# **Panasonic**

Basic Owner's Manual Digital Wireless Stereo Headphones

Model No. RP-HD805N



Thank you for purchasing this product. Please read these instructions carefully before using this product, and save this manual for future use.

Register online at http://shop.panasonic.com/support

If you have any questions, visit: http://shop.pana onic.com/support





Qualcomm<sup>®</sup> aptX™HD

IMPORTANT SAFETY

Read these operating instructions carefully before using the unit.

Do not block any ventilation openings. Install in accordance

8 Do not install near any heat sources such as radiators, heat

Do not defeat the safety purpose of the polarized or

registers, stoves, or other apparatus (including amplifiers) that

grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades

and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit

into your outlet, consult an electrician for replacement of the

particularly at plugs, convenience receptacles, and the point

14 Refer all servicing to qualified service personnel. Servicing is

such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the

apparatus has been exposed to rain or moisture, does not

required when the apparatus has been damaged in any way,

10 Protect the power cord from being walked on or pinched

Follow the safety instructions on the unit and the applicable

safety instructions listed below. Keep these operating instructions handy for future reference.

INSTRUCTIONS

Read these instructions.

Keep these instructions

Do not use this apparatus near water. Clean only with dry cloth.

with the manufacturer's instructions.

where they exit from the apparatus. 11 Only use attachments/accessories specified by the

12 Use only with the cart, stand, tripod,

bracket, or table specified by the

avoid injury from tip-over.

manufacturer, or sold with the apparatus

moving the cart/apparatus combination to

storms or when unused for long periods of

operate normally, or has been dropped

When a cart is used, use caution when

Unplug this apparatus during lightnir

Follow all instructions.

Heed all warnings.

produce heat.

obsolete outlet.

manufacturer



Р

Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490 http://shop.panasonic.com

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(En)

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More detailed operating instructions are available in 'Owner's Manual (PDF format)". To read it, download it from the website.

https://panasonic.jp/support/global/ cs/accessories/oi/rp\_hd805n/ Click the desired language



## Accessories

Please check and identify the supplied accessories. To order accessories, refer to "Limited Warranty" on the

- right page. 1 x USB charging cord
- 1 x Detachable cord
- 1 x Carrying case 1 x Airplane adaptor

# Maintenance

## Clean this unit with a dry and soft cloth.

· Do not use solvents including benzine, thinner, alcohol, kitchen detergent, a chemical wiper, etc. This might cause the exterior case to be deformed or the coating to come off.

Keeping the battery performance

• During the long period of disuse, full charge this unit once every 6 months to keep the battery perfor

## Expressions used in this document

• The product illustrations may differ from the actual

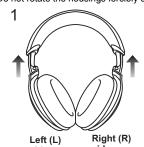


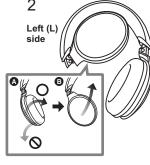
## Storage of the unit

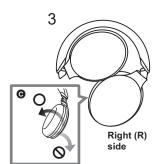
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Fold the unit as shown below when storing it in the carrying case.

• If the USB charging cord or the detachable cord (supplied) is connected, disconnect it from the unit. • Do not rotate the housings forcibly over the rotation limit.

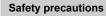






#### Store the sliders Rotate the left housing by approx. 90 ° (A) to fold it toward the headband side (B)

Rotate the right housing by approx. 90 ° (6). Store the unit in the carrying case.





A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

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

(1) This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation FCC ID: ACJ-RP-HD605N Model: RP-HD805N

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate (SAR).

#### FCC 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 car 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 FCC Caution:

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.

Supplier's Declaration of Conformity Trade Name: Panasonic Model No.: RP-HD805N

Responsible Party: Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490

Support Contact: http://shop.panasonic.com/support

#### **■** Unit

#### WARNING:

To reduce the risk of fire, electric shock or product damage, Do not expose this unit to rain, moisture, dripping or

- Do not place objects filled with liquids, such as vases.
- Use the recommended accessories.
- Do not remove covers.
  Do not repair this unit by yourself. Refer servicing to qualified service personnel.
- Avoid using or placing this unit near sources of heat. Do not use while operating a motorized vehicle. It may create a
- traffic hazard and is illegal in many areas. Do not listen with this unit at high volume in places where you need to hear sounds from the surrounding environment for
- safety, such as at railroad crossings, and construction sites Keep this unit away from something susceptible to the magnetism. Such devices as a clock may not operate correctly
- When using this unit in an airplane, heed the instructions given by the airline company. Some airlines may forbid your using the unit. For further details, contact the airline you will be flying with.

