



# AirMini™

## FAQ



## Table of contents

|   |          |
|---|----------|
| <b>1. AirMini tubing and ActiveAir technology</b>   | <b>1</b> |
| 1.1. Can the silicone dislodge/fail, if it did, what could happen?                                    | 1        |
| 1.2. Why do I feel like I am not getting enough air?  | 1        |
| 1.3. How often should the AirMini tube be cleaned?  | 1        |
| 1.4. There is air expelling out of my tube. Is my tube leaking?                                       | 2        |
| 1.5. Can I use my AirMini Tube or HumidX with AirSense 10 device?                                     | 2        |
| <b>2. Humidification</b>  | <b>3</b> |
| 2.1. Can I clean the HumidX?  | 3        |
| 2.2. How often does the HumidX need to be replaced?   | 3        |
| 2.3. What will happen if the HumidX is used well over 30 days?  | 3        |
| 2.4. Does the HumidX have a used by date/shelf life?  | 3        |
| 2.5. Can I still use the HumidX if I got it wet?  | 3        |
| 2.6. I am not getting adequate humidification. What should I do?                                      | 3        |
| 2.7. Why is there no humidification for full face masks?  | 3        |
| <b>3. Flow generator</b>  | <b>4</b> |
| 3.1. Why is there no user interface?  | 4        |
| 3.2. The machine seems quite warm when powered on. Is this normal?                                    | 4        |
| 3.3. Will I be at risk if I fall asleep and accidentally cover the air intake?                        | 4        |
| 3.4. I am worried that the AirMini machine fall off the bedside table in the night. What should I do? | 4        |
| 3.5. Will the white AirMini machine become dirty quite quickly?                                       | 4        |
| 3.6. What type of drop testing was performed with AirMini?  | 4        |
| 3.7. What is the operating temperature range for the AirMini machine?                                 | 4        |
| 3.8. What's the max altitude for the machine?   | 5        |
| 3.9. If I use the AirMini in other countries, will the power supply unit automatically convert?       | 5        |
| 3.10. My CPAP machine displayed an error message. What should I do?                                   | 5        |
| 3.11. How often does the filter need to be replaced?  | 5        |
| <b>4. Masks</b>   | <b>6</b> |
| 4.1. What masks can be used with AirMini?   | 6        |
| 4.2. Why can I not use my current mask with AirMini?  | 6        |
| <b>5. AirMini vs. AirSense 10</b>   | <b>7</b> |
| 5.1. Is AirMini noisier than AirSense 10?   | 7        |
| 5.2. What is the conducted/radiated noise of AirMini vs. AirSense 10, how much louder is it?          | 7        |



|   |           |
|---|-----------|
| <b>6. Bluetooth</b>   | <b>8</b>  |
| 6.1. How do I pair my device?   | 8         |
| 6.2. Do I need Bluetooth® to use the app?   | 8         |
| 6.3. If the QR or security code label fade or become damaged, will I still be able to Bluetooth® pair? .... | 8         |
| 6.4. How secure is the Bluetooth® connection?   | 9         |
| 6.5. Will a Bluetooth® connection with AirMini drain the battery on my smart device?                        | 9         |
| 6.6. How do I reconnect my AirMini to my smart device?  | 9         |
| 6.7. How can I disconnect Bluetooth connection between the app and the machine?                             | 9         |
| 6.8. How can I forget a Bluetooth connection within my smart device?  | 9         |
| 6.9. What will happen if my smart device battery dies during the night? Will my therapy be affected? ...    | 9         |
| 6.10. How many smart devices can be paired with an AirMini machine?   | 9         |
| 6.11. Can I pair with other Bluetooth devices whilst paired with AirMini?                                   | 9         |
| 6.12. How does the AirMini machine connect to my smart device?  | 10        |
| 6.13. Is there any indication on the AirMini machine that it is connected to the app?.....                  | 10        |
| 6.14. The AirMini app just crashed. Do I need to pair the device again?.....                                | 10        |
| 6.15. How close does my phone have to be from the AirMini machine for the app to work?.....                 | 10        |
| 6.16. QR code - Is it used after the initial setup? .....   | 10        |
| <b>7. Data</b>  | <b>11</b> |
| 7.1. Where can I view my data?.....   | 11        |
| 7.2. Can my clinician track patient sleep data remotely? .....  | 11        |
| 7.3. Will my data save if my phone was to disconnect or run out of battery? .....                           | 11        |
| 7.4. How do I access my sleep data past 30 days?.....   | 11        |
| 7.5. How do I recover my data if I accidentally erased everything? .....                                    | 11        |
| 7.6. Does AirMini send my personal information to the cloud? .....  | 11        |
| 7.7. When does my machine send my data? .....   | 11        |
| 7.8. How do I transfer my data from my AirMini machine to the app? .....                                    | 11        |
| 7.9. What will be displayed in the app if I use my AirMini machine in multiple segments (i.e. naps)? .....  | 11        |
| 7.10. Can I view data that was recorded prior to Bluetooth® pairing? .....                                  | 11        |
| <b>8. AirMini app General Information</b>   | <b>12</b> |
| 8.1. My AirMini app says that it wasn't used last night, but I know I used it. What should I do? .....      | 12        |
| 8.2. Do I need a smart device and the app to operate the device? .....                                      | 12        |
| 8.3. Does the AirMini app work with AirSense10 machine? .....   | 12        |
| 8.4. How does the AirMini app calculate my score? .....   | 12        |
| 8.5. How much battery does the app consume? .....   | 14        |



