



# Astral™ series

Life support ventilators



Astral™ iVAPS with optional AE  
quick setup guide

Our intelligent Volume-Assured Pressure Support (ResMed iVAPS™) with optional AutoEPAP (AE<sup>2</sup>) mode is now available in ResMed Astral™ life support ventilators. iVAPS is designed to detect changes in breathing throughout the night and adjusts pressure support levels while AE automatically adjusts expiratory pressure in response to flow limitation or obstruction of the upper airway. It's compatible with traditional vented masks and standard 6-ft. leak circuits and offers enhanced leak compensation for persistent mask or oral leaks. This guide provides step-by-step instructions on how to set up iVAPS AE mode in your Astral device.

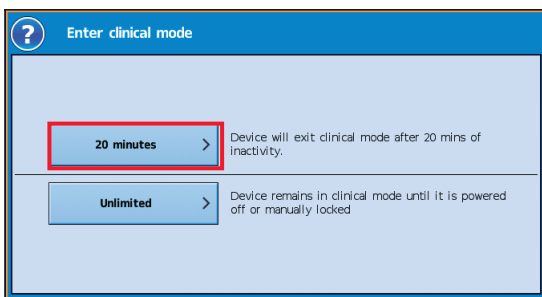
- 1 Choose a single limb leak circuit for **iVAPS setup**, shown below, PN 27942. In addition, choose a vented mask of the patient's choice, like the AirFit™ N10 nasal mask:



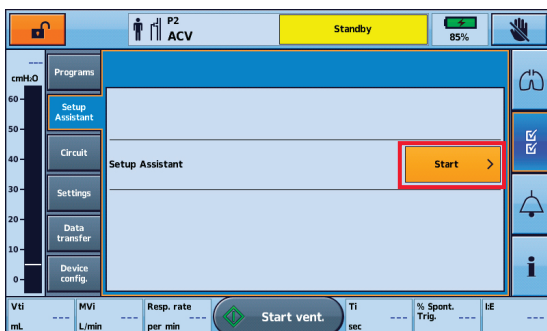
- 2 To access **clinical mode** from the patient home screen, press and hold the lock key for 3 seconds:



Next, select "20 minutes" or "Unlimited."<sup>3</sup> The **Main Settings** screen is now displayed:

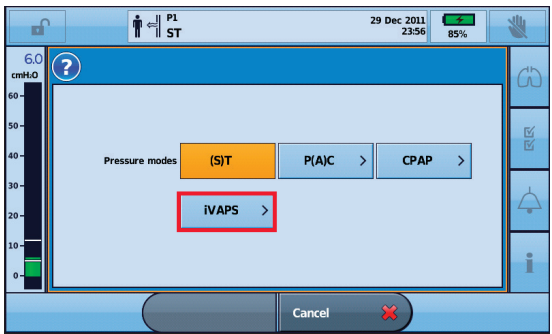


- 3 Perform the **Setup Assistant**, following all steps according to the LED screen prompts. Select "Adult" as the patient type and "single limb leak circuit" as the circuit type:

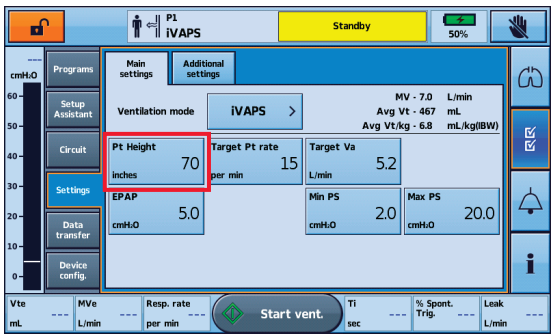


Note: During this process, ensure masks are not in place.

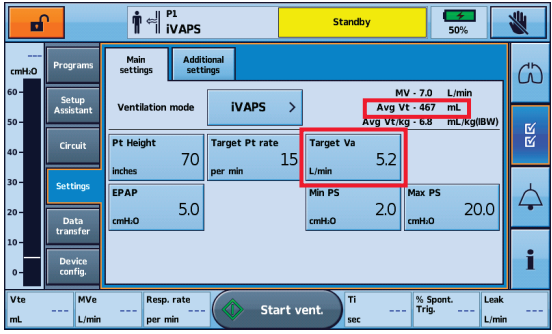
- 4 From the on-screen selections, press “Ventilation mode” and then select “iVAPS.”



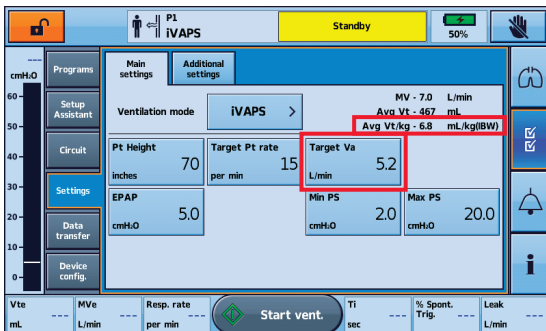
- 5 Select “Pt Height” from the main settings screen and adjust it to the appropriate patient height in inches. The default Target Pt. rate of 15 bpm should be appropriate for your COPD patients.



- 6 If your prescription includes a tidal volume, adjust your Target Va until you reach your prescribed Avg Vt.



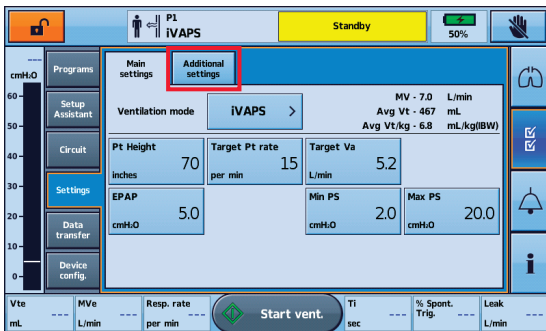
- 7 If your prescription has a prescribed mL/kg, adjust your Target Va until you achieve the correct Avg Vt/kg.



- 8 When AE is prescribed, enable AutoEPAP. Then, set EPAP to 5 cmH<sub>2</sub>O and Max EPAP to 15 cmH<sub>2</sub>O. If AE is not prescribed, set EPAP to 5 cmH<sub>2</sub>O, or per your prescription.



- 9 Below are suggested settings for initiating therapy:  
 Min PS: 5 cmH<sub>2</sub>O  
 Max PS: 20 cmH<sub>2</sub>O



Note: Default settings on the additional settings screen should be adequate to initiate therapy. They may be adjusted as needed to improve patient comfort.



All therapy settings should be prescribed by a physician.

<sup>1</sup> iVAPS mode is intended for patients weighing more than 66 lbs (30 kg).

<sup>2</sup> AutoEPAP is contraindicated when using an invasive interface. AutoEPAP is only available in iVAPS mode.

<sup>3</sup> Patient should be under the supervision of a qualified and trained clinician or caregiver when selecting "Unlimited" clinical mode.

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