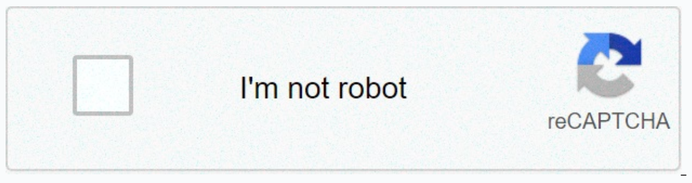

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Remstar auto a-flex humidifier manual

warranty... Back page user manual 1 4 WARNING: U.S. federal law limits the sale of this device by or on the order of a physician. Planned Use Philips Respironics REMstar Auto A-Flex offers positive airway pressure therapy for the treatment of obstructive sleep apnea in patients who breathe spontaneously and weigh more than 66 pounds (30 kg). It is for use in the environment at home or in the hospital/institutional. Important The device should only be used on the instruction of a licensed physician. The system can provide cpap therapy or auto-CPAP therapy. For increased pressure relief in CPAP mode, the device can also provide C-Flex or C-Flex. For increased pressure relief in Automatic mode, the device can provide C-Flex or A-Flex. Your home care provider will make the right pressure adjustments based on your health care professional's prescription. When defined in Auto-CPAP therapy, the system will monitor your breathing while you sleep and automatically adjust the pressure to meet your needs. When in CPAP therapy, the system will provide continuous and regulated pressure during the night. Several accessories are available to make your OSA treatment with the REMstar Auto A-Flex system as convenient and comfortable as possible. To ensure you receive the safe and effective therapy you are prescribed, use only Philips Respironics accessories. Warnings A warning indicates the possibility of injury to the user or operator. This manual serves as a reference. The instructions in this manual are not intended to replace the instructions of the about the use of the device. The operator must read and understand all this manual before using the device. This device is not intended for life support. The device should only be used with masks and connectors recommended by Philips Respironics or with those recommended by the health care professional or respiratory therapist. A mask should not be used unless the mask is on and works properly. The exhalation port associated with the mask should never be blocked. Warning explanation: The device is intended to be used with special masks or connectors that have exhalation ports to allow a continuous flow of air out of the mask. When the device is turned on and working properly, the new air from the device flushes out the exhaled air through the mask's exhalation port. However, when the device does not work, enough fresh air will not be provided by the mask, and the exhaled air can be reissued. If you use a full face mask (a mask covering both your mouth and nose), the mask must be equipped with a safety valve (training). When using oxygen with this system, the oxygen supply must comply with local regulations for medical oxygen. Oxygen supports combustion. Oxygen should not be used during smoking or in the presence of an open flame. When using oxygen with this system, turn on the device before turning on the oxygen. Turn off the oxygen before turning off the unit. This will prevent the build-up of oxygen in the unit. Warning explanation: When the device is not in service and the oxygen flow is left running, oxygen delivered into the tube may accumulate in the unit's enclosure. The oxygen accumulated in the enclosure of the aircraft will create a fire hazard. When using oxygen with this system, a Philips Respironics pressure valve must be placed in line with the patient's circuit between the device and the oxygen source. The pressure valve helps prevent the back flow of oxygen from the patient circuit into the unit when the device is off. Failure to use the pressure valve can result in a fire hazard. Do not connect the device to an unregulated or high-pressure oxygen source. Do not use the device in the presence of a flammable anesthetic mixture in combination with oxygen or air, or in the presence of nitrous oxide. Do not use the device near a source of toxic or harmful fumes. Do not use this device if the ambient temperature is above 35 degrees Celsius (95 degrees Fahrenheit). If used at ambient temperatures above 35 degrees Celsius (95 F), the airflow temperature can exceed 43 degrees Celsius (109 degrees Fahrenheit). This could cause irritation or injury to your airways. Do not use the unit in direct sunlight or near a heater because these conditions can increase the temperature of the air coming out of the unit. Contact your health care provider if symptoms of sleep apnea recur. If you notice any unexplained changes in the performance of this If it makes unusual or hard sounds, if it has been fallen or mishandled, if water is discharged into the enclosure, or if the enclosure is broken, disconnect the power cord and stop use. Contact your home care provider. Repairs and adjustments must be made only by service personnel authorized by Philips Respironics. An unauthorized service could invalidate the warranty or cause costly damage. Periodically inspect electrical cords and cables for damage or signs of wear. Stop use and replace in case of damage. To avoid electric shocks, always unplug the power cord from the wall socket before cleaning the unit. Do not immerse the device in fluids. 2 Use Manual 5 If the device is used by several people (such as rental devices), a low-strength, main-flow bacteria filter must be installed online between the device and the circuit tube to prevent contamination. Be sure to move the power cord to the exit in a way that will prevent the cord from being tripped or interfered with by chairs or other furniture. This device is activated when the power cord is connected. For safe operation when using a humidifier, the humidifier must always be placed under the connection of the respiratory system to the mask and the air intake on the device. The humidifier must be level for proper operation. Note: Please refer to the Limited Guarantee section of this manual for information on warranty coverage. Warnings A warning indicates the possibility of damage to the device. Medical electrical equipment needs special precautions regarding emc and must be installed according to emc information. Contact your home care provider about information about THE installation of EMC. Mobile RF communication equipment