

## Warnings and Cautions

### Intended Use

The RUSleeping RTS is a small monitor designed to assess nasal airflow. Apnea breathing events are counted based on a reduction in airflow.

The RUSleeping RTS device is intended for use as a screening device to determine the need for clinical diagnosis and evaluation by polysomnography based on the patient's score.

### Warnings

A warning indicates the possibility of injury to the user.

- This manual serves as a reference. The instructions in this manual are not intended to supersede the instructions of a medical professional.
- Read and understand the entire manual before using this device.
- Discontinue use if skin reddening or inflammation appears.
- Do not smoke while wearing the cannula.

### System Contents

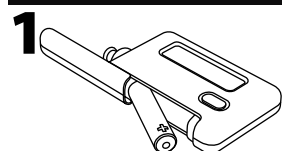
- Traveler Box
- User's Guide/ Response Card
- Cannula
- RUSleeping RTS Main Device
- Battery (AAA)

### Cautions

A caution indicates the possibility of damage to the device.

- Avoid exposure to sources of direct airflow such as fans during use.
- Avoid using this device in an MRI environment or in close proximity to a high EMI emission source.
- Do not attempt to take the main device apart. No user-serviceable parts are inside.
- Do not immerse the device in water.
- Do not use if you are wearing a nasal or full face mask for CPAP or bilevel therapy. This will affect the accuracy of the RUS score.
- Do not use if you are wearing a cannula for therapy. This will affect the accuracy of the RUS score.
- If you notice any unexplained changes in the performance of this device, if the device is dropped or mishandled, if water is spilled into the enclosure, or if the enclosure is broken, discontinue use and contact your medical provider.

## User's Guide



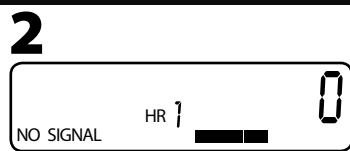
1 Install the battery. Slide the battery cover to open. Insert the battery with the positive end (+) toward the gray button. Slide the cover closed.



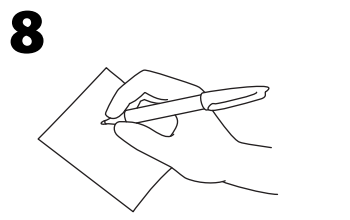
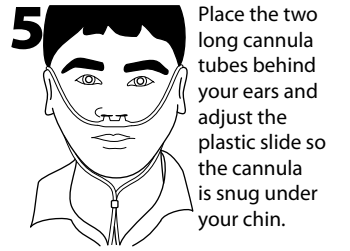
4 Place the nasal prongs of the cannula into your nostrils.



7 Clip the device to your bed, clothes or pillow and go to sleep. If you get out of bed, keep the cannula on and take the device with you.



2 If the device's display looks like the above display, the device is ready to be used. If the device's display does not look like the one above, refer to the troubleshooting section.



8 When you wake up, unclip the device. Disconnect the cannula by twisting and pulling firmly on the connector. Follow the instructions on the Response Card.



3 Install cannula. Align cannula connector with the RUSleeping connector and twist into place.



6 Press and hold the gray button until the display briefly flashes (about five seconds). Breathe normally. The display should read "SIGNAL OK", and the bars on the device should be moving. If the display reads, "NO SIGNAL", refer to the troubleshooting section.

### IMPORTANT:

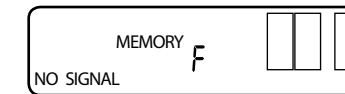
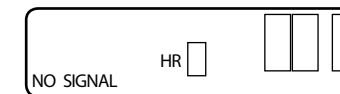
If you should wake or need to get up in the middle of the night, leave the cannula on your face and keep the device with you. The device is portable and can accompany you as you move.

## Response Card

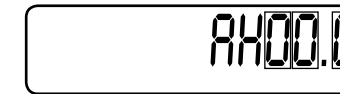
Please complete this Response Card and return it to your medical provider. Record the information stored on the device onto this card. Please follow the step-by-step instructions and fill in the blanks. **Do not hold the button on the device down for more than 5 seconds!** Doing so will erase your data from the device.

