

Home Care Provider Setup Instructions

REMstar® | plus CPAP System

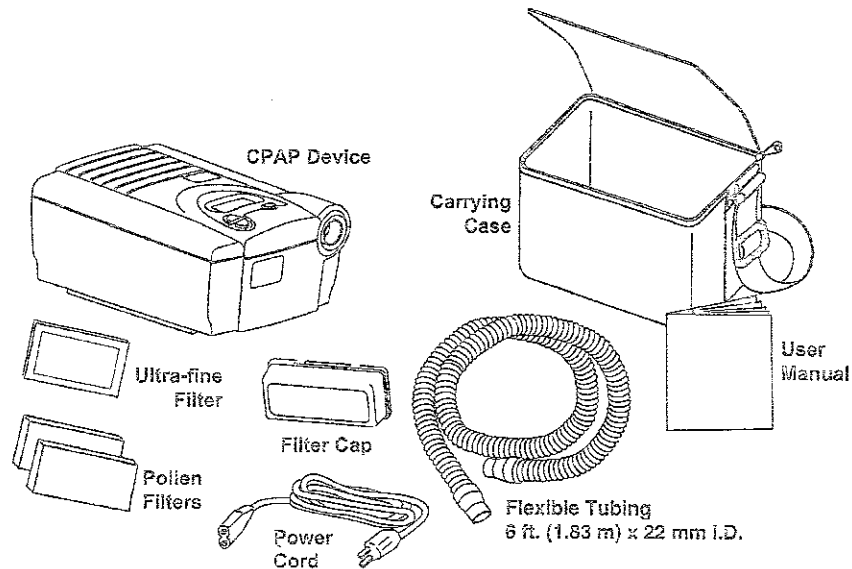


Always use these instructions along with the User Manual when assembling or adjusting this equipment. For clinical systems, refer to the setup guide entitled *Respironics Products in the Sleep Lab* (part #1009751) for equipment setup assistance.

This CPAP System is intended only for the treatment of adult Obstructive Sleep Apnea.

IMPORTANT! For devices with serial numbers greater than 2,000,000, the display screen has been updated and an 8-pin communications connector has been added.

System Contents



Symbols

Display Screen

- Elevation
- Ramp Start Pressure
- Humidifier Setting
- Hours of Use
- Number of nights with more than 4 hours usage
- Therapy Setup Menu
- Settings are being erased
- Button Lights

Control Buttons

- Pressure Start / Stop
- Ramp
- Humidifier On / Off

Device Label

- Attention, consult accompanying documents
- AC Power
- DC Power
- Type BF Applied Part
- Class II (Double Insulated)
- IPX0 Ordinary Equipment
- European CE Declaration of Conformity
- Notified Body Approval for Standards Compliance
- Canadian/US Certification
- Electrostatic Discharge (ESD) Susceptibility

System Setup

Filters

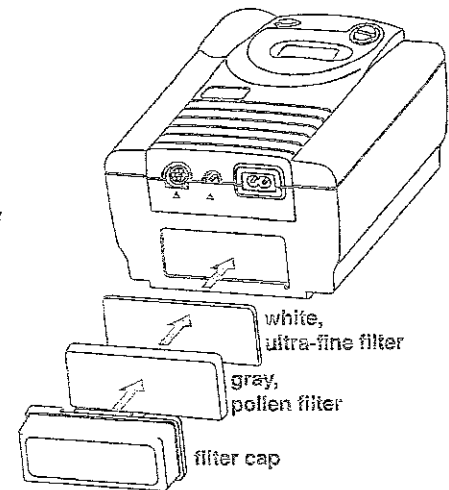
Install the filters.

CAUTION!

The pollen filter must be in place at all times when the REMstar Plus is operating. The white ultra-fine filter is optional and can be used in addition to the pollen filter. The ultra-fine filter is recommended for people who are sensitive to tobacco smoke or other small particles.

1. If you are using the ultra-fine filter, place one of the pollen filters over the ultra-fine filter.
2. Insert the filter(s) into the filter area on the back of the REMstar Plus. An extra filter is included for the patient's convenience.