can affect medical electrical equipment. The pins of the connectors marked with the ESD warning symbol should not be touched and connections should not be made without special precautions. Precautionary procedures include methods to prevent the build-up of electrostatic load (e.g., air conditioning, humidification, conductive flooring, non-synthetic clothing), unloading the body on the frame of the equipment or system or on land. It is recommended that all persons who will handle this device understand these precautionary procedures at a minimum as part of their training. Before using the device, make sure the SD card cover is replaced whenever one of the accessories such as the Link or modem is not installed. See the instructions that came with your accessory. Condensation can damage the device. If this device has been exposed to very hot or very cold temperatures, allow it to adjust to the ambient temperature (operating temperature) before starting therapy. Do not use the device outside the temperature range of outlined in the Charge Book. Do not use extension cords with this device. Do not place the device directly on carpet, fabric or other flammable materials. Do not place the device in or on a container that can collect or retain water. A properly installed and intact reusable foam input filter is required for proper operation. Tobacco smoke can cause tar to build up inside the unit, which can cause the unit to malfunction. Dirty dirty entry can cause high operating temperatures that can affect the performance of the device. Check input filters regularly as needed for integrity and cleanliness. Never install a wet filter in the appliance. You need to ensure sufficient drying time for the cleaned filter. Always make sure the DC power cord fits securely into your therapy device before use. Contact your home care provider or Philips Respironics to determine if you have the appropriate DC cord for your specific therapy device. When DC power is obtained from a vehicle battery, the device should not be used while the vehicle's engine is running. Damage to the device may occur. Use only a Philips Respironics DC power cord and a battery adapter cable. Using any other system can damage the device. Contraindications When assessing the relative risks and benefits of using this equipment, the clinician must understand that this device can provide pressures of up to 20 cm H 2 O. In the event of certain defect conditions, a maximum pressure of 30 cm H 2 O is possible. Studies have shown that the following pre-existing conditions may contraindicate the use of CPAP therapy for some patients: Bullous Lung Disease Pathologically Low Blood Pressure Bypassed Upper Airway Pneumothorax Pneumocephalus has been reported in a patient using positive nasal pressure of the airways. Caution should be used when prescribing CPAP for sensitive patients such as those with: cerebral cerebrospinal fluid (CSF) leaks, cribriform plaque abnormalities, a history of head trauma, and/or pneumocephaly. (Coffre 1989; 96:) The use of positive airway pressure treatment may be temporarily contraadicated if you show signs of a sinus or middle ear infection. Not for use with patients whose upper airways are bypassed. Contact your health care provider if you have any questions about your treatment. User Manual 3 6 Key Symbol The following symbols may appear on the device and power: Sy m b o l Definition See the accompanying instructions for use. AC Power DC Power IP22 Drip Proof Equipment Attention, view accompanying documents. ESD Warning Symbol Class II (Double Insulated) Type BF applied part for indoor use only. Don't take it apart. For aerial use. Complies with Section 21 of the RTCA/DO-160F, separate category M. Collection for electrical equipment and EC 2002/96/EC Directive. Use only with the standard 60W power supply (not used with heated tube) Use only with the 80W Heating Tube compatible power supply (can also be used when the heating tube is not used) 4 User Manual 7 System Content Your REMstar Auto A-Flex system may include the following: User Transport Manual of the Flexible Tube Cord Power Device (60W, or 80W) Note: If any of these items are missing, contact your home care provider. SD Side Cover Panel Ultra-Fine Ultra-Fine Disposable Reusable Blue Foam (optional) Overview of the humidifier system (optional) The REMstar Auto A-Flex is a CPAP (Continuous Positive Airway Pressure) device designed for the treatment of obstructive sleep apnea (OSA). It can provide CPAP therapy or Auto-CPAP therapy. When prescribed, the device offers several special features to help make your therapy more comfortable. The ramp function allows you to lower the pressure when you try to fall asleep. The air pressure will gradually increase until your prescription pressure is reached. You also have the option of not using the ramp function at all. In addition, the C-Flex, C-Flex and A-Flex comfort features provide pressure relief when you exhale during therapy. Several accessories are also available for use with your REMstar Auto device. Contact your home care provider to purchase accessories that are not included in your system. SD Card (Accessory) Slot SD Card Cover Air Outlet Port Power Inlet Ta b Side Cover Filter Area This figure illustrates some of the features of the device, described in the following table. Feature Air Outlet Port (conical, 22 mm) SD Card (Accessory) Slot SD Card Cover Power Inlet Filter Area Side Cover Description Connect the 15 or 22 mm Philips Respironics flexible tube here. Note: Heating tubes should only be connected to the system One-compatible heated humidifier outlet and not to the therapy device's aerial outlet port. If so, insert the optional accessory SD card here. If so, optional accessories such as a Link or Modem module can be installed here. See the instructions provided with the accessory. When you are not using an accessory, this lid should be in place on the device. Connect the power cord here. A reusable grey foam filter should be placed in the filter area to filter out dust and normal household pollen. An ultra-thin white filter can also be used for more complete filtration of very fine particles. If you use a humidifier with the device, this side lid can be easily removed with the release