

# Orcomm

## Heating Setup Guide V1.1

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## Introduction

### Products

#### Touch Screens

Orcomm has multiple types of Touch Screens. All 7" and 10" Smart Screens use the same GUI (General User Interface) as well as programming instructions.

Models: ORC-7T-BL-NL, ORC-7T-WH-NL, ORC-7TF-WH-NL, ORC-7TF-BL-NL, ORC-10T-BL-NL

#### Gateway

Orcomm Master gateway is known as ORC-HAGW (Home Automation Gateway). To program the gateway you will require Smart Home Touch Screen (or program software)

Note: Typical installations using the Master Gateway will not need direct programming.

Models: ORC-HAGW

#### Gateway Extensions

Orcomm offer multiple Extension modules. Depending on outputs each Gateway extension will provide the system with Inputs (Digital and Analogue), outputs (0-10V, 0V, 12V, 24V, Relay 10A)

Note: Typical installations using the extension module will not need direct programming.

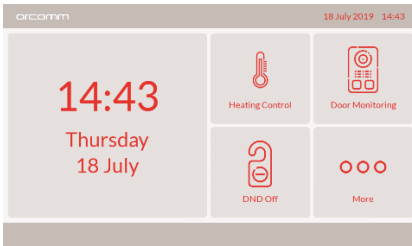
Models: ORC-HAGW-EXT-A, ORC-HAGW-EXT-B, ORC-HAGW-EXT-C, ORC-HAGW-EXT-D

#### Product information Links

Feel free to visit our website for more information including schematics and project specific manuals.

## Touch Screen Heating Enabled

To ensure your system works correctly check the main page has “Heating Control” ICON.



Door Entry & Heating Control



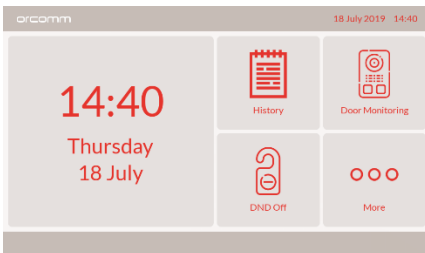
Door Entry, Heating & Lighting



Full Smart Home

## Heating not Enabled

Should your system not have “Heating Control” enabled on the screen then follow the below steps



Door Entry



Door Entry & Lighting

Step 1. Connect any PC to the network and enter IP address (or if concierge installed use Toolbox)

Step 2. Log into the web browser of the screen (default login = U: admin P: 123456)

Step 3. Select Modules on left menu

Step 4. Enable the “Heating Control” option, and click “submit”

Step 5. Log out of web browser

## Zones / Rooms

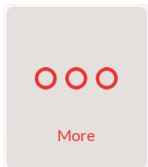
### Pre-programmed

Before commissioning the smart home system check with the Project Manager or orcomm as the system may have pre-configured settings to ensure fast installation and simplified maintenance.

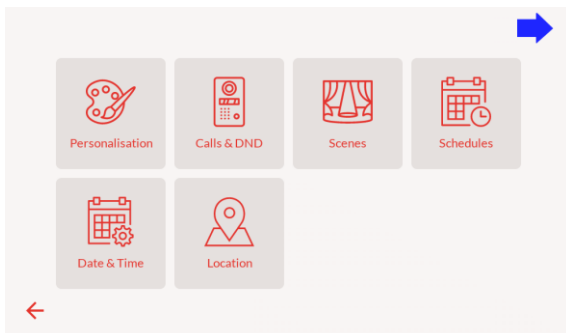
If the system has been pre-programmed you can move straight to the commissioning section.

### Hidden Engineer Menu

Select



Press and hold for 5 seconds the top right corner (hidden access page)



Hidden menu is designed for quick information or amending room details.