|            |  |           |
|------------|--|-----------|
| 8.6.       | Is AirMini compatible with my tablet? .....  | 14        |
| 8.7.       | Where can I track the status and progression of my therapy? .....                                    | 14        |
| 8.8.       | Can I create a report from the AirMini app?.....   | 14        |
| 8.9.       | Can I navigate around the app while my phone is in use on therapy? .....                             | 14        |
| 8.10.      | Can I use my phone for other things while on therapy? .....  | 14        |
| 8.11.      | I have a Windows phone. Can I use the AirMini machine with that? .....                               | 15        |
| 8.12.      | How do I remove my AirMini data from my smart device? .....  | 15        |
| 8.13.      | Can I still use AirMini machine when I travel on an aeroplane? .....                                 | 15        |
| 8.14.      | I am having trouble opening the user guide in the app, how do I proceed? .....                       | 15        |
| <b>9.</b>  | <b>AirMini app Internet connection .....</b>   | <b>16</b> |
| 9.1.       | Do I need an internet connection to use AirMini app?.....  | 16        |
| 9.2.       | The internet in my bedroom is unreliable or does not exist. Can I still use the AirMini machine? ... | 16        |
| 9.3.       | Do I have to be connected to the internet to be able to 'Report a Bug'?.....                         | 16        |
| 9.4.       | How much cellular data will it consume if I'm not connected to WiFi? .....                           | 16        |
| <b>10.</b> | <b>AirMini app Features.....</b>   | <b>17</b> |
| 10.1.      | Can I start and stop the AirMini machine from AirMini app?.....                                      | 17        |
| 10.2.      | How do I enable SmartStart? .....  | 17        |
| 10.3.      | How do I turn airplane mode on? .....  | 17        |
| 10.4.      | What does events per hour mean?.....   | 17        |
| 10.5.      | How can I see my leak value? .....   | 17        |
| 10.6.      | Can I run mask fit on AirMini without a smart device?.....   | 17        |
| 10.7.      | What does good mask seal mean?.....  | 17        |
| 10.8.      | Can the AirMini app detect when I need to change my equipments (filters, humidifier, mask)? .....    | 17        |
| <b>11.</b> | <b>AirMini app Settings.....</b>   | <b>18</b> |
| 11.1.      | Where can I find my pressure and other machine settings? .....                                       | 18        |
| 11.2.      | How can I change the comfort settings on the AirMini machine?.....                                   | 18        |
| 11.3.      | How do I change my AirMini machine pressure settings?.....   | 18        |
| <b>12.</b> | <b>Treatment .....</b>   | <b>19</b> |
| 12.1.      | I have a cold. Should I keep using my AirMini machine? .....   | 19        |
| <b>13.</b> | <b>Security .....</b>  | <b>20</b> |
| 13.1.      | What did I agree to when I ticked the boxes in AirMini (Terms & Conditions and Privacy Policy)? ...  | 20        |
| 13.2.      | Is my information secure?.....   | 20        |
| <b>14.</b> | <b>Accessories.....</b>  | <b>21</b> |



**ResMed**

|       |  |    |
|-------|--|----|
| 14.1. | Does AirMini have a battery?.....          | 21 |
| 14.2. | Is there a DC-DC converter available?..... | 21 |



## 1. AirMini tubing and ActiveAir technology

### 1.1. Can the silicone dislodge/fail, if it did, what could happen?

The silicone membrane is physically encased inside the vent housing and is held in place with retainer components. It would require significant distortion to enable the membrane to dislodge. If damaged, the tubing component should be replaced as a missing membrane would result in high flows and increased noise from the vent.

### 1.2. Why do I feel like I am not getting enough air?

Ramp may be in progress. Using the AirMini app, confirm the Ramp function is enabled. If so, wait for air pressure to build up or turn Ramp Time off.

HumidX or vent might be blocked. Inspect the HumidX and vent for blockages or damage. Refer to Cleaning and maintenance for more information.

HumidX may be wet. The HumidX should be dry when starting therapy. Check if HumidX is wet and replace as necessary.

If problem persists, please consult your care provider.

### 1.3. How often should the AirMini tube be cleaned?

The recommendation is to check and clean the AirMini tube every week by washing it in warm water with mild liquid detergent, rinsing thoroughly and shaken dry. Check clean the mask connectors in a similar manner as the AirMini tube.

Refer to the user guide for full cleaning instructions.