## ■ Allergies

- Discontinue use if you experience discomfort with the ear pads
- or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile

Keep the airplane adaptor out of reach of children to prevent

Conforms to UL STD 60065

Use only the supplied USB charging cord when connecting to

The serial number of this product can be found on the left side of the headphones. Remove the left ear pad to see it.

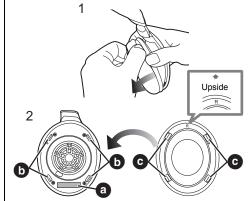
Please note them in the space provided below and keep for future reference. MODEL NUMBER RP-HD805N

SERIAL NUMBER

## User memo

DATE OF PURCHASE **DEALER NAME** DEALER ADDRESS TELEPHONE NUMBER

Certification information (a) can be found on the right side of the headphones. Remove the right ear pad to see it. (1) To attach the ear pad, align the four tabs (6, 6), and push the ear pad in until a clicking sound is heard to lock it into place. (2)



### **Limited Warranty**

#### **Panasonic 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 ("warranty period"), at its option either (a) repair your product with new or refurbished parts, (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.

Product or Part Name	Parts	Labor
Headphones/ Earphones/Headset	1 year	Not Applicable
All included Accessories	90 days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service--Online Repair Request

#### Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at

http://shop.panasonic.com/support

When shipping the unit, carefully pack, include all supplied accessories listed in the Owner's Manual, and send it prepaid, adequately insured and packed well in a carton box. When shipping Lithium Ion batteries please visit our Web Site at

http://shop.panasonic.com/support as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE 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 warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The 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, 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

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 WARRANTY.

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but 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 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 warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to:

> Panasonic Corporation of North America Consumer Affairs Department 8th Fl. Two Riverfront Plaza Newark NJ 07102-5490

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR

## **Shop Accessories!**

for all your Panasonic gear Go to

http://shop.panasonic.com/support Get everything you need to get the most out of

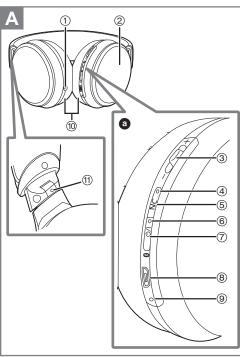
your Panasonic products Accessories & Parts for your Camera, Phone, A/V products, TV, Computers & Networking, Personal Care, Home Appliances, Headphones, Batteries,

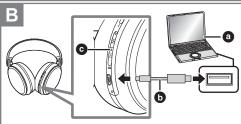
### Backup Chargers & more.. Customer Services Directory

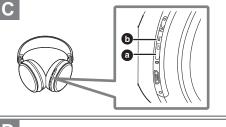
For Product Information, Operating Assistance, Parts, Owner's Manuals, Dealer and Service info go to http://shop.panasonic.com/support

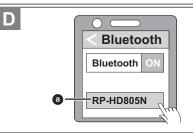
For the hearing or speech impaired TTY: 1-877-833-8855

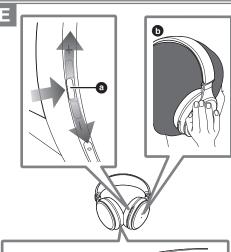
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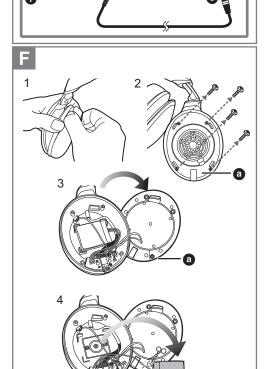












#### Part names

- a Right (R) side
- Audio input terminal
- Ambient sound enhancer sensor panel
- [Multiple functions button] ④ Noise cancelling LED
- [NC] button ⑥ Power/pairing LED
  [ᠿ/I (�)] button\* ⑧ Charging terminal (DC IN)
  Microphone ⑩ Ear pad
- n Raised dot indicating the left side \* (l)/I: Standby/ON

#### B Charging

The rechargeable battery (installed in the unit) is not charged initially. Charge the battery before using the unit.

#### Connect this unit to a computer (a) using the USB charging cord (supplied) (b).

- The power/pairing LED (③) lights in red when charging is in progress. When charging is completed, the power/pairing LED
- Charging will take approximately 4 hours from empty state to fully charged.
- Check the direction of the terminals and plug in/out straight holding onto the plug. (It may result in malfunction by the deforming of the terminal if it is plugged in obliquely or in wrong direction.)
- The power cannot be turned on while charging.
- Do not use any other USB charging cords except the supplied
- Make sure the computer is turned on and is not on standby or sleep mode.
- When the battery starts running low during use of the unit, the blinking power/pairing LED will turn from blue to red. A beep will sound every 1 minute.\* When the battery runs out, the power will turn off.
- If you press [也/I (分)] twice quickly, a guidance message will be heard and you can check the battery level.

