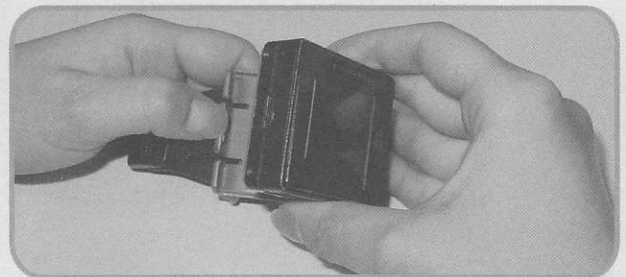
### Removing the unit from the wristband

1. Insert your fingernail in the edge of the holding clip where the unit is connected to the wristband.



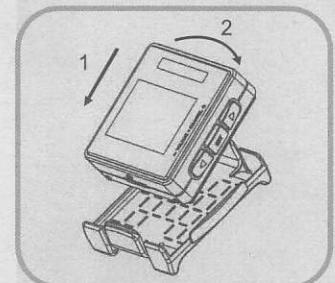
2. With your fingernail in the slot, lift the unit.

\* Be careful not to pull too strongly on the unit. Doing so could damage it.



3. Arrow 1: Insert the TV unit into the wristband-docking unit until the clip is landed on the TV unit slot.

Arrow 2: Bring the TV unit down to the wristband-docking unit until it clips in the slot and is completely locked to the wristband-docking unit.

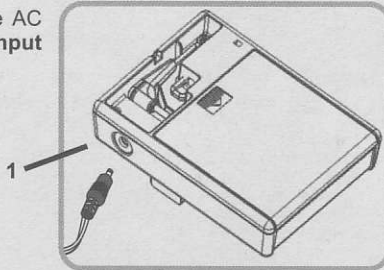


## Recharging the internal battery

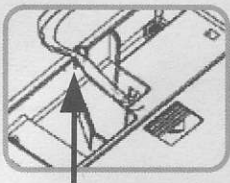
[Items used: TV unit + AC adapter + external battery case]

\* Use the same procedure to watch the TV using the AC adapter.

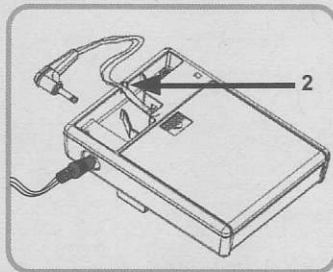
1. Insert the plug from the AC adapter into the **DC input terminal**.



2. Pull out the **DC connection cable** and clip it into the anchoring rib as shown in the figures.



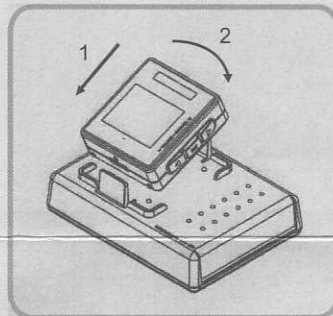
Anchoring Rib



3. Press the **anchoring clip** on one side to unclip to open it while installing the TV unit.

Arrow 1: Dock first the lower side of the TV unit to land it onto the AC adapter case.

Arrow 2: Doc the upper side of the TV unit to perfectly clip it onto the AC adapter case.



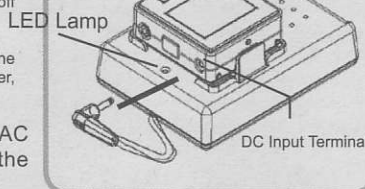
\* Be careful when installing the unit, to prevent damaging it.

4. Plug the **DC connection cable** into the DC input terminal on the TV unit.

The LED lamp stays on while the battery is recharging, and goes off when recharging is complete.

When the TV unit is on and at the time it is docked to the AC adapter, the LED lamp is turned on.

5. Connect the electric AC adapter plug into the external battery case unit.



## Cautions when using the external battery case

- \* Do not place batteries in the external battery case while recharging the internal TV unit battery or while watching TV by using the AC adapter.
- \* You can not recharge the internal battery while watching the TV.
- \* You can not recharge any rechargeable batteries by placing them in the external battery case and connecting the AC adapter.
- \* Alkaline batteries are recommended when using batteries in the external battery case. Although the rechargeable batteries can be used, they may not satisfy the unit's power requirements. No other types of batteries should be used.

