

# PRODUCT MANUAL

## Medistrom Pilot-12 Lite Medistrom Pilot-24 Lite

Battery and Backup Power Supply



Thank you for purchasing the Medistrom CPAP Battery Portable Power Supply. Please read this product manual carefully before putting the equipment into operation for the first time.

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## SECTION 1 - PILOT-12 LITE

### Section 1.1 Pilot-12 Lite Package Contents

#### THIS PACKAGE INCLUDES:

Pilot-12 Lite



Battery Carry Sleeve



DC Out Cable for  
Phillips Respironics  
DreamStation/System One S60

#### ADDITIONAL ACCESSORIES FOR PILOT-12 LITE (SOLD SEPARATELY)

- 1) Car Charger for Pilot Lite (SKU #P99ACCPCC)
- 2) Mixed kit for Pilot-12 Lite (SKU# P12MXDPLK)  
Includes:
  - a. DC Output Cable for IntelliPAP I/ HDM Z1 and HDM Z2
  - b. Short Charging Adapter Cable for IntelliPAP I/HDM Z1 and HDM Z2
  - c. DC Output Cable for Intellipap II
- 3) Solar Panel, 50W (SKU# P99ACCS50)

### Section 1.2 Pilot-12 Lite PAP Device Compatibility

#### SUPPORTED PAP DEVICES

The Pilot-12 Lite can be used with ONLY the following APAP/CPAP devices:

- Phillips Respironics System One S60
- Phillips Respironics DreamStation
- DeVilbiss IntelliPAP I and IntelliPAP II (cables sold separately, SKU# P12MXDPLK)
- HDM Z1 and HDM Z2 (cables sold separately, SKU# P12MXDPLK)

Pilot-12 Lite is designed to be charged using the Phillips Respironics DreamStation, System One S60 and the DeVilbiss IntelliPAP II series original AC power adapters directly. It can also be charged using the DeVilbiss IntelliPAP I, HDM Z1 and HDM Z2 series original AC power adapters by using the corresponding short charging adapter cables (sold separately, SKU #P12MXDPLK). For more detailed instructions, please see SECTION 1.6 Pilot-12 Lite Setup, Step 1.

**NOTE:** The Pilot-12 Lite is NOT COMPATIBLE with the Phillips Respironics DreamStation Go. The Phillips Respironics DreamStation Go is compatible only with the Pilot-24 series batteries. For complete PAP compatibility information including compatibility for Bi-Level devices, please visit [www.medistrom.com](http://www.medistrom.com) or contact Medistrom technical support at 1-888-407-4791 or email [support@medistrom.com](mailto:support@medistrom.com). Medistrom is not responsible for any damage caused by improper use of the Pilot-12 Lite.

## Section 1.3 IMPORTANT PILOT-12 LITE SAFETY USAGE INFORMATION

Using a humidifier or heated tubing while powering your compatible PAP device with the Pilot-12 Lite will significantly decrease the battery run time. For optimal run times please disable and/or detach any humidifiers and heated tubing.

- DO NOT expose battery to temperatures above 40°C / 104°F (Fire Hazard!)
- DO NOT expose battery to temperatures below -10°C / 14°F (Cell Damage Hazard!)
- DO NOT expose battery to relative humidity above 85% (Electrical Hazard!)
- Normal operating ambient temperatures are 0°C / 32°F to 35°C / 95°F
- Fully charge battery before storage and at least every 6 months thereafter

## Section 1.4 Pilot-12 Lite Intended Use and Compatibility

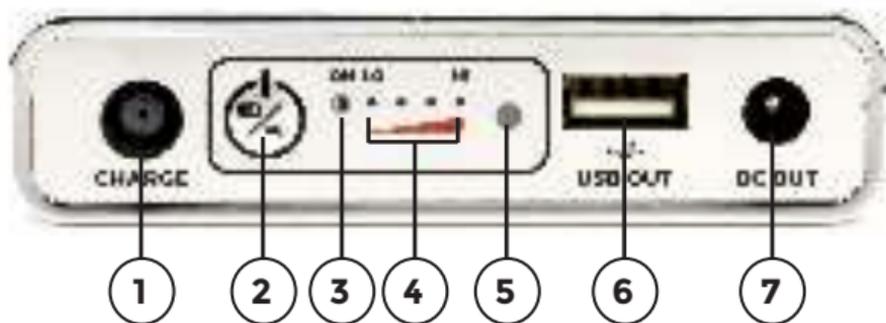
Pilot-12 Lite is manufactured with genuine LG industrial grade rechargeable lithium ion cells. The Pilot-12 Lite can be used as a backup power source to prevent interruption to PAP therapy in the case of a power outage.