tab before attaching the humidifier. See the humidifier manual. When you are not using a humidifier, this lid should be in place on the device. User Manual 5 8 LCD Screen Control Buttons Icon Humidifier screen and number settings Control wheel/Push button Button Button This figure shows the primary control buttons on the device, described in the following table. Fe to you are e Display Screen Humidifier Icon Numbers Control Wheel/Push Button Ramp Button Description Shows therapy settings, patient data, and other messages. The start screen is temporarily displayed when the device is powered for the first time. This icon lights up (different colors) when the optional humidifier and/or heating tube is fixed and heat is applied. White means that the classic humidification is selected. Blue means system a humidification is selected. Orange means heated is attached. Please see the humidifier's user manual for more information. The parameters of the number of humidifiers are only visible when the humidifier is attached and the therapy is active. You can use the control wheel to change the number settings for the humidifier. When the heating tube is used with the humidifier, these figures control the setting of the heating tube. Turn the wheel to switch between the options on the screen. Press the wheel to choose an option. The main function is to turn the air flow on/off. When the airflow is activated, this button allows you to activate or restart the ramp function. When the airflow is turned off, this button allows you to activate the Fit Check Mask. This button lights up when therapy is active or during specific alerts. Available Therapy The REMstar Auto A-Flex device offers the following therapy modes: CPAP This mode offers continuous positive airway pressure; Cpap maintains a constant level of pressure throughout the respiratory cycle. Auto-CPAP This mode offers CPAP therapy while automatically adjusting the pressure level to meet your needs. Self-test If it's available on your device, this mode offers CPAP therapy while automatically adjusting the pressure level to meet your needs. The self-testing mode is limited to a specific number of days that is defined by your doctor. Once the number of days has passed, your device automatically switches to CPAP-Check mode. CPAP-Check If available on your device, this mode offers CPAP therapy while automatically adjusting the pressure level to meet your needs. Pressure adjustments in CPAP-Check mode are more gradual than those in Auto-Trial mode and the amount of adjustment that can be made over time is limited. Available flex comfort features The REMstar Auto A-Flex device offers the following optional Flex comfort features: C-Flex relieves pressure at expiration to improve comfort to suit your needs. A-Flex/C-Flex provides pressure relief at the end of inhalation and at the beginning of exhalation to improve comfort as needed. When you provide auto-CPAP or Auto-Trial therapy, this comfort feature is called A-Flex. When you provide CPAP or CPAP-Check therapy, this comfort function is called C-Flex. 6 Use Manual 9 Installing the air filter warning: A well-installed and intact grey foam filter is required for proper operation. The device uses a grey foam filter that is washable and reusable, and an ultra-thin white filter that is disposable. The filter filters out normal dust and domestic pollens, while the ultra-thin filter provides more complete filtration of very fine particles. The grey reusable filter must be in place at all times when the device is operating. The ultra-thin filter is recommended for people who are sensitive to tobacco smoke or other small particles. The reusable grey foam filter comes with Device. An ultra-thin disposable filter can also be included. If your filter isn't already installed when you receive your device, you should at least install the reusable grey foam filter before using the device. To install the filter:1. If you use the ultra-thin disposable white filter, insert it first into the filter area, on the mesh side facing the device. 2. Insert the required grey foam filter into the filter area after the ultra-thin filter. Note: If you don't use the white disposable filter, simply insert the grey foam filter into the filter area. Connect the respiratory system To use the system, you will need the following accessories to assemble the recommended circuit: Philips Respironics interface (nasal mask or full face mask) with built-in exhalation port, or Philips Respironics interface with a separate exhalation device (such as the Swivel II) WARNING: If you use a full face mask (a mask covering both your mouth and your nose) The mask must be equipped with a safety valve (training). Philips Respironics 22 mm (or 15 mm) flexible tube, 1.83 m (6 ft) Philips Respironics headgear (for mask) WARNING: If the device is used by several people (such as rental devices), a low-strength, main flow filter bacteria should be installed line between the device and the circuit tube to prevent contamination. To connect your breathing system to the device, complete the following steps: 1. Connect the flexible tube to the air intake on the side of the device. Note: Make sure the Tube type setting (15 or 22) matches the tubes you use (Philips Respironics 15 or 22 mm pipes). Note: Heating tubes should only be connected to the system One-compatible heated humidifier outlet and not to the therapy device's aerial outlet port. Note: If necessary, connect a bacteria filter to the air outlet of the device, then connect the flexible tube to the exit of the bacteria filter. Note: When using the bacteria filter, the device's performance may be affected. However, the device will remain functional and will provide therapy. 