#### Turning the power on/off

Press and hold  $\left[ \frac{1}{2} \right] \left( \frac{1}{8} \right) = 0$  of this unit for approx. 3 seconds until the power/pairing LED (blue) (6) blinks.

 A guidance message will be heard, and the power/pairing LED (blue) will blink slowly.

#### To turn the power off

Press and hold [U/I ())] for approximately 3 seconds. A guidance message will be heard, and the power will be turned off.

- If the unit is not connected to a Bluetooth<sup>®</sup> device, a guidance message will be heard and turn off the unit automatically approximately 5 minutes after you have stopped using it. (Auto power off) (Except for when noise cancelling is turned ON.)
- Auto power off does not work when the detachable cord (supplied) is connected

### D Connecting a Bluetooth® device

### ■ Bluetooth<sup>®</sup> pairing

- 1 In the power-off state, press and hold [₺/l (₺)] of this unit until the power/pairing LED blinks.
- When pairing a device for the first time.
- approx. 3 seconds When pairing a second or subsequent devices:
- approx. 5 seconds
- $\bullet$  The unit starts to search for the  $\mathsf{Bluetooth}^{\texttt{®}}$  device for connection, and the power/pairing LED will blink in blue and red alternately.
- 2 Turn on the power of the Bluetooth® device, and enable the Bluetooth® function.
- 3 Select "RP-HD805N" (a) from the Bluetooth® device's menu.
- If prompted for a passkey, input the passkey "0000 (four zeros)" of this unit. • When the power/pairing LED (blue) blinks twice every
- approx. 2 seconds, pairing (registration) is completed. (Connection established)
- If connection to a device is not established within approximately 5 minutes, the unit will be turned off. Perform pairing again. (Except for when noise cancelling is turned ON.)

## ■ Connecting a paired Bluetooth® device

Turn on this unit.

2 Perform steps 2 of "Bluetooth® pairing". (→ above) When the power/pairing LED (blue) blinks twice every

approx. 2 seconds, pairing (registration) is completed (Connection established)

## E Using the headphones

When using the functions below that are indicated with the [\*] mark, connect the Bluetooth® device and the unit.

## ■ Listening to music [\*]

Select and play the music on the Bluetooth® device. • The unit's headphones will output the music or the audio of the

video being played back.

## ■ Remote controlling (Available only if your Bluetooth® device supports "AVRCP" Bluetooth® profiles) [≱] (Operation example of [Multiple functions button] (a))

Play / Pause: Increase the volume: Press [Multiple functions button]. Slide the [Multiple functions button]

towards "+"

Sliding and holding towards "+" allows you to continuously raise

the volume.

Slide the [Multiple functions button]

towards "-" • Sliding and holding towards "-"

allows you to continuously lower the volume.

Forward to the start of next track:

Decrease the volume:

Press [Multiple functions button] twice quickly.

Return to the start of current track:

Press [Multiple functions button] three times quickly.

Fast forward:

Press the [Multiple functions button] twice quickly; hold the second

Fast rewind:

Press the [Multiple functions button] three times quickly; hold the third

• The volume can be adjusted in 31 levels (16 levels during calls). When the maximum or minimum volume is reached, a

## ■ Making a phone call [\*]

- 1 Press [Multiple functions button] (a) on the unit and answer the incoming call.
- (HFP only) To reject the incoming call, press [Multiple functions button] twice quickly.

## 2 Start talking.

3 Press [Multiple functions button] to end the phone call.

- (HFP only) It may be difficult to hear phone conversations when the unit is used in locations with loud ambient noise or in outdoor or other locations exposed to powerful winds. In that case, change the calling location or switch the calling device to the Bluetooth® enabled phone to continue the call. (Press [Multiple functions button] on the unit twice quickly to switch.)
- You can have the Bluetooth® enabled phone make phone calls by using the microphone of the unit and an app of the Bluetooth® enabled phone.
- (→ right, "Activating a voice functions"

#### Using noise cancelling

Setting noise cancelling to ON changes the volume and sound quality. The sound quality is set so that it is optimized for each mode

#### Press the [NC] button to adjust the volume of the playback device. (→ 🖪)

- The unit switches between three modes, 3, 2, and 1, each time you press the [NC] button.
- When noise cancelling is set to ON, the noise cancelling LED lights in green.
- While using the noise cancelling function, a very small amount of noise which is generated from the circuit that reduces noise may be heard, but this is normal and not indicative of any trouble. (This very-low-level noise may be heard in quiet places or in the blank parts between tracks.)

