

120578-160109



Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

The Benchmark Checklist may be required in the event of any warranty work and as supporting documentation relating to home improvements in the optional documents section of the Home Information Pack.

**Remeha**  
AVANTA RANGE

# User Guide

**Remeha Avanta Range**

24c | 28c | 35c | 39c | 18s | 24s | 30s



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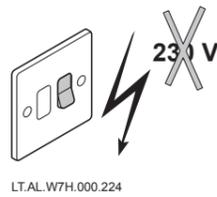
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## Remeha Avanta Plus

### 24c / 28c / 35c / 39c / 18s / 24s / 30s

#### 2. Disable boiler without frost protection, during longer periods of non-use



- Switch off the boiler.

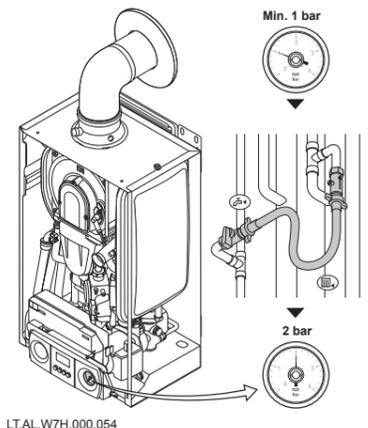


- Turn off the boiler gas tap.

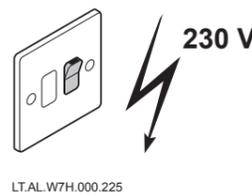
#### Drain boiler

Drain the boiler and central heating system if you will not be using the home for a long period and there is a chance of night frost.

### 5 ENABLING THE BOILER



- Check the boiler water pressure. If the water pressure is less than 1 bar, the system has to be topped up with water.



- Switch on the boiler at the fused spur unit; the boiler will run the start-up program.

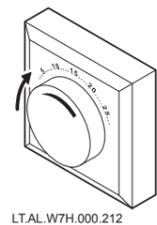
- A display test will briefly appear showing all segments of the display.

**F** **XX** software version;  
**P** **XX** parameter version;

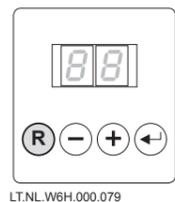
- A venting cycle of 3 minutes now follows, the version numbers will be displayed alternately;

- Next, the following will appear in the display;

- 1 pre-purge stage
- 2 ignition stage
- 3 operating in CH mode or:
- 4 operating in DHW mode
- 7 pump run on after CH or DHW is satisfied
- 0 stand-by mode



- Set the room thermostat to the desired room temperature.



The boiler will now automatically start operating.

### SHORT USER GUIDE

#### 1 SAFETY

#### Can you smell gas? What to do:

- Do not smoke and do not create any flame or sparks.
- Do not use any electric switches.
- Turn off the main gas stop cock.
- Open windows and doors.
- Warn those present and leave the building together.
- Call your gas suppliers / installer once you are outside the building, TRANSCO tel. 0800 111 999.

#### Installation location for the boiler!

- Do not store or use any flammable materials, aggressive substance and/or aerosols near the boiler.
- The installation area must be frost-free.
- The switched spur unit for the boiler must always be accessible.

#### Can you smell smoke or flue gases? What to do:

- Switch off the boiler.
- Open windows and doors.
- Warn those present and leave the building together.
- Call your installer once you are outside the building.

#### Water and pipe temperatures!

- The factory setting for the tap water temperature is 55°C; this temperature can be set to 65°C.
- The maximum water temperature in the Avanta Plus can reach 90°C. This means that pipes and/or radiators can reach this temperature.
- If the boiler is running, the flue duct can reach a high temperature.

