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MEDICAL

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# User Manual

DC Adapter





Model No.: DC-24A19

SKU No.: LTPDC

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## 1. Symbols

|   |  |
|---|--|
|  | Class II Equipment                             |
|  | Direct current                                 |
|  | Consult instructions for use                   |
|  | Marking of electrical and electronic equipment |

## 2. Intended Use

The DC Adapter is intended to provide power for the Auto CPAP System (model: Luna TravelPAP). It is intended for use in vehicles only.

### **CAUTION:**

- Any serious incidents that occur in relation to this device should be reported to the manufacturer and the competent authority in your country.
- Read and understand the entire user manual before operating this system. If you have any questions, please contact your equipment supplier.
- The pictures in the user manual are only for reference, if they are different from the material object, the latter shall prevail.

## 3. Specifications

### **Product Use, Transport and Storage**

#### **Operation**

Temperature: 5°C to 35°C (41°F to 95°F)

Humidity: ≤ 93% Non-condensing

Atmospheric Pressure: 760 to 1060 hPa

#### **Transport and Storage**

-25°C to 70°C (-13°F to 158°F)

≤ 93% Non-condensing

760 to 1060 hPa

### **DC input**

12Vdc-24Vdc, 3A-2A

### **DC Output**

19Vdc, 1.26A

### **Type of Protection Against Electric Shock**

Class II Equipment

### **Degree of Protection Against Ingress of Water**

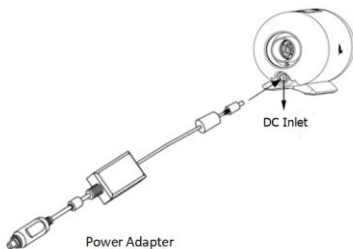
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## 4. Model

Model No.:DC-24019

## 5. Connecting to Power

- (1) Insert the plug of the power adapter into the DC Inlet of the device;
- (2) plug the other end of the power adapter into the cigarette lighter socket.



### **CAUTION:**

- Inspect the cord of power adapter often for any signs of damage. Replace a damaged power adapter immediately.
- After interruption and restoration of the power supply, the device will restore its pre-interruption working status automatically.

## 6. Disposal

When the DC adapter reaches the end of its service life, dispose of the device and packaging in accordance with local laws and regulations.

## 7. EMC Requirements

The energy emitted by this equipment passed both Radiated and Conducted Emissions Class B limits.

| Test Item  | Normative References   |
|--|------------------------|
| Conducted Emission                                       | EN 55011:2016/A11:2020 |
| Radiated Emission  | EN 55011:2016/A11:2020 |
| Electrostatic Discharge Immunity Test(ESD)               | IEC 61000-4-2:2008     |
| Radio Frequency electromagnetic field immunity test (RS) | IEC 61000-4-3:2020     |

|   |                    |
|---|--------------------|
| Power Frequency Magnetic Field Immunity Test  | IEC 61000-4-8:2009 |
| Transients and Surges in the Vehicular        | ISO 7637-2:2011    |
| Radio disturbance characteristics in Vehicles | CISPR25            |

**Guidance and manufacturer's declaration - electromagnetic immunity**

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.

| <b>Immunity Test</b>  | <b>IEC 60601 Test Level</b>                              | <b>Compliance Level</b>                        |
|---|--|--|
| Electrostatic discharge<br>(ESD)<br>IEC 61000-4-2                     | ±8 kV contact discharge<br>±2/±4/±8/±15 kV air discharge | ±8 kV contact<br>±2/±4/±8/±15 kV air discharge |
| Radiated RF<br>IEC 61000-4-3  | 10 V/m<br>80 MHz to 2.7 GHz                              | 10 V/m<br>80 MHz to 2.7 GHz                    |
| Power frequency<br>(50 Hz / 60 Hz)<br>magnetic field<br>IEC 61000-4-8 | 50/60 Hz, 30 A/m   | 50/60 Hz, 30 A/m                               |

Note 1: At 80 MHz and 800 MHz, the higher frequency range applied.

Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**Recommended separation distances between RF wireless communications equipment**

The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between RF wireless communications equipment and the device as recommended below, according to the maximum output power of the communications equipment.

| <b>Frequency<br/>MHz</b> | <b>Maximum<br/>Power (W)</b> | <b>Distance (m)</b> | <b>IMMUNITY<br/>Test Level</b> | <b>Compliance Level</b> |
|--------------------------|------------------------------|---------------------|--------------------------------|-------------------------|
| 385                      | 1.8                          | 0.3                 | 27                             | 27                      |
| 450                      | 2                            | 0.3                 | 28                             | 28                      |
| 710                      | 0.2                          | 0.3                 | 9                              | 9                       |
| 745                      |                              |                     |                                |                         |
| 780                      |                              |                     |                                |                         |
| 810                      | 2                            | 0.3                 | 28                             | 28                      |
| 870                      |                              |                     |                                |                         |
| 930                      |                              |                     |                                |                         |
| 1720                     | 2                            | 0.3                 | 28                             | 28                      |
| 1845                     |                              |                     |                                |                         |
| 1970                     |                              |                     |                                |                         |
| 2450                     | 2                            | 0.3                 | 28                             | 28                      |
| 5240                     | 0.2                          | 0.3                 | 9                              | 9                       |
| 5500                     |                              |                     |                                |                         |
| 5785                     |                              |                     |                                |                         |

Note: If the immunity test level is required, the distance between the transmitting antenna and the ME device or the ME system can be reduced to 1 meter. A test distance of 1 meter was allowed by IEC 61000-4-3.

## 8. *Limited Warranty*

REACT HEALTH warrants that the device shall be free from defects of workmanship and materials and will perform in accordance with the product specifications for a period of three (3) months from the date of sale by REACT HEALTH to the distributor. If the product fails to perform in accordance with the product specifications, REACT HEALTH will repair or replace, at its option, the defective material or part. REACT HEALTH will pay customary freight charges from REACT HEALTH to the distributor location only. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship.

REACT HEALTH DISCLAIMS ALL LIABILITY FOR ECONOMIC LOSS, LOSS OF PROFITS, OVERHEAD OR CONSEQUENTIAL DAMAGES WHICH MAY BE CLAIMED TO ARISE FROM ANY SALE OR USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

To exercise the rights under this warranty, contact the local authorized distributors or:

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For additional information, please visit our website at: [www.reacthealth.com](http://www.reacthealth.com)  
[icodeconnect.com](http://icodeconnect.com) is the web-based cloud solution for report generation and storage.

### **Manufacturer:**

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