**ResMed**

#### **1.4. There is air expelling out of my tube. Is my tube leaking?**

When the system is correctly assembled, airflow will be felt from the ActiveAir vents in either the Vent Module (N20 connector, P10 for AirMini) or from the F20 connector elbow as shown in Figure 1.

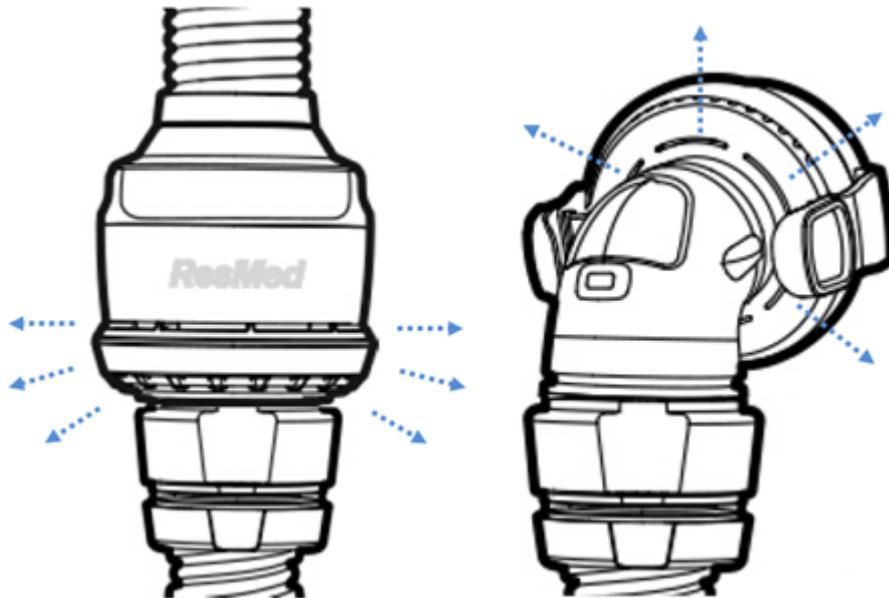


Figure 1: N20 and P10 for AirMini (Left), F20 connector elbow (Right)

If this is not the location of the leak, it is possible that the tubing is not assembled (or connected) correctly. Check correct tubing assembly in the user guide instructions.

#### **1.5. Can I use my AirMini Tube or HumidX with AirSense 10 device?**

The unique ActiveAir connector designed for the AirMini tube only works specifically with AirMini. Therefore, ActiveAir technology and HumidX are not compatible with AirSense 10.



## 2. Humidification

### 2.1. Can I clean the HumidX?

No. The HumidX cannot be cleaned and should be replaced 30 days after opening the packaging.

### 2.2. How often does the HumidX need to be replaced?

The HumidX needs to be replaced 30 days after its packaging is opened. If the HumidX was not used every day during the 30-day period, it must still be replaced. The HumidX design life bases on the date of opening the packaging not the number of days used during therapy, however it is important to inspect the HumidX regularly.

### 2.3. What will happen if the HumidX is used well over 30 days?

ResMed does not recommend the HumidX to be used beyond 30 days. If the HumidX is used beyond 30 days this can cause deterioration in cleanliness, humidification performance and breathing comfort which can affect safe and efficacious use of AirMini. Ensure the HumidX and other components of the AirMini system are regularly maintained as per the user instructions.

### 2.4. Does the HumidX have a used by date/shelf life?

No, the HumidX does not have a used by date and can be stored indefinitely without any impact to the safety or efficacy of therapy. Note however that if the packaging has been opened, damaged or torn at the time of receipt, the HumidX should be discarded and replaced with a new one.

### 2.5. Can I still use the HumidX if I got it wet?

No, if the HumidX gets wet (saturated) it is recommended to be discarded and replaced.

### 2.6. I am not getting adequate humidification. What should I do?

The HumidX performance declines with leak events and therefore is more suited to low leak users (around half of the active humidification population). In order to maximise humidification, we recommend first trying to minimise leak.

If the HumidX is still not providing the desired level of humidification try swapping between the HumidX & HumidX Plus to see if this improves comfort levels.

If neither of these options help, waterless humidification may not be suitable for your humidification needs. Please speak to your healthcare provider about trying active humidification on an AirSense device.

### 2.7. Why is there no humidification for full face masks?

Using the current HumidX technology we are unable to develop a Heat and Moisture Exchanger for full faced masks that can deliver the desired level of humidification performance. ResMed is currently researching next generation humidification technology that we hope will allow us to develop a Heat and Moisture Exchanger for full faced masks with the desired humidification performance in the future.



## 3. Flow generator

### 3.1. Why is there no user interface?

The design of AirMini is to support both simplicity and a richer experience depending on your preference. To support this, we designed AirMini with a simple one-button interaction for simplicity and an accompanying app to unlock a richer, more engaging therapy experience.