### 2 PROBLEMS WITH BOILER AND/OR CENTRAL HEATING SYSTEM

#### Error codes – errors which can be resolved by the user

<b>E1 / E2</b> <b>E7 / E10</b>	 Check water pressure: water pressure is greater or equal to 1 bar.	 Press R-key	 Wait for recovery; display shows 0, boiler functions properly.	 Display shows <b>E1</b> , <b>E2</b> , <b>E7</b> or <b>E10</b> again; note down the error code and boiler type and call your installer	
<b>E4</b>	 Check water pressure: water pressure is lower than 1 bar.	 Top up your central heating system	 Press R-key	 Wait for recovery; display shows 0, boiler functions properly.	 Display shows <b>E1</b> , <b>E2</b> , <b>E7</b> or <b>E10</b> again; note down the error code and boiler type and call your installer
<b>E4</b>	 Check yellow gas valve, bottom boiler, gas valve must be in line with gas supply pipe, if necessary open gas valve.	 Press R-key	 Wait for recovery; display shows 0, boiler functions properly.	 Display shows E4 again: note down the error code and boiler type and call your installer.	

LT.NL.W6H.000.114 + LT.NL.W6H.000.115 + LT.NL.W6H.000.116 + LT.AL.W7H.000.235 + LT.NL.W6H.000.118  
 LT.AL.W7H.000.230 + LT.NL.W6H.000.121 + LT.NL.W6H.000.122

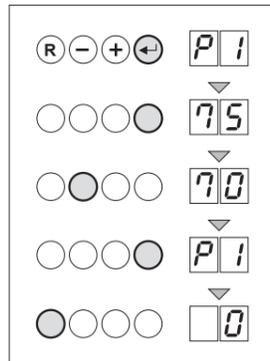
#### Error codes – errors which have to be remedied by the installer

If the display indicates a different error code from that described above, note down the error code and boiler type and call your installer. Contact your installer also in the event of a water leak.

# Remeha Avanta Plus

## 24c / 28c / 35c / 39c / 18s / 24s / 30s

### 3 CHANGING BOILER SETTINGS

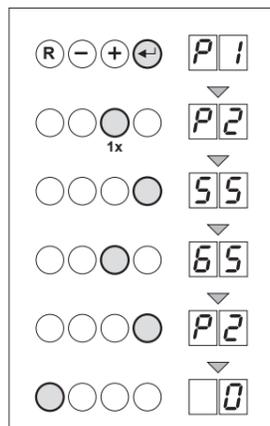


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#### 1. Changing P1 setting: flow temperature of water in central heating system

Reduce the flow temperature as follows:

- Press **'Enter'- key** until codes **P** and **75** are displayed alternately.
- Press **'Enter'- key** again; set value for maximum flow temperature is displayed: 75°C (factory setting).
- Press **[+]** or **[-]** **-key** to change this value, for example to 70°C.
- Press **'Enter'- key** to confirm value; codes **P** and **70** are displayed alternately.
- Press **'Reset'- key** to switch boiler to operating mode.

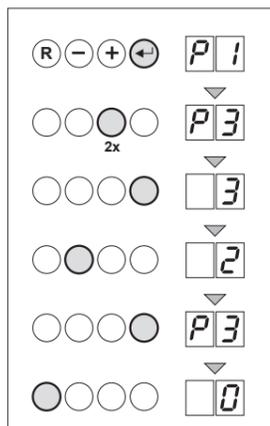


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#### 2. Changing P2 setting: domestic hot water temperature

Increase the domestic hot water temperature as follows:

- Press **'Enter'- key** until codes **P** and **55** are displayed alternately.
- Press **[+]- key** until codes **P** and **65** are displayed alternately.
- Press **'Enter'- key**; set value for domestic hot water temperature is displayed: 55°C (= factory setting).
- Press **[+]** or **[-]** **-key** to change this value, for example to 65°C.
- Press **'Enter'- key** to confirm value; codes **P** and **65** are displayed alternately.
- Press **'Reset'- key** to switch boiler to operating mode.



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#### 3. Changing P3 setting: boiler regulation (domestic hot water and central heating mode)

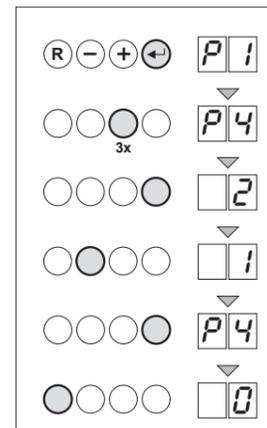
- 0** = CH<sub>off</sub> / DHW<sub>off</sub>
- 1** = CH<sub>on</sub> / DHW<sub>on</sub> (factory setting)
- 2** = CH<sub>on</sub> / DHW<sub>off</sub>
- 3** = CH<sub>off</sub> / DHW<sub>on</sub>