Pilot-12 Lite can serve as a portable PAP battery during travel by air, land, or sea when the mains power source is not available.

Pilot-12 Lite is designed to be used with most 12V PAP Devices (Refer to Section 1.2 PAP Device Compatibility).

Pilot-12 Lite has a USB port (output: 5V 2.5A) which can be used to charge cellphones, tablets and other commonly used handheld devices rated for receiving the above USB power output.

## Section 1.5 Pilot-12 Lite Control Panel



### 1. Charge Port

Plug the compatible AC adapter into this port (use the short charging adapter cable if required). Ensure that the AC adapter is plugged into the mains power outlet. Once the battery is charging the 4 green Charge Level Indicator Lights will turn on.

### 2. Multi Function Button

Pressing the button once will show the battery's charge level (if the battery is in Standby Mode: refer to Stand-by Mode in Section 1.6)

Holding the button for 3 seconds will turn the LED Flashlight On and Off

### 3. Blue "ON" Indicator Light

The light will shine solid blue once the battery is connected and is sending power to a compatible PAP device. (If this light is flashing, please check the error code in Section 8).

#### 4. Green Charge Level Indicator Lights

When the battery is being charged, the lights will blink, and then shine solid green showing the level of charge going from Lo to Hi. Refer to Section 8 for a guide to charge levels.

#### 5. LED Flashlight

Can be turned ON and OFF by holding the Multi Function Button for 3 seconds. Note: If the Pilot Lite battery is not connected to a device, the flashlight will turn OFF automatically after 10 minutes, otherwise, the flash light will remain ON.

#### 6. USB Port (5V 2.5A Out)

Can be used to charge handheld devices (please check that the output Voltage and Amperage is compatible with the device that needs charging via the USB before connecting). Once connected press the Multi Function Button to turn on the battery.

#### 7. DC Out Port

This port is used to connect a compatible PAP device to the battery by using the matching DC output cable.

### Section 1.6 Pilot-12 Lite Setup

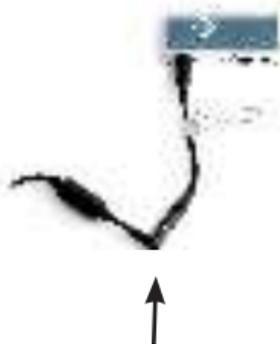
**NOTE:** No power adapters are included with your Pilot-12 Lite Battery and Backup Power Supply. Refer to section 1.2 (PAP Device Compatibility)

#### Using Pilot-12 Lite as a Backup Power Supply for PAP devices

##### STEP 1 – Connecting Pilot-12 Lite to AC Power Adapter



Plug the power connector from the Phillips Respironics DreamStation/ System One S60 AC adapter into the Charge Port of the Pilot-12 Lite and plug the other end into the power outlet.



**NOTE:** Please use the **Short Charging Adapter Cable** for the DeVilbiss IntelliPAP I, HDM Z1 and HDM Z2 series devices (sold separately SKU# P12MXDPLK)

## STEP 2 – Connecting Pilot-12 Lite to PAP Device



Plug the L-shaped yellow tipped end of the DC Out Cable for Phillips Respironics DreamStation into the DC Out Port of your Pilot-12 Lite and plug the other black tipped circular end into the power connector port of Respironics DreamStation PAP Device.



Once the Pilot-12 Lite is connected to your PAP device, the Charge Level Indicator Lights will turn on briefly and then the On Indicator Light will turn solid blue. At this point your PAP device will show that it is receiving power. If your PAP device is not receiving power, please check the cable connections and press the Multi Function Button.