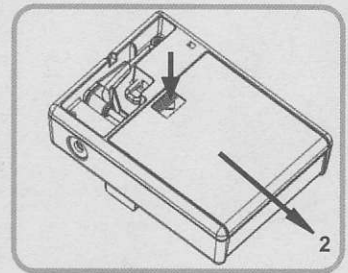
## Using batteries to watch TV

[Items used: TV unit + external battery case + batteries]

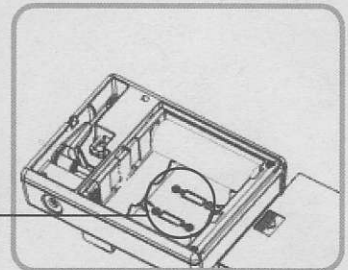
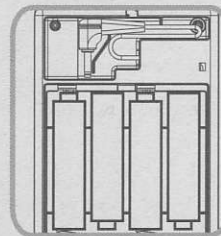
Use 4 AA alkaline batteries.

1. Press the battery lid in the direction of Arrow 1 in the figure.

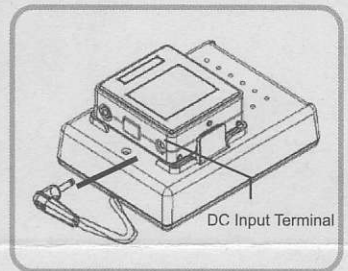
2. Slide the battery lid in the direction of Arrow 2.



3. Place the AA batteries inside, being careful that they are facing in the correct directions.



4. Install the TV unit on the external battery case, and then insert the **DC connection cable** into the DC input terminal on the TV unit.



\* If the internal battery is dead, it will be recharged by the batteries in the external battery case. (Approximately 90 minutes is required for recharging.)

## Troubleshooting

If you believe the unit is malfunctioning, try the following inspections.

Problem	Cause	Solution
The power does not come on.	You did not press and hold the button.	Press and hold the TV button for approximately 2 seconds.
	The batteries have died.	Recharge the internal battery. Also, replace the batteries in the external battery case.
The power comes on, but immediately goes off.	The batteries have died.	Recharge the internal battery. Also, replace the batteries in the external battery case.
The buttons do not respond.	—————	Perform the "reset" procedure. (Press and hold the [UP] and [DOWN] buttons simultaneously for approximately 2 seconds.)
The TV picture is not displayed. (Static is displayed on the screen.)	The reception conditions are poor.	Make sure the earphone antenna is securely plugged in.  Broadcast waves cannot be received if the earphone antenna is rolled up. Try straightening the cord. Also, try changing the channel, moving to a different location where the reception is better, and changing the direction in which the unit is facing.
	The earphone antenna is not securely plugged in.	Make sure the earphone antenna is securely plugged in.
The TV audio is not audible.	The volume has been turned down.	Press the [UP] button to increase the volume.
	The unit is not in Tuning Mode.	If the channel is not displayed on the watch LCD, press the [SET] button. Once the channel number is displayed, you can change the channel.
The channel cannot be changed.	The upper display is in Channel mode.	Press the [SET] button and the Time Display window will appear. You will be able to change the volume by pressing either [UP] or [DOWN] button.
The volume cannot be changed.	The date and time have not been set.	Please complete the entire settings including year, month, day and time settings. After that, the color sign begins to flash, which indicated that the time is already running.
The watch does not advance.	The batteries have died.	Recharge the internal battery.
The watch is not displayed.	—————	Perform the "reset" procedure. (Press and hold the [UP] and [DOWN] buttons simultaneously for approximately 2 seconds.)

## Using this product safely

Be sure to read this before using this product.

The following information is important for using this product correctly and safely. Be sure to carefully read and follow these guidelines.



### DANGER

This indicates an imminently hazardous situation that could lead to serious injury if the product is used incorrectly.



### WARNING

This indicates a potentially hazardous situation that could lead to serious injury if the product is not used incorrectly.