Ideally accessible by installer or competent persons



Info: Network information only

Zone: Setup area for Zone / Rooms

Advanced: Extra installer settings (require password)

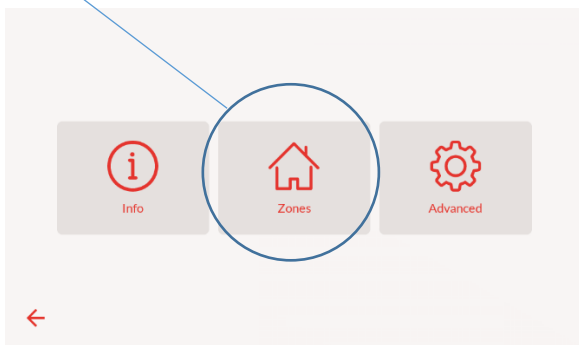
**NOTE:** the hidden area will time out if the screen is not touched for a period.

## New Zone / Room

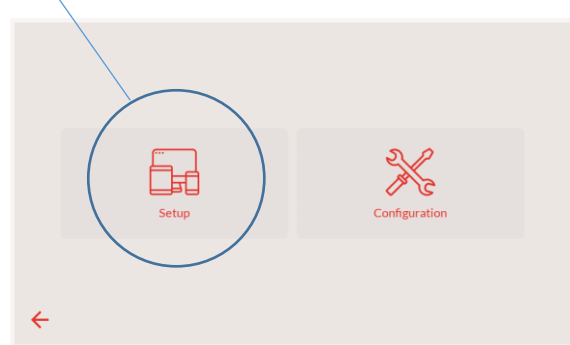
To add new room Enter hidden menu section

Select "More" from main page → Hold top corner for 5 seconds →

1. Select "Zones"



2. Select "Setup"



3. Select "Add New Zone"



4. Complete new room details, then "Save"



Then Exit back to MAIN page

## Commissioning

### ORC-HC2 Room Thermostat

#### Heating Test

**Full Test** - heating ensure the mechanical installation is complete (for example UFH actuators are wired and tested manually).


Follow documentation for testing procedure. Please contact orcomm or the approved partner should require another copy.



**Quick test** – To test the heating set the Thermostat Room Controller to maximum degrees. Wait for 1 minute and check the mechanical equipment has changed state. Once active set degrees to minimum and check mechanical equipment.


**Modbus Address test** – To test and ensure the TRC is set to correct Modbus ID follow ORC-HC2 instructions.

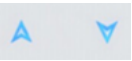


To enter hidden menu on TRC.

Press power to turn off. 

Then press “M”  followed with “Clock/Fan”  then release after 3 seconds (or when screen changes)

Then press “M”  till you reach option 9, and the number displayed in larger text is Modbus ID.

To change select “up” and “down”  till desired ID number then wait for 5 seconds and it will save and also time out.

If correct wait for time out on screen.

## Cooling Test

**Full Test** - Cooling ensure the mechanical installation is complete (for example FCU wired and tested manually).


Follow documentation for testing procedure. Please contact orcomm or the approved partner should require another copy.



**Quick test** – To test the cooling set the Thermostat Room Controller to minimum degrees. Wait for 1 minute and check the mechanical equipment has changed state. Once active set degrees to maximum and check mechanical equipment.


**Modbus Address test** – To test and ensure the TRC is set to correct Modbus ID follow ORC-HC2 instructions.





To enter hidden menu on TRC.

Press power to turn off. 

Then press “M”  followed with “Clock/Fan”  then release after 3 seconds (or when screen changes)

Then press “M”  till you reach option 9, and the number displayed in larger text is Modbus ID.

To change select “up” and “down”   till desired ID number then wait for 5 seconds and it will save and also time out.

If correct wait for time out on screen.


## Temperature compensation


REMINDER: Both the Thermostat Room Controller & Touch screen must be set with the same offset


*Offset on TRC* – To change the degrees offset follow below.



To enter hidden menu on TRC.

Press power to turn off. 

Then press “M”  followed with “Clock/Fan”  then release after 3 seconds (or when screen changes)

Then press “M”  till you reach option 1, and the number displayed in larger text is current offset value.

To change offset select “up” and “down”  till desired value then wait for 5 seconds and it will save and also time out.

If correct wait for time out on screen.