2. Connect the tube to the mask. See the instructions that came with your mask. 3. Attach the headgear to the mask if necessary. Refer to the instructions that came with your headgear. Where to place the device Place the device on a firm, flat surface somewhere within reach of where you will use it at a level below your sleeping position. Make sure the filter area at the back of the device is not blocked by bedding, curtains other articles. Air must flow freely around the device for the system to function properly. Make sure the unit is away from any heating or cooling equipment (e.g., forced air vents, radiators, air conditioners). WARNING: Do not place the device directly on carpet, fabric or other flammable materials. WARNING: Don't the device in or on any container that can collect or hold water. AC power supply to the device's warning: Condensation can damage the device. If this device has been exposed to very hot or very cold temperatures, allow it to adjust to the ambient temperature (operating temperature) before starting therapy. Do not use the device outside the operating temperature range indicated in the Charge Book. WARNING: Be sure to move the power cord to the socket in a way that will prevent the cord from being tripped or interfered with by chairs or other furniture. WARNING: This device is activated when the power cord is connected. IMPORTANT: If you're using your device with a humidifier, check the instructions included with your humidifier for details on how to power the appliance and humidifier. User Manual 7 10 Complete the following steps to operate the device using AC power: 1. Plug the end of the AC power cord socket (included) into the power supply (also included). IMPORTANT: When using a heated tube with the compatible System One heated humidifier, you must use the 80W. 2 power supply. Plug the end of the AC power cord into an electrical outlet that is not controlled by a wall switch. 3. Connect the power cord connector in the power input at the back of the unit. 4. Make sure all connections are secure. IMPORTANT: To remove the ac power supply, disconnect the power cord from the electrical outlet. WARNING: Periodically inspect electrical cords and cables for damage or signs of wear. Stop use and replace in case of damage. WARNING: Do not use extension cords with this device. Navigate the device's screens Turn the wheel to switch between the options and the screen settings. Press the wheel to choose an option or setting that is highlighted. If you choose Back on any screen, it will take you back to the previous screen. Note: The screens displayed throughout this manual are just examples. Actual screens may vary slightly. Examples are for reference only. Device 1 starts. Power of the device. 2. The home screen will appear, shown below. Home screen note: The flex shown above will appear as the current Flex mode chosen by the provider. Note: The SD card icon will appear next to Info, if the SD card is inserted. 3. Put on your mask assembly. Note: If you have problems with your check out the instructions provided with the mask. 4. Turn the wheel to switch between the four options. Highlight therapy. Press the wheel to activate the airflow and start therapy. The therapy screen will appear, which will show the current pressure setting delivered (example shown below). Therapy screen note: The SD card icon will appear in the bottom left corner if the SD card is inserted. Note: If ramp is in progress, the Rampe icon will appear in the bottom right corner. 5. Make sure no air leaks from your into your eyes. If necessary, adjust the mask and headgear until the air leak stops. Check the instructions provided with your mask for more information. Note: A small amount of mask leakage is normal and acceptable. Correct large mask leaks or eye irritation from air leakage as soon as possible. 6. If you use the device in a bed with a headboard, try placing the tube above the headboard. This can reduce the tension on the mask. 7. Press the wheel again to turn off the therapy and return to the home screen. 8 Operating Manual Ramp Function 11 The device is equipped with an optional ramp function that your home care provider can turn on or off. This function reduces the air pressure when you try to fall asleep, then gradually increases (ramps) the pressure until your prescription setting is reached, allowing you to fall asleep more comfortably. If the ramp is activated on your device, after activating the airflow, press the RAMP button () on top of the device. You can use the RAMP button as often as you like during the night. Note: If ramp is in progress, the Rampe () icon will appear in the bottom right corner of the therapy screen. Note: If the airflow is off and you press the RAMP button, the mask adjustment check feature will start if it's enabled by your provider. Note: If the device is in Auto-CPAP therapy mode and Ramp is disabled, pressing the RAMP button will reduce air pressure and restart Auto-CPAP therapy at automatic minimum pressure. Mask Adjustment Verification Function The optional mask fit check function can be turned on or off by your home care provider. This feature allows you to check the fit of your mask before starting therapy. This is done by measuring the amount of leakage. Put on your mask. If the mask adjustment check is enabled, before activating the airflow, press the RAMP button () on the top of the device. The airflow starts and the mask fit check screen will appear, shown below. Fit Check Mask The device will provide test pressure while the screen will take up to 40 seconds. After the test, normal therapy will begin and the screen will either display a checkmark () or one. The evidence shows that the leak found allows the device to perform optimally. The show that leakage can affect the performance of the device, however, the device will remain functional and provide therapy. Note: If you choose to improve the fit of your mask, you can therapy, adjust the fit of your mask and rerun the Fit Check mask. Please refer to the instructions that came with your mask and headgear for the appropriate adjustment procedure. Note: Mask Fit Check is only available when the device is in Auto-CPAP therapy mode. Note: If Split night is activated, Mask Fit Check will be disabled. Preheat Humidifier When using a humidifier, the device can now preheat the water tank up to 30 minutes before starting therapy. In order to activate the preheating mode, the fan fan be turned off and a humidifier must be attached. From the device's home screen, highlight the therapy, then press and hold the control wheel for 5 seconds. You will hear a single beep and the device will now be in preheating mode. The humidifier icon () will light up during this time. During the 30-minute warm-up, you can always use the