### Stand-by Mode

If the PAP device has been connected but not used within 10 min (or the PAP device is turned off for 10 min), the Pilot-12 Lite will go into Stand-by Mode to conserve power. To wake the Pilot-12 Lite press the Multi Function Button.

### Charging Pilot-12 Lite

Follow STEP 1 above. Charge times for the Pilot-12 Lite via the Phillips Respironics System One S60 or DreamStation AC adapter is approximately 2-3 hours. Charge time via other compatible power adapters may vary.

### Using Pilot-12 Lite as a Portable Battery with a compatible PAP device

Follow STEP 2 above. Run times will vary based on prescribed pressure, patient breathing pattern, mask seal, use of any additional features or attachments such as pressure relief, heated humidifier and heated tubing.

**NOTE:** For optimal run times while using your Pilot-12 Lite with a compatible PAP device, please disable and/or detach the humidifier and heated tubing and ensure that you are not experiencing excessive mask leak. Using your PAP device's humidifier and heated tubing while using the battery as a backup power supply may cause a short interruption when mains power is lost and the battery takes over.

**ATTENTION!** Mask leaks or high PAP pressures can greatly decrease run times.

## Section 1.7 Pilot-12 Lite Specifications

- Capacity: 95Wh
- Cell Type: LG Industrial grade genuine rechargeable lithium ion cells
- Rated Input: 12V, 60W(NORMAL) 80W(MAX)
- Rated Output: DC 12V, 6.5A
- USB Out: 5V, 2.5A
- Life Span: Over 500 full charge/discharge cycles
- Case: Aluminum
- Dimensions: 17cm x 9cm x 2cm, Weight 1.3lbs
- Power Gauge: 4 stage Charge Level Indicator Lights
- Recharge time: 2-3 hours via Respironics DreamStation AC Adapter (charging via other compatible adapters may be longer)

## SECTION 2 - PILOT-24 LITE

### Section 2.1 Pilot-24 Lite Package Contents

#### THIS PACKAGE INCLUDES:

Pilot-24 Lite



Battery Carry Sleeve



DC Out Cable  
for ResMed  
AirSense 10



DC Out Cable  
for ResMed  
AirMini



Short Charging  
Adapter Cable for  
ResMed AirMini



DC Output Cable  
for Löwenstein  
prismaSMART



Short Charging  
Adapter Cable for  
Löwenstein  
prismaSMART

#### ADDITIONAL ACCESSORIES FOR PILOT-24 LITE (SOLD SEPARATELY)

- 1) Car Charger for Pilot Lite (SKU #P99ACCPCC)
- 2) DreamStation Go/BMC Luna Kit for Pilot-24 Lite (SKU# P24PDGPLK)  
Includes: a. Respirationics DreamStation Go DC Output Cable (ATTENTION! Phillips Respirationics DreamStation Go, compatible with Pilot-24 series batteries ONLY) b. Pilot-24 Lite AC Power Adapter c. 3B Medical Luna DC Output Cable.
- 3) ResMed S9 Kit for Pilot-24 Lite (SKU# P24R09PLK)  
Includes: a. Output Cable for ResMed S9. b. Short Charging Adapter Cable for S9.
- 4) Apex iCH kit for Pilot-24 Lite (SKU#P24AMIPLK)  
Includes: a. Output cable for APEX iCH and Sefam S.Box. b. Short charging adapter cable for APEX iCH and Sefam S.Box.
- 5) Medistrom AC Power adapter (SKU# P24ACCACA)
- 6) Solar Panel, 50W (SKU# P99ACCS50)

### Section 2.2 Pilot-24 Lite PAP Device Compatibility

#### SUPPORTED PAP DEVICES

The Pilot-24 Lite can be used with ONLY the following APAP/CPAP devices:

- ResMed AirSense 10 series
- ResMed AirMini
- Phillips Respirationics DreamStation Go series (cables sold separately, SKU# P24PDGPLK)
- BMC Luna (cables sold separately, SKU# P24PDGPLK)
- ResMed S9 series (cables sold separately, SKU# P24R09PLK)
- Apex iCH series (cables sold separately, SKU#P24AMIPLK)
- SmartMED iBreeze (cables and power adapter sold separately, SKU# P24AMIPLK and SKU# P24CCAACA)
- Löwenstein Medical prismaSMART series
- Sefam S.Box series devices (cables sold separately, SKU# P24AMIPLK)