### 3.2. The machine seems quite warm when powered on. Is this normal?

Due to its reduced size, the AirMini machine may get warm when running under normal circumstances. These temperatures are not a safety risk, and the inbuilt thermal cut-off will prevent damage to the device should it get too hot during operation.\*

\* Testing reported in eLB0817-165 AirMini Thermal Challenge Test Results, ref 3.6, shows that in normal use – even at more demanding settings – temperatures in the blower do not go much above 40°C. Does not give rise to any hazard or cause any reduction in life-expectancy for the blower.

### 3.3. Will I be at risk if I fall asleep and accidentally cover the air intake?

AirMini is designed to mitigate this kind of risk, however it is important to ensure that the vent is not blocked or covered as this can cause the device to overheat. Due to this, we do not recommend placing the AirMini machine in the bed, or under a pillow, sheet or blanket. If the device does get too warm the inbuilt thermal cut-off will turn off the device, preventing risk of harm to you or damage to the device.

There is a mount system available if you do not want to place the device on a bedside table.

### 3.4. I am worried that the AirMini machine fall off the bedside table in the night. What should I do?

AirMini is designed to grip onto the surface of the bedside table. In addition, the AirMini mount system is available and has been designed to secure the machine in various bedside locations.

### 3.5. Will the white AirMini machine become dirty quite quickly?

Over time markings on the white device may become more noticeable, however this can be easily cleaned with a dry cloth as per the user guide.

### 3.6. What type of drop testing was performed with AirMini?

At what height is it OK to drop it from? ResMed does not recommend intentionally dropping the AirMini machine. However, the testing conducted was equivalent to that done on AirSense 10, showing that AirMini remains safe if dropped from a height of 1m or subjected to a weight of 100kg.

### 3.7. What is the operating temperature range for the AirMini machine?

AirMini's optimal performance temperature range is between 5°C to 35°C (41°F to 95°F).

The operating temperature range is similar to that of the AirSense 10 machine. Optimal performance of the AirMini machine's performance cannot be guaranteed if operated outside the recommended temperature range.



### **3.8. What's the max altitude for the machine?**

The AirMini machine has been tested to ensure normal operation at in altitudes between sea level to 8500' (2591m).

### **3.9. If I use the AirMini in other countries, will the power supply unit automatically convert?**

Yes, the design of the AirMini machine accepts an AC input range of 100-240V and a DC output of 24V. However, purchasing the correct AirMini power supply unit for the country you are visiting is recommended to ensure correct performance of your AirMini machine. Contact your care provider for more information.

### **3.10. My CPAP machine displayed an error message. What should I do?**

Please contact your homecare provider if you are having any issues with your AirMini machine.

### **3.11. How often does the filter need to be replaced?**

The air filter should be replaced every 6 months and cannot be washed. Check the air filter regularly and replace if there is any visible damage, blockages, dirt or dust.



## 4. Masks

### 4.1. What masks can be used with AirMini?

AirMini is compatible with the 20 Series masks and AirFit P10 for AirMini. These masks include but are not limited to:

- AirFit F20
- AirFit F20 for her
- AirFit N20
- AirFit N20 for her
- AirFit P10 for AirMini

### 4.2. Why can I not use my current mask with AirMini?

The ActiveAir and HumidX technology are new technologies that have only been implemented for AirMini. As a result the 20 series masks and AirFit P10 for AirMini are the only masks designed to work with the new AirMini system, therefore no other masks are compatible with the AirMini machine.



## 5. AirMini vs. AirSense 10

### 5.1. Is AirMini noisier than AirSense 10?

Yes. AirMini is designed to be as quiet as possible, but is still not as quiet as AirSense 10. A slight increase in noise is a result of the significant reduction in size when compared to AirSense 10.

The noise experienced when using AirMini may differ from previous machines due to the nature of the AirMini and ActiveAir vent. In our experience, patients are able to get used to this difference after a few nights of therapy.

### 5.2. What is the conducted/radiated noise of AirMini vs. AirSense 10, how much louder is it?

In terms of radiated noise, the AirMini is approximately 2dBA louder than AirSense 10 ( $\pm 2$ dBA uncertainty).

In terms of conducted noise, results from internal testing are as follows:

|                            | AirSense 10, with end cap | AirMini (P3) |
|----------------------------|---------------------------|--------------|
| Conducted Noise (LLeq), dB | 96.6                      | 100          |

This testing shows that in terms of conducted noise, AirMini is 3.4dB louder than AirSense 10. However, as noise is a very subjective issue, perception and tolerance may vary from one individual to another.



## 6. Bluetooth

### 6.1. How do I pair my device?

Before connecting the AirMini machine to a smart device, ensure that the latest version of the AirMini app is installed on the smart device. If not, download the AirMini app from the app Store™ or Google Play™.