control wheel to select other menu options from the home screen. If you press the wheel while therapy is highlighted on the home screen, the preheating mode will end and the fan will light up to begin therapy. The humidifier number selected from the installation menu (0, 1, 2, 3, 4 or 5) will now come into effect. User Manual 9 12 Flex Screen From the home screen, highlight flex and press the wheel. The next Flex screen appears. Flex screen note: The flex shown above (in Text mode only) will appear as the current Flex mode chosen by the provider. Flex - Flex Comfort allows you to adjust the level of air pressure relief you feel when you exhale during therapy. Your home care provider can turn this feature on or off. When your provider allows Flex, a level will already be set for you on the device. If it's not comfortable, you can increase or decrease the setting. The setting of 1 provides a small amount of pressure relief, with a higher number providing additional relief. If the provider has disabled this feature, this setting will not appear. Note: This same setting is also available under the installation screen. Flex Demonstration - The Flex setting allows you to set the Flex level before you start therapy. The Flex demo setting lets you try out the different Flex settings in real time. After a period of inactivity, the device will stop therapy and use the latest Flex demo setting as a new Flex setting for your device. When therapy is started again from the home screen, the device will work using the new Flex setting. Installation screen from the home screen, highlight set up and press the wheel. The next installation screen is displayed. The user can change the settings of the Configuration menu. All settings are displayed here. Your view varies depending on the device's settings. Configuration Back Flex Heated Tube humidification on off SYSTEM ONE humidification on off Humidifier Humidity level Tube temperature Ramp time 0:00-0:45 Ramp start (auto min)or (cpap pres) Tubing type H SYSTEM ONE resistance X1 X2 X3 X4 Auto on off Auto off Off Mask alert on off Humidifier LED Backlight on off Silent mode on off Language EN ES Back Setup Screen Note: The screen will show only a few lines at a time. When you rotate the wheel to switch to different options, the screen will slide up and down accordingly. If the text is too long to fully fit the screen, it will scroll horizontally across the screen when highlighted. Flex - This shows the Flex level defined by your home care provider. Your home care provider or turn Flex off. If Flex is enabled and the setting is not comfortable, you can increase or decrease this setting. If your provider has disabled Flex, you won't see this setting. Note: This same setting is also available under the Flex screen. Humidification of the heated tube - This setting will only appear if you use the heated tube. You can turn this feature on or off. SYSTEM ONE humidification - System One controls moisture maintains a constant humidity mask by monitoring and adjusting for changes in ambient temperature and ambient humidity. You can turn this feature on or off. If the moisture control system one has been disabled, the classic style of heated humidification at basic controlled temperature will be used. This will only appear if the humidifier is attached. 10 Humidifier User Manual 13 - This setting allows you to choose the desired humidity setting: 0, 1, 2, 3, 4 or 5. If the moisture control system one has been disabled, the classic style of heated humidification at basic controlled temperature will be used and the display will display: 0, C1, C2, C3, C4 or C5 for these settings. This will only appear if the humidifier is attached. Please consult the humidifier manual if you are using a humidifier. Note: When you are not using a heating tube, the control wheel can also be used to change this setting. IMPORTANT: The ideal setting of the humidifier depends on the ambient temperature and humidity. Initially, a setting of 2 is recommended. You can fix this at any time. Humidity level - This setting will only appear if you use the heating tube. This setting allows you to choose the desired humidity setting for the humidifier: 1, 2 or 3. This setting can only be changed from the installation screen. Tube temperature - This setting will only appear if you use the heating tube. This setting allows you to choose the desired temperature for the heated tube: 0, 1, 2, 3, 4 or 5. If you choose zero (0), this will disable both the humidifier and the heating tube. Note: When using a heating tube, the control wheel can also be used to change this setting. Ramp time - This allows you to change the ramp time setting in 5-minute increments. The range for this setting is 0 to 45 minutes Ramp Start - This shows the start pressure of the ramp. You can increase or decrease the pressure of starting the ramp in 0.5 cm H2 O increments. This is only available if the ramp time has been set and the pressure is 4 cm H 2 O. This won't show up if your provider has enabled split night on your device. Tube type - This setting will select the correct diameter tube you use with the device. You can choose either (22) for the Philips Respironics 22mm tube, or (15) for the Philips Respironics 15mm tube. When using heating tubes, the device will automatically change this setting to the appropriate type of tube (15H) and you will not be able to change it. Note: If If The heating tube is removed, the device will default back to the previous tube type setting. SYSTEM ONE Resistance ( ) - This setting allows you to adjust the level of air pressure relief according to the specific Philips Respironics mask. Each Philips Respironics mask can have a System One resistance control setting. Contact your home care provider if you can't find this resistance setting for your mask. If your provider has locked the resistance setting in place, you can view the setting but can't change it, and the screen will display a lock symbol. If your provider has disabled the resistance, you won't see this setting. Auto on - You can activate this feature if you want the device to automatically turn on the airflow every time you apply the interface (mask) to your airways. You can also disable this feature. Automatic Shutdown - You can