Pilot-24 Lite is designed to be charged using the original ResMed AirSense 10 series AC power adapter directly. It can also be charged using the AirMini series power adapter by using the short charging adapter cable for ResMed AirMini and the Löwenstein prismaSMART series power adapter by using the short charging adapter cable for the Löwenstein prismaSMART. Charge time via the ResMed AirMini AC adapter is approximately 7-9 hours.

For faster charging time, please use Medistrom AC Power adapter (SKU# P24ACCACA). Pilot-24 Lite can be also charged with the ResMed S9 series original AC power adapter by using the ResMed S9 short charging adapter cable (sold separately, SKU# P24R09PLK), the Apex iCH via the Apex iCH Short Charging Adapter Cable (sold separately, SKU # P24AMIPLK), and the Medistrom Pilot-24 Lite AC adapter (sold separately, SKU# P24ACCACA). For more detailed instructions on charging, please see SECTION 2.6 Pilot-24 Lite Setup, Step 1.

**NOTE:** The Pilot-24 Lite is NOT COMPATIBLE with the Phillips Respironics DreamStation. The Phillips Respironics DreamStation is compatible only with the Pilot-12 series batteries. For complete compatibility information including compatibility for Bi-Level devices, please visit [www.medistrom.com](http://www.medistrom.com) or contact Medistrom technical support at 1-888-407-4791 or email [support@medistrom.com](mailto:support@medistrom.com). Medistrom is not responsible for any damage caused by the improper use of the Pilot-24 Lite.

### **Section 2.3 IMPORTANT PILOT-24 LITE SAFETY USAGE INFORMATION**

Using a humidifier or heated tubing while powering your compatible PAP device with the Pilot-24 Lite will significantly decrease the battery run time. For optimal run times please disable and/or detach any humidifiers and heated tubing.

- DO NOT expose battery to temperatures above 40°C / 104°F (Fire Hazard!)
- DO NOT expose battery to temperatures below -10°C / 14°F (Cell Damage Hazard!)
- DO NOT expose battery to relative humidity above 85% (Electrical Hazard!)
- Normal operating ambient temperatures are 0°C / 32°F to 35°C / 95°F
- Fully charge battery before storage and at least every 6 months thereafter
- Please refer to the next section for a list of compatible devices.

### **Section 2.4 Pilot-24 Lite Intended Use and Compatibility**

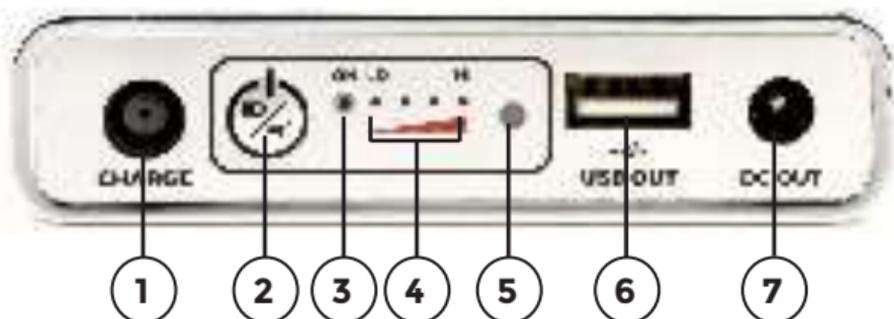
Pilot-24 Lite is manufactured with genuine LG industrial grade rechargeable lithium ion cells. The Pilot-24 Lite can be used as a backup power source to prevent interruption to PAP therapy in the case of a power outage.

Pilot-24 Lite can serve as a portable PAP battery during travel by air, land, or sea when the mains power source is not available.

Pilot-24 Lite is designed to be used with most 24V PAP Devices (Refer to Section 2.2 PAP Device Compatibility)

Pilot-24 Lite has a USB port (output: 5V 2.5A) which can be used to charge cellphones, tablets and other commonly used handheld devices.