1. Ensure that the AirMini machine is set up correctly and plugged into a power source.  
Refer to the machine user guide for additional information on setup.
2. On the smart device, enable Bluetooth®.  
Refer to the smart device user guide for instructions on enabling Bluetooth®.
3. The first time you open the AirMini app, you will be asked to consent to the use of cookies and to accept ResMed's Terms and Conditions and Privacy Policy.  
Check the box on the Welcome screen and then tap Continue.
4. On the AirMini machine, press the Bluetooth® button when prompted by the AirMini app.  
When the light on the AirMini machine starts to flash blue, Bluetooth® is enabled on the machine and ready to connect.
5. On the smart device, tap Connect.  
When the AirMini machine is discovered, the machines name, ResMedXXXXXX, will appear in the accessory selection list.
6. Select the machine name from the list to connect.
7. The first time you pair the AirMini machine with the smart device, you will need to perform the authentication procedure.  
When prompted by the AirMini app, begin the authentication process by tapping Scan code. You will be prompted by the AirMini app to allow the use of the smart device's camera and to position the machine's QR code within the camera's viewing frame  
Note: The QR code is located on the back of the AirMini machine.  
Alternatively, you can authenticate by entering the four-digit key located on the back of the machine.
8. Tap Continue. When successfully connected, the Bluetooth® connection icon is displayed in the top right corner of the AirMini app.

Notes:

- As long as the AirMini is plugged into a power source, it is turned on and in standby mode.
- If the AirMini is plugged into a power source, leaving Bluetooth® enabled on the smart device ensures that each time the smart device comes within the vicinity of the AirMini, connection will occur automatically.
- You should only pair a smart device with one machine at a time.

### 6.2. Do I need Bluetooth® to use the app?

Yes. Bluetooth® is needed to pair and connect your compatible smart device to the AirMini machine.

### 6.3. If the QR or security code label fade or become damaged, will I still be able to Bluetooth® pair?

If the QR code on the device is not readable you can try the four-digit code instead. If neither are readable due to damage or fading on the device label, then you should contact your healthcare provider/ResMed representative for assistance.



#### **6.4. How secure is the Bluetooth® connection?**

The Bluetooth® connection is secured by scanning the QR code or entering the four-digit code to pair. This code ensures that only the primary user of the machine can pair a smart device. This helps provide a private connection between your smart device and the machine to secure your sleep data.

#### **6.5. Will a Bluetooth® connection with AirMini drain the battery on my smart device?**

Activating Bluetooth® will increase battery consumption on the smart device. A Bluetooth® connection between the smart device and the AirMini is not required to run therapy. If you are worried about battery drain, we suggest keeping the smart device charging while you sleep, or turning off your Bluetooth® or turning on your Airplane mode on your smart device.

#### **6.6. How do I reconnect my AirMini to my smart device?**

Your smart device should automatically reconnect to the AirMini machine after you have successfully paired once; assuming Bluetooth® is activated and visible on your smart device.

However, you can also connect by simply tapping the Bluetooth® icon on the top right corner of the app's home screen. A prompt to connect your smart device with the AirMini machine will appear.

The Bluetooth® icon will be visible in the app and the Bluetooth® LED on the machine will turn blue and remain blue when paired with your smart device and AirMini machine.

#### **6.7. How can I disconnect Bluetooth connection between the app and the machine?**

- For any user:
  - iOS – Settings > Bluetooth > Under My Devices, tap on the 'i' icon > Disconnect
  - Android – can only unpair. To do so, go to: Settings > Bluetooth > Paired device, tap on the 'cogs' icon > Unpair

#### **6.8. How can I forget a Bluetooth connection within my smart device?**

- iOS – Settings > Bluetooth > My Devices, tap on the 'i' icon > Forget This Device
- Android – Settings > Bluetooth > Paired device, tap on the 'cogs' icon > Unpair

#### **6.9. What will happen if my smart device battery dies during the night? Will my therapy be affected?**

If the smart device disconnects for any reason, the AirMini will continue to deliver therapy uninterrupted. The data will be transmitted to your smart device when it next connects to the machine.

#### **6.10. How many smart devices can be paired with an AirMini machine?**

AirMini can only be connected via Bluetooth® with one smart device at a time. If another smart device initiates a Bluetooth® connection with the same AirMini, the machine will disconnect from the previous smart device before connecting to the new smart device.

#### **6.11. Can I pair with other Bluetooth devices whilst paired with AirMini?**

Yes, the connection with AirMini should not interfere with other Bluetooth connections



### **6.12. How does the AirMini machine connect to my smart device?**

The AirMini machine uses Bluetooth® to connect to your smart device.

### **6.13. Is there any indication on the AirMini machine that it is connected to the app?**

The AirMini machine will display a solid (non-flashing) blue LED above the Bluetooth Icon.

### **6.14. The AirMini app just crashed. Do I need to pair the device again?**

If the Bluetooth connection was already established, then once the machine is plugged in, the app will automatically pair with the machine.

If no Bluetooth connection is established then you will need to pair with the machine again.