activate this feature if you want the device to automatically turn off the airflow every time you remove the interface (mask) from your airways. You can also disable this feature. Mask Alert - You can turn the mask alert setting on or off. If this feature is enabled, when a major mask leak is detected, the mask alert will appear on the display screen and an audible alert will reappear. See Peripheral Alerts for more information on the mask alert. LED mirror backlight (ramp backlight) - You can turn LED backlight on or off for humidifier number settings and the Rampe button on the device. Note: If the humidifier is not fixed, this feature will display ramp backlighting and control the LED backlight for the Rampe button only. Note: If the LED humidifier is turned on or off, the humidifier icon will still be on (if the humidifier is attached and the heat is applied), but will darken after 30 seconds of inactivity. Silent Mode - You can disable this feature if you want the device to emit a beep during the following operation of the device: feeding, starting therapy, stopping therapy, checking the mask fit and preheating the humidifier. The device does not operate in the Silent mode on, which means that the device does not beep during these operations. Language - This feature lets you choose which language to display on the interface. You can choose English (FR) or Spanish (ES). User Manual 11 14 Screen Information Screen highlight Info and press the wheel. The following information screen is displayed. The user cannot change the settings in the Info menu. Note: These screens are only for reference. Your home care provider may ask you for this information periodically. Info Back Status Phone-in Compliance VIC Therapy hours Days - 4 Large leak AHI Periodic Breathing 90% pressure Auto-Trial CPAP-Check Humidify Back Info Screen Note: The screen will only show a few lines at a time. When you rotate the wheel to switch to different options, the screen will slide up and down accordingly. Consequence. - This shows information sent from a device (SD card, modem, etc.). If two devices are attached, two lines will appear with the corresponding icons. Note: This will not appear if no devices are used. Phone-in - This screen shows the total number of hours of therapy for the device, the total number of hours of blower, and the total number of days used when the sessions were more than 4 hours since the last reset of the device by the home care provider. This screen also displays a compliance verification number used by your home care provider to validate that the data provided by you is the data taken from that screen. This setting will only appear if your provider has enabled this feature. VIC Compliance (Visual Inspection Check) - This screen shows the start day and the total number of days used when the sessions were longer than 4 hours. This screen also displays a control code number used by your home care provider to validate that the data provided by you is the data taken from that screen. This setting will only appear if your provider has enabled this feature. Hours of therapy - The device is able to recognize the difference between when the patient actually receives therapy and when the ventilator is simply running. This screen shows the average duration while the patient is actually receiving therapy on the device over a period of 7 days and 30 days (provided the device has at least 7 or 30 days of data respectively). If the device has only 5 days of data to use for the calculation, the average value of 5 days will be visible under the 7-day screen. Days 4 - This screen shows the cumulative number of device therapy sessions that exceeded 4 hours over a 7-day and 30-day period. Important leak - On a given night, the device recognizes the percentage of time the patient experienced what he considered to be a significant leak. Large leaks are defined as the level of leakage so high that it is no longer possible to determine respiratory events with statistical precision. This screen displays the average of these individual nocturnal percentage values of time in a major leak over a period of 7 days and 30 days (provided the device has at least 7 or 30 days of data respectively). If the device has only 5 days of data to use for the calculation, the average value of 5 days will be visible under the 7-day screen. If you see a significant increase in the percentage of time on the run shown here, contact your health care provider at for help. This screen will only appear if your home care provider has activated it. 12 AHI User Manual 15 - The device accumulates individual apnea/hypopnea (AHI) cues for each session the patient used the device. This screen displays the average of these individual nocturnal AHI values over a period of 7 days and 30 days (provided the device has at least 7 or 30 days of data respectively). If the device has only 5 days of data to use to calculation, the average value of 5 days will be seen under the 7-day display. This screen will only appear if your home care provider has activated it. Periodic Breathing - On a given night, the device recognizes the percentage of time the patient was experiencing periodic breathing. This screen displays the average of these individual nocturnal periodic breathing values over a period of 7 days and 30 days (provided the device has at least 7 or 30 days of data respectively). If the device has only 5 days of data to use for the calculation, the average value of 5 days will be visible under the 7-day screen. If you see a significant increase in the percentage of periodic breathing time shown here, contact your home care provider for help. This screen will only appear if your home care provider has activated it. 90% pressure - On a given night, the device recognizes the 90% pressure obtained by the automatic algorithm. 