## Section 2.5 Pilot-24 Lite Control Panel



### 1. Charge Port

Plug the compatible AC adapter into this port (use the short charging adapter cable if required). Ensure that the AC adapter is plugged into the mains power outlet. Once the battery is charging the 4 green Charge Level Indicator Lights will turn on.

### 2. Multi Function Button

Pressing the button once will show the battery's charge level (if the battery is in Standby Mode: refer to Stand-by Mode in Section 2.6)

Holding the button for 3 seconds will turn the LED Flashlight On and Off

### 3. Blue "ON" Indicator Light

The light will shine solid blue once the battery is connected and is sending power to a compatible PAP device. (If this light is flashing please check the error code in Section 8)

### 4. Green Charge Level Indicator Lights

When the battery is being charged, the lights will blink, and then shine solid green showing the level of charge going from Lo to Hi. Refer to Section 8 for a guide to charge levels.

### 5. LED Flashlight

Can be turned ON and OFF by holding the Multi Function Button for 3 seconds. Note: If the Pilot Lite battery is not connected to a device, the flashlight will turn OFF automatically after 10 minutes, otherwise, the flash light will remain ON.

### 6. USB Port (5V 2.5A Out)

Can be used to charge handheld devices (please check that the output Voltage and Amperage is compatible with the device that needs charging via the USB before connecting). Once connected press the Multi Function Button to turn on the battery.

### 7. DC Out Port

This port is used to connect a compatible PAP device to the battery.

## Section 2.6 Pilot-24 Lite Setup

**ATTENTION:** No power adapters are included with your Pilot-24 Lite Battery and Backup Power Supply. Please refer to section 2.2 PAP Device Compatibility on information how to charge your battery.

### Using Pilot-24 Lite as a Backup Power Supply for PAP devices

## STEP 1 - Connecting Pilot-24 Lite to AC Power Adapter



Plug the original ResMed AirSense 10 AC power adapter into the Charge Port of the Pilot-24 Lite and plug the other end into the power outlet.



NOTE: Please use the Short Charging Adapter Cable for ResMed AirMini or the Löwenstein prismaSMART (included with Pilot-24 Lite) to plug the original ResMed AirMini AC power adapter into the Charge Port of the Pilot-24 Lite and the Löwenstein prismaSMART respectively.

## STEP 2 - Connecting Pilot-24 Lite to PAP Device



Plug the L-shaped yellow tipped end of the DC Out Cable for ResMed AirSense 10 Series into the DC Out Port of your Pilot-24 Lite and plug the other black tipped circular end into the power connector port of your AirSense 10 PAP device.



Once the Pilot-24 Lite is connected to your PAP device, the Charge Level Indicator Lights will turn on briefly and then the On Indicator Light will turn solid blue. At this point your PAP device will show that it is receiving power. If your PAP device is not receiving power, please check the cable connections and press the Multi Function Button.

### Stand-by Mode

If the PAP device has been connected but not used within 10 min (or the PAP device is turned off for 10 min), the Pilot-24 Lite will go into Stand-by Mode to conserve power. To wake the Pilot-24 Lite press the Multi Function Button.

### Charging Pilot-24 Lite

Follow STEP 1 above. Charge times for the Pilot-24 Lite via the ResMed AirSense 10, S9, the Löwenstein prismaSMART or the Medistrom Pilot Lite AC adapter is approximately 2-3 hours. Charge time via the ResMed AirMini AC adapter is approximately 7-9 hours.

**NOTE:** The ResMed AirMini AC adapter can only be used to charge the Pilot-24 Lite and cannot be used in the Backup Power Supply configuration. To use the ResMed Air Mini PAP Device in the backup configuration with Pilot-24 Lite please use Medistrom AC Power Adapter for Pilot-24 Lite (Sold separately, SKU# P24ACCACA) or the original ResMed AirSense 10 AC power adapter, or the original ResMed S9 power adapter with the short charging adapter cable, or the original Löwenstein prismaSMART AC power adapter with the short charging adapter cable.