### **6.15. How close does my phone have to be from the AirMini machine for the app to work?**

The AirMini machine connects through a Bluetooth® signal to your supported smart device. If the smart device is moved out of range of the AirMini machine (approximately 10m radius with clear line of sight), the signal will drop and the unit will become disconnected.

This will not prevent the device to properly function and deliver therapy, as it doesn't need to be connected to the app to do that.

### **6.16. QR code - Is it used after the initial setup?**

The QR code is used to establish trust and authenticate Bluetooth pairing between the AirMini and the AirMini app. Once a Bluetooth connection is established between AirMini and a smart device, the QR code should not be required to reconnect to the same AirMini machine using the same smart device.



## 7. Data

### 7.1. Where can I view my data?

Sleep score and sleep statistics is viewable in the AirMini app. AirView support will come online soon and clinicians will be able to view night profile data in AirView.

### 7.2. Can my clinician track patient sleep data remotely?

AirView support will come online soon. When it does your clinician will be able to remotely access your sleep data through AirView.

### 7.3. Will my data save if my phone was to disconnect or run out of battery?

Yes, the AirMini machine stores your data internally. The AirMini app will read this data when you next connect via Bluetooth®.

### 7.4. How do I access my sleep data past 30 days?

Patients are unable to personally access any sleep data that exceeds past the previous 30 days. However, you can refer to your sleep clinician specialist.

### 7.5. How do I recover my data if I accidentally erased everything?

If the "Erase All" button has been selected, all the data will be cleared and won't be recoverable. We have included a confirmation prompt in the AirMini app when "Erase All" is selected to help avoid accidental deletion of patient data.

### 7.6. Does AirMini send my personal information to the cloud?

No, AirMini app does not transmit your data from your smart device unless you choose to send a bug report by email.

### 7.7. When does my machine send my data?

Your data is usually transmitted to the AirMini app every minute as long as the app is paired with the machine.

### 7.8. How do I transfer my data from my AirMini machine to the app?

Data is transferred automatically, provided the AirMini machine is connected via Bluetooth® to your supported smart device.

### 7.9. What will be displayed in the app if I use my AirMini machine in multiple segments (i.e. naps)?

Your daily therapy score displayed in the AirMini app represents data collected over a 24-hour period from noon to noon. If additional sessions are recorded within the same period, the app will update your therapy score once data is received via a Bluetooth® connection.

### 7.10. Can I view data that was recorded prior to Bluetooth® pairing?

Yes, the AirMini machine stores your data internally. The AirMini app will read the last 30 days of data when you connect via Bluetooth®.



## 8. AirMini app General Information

### 8.1. My AirMini app says that it wasn't used last night, but I know I used it. What should I do?

Check that:

- Your AirMini machine plugged into power outlet.
- There is a Bluetooth connection between the AirMini machine and the smart device.
- Ensure that you have your phone close to your machine.
- Ensure that the LED on the machine for the Bluetooth is blue. If the LED is white it means that the machine is in Airplane mode. If so, please tap the Bluetooth LED and that shall disable the Airplane mode.

### 8.2. Do I need a smart device and the app to operate the device?

No. Using a smart device for the AirMini app provides access to comfort settings and a richer therapy experience. Once initial setup is complete, you will not need to use it to operate the machine on an ongoing basis.

### 8.3. Does the AirMini app work with AirSense10 machine?

No, the AirMini app does not work with an AirSense 10 machine. If you have a ResMed AirSense 10 machine you can use myAir™ to track your CPAP treatment. Go to <https://MyAir.ResMed.com/>.

### 8.4. How does the AirMini app calculate my score?

The AirMini app calculates your score by analysing your nightly therapy data. A higher score is a general correlates to a better night sleep. You get points based on the following four key categories:

#### Usage hours

The point system for usage works in 10's. If you use your therapy for 1 hour you get 10 points, or for 6 hours you get 60 points. The more time you sleep with your therapy, the more points you receive, up to a maximum of 70 points.

| Hours       | Points |
|-------------|--------|
| Less than 1 | 0      |
| 1           | 10     |
| 2           | 20     |
| 3           | 30     |
| 4           | 40     |
| 5           | 50     |
| 6           | 60     |
| 7           | 70     |



### Mask Seal

The better your mask seal, the more points you get. This category can help you know if you need to adjust or change your mask to get a better fit. If your mask seal is poor, it can affect your comfort and the quality of your treatment. Your score reduces as your mask leak increases. You can get up to 20 points for minimal mask leak, 10 to 15 points for moderate leak, and 0 to 10 points for higher leak.

| L/min      | Points |
|------------|--------|
| 0 – 16     | 20     |
| 17-18      | 19     |
| 19-20      | 18     |
| 21-22      | 17     |
| 23-24      | 16     |
| 25-26      | 15     |
| 27-28      | 14     |
| 29-30      | 13     |
| 31-32      | 12     |
| 33-34      | 11     |
| 35-36      | 10     |
| 37-38      | 9      |
| 39-40      | 8      |
| 41-42      | 7      |
| 43-44      | 6      |
| 45-46      | 5      |
| 47-48      | 4      |
| 49-50      | 3      |
| 51-52      | 2      |
| 53-54      | 1      |
| 55 or more | 0      |

### Events per hour

The fewer breathing events you have each hour the more points you get. These breathing events are also known as the apnoea-hypopnoea index (or AHI). AirMini measures how many times your breathing partially or fully stops each hour. If you have minimal events, you get 4 to 5 points.