#### To switch between ON and OFF:

Press and hold [NC] button for at least 2 seconds.

### Using the ambient sound enhancer

Place your hand over the ambient sound enhancer sensor panel (R side) so that its entire surface is covered. (6)

 Noise cancelling will turn OFF temporarily and the volume of the playback sound will be lowered.

To switch this function between enabled and disabled: Slide and hold the [Multiple functions button] (ⓐ) towards "+" and at the same time press and hold [NC] for at least

### To set this function to always-on mode:

5 seconds.

- Press [NC] button twice quickly.

   To deactivate always-on mode, press the [NC] button or place
- your hand over the ambient sound enhancer sensor panel (R side) so that its entire surface is covered.
- The ambient sound enhancer works only while the unit is turned

#### ■ Activating a voice functions [\*]

You can activate Siri® or other voice functions with a button on the unit.

Press and hold [Multiple functions button] (a) of this unit for approx. 3 seconds.

## ■ Making a multi-point connection [\*]

- Register the unit to both the first Bluetooth® device and the second Bluetooth® device.
- 2 Connect the first Bluetooth® device, which will be used for music playback, and the unit.
- 3 Connect the second Bluetooth® device, which will be used for calls, and the unit.
- For more details, including more specific setup instructions, refer to the operating instructions for the Bluetooth<sup>®</sup> devices.
- Only one Bluetooth<sup>®</sup> device can be connected for music
- playback. When playing back music on an iOS device, be sure to connect the unit and that Bluetooth® device first.
- When connecting a device, such as one running an Android<sup>TM</sup> OS, exclusively for calls, disable the "A2DP" setting. (Depending on the Bluetooth® device, this setting may not be available).

#### ■ Using the detachable cord (supplied)

While the unit is turned off, it can be used as normal headphones by connecting the detachable cord (supplied).

## If you connect the detachable cord (supplied) when connected

- via Bluetooth<sup>®</sup>, the Bluetooth<sup>®</sup> connection will be lost.
   The [Multiple functions button] does not work even while the unit is turned on.
- Noise may occur due to dirt on the plug. Clean the plug with a soft dry cloth if this occurs.

  • Do not use any other detachable cords except the supplied

## To connect to an airplane audio system:

- 1 Connect the unit and the detachable cord (supplied). (a)
- 2 Connect the input plug (a) of the detachable cord (supplied) to the airplane adaptor (supplied) (19).
- 3 Connect the airplane adaptor to the in-airplane audio system  $(\mathbf{G})$

## ■ Restoring to the factory settings

- Charge the battery before restoring the unit.
- While the unit is turned off, press and hold [心/I (ひ)] for at least 5 seconds until the power/pairing LED starts blinking alternately in blue and red.
- 2 While the power/pairing LED is blinking alternately in blue and red, slide and hold the [Multiple functions button] towards "+" and at the same time press and hold  $[\rlap/\!\!\!\! \ \, ]$  for at least 5 seconds.
- The default settings will be restored after the power/pairing LED (blue) blinks fast and the unit turns off.
- When pairing a device again, delete the registering information (Device: "RP-HD805N") from the Bluetooth® device's menu, and register this unit with the Bluetooth® device again. (→ □)

#### To remove the battery when disposing of this unit

The following instructions are not intended for repairing purposes but for the disposal of this unit. This unit is not restorable once disassembled.

- When disposing of this unit, take out the battery installed in this unit and recycle it.
- · Disassemble after the battery runs out · Keep disassembled parts out of reach of children
- Regarding the handling of used batteries
- Insulate the terminals with adhesive tape or similar material. · Do not disassemble.

## ■ Batteries

- Do not heat or expose to flame. · Do not leave the battery(ies) in a car exposed to direct sunlight
- for a long period of time with doors and windows closed.
- · Battery mishandling can cause electrolyte leakage which can damage items the leaked fluid comes into contact with. If electrolyte leaks from the battery, consult your dealer. Wash thoroughly with water if electrolyte comes in contact with any part of your body.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- 1 Remove the left ear pad.
- 2 Remove the 4 screws.
- 3 Remove the part a in step 2. 4 Remove the battery, and cut off the wires one by one with

#### Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to "Customer Services" Directory" on the front page if you reside in the U.S.A.