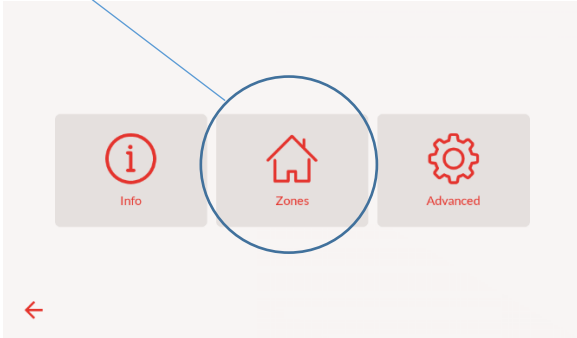


*Offset on Touch Screen* – To change offset on screen follow below

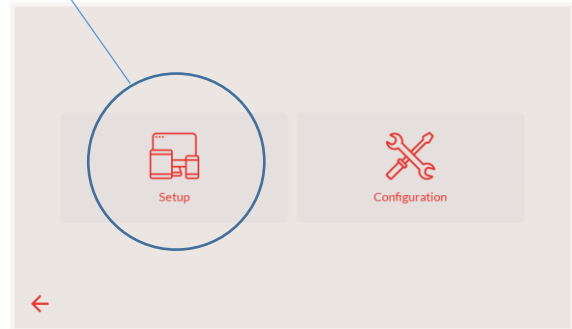
To change offset value in hidden menu section

Select “More” from main page → Hold top corner for 5 seconds →

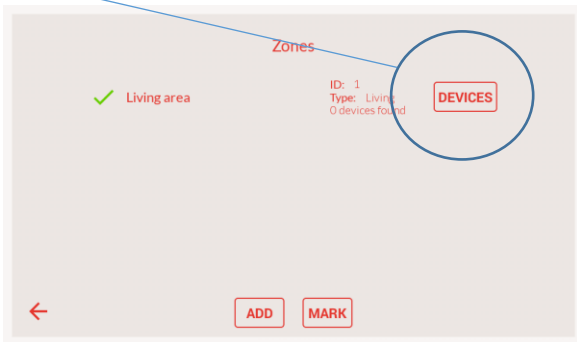
1. Select “Zones”



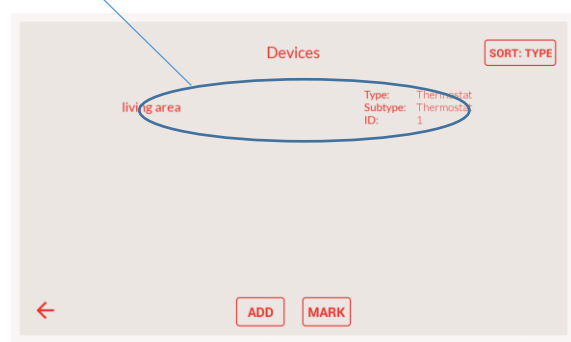
2. Select “Setup”



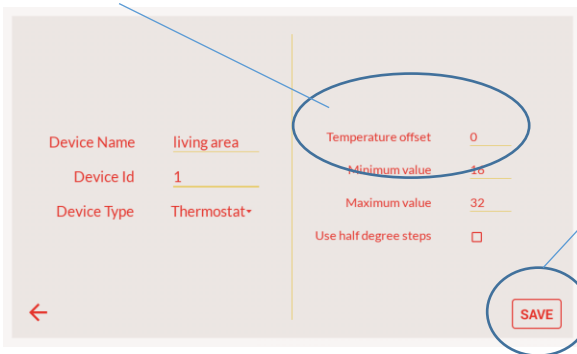
3. Select “Devices”



4. Click on Thermostat



4. Change values for Offset ( -9 to +9 )



6. Then “Save”

Then Exit back to MAIN page

## Useful links and contact details

### External Website Links

#### Thermostat Room Controller

<https://www.orcomm.co.uk/product-category/products/home-control/heating-controls/room-thermostats/>

#### Gateway and Extension Modules

<https://www.orcomm.co.uk/product-category/products/home-control/heating-controls/din-controllers/>

#### Touch Screens

<https://www.orcomm.co.uk/product-category/products/smart-screens/>

### Contact us

**Telephone Support:** 01923 851 890 (option 2)

**Email Support:** [support@orcomm.co.uk](mailto:support@orcomm.co.uk)

**Address:** Unit 4 Victor Way, Radlett, AL2 2FL