Check with your healthcare provider or sleep doctor if you would like to know more about the number of breathing events that you have per hour.

| Events per hour | Points |
|-----------------|--------|
| 0 - 6           | 5      |
| 7 - 9           | 4      |
| 10 - 12         | 3      |
| 13 - 15         | 2      |
| 16 - 18         | 1      |
| 19 or more      | 0      |



## Mask on/off

The fewer times you take your mask on and off throughout the night, the more points you get. Everyone has to take their mask on and off one time during treatment. So, for example, if you remove your mask one or two times, you get 4 to 5 points. However, if you take your mask on and off several times, it can indicate a problem with mask fit or with your sleep in general.

| Events    | Points |
|-----------|--------|
| 1-2       | 5      |
| 3         | 4      |
| 4         | 3      |
| 5         | 1      |
| 6 or more | 0      |

### 8.5. How much battery does the app consume?

Over a 10-hour period, when connected to the device via bluetooth, the app will typically consume on average around 20% of a smart devices battery. This value may slightly vary depending on battery optimisations of the smart devices operating system.

### 8.6. Is AirMini compatible with my tablet?

AirMini app may function on an iPad® or iPod touch®. However, these devices are not officially supported and therefore app operation and user experience may vary.

Please refer to [www.resmed.com/uk/en/consumer/products/airmini-app.html](http://www.resmed.com/uk/en/consumer/products/airmini-app.html) for the full smart device compatibility list.

### 8.7. Where can I track the status and progression of my therapy?

The Sleep screen displays current pressure in real-time. The sleep dashboard shows your sleep report and the progression of therapy.

Sleep data and therapy score can be accessed from the Dashboard screen once therapy is complete.

### 8.8. Can I create a report from the AirMini app?

Currently, the AirMini app only allows you to view your data, no reports can be generated. AirView support will come on line soon, at which point your clinician will be able to remotely create a report with your data

### 8.9. Can I navigate around the app while my phone is in use on therapy?

The AirMini app prevents you from accessing other screens of the app whilst on therapy to minimise misinterpretations of data as sleep scores are designed to represent an average from the overall sleep session.

### 8.10. Can I use my phone for other things while on therapy?

Yes, the AirMini app should not interfere with normal operation of the smart device.



### **8.11. I have a Windows phone. Can I use the AirMini machine with that?**

No, there is currently no Windows application available. Only iOS and Android™ operating systems are supported. See [www.resmed.com/uk/en/consumer/products/airmini-app.html](http://www.resmed.com/uk/en/consumer/products/airmini-app.html) for latest compatibility list.

### **8.12. How do I remove my AirMini data from my smart device?**

Uninstalling the AirMiniapp will ensure that all sleep data is removed from the smart device.

### **8.13. Can I still use AirMini machine when I travel on an aeroplane?**

If you have access to power, you can use your AirMini machine when you travel on an aeroplane. Please set it to airplane mode before you travel (refer to travelling section of your AirMini user guide for instructions on entering and exiting airplane mode).

We are working on a battery that will be released soon. It will allow you use AirMini in an airplane, even when you don't have access to power.

### **8.14. I am having trouble opening the user guide in the app, how do I proceed?**

The user guide is not compatible with all PDF apps, try opening the user guide with an alternative app.



## 9. AirMini app Internet connection

### 9.1. Do I need an internet connection to use AirMini app?

No, you do not need an internet connection to use AirMini app. However, you will need a Wi-Fi or cellular connection on your smart device if you wish to 'Send feedback' via the app or when upgrading the AirMini firmware.

### 9.2. The internet in my bedroom is unreliable or does not exist. Can I still use the AirMini machine?

Yes, the AirMini machine does not require an internet connection to operate, record your sleep session or transfer the data to your smart device for processing.

### 9.3. Do I have to be connected to the internet to be able to 'Report a Bug'?

The support system connects directly to an email platform which will require an internet connection to send the report.

### 9.4. How much cellular data will it consume if I'm not connected to WiFi?

If the connection through WiFi is lost, the cellular data may be used to update sleep device data. Data costs can vary depending on your mobile plan. However, costs should be minimal as the data being sent to the cloud by the AirMini app is only approximately 100kB per night\*. If you are concerned though you can set the Airmini app parameters in your smart device' settings menu so that your data is sent to the cloud only while connected to WiFi.

\* The size of one night's worth of data is 100kB. Downloading 30 days of data from the AirMini Machine is 2.5MB.



