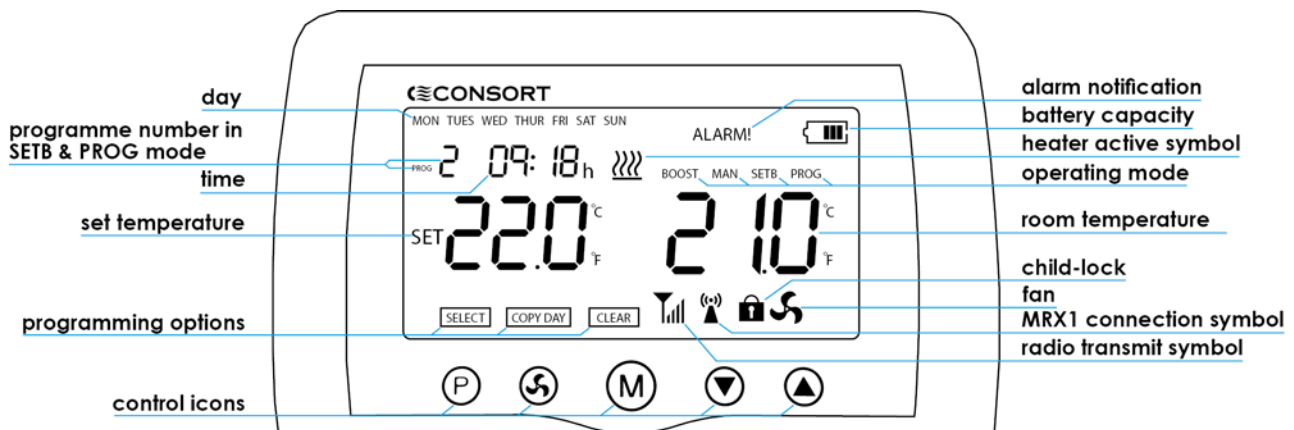


CRX2 Single Zone Wireless Controller

Installation and User Guide

1. Getting to know your CRX2 wireless controller



An illustration of functions available on CRX2

- Ⓟ : set time, day and accessing programming menu
 - Ⓜ : activate fan function (for fan heaters only)
 - Ⓜ : select operating mode
 - ▲ : increase value
 - ▼ : decrease value
- ALARM!**: flashes to indicate error in temperature settings for the day e.g. the timing set for 2nd temperature setting precedes the 1st temperature setting.

2. Pairing CRX2 with heaters

This must be done, otherwise heaters will not work.

Power up the CRX2 (see section 'power options' for details).
Set heater into pairing mode as follows:

1. Locate the heater status light.
2. Turn power to the heater ON. Count 4 seconds, or count 4 red flashes of the status light on the heater. Turn power OFF.
3. Turn power back ON. The heater status light should be flashing green.
(If the light is solid green, the 4 seconds timing was incorrect. Repeat step 1.)
4. The heater is now ready for pairing with CRX2.

This has to be done within 30 seconds. After 30 seconds, the heater will return to normal operating mode.

Set CRX2 into pairing mode as follows:

1. Touch and hold Ⓟ and Ⓜ icons together for 5 seconds.
2. The display will show CRX2 identification code.
3. Tap the Ⓟ button while the light on the heater is flashing green.

If the pairing was successful, the light will stop flashing and the heater is paired with CRX2. This has to be done within 30 seconds. After 30 seconds, the CRX2 will return to normal operating mode.

3. Basic operation

Before you can use CRX2, it has to be activated by tapping any control icons. The LCD screen backlight will turn on. To operate any control icon, tap within 2 seconds of CRX2 activation.

4. Time and day setting

1. To enter time setting touch and hold Ⓟ for 5 seconds.
2. The minutes will flash.
3. Use ▼ or ▲ to set minutes.
4. Tap Ⓟ, the hours will flash.
5. Use ▼ or ▲ to set hours.
6. Tap Ⓟ, the MON will flash.
7. Use ▼ or ▲ to select day.
8. Once you are happy with the settings, leave the CRX2 for 20 seconds. The settings will be saved and CRX2 will return to the main screen.

5. Selecting operating mode

CRX2 has 4 operating modes:

BOOST, MANUAL, SET BACK and PROGRAM.

Each mode can be selected by activating the CRX2 and tapping Ⓜ to cycle through the options. The cycle sequence will always start with BOOST mode followed by MANUAL, SET BACK and PROGRAM.

6. MAN - Manual mode

In manual mode, the heater maintains the set temperature.

1. Tap or to set the temperature.

To amend the set temperature, tap any control button once to activate, then tap or to change the temperature.

Once the temperature is set, leave the thermostat and the settings will be saved.

7. BOOST - 15 minutes

The boost feature temporarily increases the room temperature. It can be used from any mode.

1. Tap or to set the temperature.

To amend the set temperature, tap any control button once to activate, then tap or to change the temperature.

Once the temperature is set, you can leave the thermostat and the settings will be saved. After 15 minutes, the CRX2 will return to previous operating mode.

8. PROG - Automatic time mode

In this mode, the CRX2 will follow the week's time / temperature programme.

