

EN

Commissioning Procedure for standard HRV HMB & B Units with remote or integral aura-t™



Commissioning Guide - aura-t™ Standard HRV Units



Before commencing please ensure you have:

- Commissioning design figures
- Calibrated test equipment
- A copy of the Approved Document F checklist available (this needs completing for each property)

Process


- Check the MVHR filters are clean (see manual for instructions of how to access).
- Check correct ceiling terminals are fitted and open at approx. the mid-point (i.e. minimum resistance).

The aura-t™ controller provides the owner with 4 speeds.

- Speed 1 - Generally referred to as **SetBack**, not generally used in the UK. Can be used for example to reduce the speed when the property is vacant or when on holiday.
- Speed 2 - **Continuous rate**.
- Speed 3 - **Boost Rate**
- Speed 4 - Generally referred to as **SummerBoost**, enables the units speed to be increased when SummerBypass is active.

Speeds 2 and 3 are generally used to meet the flow rates requirements defined within Approved Document F.

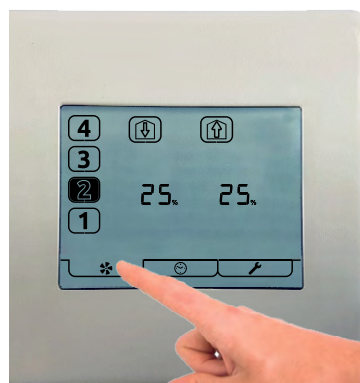
The following assumes that both Continuous and Boost rates are required, if boost is not required please ignore the paragraphs referring to Boost (speed setting 3)

- Locate the aura-t™.
- Press and hold down the  icon to select the commissioning mode.

B Models




HMB Models

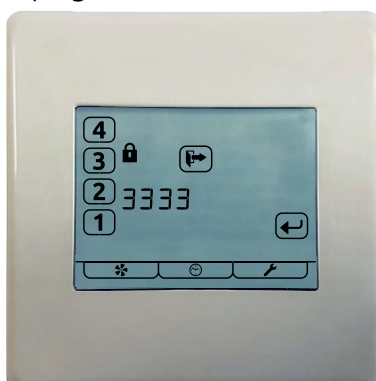



- If the display has been password protected the screen will show as below, if not skip to the next instruction.

Press the **3** icon four times .




The screen will show as below, press the  icon to progress to the commissioning screen.



- The commissioning screen will show as below, with the unit showing speed **2** , supply  and the figure indicated below will be flashing.



- Press the **3** icon followed by the  icon, this will put the unit into the Extract Boost setting mode, as below. The figure pointed at below will be flashing.




- Using the up and down arrows, indicated below, change the speed to a level that will provide the expected flow rate. The speed % will change as you increase / decrease.



- Measure the flow rates in the kitchen and all the wet rooms, totalling up the measured figures.
 - If the total is greater than the required total Extract Boost dwelling rate*, slow the unit down
 - If the total is less than the required total Extract Boost dwelling rate*, speed the unit up
 - Keep changing the speed until the total required Extract Boost dwelling rate* is achieved
- * As the rates are minimums aim slightly higher approx. 1-2 l/s
 - Working away from the unit now adjust the ceiling terminals to achieve the individual room rates. If the room rates cannot all be achieved the unit may need turning up slightly
 - When complete lock the ceiling terminals in position

It is not uncommon for ceiling terminals to be removed and mixed up by the painters, a good idea is to mark the inside of the terminal with the room it came from, this saves re commissioning.


- Press the **2** icon and the  icon this will put the unit into the Supply Continuous setting mode, as below. The figure pointed below will be flashing:



- Using the up and down arrows, indicated below, change the speed to a level that will provide the expected flow rate. The speed % will change as you increase / decrease




- Measure the flow rates in the habitable rooms, totalling up the measured figures
 - If the total is greater than the required total Supply Continuous dwelling rate*, slow the unit down
 - If the total is less than the required total Supply Continuous dwelling rate*, speed the unit up
 - Keep changing the speed until the total required Supply Continuous dwelling rate* is achieved
- * As the rates are minimums aim slightly higher approx. 1-2 l/s. If the reading is excessive it will result in excess noise and increased power consumption
 - Working away from the unit now adjust the ceiling terminals to achieve the individual room rates. If the room rates cannot all be achieved the unit may need turning up slightly
 - When complete lock the ceiling terminals in position

- Press the  icon this will put the unit into the Extract Continuous setting mode, as below. The figure pointed at below will be flashing:



- Using the up and down arrows, indicated below, change the speed to a level that will provide the expected flow rate. The speed % will change as you increase / decrease.