### CAUTION

This indicates a potentially hazardous situation that could lead to mild or moderate injury or damage to equipment if the product is not used correctly.



### DANGER

- Do not wrap the cables included with this product around your neck.

Doing so could obstruct breathing. Do not leave cables in areas where they are accessible to small children.

- You cannot replace the internal battery in this product. Do not attempt to disassemble, modify, or repair this product yourself.

Doing so could result in a malfunction of the unit, or cause electrical shock, overheating, fire or injury. In addition, this product contains tiny precision parts that could be ingested by small children. DO NOT disassemble this product.



### WARNING

#### Using this product

- Avoid bringing this unit into contact with water, or using/storing it in locations with extremely high humidity or dust content.

If water or dust get inside this product, it could result in electrical shock, unit malfunction, or fire.

- Do not use this product while walking or operating a vehicle. Also, do not increase the volume to the point where you cannot hear the environment around you.

Doing so could result in an accident.

- If a foreign object such as metal fragments, water, or other fluid should get inside the unit, unplug the AC adapter from the power outlet. Call our support center for assistance.

#### Using the AC adapter

\* Be sure to observe the following. Failure to do so could result in fire or electrical shock.

- The use of any other AC adapter could result in fire or an accident.

- Use the included AC adapter when recharging the battery. Do not use this adapter with any other product.

- Do not get the AC adapter wet from water or any other fluid. Also, do not plug it in with wet hands.

- Do not subject the AC adapter to strong impact. Do not throw the AC adapter.

- Plug the AC adapter directly into the power outlet. Using adapters and extension cords could result in overheating and fire.

- Do not insert needles or other metal objects into the AC adapter.

- Do not pull on the cord when unplugging the AC adapter. Be sure to grasp the plug.

- Do not use the AC adapter at any voltage other than that indicated (100V).

- If an abnormality such as overheating, smoke, or odor occurs while using this product, immediately unplug the AC adapter.

- Do not damage or make adjustments to the cords. Also, do not place heavy objects on the cords, pull them, or bend them excessively.

- After recharging is complete, unplug the AC adapter from the power outlet.

- If lightning occurs, immediately unplug the AC adapter from the power outlet.

#### Using batteries

- Insert batteries in the correct + and - directions.

- Do not overheat or disassemble the batteries, or place them in fire or water.

- Do not subject the batteries to strong impact or violence.

Leakage, damage, fire, or overheating in the batteries could result in fire or serious injury.

- When replacing batteries, replace all 4 with the same type of new battery. Do not mix battery types or use both new and old batteries.

- If an abnormality such as leakage, changes in color, or changes in shape occurs in the batteries, stop using them immediately.

- Battery life may vary according to the type and brand of battery used. Even for the same brand, battery life may vary according to the recommended period of use and usage conditions. Some batteries may not satisfy the power requirements for this product's specifications.

- Use AA alkaline batteries with this product. Do not use manganese batteries.

\*AA alkaline batteries are recommended for this product. If you use AA rechargeable batteries, be sure to first carefully read the instructions that come with the batteries.

Do not use any batteries other than those indicated above.

- If the VTV-101 is not used for a long period of time, please take off the four batteries.



### CAUTION

#### Using this product

- Do not subject the display to strong pressure, strong impact, or hard objects. Doing so could make scratches or cause it to break.

- When carrying this product, be careful to avoid contact or impact against the unit.

- Do not drop the unit or subject it to strong impact. Doing so could result in malfunction or damage.

- Don't touch the earphone antenna terminal nor the DC input terminal of the VTV-101 TV unit. Also, don't touch the DC input terminal of the external battery case.

#### Other

- Be careful when setting the volume. An unexpectedly loud volume could cause damage to your ears.

- When using the strap to carry this product, be careful to avoid getting it caught on or impacting against other objects.

#### Usage/storage environment

- Do not place this product inside vehicles in sunlight, in areas subject to direct sunlight, or near heating devices.

Doing so could result in malformation and malfunction due to high temperature.

- This product is not waterproof. Avoid using or storing it in areas with moisture.

- Do not place this product near strong magnets.