Change the boiler regulation as follows:

- Press **'Enter'- key** until codes **P** and **1** are displayed alternately.
- Press **[+]- key** 2x until codes **P** and **3** are displayed alternately.
- Press **'Enter'-key**: central heating and domestic hot water mode setting is displayed.
- Press **[-]** or **[+]** **-key** to change this mode, e.g. level **3** (= central heating OFF and domestic hot water ON).
- Press **'Enter'- key** to confirm this mode; codes **P** and **3** are displayed alternately.
- Press **'Reset'- key** to switch boiler to operating mode.

Broag Remeha is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark is managed and promoted by the Heating and Hotwater Industry Council. For more information visit [www.centralheating.co.uk](http://www.centralheating.co.uk)



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#### 4. Changing P4 setting: Eco or comfort mode

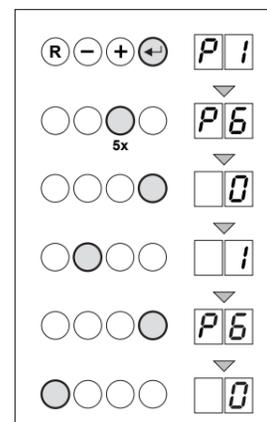
##### No hot water

Beware; the system boiler in combination with an external calorifier will not warm up the calorifier in the Eco-mode. So, if the calorifier is empty, the tap water will be cold.

- 0** = Comfort mode
- 1** = Eco mode
- 2** = regulated by controller (= factory setting)

Change the mode as follows:

- Press **'Enter'- key** until codes **P** and **1** are displayed alternately.
- Press **[+]- key** 3x until codes **P** and **4** are displayed alternately.
- Press **'Enter'- key**; setting of 'eco or heat retention' mode is displayed (mode **2** = heat retention and regulator-dependent, factory setting).
- Press **[-]** **-key** to change this mode, for example mode **1** (=eco mode).
- Press **'Enter'- key** to confirm this mode; codes **P** and **4** are displayed alternately.
- Press **'Reset'- key** to switch boiler to operating mode.



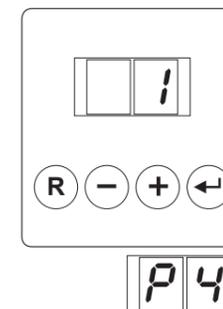
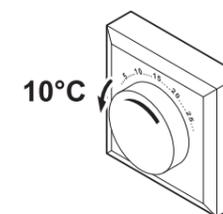
LT.NL.W6H.000.075

#### P6 setting: display on/off

Change the display setting as follows:

- Press **'Enter'- key** until codes **P** and **1** are displayed alternately.
- Press **[+]- key** 5x until codes **P** and **6** are displayed alternately.
- Press **'Enter'- key**; you will see mode **2** (= 'Display automatically off', factory setting).
- Press **[-]** **-key** to change this mode to mode **1** (= 'Display remains on').
- Press **'Enter'- key** to confirm this mode; codes **P** and **6** are displayed alternately.
- Press **'Reset'- key** to switch boiler to operating mode.

### 4 DISABLING THE BOILER



LT.AL.W7H.000.217 + LT.AL.W7H.000.218

The boiler must be disabled before any maintenance or repairs are carried out. If the central heating system is not used for a long time (during the holidays, for instance, or periods of milder weather) it is advisable to disable the boiler.

#### 1. Disable boiler with frost protection, during longer periods of non-use

- Set the room thermostat to a low temperature, e.g. 10°C,
- Switch setting **P4** to 1 (Eco mode), this will switch off the heat retention function. Now the boiler will only start working to protect itself against freezing. With an external frost protection connected, the boiler can also prevent the central heating system from freezing.

#### Pre and After Sales Service

Our dedicated pre-and-after-sales teams are ready to give you the support you need. It's an integral part of the quality package that Broag offers as standard with all products.

For all your queries just call the Avanta team on: 0118 978 3434

#### Contact Information

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 After Sales: 0118 9743070  
 Literature: 0118 9743043  
 Training: 0118 9743020  
 Technical: 0118 9743070  
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