- Measure the flow rates in the kitchen & wet rooms, totalling up the measured figures
 - If the total is greater than the required total Extract Continuous dwelling rate*, slow the unit down
 - If the total is less than the required total Extract Continuous dwelling rate*, speed the unit up
 - Keep changing the speed until the total required Extract Continuous dwelling rate* is achieved
- * As the rates are minimums aim slightly higher approx. 1-2 l/s. If the reading is excessive it will result in excess noise and increased power consumption
- Press the **3** icon followed by the  icon, this will put the unit into the Supply Boost setting mode, as below. The figure pointed at below will be flashing:



- Using the up and down arrows, indicated below, change the speed to a level that will provide the expected flow rate. The speed % will change as you increase / decrease.



- Measure the flow rates in the habitable rooms, totalling up the measured figures
 - If the total is greater than the required total Supply Boost dwelling rate*, slow the unit down
 - If the total is less than the required total Supply Boost dwelling rate*, speed the unit up
 - Keep changing the speed until the total Supply Boost dwelling rate* is achieved

- You have now set up all the speeds, press the  to save and return to the main screen



Main screens


B Models



HMB Models



Setting the humidity trigger point and boost overrun timer

Press the  to enter the set up menu.

B Models




HMB Models



- If the display has been password protected the screen will show as below, if not skip to the next instruction

Press the **3** icon four times.



The screen will show as below, press the  icon to progress to the commissioning screen.



B Model

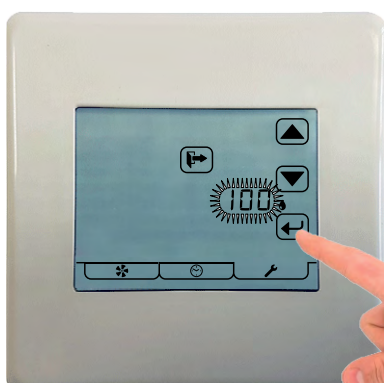
Press the up arrow shown below twice until the screen looks like the one below on the right, with the humidity figure flashing.



HMB Model - Will show with humidity figure flashing.



All models - Press the  icon shown below:




- The screen will display as below, with the humidity figure flashing.



- Use the up and down arrows to change the percentage, as below:



- Once the required figure has been set press the  icon as shown below:



- The screen will look as below:




To return to the main screen press  icon.

To set the Overrun timer read on.


NB: the aura-t™ offers the capability to have 2 different overrun timers, the wet room one being the default one. The kitchen one can be utilised if the switch inputs are set accordingly.

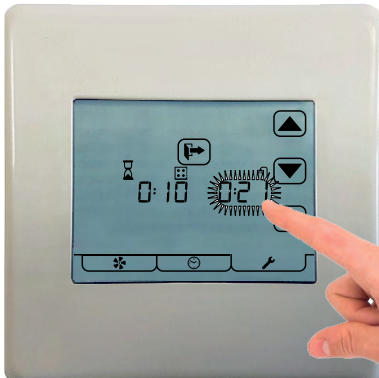
- The Kitchen overrun timer time will be flashing as indicated below:




- Press the  and the screen will look as below, with the Kitchen overrun timer will be flashing as indicated below:



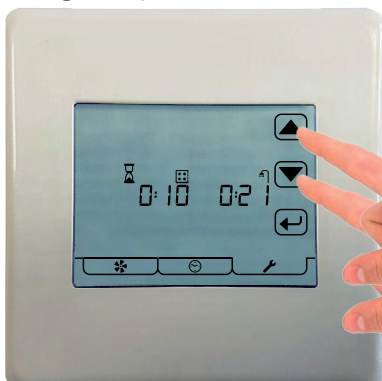
- Press the  and the screen will look as below, with the wet room overrun timer flashing as indicated below:




- Press the  and the screen will look as below, with the wet room overrun timer flashing as indicated below:




- Using the up and down arrow keys change the time to the required setting (in minutes)



- Once the required setting has been set press the  icon, the screen will look as below.



To return to the main screen press 

Other settings can be accessed, please see the respective **aura-t™ manuals (url link)** for details.

In the event of any queries please contact the system installer.

Ensure this booklet is passed to the householder once installation & commissioning of the ventilation system is complete. This Product Manual must be kept in the Home Information Pack and used as a service record.

Notes:



Important environmental information about this product.

This symbol on this unit or the package, indicates that disposal of this unit after its life cycle could harm the environment. Do not dispose the unit as unsorted municipal waste; it should be disposed by a specialized company for recycling. This unit should be returned to your distributor or to a local recycling service. Respect the local environmental rules. If any doubt contact your local authorities about waste disposal rules.



MARKETING DIVISION

894 The Crescent, Colchester Business Park, Colchester, CO4 9YQ
Tel: +44 (0) 1206 713800 Fax: +44 (0) 1206 543126
Email: ventsales@titon.co.uk Web: www.titon.com