### **Using Pilot-24 Lite as a Portable Battery for compatible PAP device**

Follow STEP 2 above. Run times will vary based on prescribed pressure, patient breathing pattern, mask seal, use of any additional features or attachments such as pressure relief, heated humidifier and heated tubing.

**NOTE:** For optimal run times while using your Pilot-24 Lite with a compatible PAP device, please disable and/or detach the humidifier and heated tubing and ensure that you are not experiencing excessive mask leak. Using your PAP device's humidifier and heated tubing while using the battery as a backup power supply may cause a short interruption when mains power is lost and the battery takes over.

## **SECTION 2.7 Pilot-24 Lite Specifications**

- Capacity: 95Wh
- Cell Type: LG Industrial grade genuine rechargeable lithium ion cells
- Rated Input: 24V, 60W (NORMAL), 90W (MAX)
- Rated Output: DC 24V, 3.5A
- USB Out: 5V, 2.5A
- Life Span: Over 500 full charge/discharge cycles
- Case: Aluminum
- Dimensions: 9cm x 17cm x 2cm, Weight 1.3lbs
- Power Gauge: 4 stage Charge Level Indicator Lights
- Recharge time: 2-3 hours (7 to 9 hours via the ResMed AirMini AC Adapter)

## **SECTION 3 Care Instructions for Pilot Lite**

**CAUTION!** Fully charge your Pilot Lite before storage and at least EVERY 6 MONTHS thereafter. Failure to do this will be considered negligence and will void the warranty.

**CAUTION!** Do not expose the battery to liquids of any kind. Keep out of direct sunlight.

If your unit becomes soiled, disconnect it from the power source and the PAP device and wipe the exterior casing with a clean, dry cloth.

## **SECTION 4 - Travelling with Pilot-12/24 Lite Battery Backup Power Supply**

The Pilot-12/24 Lite Battery Backup Power Supplies each have a 95Wh capacity. Many airlines will allow batteries under 100Wh to be taken into the cabin for travel. Please always consult with your particular airline and flight to confirm that your Pilot-12/24 Lite can be taken with you in your carry-on prior to travelling. If you plan on charging your Pilot-12/24 Lite with the car charger, please make sure to test the car charger before travelling.

If you plan on travelling and you have not used your Pilot-12/24 Lite in the battery configuration, we strongly suggest that you test run the unit in the battery configuration prior to travelling in order to get an idea of what run-time you could expect. For optimal run times please disable any additional features such as the heated hose, the humidifier, EPR as well as properly adjust your mask to minimize air leakage.

If you have any other inquiries or would like to download the Medistrom Travel Letter please visit [www.medistrom.com](http://www.medistrom.com) or [www.choiceonemedical.com](http://www.choiceonemedical.com). For further technical support please email [support@medistrom.com](mailto:support@medistrom.com).

## **SECTION 5 - Storage and Disposal of your Pilot-12/24 Lite Battery Backup Power Supply**

**CAUTION!** Fully charge your Pilot Lite before storage and at least EVERY 6 MONTHS thereafter. Failure to do this will be considered negligence and will void the warranty.

Store the Pilot-12 Lite or Pilot-24 Lite in a cool, dark, well ventilated place with normal temperatures of 0 °C / 32 °F to 35 °C / 95 °F. CAUTION! Keep out of direct sunlight! The disposal of this unit should be carried out in accordance with applicable laws and regulations reflecting the purchaser's geographic location. For more information on where to recycle this product, please call 1-877-723-1297 or visit: [www.call2recycle.org](http://www.call2recycle.org)

## **SECTION 6 - Warnings and Safety Precautions**

**WARNING** – When using the Pilot-12 Lite/Pilot-24 Lite, basic precautions should always be followed including the following:

- a) **Read all the instructions before using the Pilot-12 Lite/Pilot-24 Lite.**
- b) **To reduce the risk of injury, close supervision is necessary when the Pilot-12 Lite/Pilot-24 Lite is used near children.**
- c) **Do not put fingers or hands into the Pilot-12 Lite/Pilot-24 Lite.**
- d) **Do not expose the Pilot-12 Lite/Pilot-24 Lite to rain or snow.**
- e) **Use of a power supply or charger not recommended or sold by Medistrom may result in a risk of fire or injury to persons.**
- f) **Do not use the Pilot-12 Lite/Pilot-24 Lite in excess of their respective output ratings. Overloading outputs above rating may result in a risk of fire or injury to persons.**
- g) **Do not use a Pilot-12 Lite/Pilot-24 Lite that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury to persons.**
- h) **Do not disassemble the Pilot-12 Lite/Pilot-24 Lite. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or injury to persons.**
- i) **Do not expose the Pilot-12 Lite/Pilot-24 Lite to fire or excessive temperature. Exposure to fire or temperature above 100°C (212°F).**
- j) **Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the Pilot-12 Lite/Pilot-24 Lite is maintained.**
- k) **Make sure the Pilot-12 Lite/Pilot-24 Lite is switched off when not in use.**

**SAVE THESE INSTRUCTIONS.**

## SECTION 7 - Warranty Information

Please contact your CPAP battery dealer for any warranty related issues or you can contact Medistrom technical support by emailing [support@medistrom.com](mailto:support@medistrom.com).

Medistrom guarantees that Pilot-12 Lite or Pilot-24 Lite Battery Backup Power Supply shall remain free from manufacturer defects for twelve months from the date of purchase. This warranty is not transferrable and will only be available to the original purchaser. This warranty does not cover physical damage resulting from improper use. Medistrom reserves the right to choose whether to repair or replace the product.

**CAUTION!** Fully charge your Medistrom Pilot-12 Lite or Pilot-24 Lite Battery Backup Power Supply before storage and EVERY 6 MONTHS. Failing to do so will void the warranty. Medistrom reserves the right to update the warranty policy without notice.

For the most up to date warranty information please visit [www.medistrom.com](http://www.medistrom.com) or contact support by emailing [support@medistrom.com](mailto:support@medistrom.com).

## SECTION 8 - Troubleshooting Guide

### NORMAL OPERATION

#### Green Charge Level Indicator Lights

4 solid green lights	Greater than 90% capacity remaining
3 solid green lights	65% - 90% capacity remaining
2 solid green lights	40% - 65% capacity remaining
1 solid green light	10% - 40% capacity remaining
Green lights flashing consecutively	Battery is charging

### ERROR CODES

Error	Possible Cause	Solution
Blue and green LEDs alternate flashing (Over Discharge State)	Battery has entered over-discharge protection to prevent damage to the cells.	Contact Medistrom technical support at 1-888-407-4791 (North America), 1-300-146-358 (Australia) or email <a href="mailto:support@medistrom.com">support@medistrom.com</a>
Blue LED flashing rapidly accompanied by short (200ms) beeping pattern	Incorrect AC adapter	Pilot-12 Lite: use the AC adapter provided with your ResPironics DreamStation or ResPironics System One S60 or other compatible power adapters (see section 1.3).  Pilot-24 Lite: use the AC adapter provided with your ResMed S9 or ResMed AirSense 10 or the Medistrom AC adapter (see section 2.3).
	Power source is damaged	Power strip or outlet wiring may be damaged. Plug AC adapter directly into wall outlet or try using the battery with a different wall outlet.