90% Pressure is defined as the pressure at which the device spent 90% of the session time at or below. For example, if the aircraft recognized the airflow for 10 hours, and 9 hours had passed at H2 O or below 11 cm, and one hour had passed above 11 cm H2 O, then the pressure of 90% would be 11 cm H 2 O. This screen displays the average of these individual nocturnal values of 90% pressure over a period of 7 days and 30 days (provided the device has at least 7 or 30 days of data respectively). If the device has only 5 days of data to use for the calculation, the average value of 5 days will be visible under the 7-day screen. This screen will only appear if the device has been set to Auto-CPAP therapy. Auto-Test - If Auto-Trial mode is available, this screen displays days: 00/00 (accumulated test days/selected trial days). This screen will only appear if your home care provider has activated Auto-Trial. CPAP-Check - If CPAP-Check mode is available, this screen will display either 00.0 (CPAP-Check pressure) or 90% (00.0) (if Auto-Trial has set a pressure level of 90%). This screen will also be displayed 00/30 (Hours used / 30 Hours). This screen will only appear if your home care provider has activated CPAP-Check. Humidifier - This screen will display 3 parameters: power supply (either 60W or 80W), type of tube, and temperature setting of the humidifier or tube (if you use it). User Manual 13 16 High Priority Peripheral Alerts: These alerts require an immediate response from the operator. The alert signal consists of a high-priority sound, which is a continuous two-beep pattern (shown in the following table as follows:). In addition, on the buttons will provide a high priority flashing pattern consisting of a continuous, bright-to-off, two-flash model (shown in the following table as:). Average priority: These alerts require a quick response from the operator. The alert signal consists of a medium-priority sound, which is a continuous pattern of a beep (shown in the following table as follows:).). the backlights on the buttons will provide a medium priority flashing pattern consisting of a continuous, bright to low, flash model (shown in the following table as:). Summary Of Alerts Table: The following table summarizes alerts. Al e rt Au d i b l e In d i c à o r Vi u a l d i c à o r Service Required Screen Service. The mask alert screen displays the mask alert. Auto Off screen beep unique auto displays off. Humidifier alert no Humidifier LED icon will flash on the device. Power alert no LED Humidifier icon will flash orange for 30 seconds and then return to solid blue. The device enters the safety state in which the device's power remains in place, but the airflow is disabled. Alert presents until action is taken. The airflow stops and the device enters the standby state about a few seconds after detection. Alert presents for 30 seconds or until the user recognizes. Only displayed when humidifier and therapy is underway. Only displayed when the incorrect power supply is used with the heating tube. Po s i b l e Ca u s e failure of the device. The respiratory system is disconnected or there is a large air leak. The mask has been removed. The humidifier fails. Using poor power supply. Pat i e n t Ac t i o n Press either the wheel button or ramp to silence the alert. Remove the power cord from the appliance to remove power. Plug the cord into the power input of the unit to restore power. If the alert continues to occur, contact your home care provider. Turn off the airflow. Check your respiratory connections and reconnect the tube if it has detached. Make sure your mask is in place before restarting the airflow. If the alert continues to occur, contact your home care provider to have your mask checked. You may need a mask that is re-opening. Put your mask back on and turn on the airflow to resume therapy. The alert is present for 12 minutes or until the condition is set. Turn off the airflow and reconnect the humidifier to the humidifier as instructed by the humidifier. If the alert continues to occur, contact your home care provider. The alert is present for 30 seconds or until the condition is set. You must use the 80W power supply when using the heating tube. If the alert continues to occur, contact your home care provider. 14 User Manual 17 Al e rt Au d i b b l e En d i c à r Vi u a l In d i c to o r Heated Tube Error no LED Humidifier icon will slowly flash orange for 30 seconds and then return to solid blue. From v c c e Ac t i o n Alert present for 30 seconds or until the state is fixed. Po s i b l e Ca u s e Tubing may be overheating or malfunctioning. Pat i e n t Ac t i o n Alert is present for 30 seconds or until the condition is set. Turn off the airflow and reconnect the heating tube to the humidifier as instructed by the humidifier. If the alert continues to occur, contact your provider of care. Instant message a single beep Home Care Provider will provide text to display. The unique beep screen of the patient's reminder displays the provider's message. SD Card: Prescription Accepted SD Card: Prescription Rejected SD Card: Inserted Incorrectly beep unique beep screen displays inserted SD card, prescription accepted. Screen shows the inserted SD card, prescription rejected. The screen displays the incorrectly inserted SD card. SD card: Full screen displays full SD card. SD card: Remove deleted simple beeps from the SD card. SD Card: Data activity a single beep Shows data activity: Don't delete the card. Only displayed when therapy is off. Only displayed when therapy passes from one moment to another. Alert presents for 6 minutes or until the user recognizes. Alert presents for 30 seconds or until the user recognizes. Alert presents for 30 seconds or until the user recognizes. Alert presents until action is taken. Alert presents until action is taken. Alert presents for 30 seconds or until the user recognizes. Alert presents for 30 seconds or until the user recognizes or the data activity is complete. Supplier's message. Supplier's message. n/a missing or incorrect order. Incorrectly inserted SD card. The SD card is full. The SD card has been removed. n/a Your home care provider can send an instant message. Contact your home care provider for any questions. Your home care provider can set a reminder to patients that should appear at some point to remind you to replace your mask, change your filters, etc. Check your mask, a new one may be available. Call your supplier. is the default message. The provider can change the message. The status of the card can be checked in the Status menu. Contact your home care provider to get a proper prescription. The alert is present until the card is removed. Remove