Date of use: \_\_\_\_\_

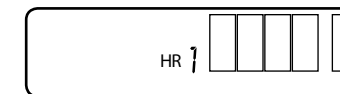
1. The screen on the device should look like one of the two images below. Fill in the boxes in the image that matches your device.



2. Press the button once. The screen below will be displayed. Fill in the boxes.

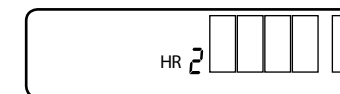


3. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



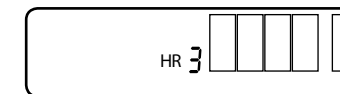
Is ERR displayed? YES  NO

4. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



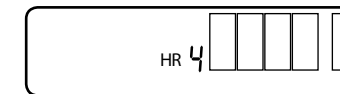
Is ERR displayed? YES  NO

5. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



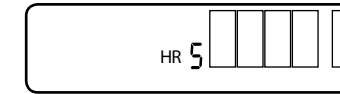
Is ERR displayed? YES  NO

6. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



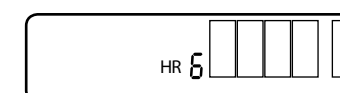
Is ERR displayed? YES  NO

7. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



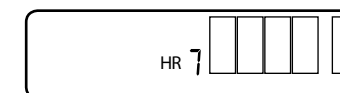
Is ERR displayed? YES  NO

8. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



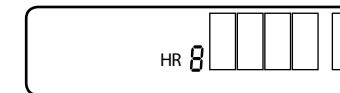
Is ERR displayed? YES  NO

9. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



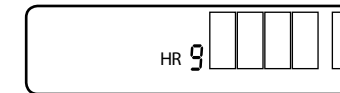
Is ERR displayed? YES  NO

10. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



Is ERR displayed? YES  NO

11. Press the button once. The screen below will be displayed. Fill in the boxes and answer the question.



Is ERR displayed? YES  NO

After you have filled in the boxes for all the screens, remove the battery from the device. Place the device and this response card into the traveler box and return to your medical professional according to his or her instructions. The cannula is for single patient use. It should not be returned to the medical provider.

These boxes are to be filled out by a medical provider only.

Subject ID: \_\_\_\_\_

Card: \_\_\_\_\_ of \_\_\_\_\_

S/N Code (found on the back of the device): \_\_\_\_\_

Other: \_\_\_\_\_

## Troubleshooting

Problem	Why it Happened	Solution
The display is flashing.	The battery is low.	Replace the battery.
The display is blank.	The battery is dead.	Replace the battery.
	<b>OR</b> The battery is installed incorrectly.	Install the battery correctly.
	<b>OR</b> There is no battery installed.	Install the battery.
The bar on the display does not move. <b>OR</b>	The cannula is not properly positioned.	Adjust the cannula so the nasal prongs rest just inside the nostrils and re-check the display.
	<b>OR</b> The display reads "NO SIGNAL".	The cannula is not tightly connected to the main device. <b>OR</b> The cannula is pinched/ kinked.
The bar on the display is flashing (not the entire display).	The device's memory is full. Nine hours have been recorded.	If you have completed a sleep period, this is normal - follow the instructions on the Response Card. If you are starting a new sleep session, and you have recorded the results on the Response Card, press and hold the gray button for five seconds to reset.
Consistent invalid or incomplete measurements with ERR being displayed.	The cannula is not secure on your head.	Ensure the clear slide is against your chin to secure the cannula.
	<b>OR</b> You are a restless sleeper and the nasal prongs are becoming displaced.	Use small pieces of tape to secure the cannula to your cheekbones. <b>DO NOT PLACE TAPE OVER THE MOUTH OR NOSTRILS.</b>

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RESPIRONICS EC REP

manufactured for:

RUSleeping<sup>TM</sup> RTS  
User's Guide/ Response Card

RESPIRONICS