Blue LED flashing accompanied by long (1s) beeping pattern	The environmental temperature is too high for the battery to operate safely	Ensure that the battery is placed where there is no excess heat. Do not rest the battery on top of radiators or electronic devices that may emit heat. Do not attempt to use the battery in temperatures exceeding 40° C / 104° F
Blue LED flashing accompanied by short (500ms) and long (1s) alternate beeping pattern	Incorrect AC adapter being used	Pilot-12 Lite: use the AC adapter provided with your Respirationics DreamStation or Respirationics System One S60 or other compatible power adapters (see section 1.3). Pilot-24 Lite: use the AC adapter provided with your ResMed S9 or ResMed AirSense 10 or the Medistrom AC adapter (see section 2.3).
	PAP device connected to battery is incompatible	Ensure that the PAP device you are using is compatible with the Pilot-12 Lite or Pilot-24 Lite (see sections 1.3 and 2.3 respectively)
Four green LEDs flashing together accompanied by long (1s) beeping pattern	Incorrect AC adapter being used	Pilot-12 Lite: use the AC adapter provided with your Respirationics DreamStation or Respirationics System One S60 or other compatible power adapters (see section 1.3)  Pilot-24 Lite: use the AC adapter provided with your ResMed S9 or ResMed AirSense 10 or the Medistrom AC adapter (see section 2.3) If problem persists please contact Medistrom technical support at 1-888-407-4791 (North America), 1-300-146-358 (Australia) or email support@medistrom.com
Blue LED flashing accompanied by a short (500ms) short (500ms) long (1s) beeping pattern	PAP device connected to battery is incompatible	Ensure that the PAP device you are using is compatible with the Pilot-12 Lite or Pilot-24 Lite (see sections 1.3 and 2.3 respectively)
	DC output cable is damaged	Ensure that the cable connecting the Pilot-12 Lite or Pilot-24 Lite to your compatible PAP device is not damaged
Blue LED flashing accompanied by three short (500ms) beeping pattern	PAP device connected to battery is incompatible	Ensure that the PAP device you are using is compatible with the Pilot-12 Lite or Pilot-24 Lite (see sections 1.3 and 2.3 respectively)
Blue LED periodically flashing (no pattern)	Maximum battery power output	<b>No action required, the battery is operating correctly.</b> Depending on your prescribed pressure, enabled PAP device features and breathing rate the battery may reach maximum power output which is indicated by the periodically flashing blue LED
Blue LED flashing every 0.5 seconds	Battery capacity is below 5%	<b>Charge the battery as soon as possible.</b> The battery power level is critically low. Not charging the battery for a prolonged period will cause it to go into Over Discharge State.
Battery Not Providing Power (PAP Device or USB)	Battery is in Stand-by Mode	Press the Multi Function Button to wake the battery from Stand-by Mode. Disconnect all devices and cables. Plug your DC output cable into the DC Out port on the battery and press the Multi Function Button. For USB Devices: Disconnect all devices and cables. Plug your DC output cable into the DC Out port on the battery then plug in your USB device into the USB Out port and press the Multi Function Button.

Coil whine	Battery is being charged on lower voltage or lower wattage	<b>No action required, the battery is operating correctly.</b> The Pilot-12 Lite and Pilot-24 Lite are 12V and 24V backup batteries respectively.  You may hear coil whine (a faint buzzing sound) in later stages of charging if the battery is charging on lower voltages or on a lower wattage.
Battery is not Charging	Ambient charging temperature too high	The Pilot-12 Lite and Pilot-24 Lite heat up during regular portable usage.  On more demanding configurations such as those with high pressures, enabled humidifier and heated tubing, may cause the battery to heat up past optimal charging temperatures. Built-in features to maximize cell life will prevent the battery from charging in this state. Please allow the battery to cool down for 10-20min and try charging your battery again.

If errors persist after taking the recommended action(s) contact Medistrom technical support toll-free at 1-888-407-4791 (North America), 1-300-146-358 (Australia) or via email at support@medistrom.com. Do not disassemble the device or attempt to service the device yourself.

## SECTION 9 - Serial Number

Serial Number is 14 digits long. Serial number is located on the sticker on the back of the battery, and on the front of the packaging.

### 18010982412345

- Digits 1-4 (1801) manufacture date (YYMM)
- Digits 5-7 (098) Watt Hour capacity (098Wh)
- Digits 8-9 (24) Battery Voltage (24V/ 12V)
- Digits 10-14 (12345) production unit number

## SECTION 10 - Symbols



**Choice One Medical**  
1 Westside dr., unit 2A,  
Toronto, ON M9C 1B3  
Canada



**Advena Ltd.**  
Tower Business Centre, 2nd Flr,  
Tower Street, Swatar, BKR 4013,  
Malta



Follow instructions before use



Federal communications commission



Keep Dry



Stock keeping unit



Fragile handle with care



Serial number



Temperature limitation



Batch code



Humidity limitation



Canadian standards association



WEEE wheeled bin



Direct Current



European conformity mark



Caution