Doing so could result in malfunction.

- Avoid using or storing this product in areas with lots of dust or high humidity. Doing so could result in malfunction.

\* Observe the following. Failure to do so could result in fire or electrical shock.

- Use this product at an ambient temperature of 5 to 35°C, and an ambient humidity of 20 to 80%.

- Do not use this product in areas where it is subject to direct sunlight.

- Do not place this product in a location with lots of dust.

- Do not place heavy objects on top of this product, or place it in locations where it may fall.

- Do not use this product if the power plug is damaged or does not fit securely into the power outlet.

#### Cleaning

- Use a soft, dry cloth to wipe this product. Do not use alcohol, benzene, or similar agent. Doing so could result in changes to color or other properties.

## Primary Specifications

Classification	Item	Rating
TV Unit	Reception channels	VHF: channels 2 - 13 UHF: channels 14 - 69
	Tuning	PLL synthesizer tuner (manual/auto tuning)
	Audio	Monaural
	Antenna	Earphone antenna
	Input terminals	Battery charger connection terminal
	Output terminals	Earphone terminal
LCD	Monitor	Low-radiation TFT LCD monitor
	Display size	1.5 inch 29.5mm (w) x 22.2mm (h)
	Display technology	Active matrix
	Number of pixels	61,600 pixels (280 x 220 pixels)
Watch Function	Display	6-digit, 7-segment, reflective TN liquid crystal with battery indicator Time, date, channel, and volume display selection
	Battery type	550mAh lithium polymer rechargeable battery
Power Supply (Internal Battery)	DC input	DC5V
	DC output	DC4.2V / 550mA maximum
	Power consumption	Approximately 2W
	Battery duration	Approximately 1 hour maximum
	Recharge time	Approximately 90 minutes
	Battery type	4 AA alkaline batteries (not included)
Power Supply (External Battery)	Battery duration	Approx. 1 hour when internal battery is dead / Approx. 3 hours when internal battery is fully charged
	Dimensions	45.7mm (w) x 49.4mm (h) x 18.2mm (d) (not including the wristband socket)
Case	Mass	Approximately 55g (not including accessories)
	Ambient temperature	5°C to 35°C
Environment	Ambient humidity	20 to 80%

## After-sales service

### 1. Warranty card information

A warranty card is included with this product. When you purchase this product, be sure to have the store fill in the "Date purchased" and "Retail store stamp" locations on the warranty card. New warranty cards will not be issued, so it should be stored in a safe location. Read the warranty card for information regarding the warranty period.

### 2. Before requesting repairs

Carefully read the troubleshooting section of this Owner's Manual, as well as the FAQs on our website. If you are still unable to solve the problem, contact the NHJ Support Center for assistance.

**Inquiries and support services regarding this product are not available outside of USA.**

**This product was manufactured according to USA specifications. It should not be used in countries or regions with different standards.**

### NHJ Support Center (Toll-free Technical Support)

1-888-8NHJ-USA (1-888-8645-872) E-mail: [technicalsupport@nhjapan.com](mailto:technicalsupport@nhjapan.com)

Website: <http://www.nhjapan.com>

We are unable to answer the phones during long vacation periods, such as during the holidays at the end and beginning of the year. Also, if our lines are busy when you call, please try calling again in a few minutes.

\* This product is designed for personal use. It is not designed for commercial use.

\* Avoid using this product for any application that requires high precision beyond that of general electrical appliances.

\* If strong pressure is applied to the display or the area around the display, a portion of the screen will become dark for a moment. This is normal, and does not indicate damage.

\* NHJ Limited shall not be liable for any incidental damage (suspension or loss of business) due to the use or misuse of this product.

\* This Owner's Manual may not be reproduced or transmitted without prior consent.

\* NHJ Limited is continuously making improvements to its products. Therefore, there may be some variations between this products and others of the same model, depending on when it was purchased.

\* The image on the package was designed to demonstrate the functions of the product. The appearance of the actual product may differ slightly.

\* The color of the actual product may differ slightly from the printed image.

\* The content of this Owner's Manual may be modified without notification.



**NHJ LIMITED**  
TOKYO JAPAN

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