## 10. AirMini app Features

### 10.1. Can I start and stop the AirMini machine from AirMini app?

Yes, you can start and stop the machine from the Sleep screen

### 10.2. How do I enable SmartStart?

Enable SmartStart via the Sleep screen in the AirMini app when Bluetooth® connected to the AirMini machine. When SmartStart is enabled, therapy will start automatically when you breathe into your mask.

### 10.3. How do I turn airplane mode on?

Please see your AirMini user guide for instructions on turning airplane mode on and off. Note: Airplane mode will prevent data transferring from the AirMini machine to the AirMini app.

### 10.4. What does events per hour mean?

Events per hour means the number of breathing events -- called apnoea's and hypopneas -- you experience each hour.

When you have an apnoea there is a blockage of your airway that greatly restricts ( $\geq 90\%$ ) air flowing into your lungs for 10 seconds or longer.

A hypopnoea is a partial blockage of the airway that lasts for 10 seconds or longer.

Your AirMini machine notes the number of breathing events you have in each hour. This number can help gauge how well your treatment is working.

### 10.5. How can I see my leak value?

Individual leak value is not displayed. The AirMini app displays whether the mask seal is good or needs to be adjusted. The Mask Seal description can be seen in the Dashboard when in patient mode.

### 10.6. Can I run mask fit on AirMini without a smart device?

No, the AirMini app is required to run mask fit on the AirMini machine.

### 10.7. What does good mask seal mean?

"Good mask seal" means you experienced less than 24L/min of leak throughout a therapy session.

### 10.8. Can the AirMini app detect when I need to change my equipments (filters, humidifier, mask)?

No, this feature is not currently available. Please refer to the AirMini user guide for more information on equipment replacement.



## 11. AirMini app Settings

### **11.1. Where can I find my pressure and other machine settings?**

Your settings are available on the Sleep screen of your AirMini app.

### **11.2. How can I change the comfort settings on the AirMini machine?**

You can only change comfort settings via the AirMini app with a valid Bluetooth connection. These settings include ramp time, pressure relief (if enabled by your clinician), SmartStart and SmartStop.

### **11.3. How do I change my AirMini machine pressure settings?**

CPAP pressure settings are prescribed by your physician. If you are concerned about your pressure settings, please consult your prescribing physician or equipment provider.



## 12. Treatment

### **12.1. I have a cold. Should I keep using my AirMini machine?**

Having a cold can make using CPAP therapy difficult due to nasal congestion or blockage.

In most cases, you can keep using your CPAP machine if you can clear your nose or if you already use a mask that covers both your nose and mouth. Sometimes medication such as over-the-counter saline spray can help clear a stuffy nose.

However, if you have an acute upper respiratory tract infection, you may need to temporarily stop treatment. Please consult your prescribing physician when using medication or if you have any treatment-related questions.



## 13. Security

### 13.1. What did I agree to when I ticked the boxes in AirMini (Terms & Conditions and Privacy Policy)?

A copy of the Terms & Conditions and Privacy Policy can be found in the AirMini app.

### 13.2. Is my information secure?

ResMed has implemented a range of technical and organisational measures (TOM's) to provide reasonable assurances that the security and privacy of personal health data that we process is protected. Critical systems undergo repeated and regular cybersecurity tests, in order to continually test the effectiveness of our cybersecurity measures. ResMed also performs internal and external reviews of our organisational measures for the processing of personal data.

ResMed has implemented TOM's based on our assessment of global privacy and security regulations for processing sensitive personal medical data including, but not limited to:

- The United States HIPAA (Health Insurance Portability and Accountability Act), including the 2010 HITECH and 2013 Omnibus updates
- The European EU 95/46/EC, and the upcoming General Data Protection Regulation
- The Australian Privacy Act,
- The French ASIP-Santé regulations for processing medical data

The AirMini and the AirMini app have security features in place to help protect your privacy and prevent unauthorized access to their data. These include:

- Use of a QR code to establish trust between the AirMini and the AirMini app
- Unique keys for each mobile device and AirMini pairing
- Application-level encryption for the transmission of data, in addition to Bluetooth® security
- Encryption of data stored within the AirMini app

Protecting smart devices against malware helps keep personal information and sleep data safe and secure. ResMed recommends the following:

- Enable PIN or fingerprint security on your smart device.
- Refer to your smart device user instructions.
- Avoid unsafe modification of the smart device's operating system.
- Consider enabling remote data wipe on your smart device. Remote data wipe is a function available on your smart device for remotely erasing personal data in the event that the smart device is lost or stolen.
- Keep your operating systems up to date with security patches.
- AirMini app software updates for iPhone™ and Galaxy™ are available from the App Store and Google Play™ store. Ensure that you always have the latest version installed on your smart device.



**ResMed**

## 14. Accessories

### **14.1. Does AirMini have a battery?**

AirMini does not currently have a battery available. However, we are developing an external battery pack that will be made available soon

### **14.2. Is there a DC-DC converter available?**

Yes, this will be available very soon after launch.