- Make sure that the unit and the Bluetooth® device are connected
- correctly. (→ □)
   Check if music is playing on the Bluetooth® device.
- Make sure that the unit is turned on and the volume is not set too low.
   Pair and connect the Bluetooth® device and the unit again. → □ )
   Check if the Bluetooth® compatible device supports "AZDP" profile.
   For details on profiles, see "Listening to music" in "Owner's Manual (PDF format)". Also refer to the operating manual for the Bluetooth®

#### Cannot adjust the volume.

Is the ambient sound enhancer operating? Turn off the ambient sound enhancer. (→ E) Low volume.

#### • Is the ambient sound enhancer operating? Turn off the ambient

- sound enhancer. (→ E)

   Increase the volume of the unit. (→ E)
- Increase the volume on the Bluetooth® device.
- Sound from the device is cut off. / Too much noise. / Sound
- Sound may be disrupted if signals are blocked. Do not fully cover this unit with the palm of your hand, etc.

  The device may be out of the 10 m (33 ft) communication range
- Move the device closer to this unit.
- Remove any obstacle between this unit and the device
  Switch off any wireless LAN device when not in use.
- · A communication problem may arise if the battery is not fully
- If the unit and the Bluetooth® device are connected via LDAC, the problem may be solved by changing the sound quality mode on the Bluetooth<sup>®</sup> device to give priority to connection. For details, refer to the operating instructions for the Bluetooth<sup>®</sup> device.

The device cannot be connected. Delete the pairing information for this unit from the Bluetooth® device, then pair them again. (→ □)

- You cannot hear the other person.

  Make sure that the unit and the Bluetooth® enabled phone are
- turned on. Check if the unit and the Bluetooth® enabled phone are connected.
- Check the audio settings of the Bluetooth® enabled phone. Switch
- the calling device to the unit if it is set to the Bluetooth® enabled phone.  $( \rightarrow \bigcirc)$  If the volume of the other person's voice is too low, increase the

## volume of both the unit and the Bluetooth® enabled phone

Cannot make a phone call.

• Check if the Bluetooth® compatible device supports "HSP" or "HFP" profile. For details on profiles, see "Listening to music" and "Making a phone call" in "Owner's Manual (PDF format)". Also refer to the operating manual for the Bluetooth® enabled phone The unit does not respond.

## This unit can be reset when all operations are rejected. To reset the unit, connect the unit to a computer using the USB charging cord. (The pairing device information will not be deleted.) Cannot charge the unit. / The power/pairing LED blinks during charging. • Is the USB port you are currently using working properly? If your

computer has other USB ports, unplug the connector from its current port and plug it into one of the other ports.

If the measures mentioned above are not applicable, unplug the

### If the charge time and operating time become shortened, the battery may have run down. (Number of charging times of the installed battery: Approximately 300)

The power/pairing LED does not light during charging. / Charging takes longer.

• Is the USB charging cord connected firmly to the USB terminal of the

Is the unit being charged? The power cannot be turned ON during

computer? ( $\rightarrow$  B) Make sure to charge in a room temperature between 10 °C and 35 °C (50 °F and 95 °F).

## The power does not turn on.

charging. (→ B)

USB charging cord and plug it in again.

Specification

Specifications		
■ General		
Power supply	DC 5 V, 500 mA (Internal battery: 3.7 V (Li-polymer))	
Operating time <sup>*1</sup>	Approx. 20 hours (Noise cancelling: ON, SBC)	
Charging time*2 (25 °C (77 °F))	Approx. 4 hours	
Charging temperature range	10 °C to 35 °C (50 °F to 95 °F)	
Operating temperature range	0 °C to 40 °C (32 °F to 104 °F)	
Operating humidity range	35 %RH to 80 %RH (no condensation)	
Mass (Weight)	Approx. 268 g (9.5 oz) (without	

■ Bluetooth <sup>®</sup> section		
Frequency band	2402 MHz to 2480 MHz	
Supported profiles	A2DP, AVRCP, HSP, HFP	
Supported codec	SBC, AAC, Qualcomm <sup>®</sup> aptX <sup>TM</sup> , Qualcomm <sup>®</sup> aptX <sup>TM</sup> HD, LDAC	

Impedance 38 Ω (Power off, with cord) ■ Speaker section Power handling capacity 1000 mW (IEC)

It may be shorter depending on the operating conditions.

2 Time taken to recharge from empty to full. Specifications are subject to change without notice

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