the SD card and re-insert correctly. If the alert continues to occur, contact your home care provider. The alert is present until the card is removed. Remove the SD card and replace. The status of the card can be checked in the Status menu from the Info screen. See the use of the SD card in the Accessories section of this manual for more information about the SD card. No action is required. No action is required. See the use of the SD card in the Accessories section of this manual for more information about the SD card. Manual 15 18 Al e rt Au d i b l e In d i c à o r Vi u a l d i c à o r SD Card: Corrupt Screen displays Corrupt card inserted reformat card?. SD Card: Delete and re-insert the screen displays the SD card error: remove and re-insert. Modem: Making Call single beep Modem will display its own icon on the device. See the modem instruction manual. Modem: Unsuccessful Call single beep Modem will display its own icon on the device. See the modem instruction manual. De v c c e Ac t i o n Alert present until action is taken. Alert presents until action is taken. Alert presents for 30 seconds after sequence or until the user recognizes. Alert presents for 30 seconds or until the user recognizes. Po s i b l e Ca u s e A problem exists with the SD card. The data can be corrupted. The device cannot read the SD card. There may be a problem with the SD card or it is inserted incorrectly. See the modem instruction manual. See the modem instruction manual. Pat i e n t Ac t i o n Choose yes to reformat the map. Screen displays Reformatting... Don't remove the card. If you choose no, the alert will disappear and the card will not be reformatted. Note: Any information on the map will be lost during reformatting. Contact your home care provider for any questions. Remove the SD card and re-insert. If the alert continues to occur, replace it with another card or contact your home care provider. If the modem passes the call while the therapy is active, the alert for the call sequence is not displayed. No action is required. 16 Use Manual 19 Troubleshooting The table below lists some of the problems you may have with your device and possible solutions to these problems. Problem Why it happened What to do Nothing happens when you apply power to the device. The backlights on the buttons do not light up. The airflow does not light up. The display of the device is erratic. Rampe doesn't work when you press the Rampe button. The airflow is much warmer than usual. The pressure of the airflow is too high or too low. The temperature of the tube is activated in the installation screen, but the heating tube is not hot. There is no power at the socket or the device is disconnected. There may be a problem with the fan. The device has been abandoned or mishandled, or the device is in an area with high electromagnetic interference (EMI) emissions. Your home care provider has not prescribed ramp for you, or your CPAP pressure is already set to the minimum setting. Air filters can be dirty. The device can operate in full sun or near a radiator. The Tubeing setting may be incorrect. Incorrect power is used (60W is used instead of 80W). If you are using the AC power supply, check the socket and make sure the device is properly connected. Make sure there is energy available at the socket. Make sure the AC power cord is connected correctly to the power supply and that the power cord is securely connected to the power input of the device. If the problem persists, contact your home care provider. both your supplier's appliance and power supply, so they can determine if the problem is with the appliance or power supply. If you're using DC power, make sure your DC power cord and battery adapter cable connections are secure. Check your battery. It may need to be recharged or replaced. If the problem persists, check the DC cord fuse by following the instructions provided with your DC cord. The fuse may need to be replaced. If the problem still occurs, contact your home care provider. Make sure the device is powered Make sure the therapy is highlighted when you press the control wheel to start the airflow. If the airflow does not light up, there may be a problem with your device. Contact your home care provider for help. Unplug the device. Reapply the power of the device. If the problem persists, move the device to an area with lower EMI emissions (away from electronic devices such as cell phones, wireless phones, computers, televisions, electronic games, hairdryers, etc.). If the problem still occurs, contact your home care provider for help. If Ramp has not been prescribed for you, discuss this feature with your home care provider to see if they will change your prescription. If your provider has ramp enabled, but the feature still doesn't work, check the CPAP setting on your active display screen. If the CPAP is set to the minimum setting (4.0 cm H 2O), or if the starting pressure is the same as the prescribed pressure, the Rampe function will not work. Make sure the ramp time setting is 0. Clean or replace air filters. The air temperature may vary somewhat depending on your ambient temperature. Make sure the device is well ventilated. Keep the appliance away from bedding or curtains that could block the flow of air around the unit. Make sure the appliance is away from direct sunlight and heating equipment. If you use the humidifier with the device, check the humidifier settings. Check the humidifier's instructions to make sure the humidifier is working properly. If the problem persists, contact your home care provider. Make sure the Tubing setting (22 or 15) matches the tube you are using (Philips Respironics 22 or 15 mm tube). If you use the heating tube, this setting will be 15H and you cannot change it. Make sure the 80W power supply is used. This can be confirmed by looking at the feed for the 60W or 80W symbols. This can also be verified by looking at the humidifier settings under the Info screen. The temperature of the tube is activated in the installation screen, but LED humidifier does not remain orange (changes to blue). The heating tubes are poorly secured or damaged. Inspect heating tubes to detect near damage and reconnect. If the problem persists, contact your home care provider. User Manual 17 17