



## Smart mouthpiece ventilation solution

ResMed's mouthpiece ventilation solution has been thoughtfully designed to reflect the needs of patients and their carers and support good quality of life.

**The EasySpeak™ mouthpiece** is a convenient daytime solution for patients using Astral. It helps to make eating, breathing and talking more natural. Quick to assemble and easy to clean, it features a curved 'lip' for a proper seal without the need to bite down. Choose between a mouthpiece that's conveniently pre-mounted on a thin flexible tube or a stand-alone angled mouthpiece to offer a solution that meets your patient's needs.



**The circuit support arm** holds the mouthpiece in a comfortable, accessible position. It provides up to 100cm of flexibility with 180 degrees of movement and four setup orientations suitable for single and double limb circuits.



**ResMed**



1 Simonds AK, editor. ERS Practical Handbook of Noninvasive Ventilation. *European Respiratory Society*, 2015.

Refer to the user guide for further instructions including indications, contraindications, warnings and precautions. See ResMed.com for ResMed locations worldwide. Astral and EasySpeak are trademarks and/or registered trademarks of the ResMed family of companies. Specifications may change without notice. Product availability may vary across regions. © 2018 ResMed Ltd. 10110946/1 2018-08

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**ResMed**

**Astral™ series**



Mouthpiece ventilation  
Quick setup guide

## ① Choose your circuit setup

Use the **setup assistant** to activate Astral's default settings.

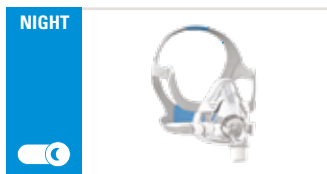
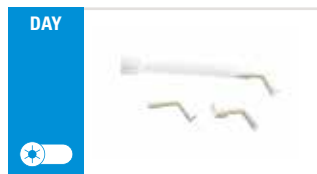
When you choose a mouthpiece setup for an adult patient:

- PEEP, back-up rate and most alarms automatically default to OFF.
- Other parameters adjust to common settings for MPV.

The setup assistant will direct you to the **circuit setup screen** and prompt you to perform a **Learn Circuit** afterwards.



Mouthpiece ventilation can be set up with valve circuits **1** or the mouthpiece circuit **2**. The mouthpiece circuit is a simple, single circuit in which the mouthpiece can easily be replaced by a vented mask for night leak ventilation, **without any need to change the circuit**.



## ② Choose your ventilation mode

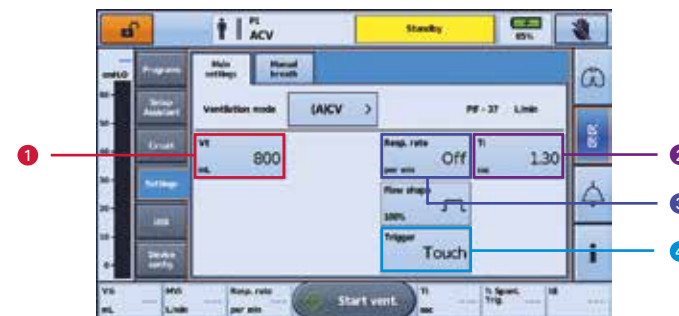
When the Learn Circuit is complete, you will be directed to the ventilation modes.



The following modes can be set with the mouthpiece circuit:





- (A)CV – (Assisted) volume-controlled ventilation
- P(A)CV – (Assisted) pressure-controlled ventilation
- PS – Pressure support mode

## ③ Titrate your patient



### Initiating mouthpiece ventilation in (A)CV mode

(based on recommendations in the ERS handbook for NIV):

- Set the tidal volume **1** at 700-1200 mL (1000 mL ) and adjust to optimise patient comfort.
- Set the PEEP to 0 cmH2O. PEEP setting is disabled .
- Set the inspiratory time **2** to 1 sec  and increase it until the patient is comfortable.
- Set the respiratory rate **3** to the lowest possible setting or OFF .
- Set the inspiratory trigger **4** so it is sensitive enough to respond to the patient's inspiratory effort without self-triggering. If the patient is unable to trigger from the ventilator then an appropriate backup rate **3** may be set to compensate.

 Default setting

### 5 trigger options

- **Touch**, for little to no effort: triggers at the touch of the mouthpiece
- **Standard**, for higher effort: triggering sensitivity can be set at **low, medium or high**
- **Off**: for patients who are fully dependent on a back-up rate