3. Attach the filter cap. Position the cap so that the small opening on the cap is facing down. Insert the cap's tabs into the filter area opening.



CAUTION!

If this device has been exposed to either very hot or very cold temperatures, allow it to adjust to room temperature before beginning the following setup procedures.

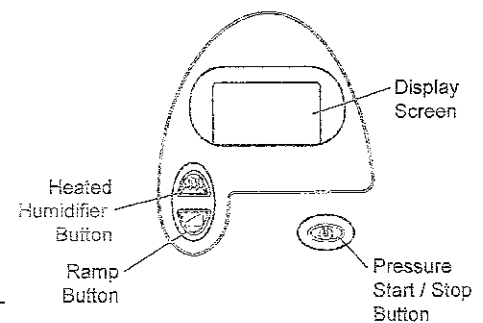
Control Panel

Display Screen: All device settings will appear here.

Pressure Start/Stop Button: Use this button to turn start or stop the airflow. **DO NOT** start the airflow until the circuit tubing is connected.

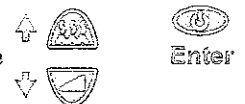
Humidifier Button: Use this button when the optional REMstar Heated Humidifier has been prescribed. This button will turn the humidifier on/off and control the heat setting. Follow the instructions included with the humidifier.

Ramp Button: Use this button to start the ramp cycle (which lowers the airflow pressure).



IMPORTANT!

When the device is in the Therapy Setup Menu, the humidifier and ramp buttons operate as up and down keys to change the settings. The pressure start/stop button will take you to the next screen.



IMPORTANT!

For devices with serial numbers of 2,000,000 and greater, the display screen has been updated and an 8-pin communications connector has been added. Both display screens are shown below.

Therapy Setup Menu

1. Plug the pronged end of the power cord into an electrical outlet. To enter the Therapy Setup Menu, hold the ramp and pressure on/off buttons down while plugging the power cord into the device. The airflow will automatically start, and the display screen will show the current elevation setting and the unlock symbol.

IMPORTANT!

Prescribed therapy settings can be set only using the Therapy Setup Menu. To prevent patients from tampering with the settings, do not reveal the directions to access the Therapy Setup Menu.

System Setup

Elevation Setting

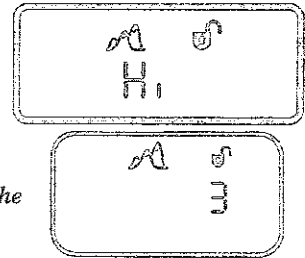
a. The elevation setting will appear. The patient also has access to this setting in the Patient Setup Menu.

Lo or 1 = less than 2,500 ft. (< 762 m)

M or 2 = 2,500 to 5,000 ft. (762 m to 1524 m)

Hi or 3 = 5,001 to 7,500 ft. (1525 m to 2286 m)

NOTE: Elevations of 7,500 ft. (2,286 m) may affect the accuracy of the pressure. Verify the pressure settings with a water column manometer.



To change the setting, press the ramp or humidifier button until the correct setting appears.

Press the pressure start/stop button to go to the next setting.

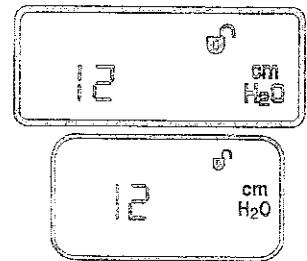
Pressure Setting

b. The CPAP pressure setting will appear.

Range: 4 to 20 cm H₂O (in 1 cm H₂O increments)

To change the setting, press the ramp or humidifier button until the correct pressure appears.

Press the pressure start/stop button to go to the next setting.



Fine Adjustment Setting

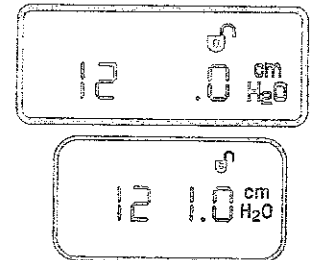
c. The CPAP fine adjustment setting will appear. This setting allows you to calibrate the device so that the pressure setting can be verified with a manometer. Range: ≥ -1.5 to 1.5 cm H₂O (in approximately 0.1 cm H₂O increments)

If you **do not** want to calibrate the device, press and release the pressure start/stop button to go to the next setting.

If you **do** want to calibrate the device, follow the directions below:

1. Connect the patient circuit to the REMstar Plus. Make sure there is an exhalation leak in the circuit.
2. Zero the manometer, and connect the manometer at the patient mask. Make sure the pressure has stabilized for at least 60 seconds.
3. If the pressure setting is not the same as the manometer reading, press and release the ramp or humidifier button to change the setting.

Press the pressure start/stop button to go to the next setting.



Ramp Time Setting

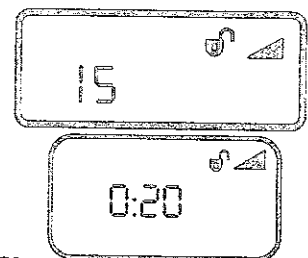
d. The ramp time will appear.

Range: 0 to 45 minutes (in 5 minute increments) The patient also has access to this setting in the Patient Setup Menu.

To change the setting, press the ramp or humidifier button.

Press the pressure start/stop button to go to the next setting.

NOTE: If the ramp time is set to "0" minutes, or if the CPAP pressure setting is 4 cm H₂O, the following ramp setting will not be displayed. Go to Step f.

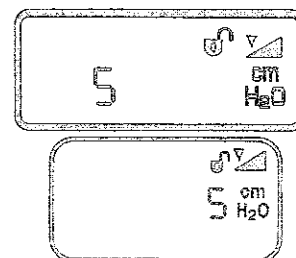


Ramp Starting Pressure Setting

- e. The ramp starting pressure will appear.
Range: 4 to Prescription Setting (in 1 cm H₂O increments)

To change the setting, press the ramp or humidifier button until the correct pressure appears.

Press the pressure start/stop button to go to the next setting.

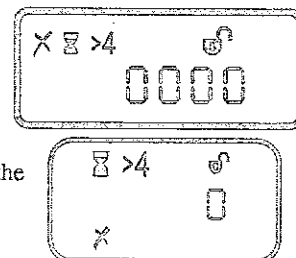


>4 Setting

- f. The number of nights this device has been used for more than four consecutive hours (>4) will appear.

To erase the total and go back to zero, press **and hold** the ramp or humidifier button. An "X" will appear in the lower left corner and the total will change to "0000." (Pressing the button again will restore the original count.)

Press the pressure start/stop button to go to the next setting.

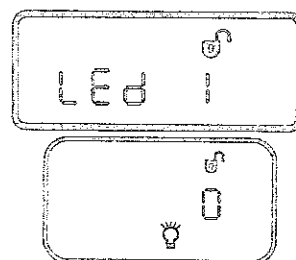


Button Lights

- g. The button lights setting will appear. This setting allows you to have the lights behind the buttons turned on or off while the airflow is turned on. (The lights will always be on when the airflow is off.)
The patient also has access to this setting in the Patient Setup Menu.

1 = on 0 = off

To change the setting, press the ramp or humidifier button.



Exit Settings

- h. The settings are complete. To repeat the settings, press the pressure start/stop button.

To exit the Therapy Setup Menu, hold the pressure start/stop button down and press the ramp button one time. The airflow will turn off.

2. Final Steps

- Follow the instructions in the User Manual to install the filter.
- Fill out the information form in the front of the User Manual. Review the User Manual with the patient.

Service

The REMstar Plus System does not require routine servicing. If the REMstar Plus begins to mal function, refer to the "Troubleshooting" section of the User Manual or contact Respironics, Inc. Repairs and adjustments must be performed only by trained personnel fully acquainted with this equipment. Service performed by unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage.

Disposal

When necessary, dispose of the REMstar Plus and accessories in accordance with local regulations.

If you need product assistance, call

Respironics Customer Service Department

1-800-345-6443 (within the U.S. and Canada) or 1-724-387-4000