You can override the temperature in **PROG** mode by simply activating the CRX2 and using the or icon to set the new temperature. The new set temperature will be then maintained until the next program step.

Tap to ADVANCE program, tap again to go back.

9. SETB - ECONOMY automatic time mode

In the setback (ECONOMY) mode, CRX2 lowers all temperatures in the 7-day programme by a set value.

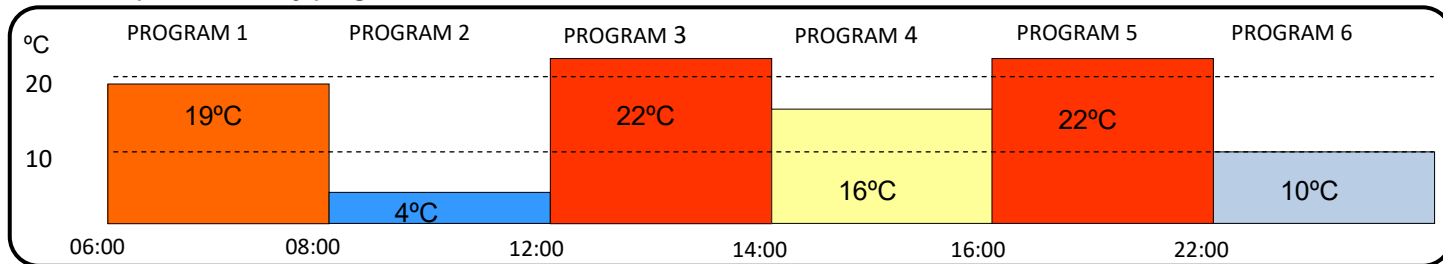
You can set how much to lower the programme temperatures in SETB mode by simply activating the CRX2 and using the or icon to set the new value.

The display will first show the temperature difference and after 2 seconds the new set temperature.

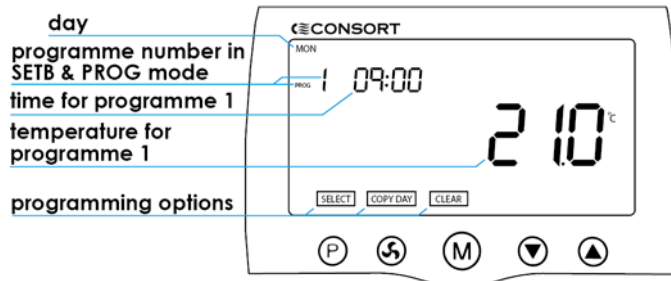
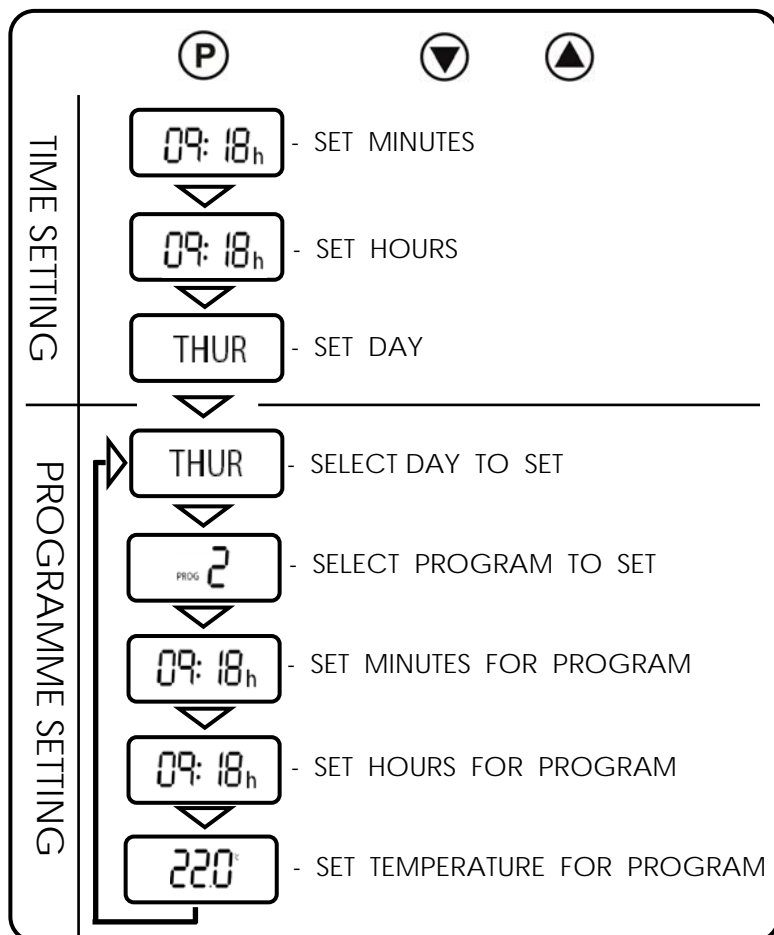
Tap to ADVANCE program, tap again to go back.

10. Set 7-day programme

An example of one day programme on CRX2



Logic diagram for setting programme on CRX2



1. Touch and hold for 5 seconds to enter the time setting.
2. The minutes will flash.
3. Tap or to set the minutes.
4. To set hour, tap and the hour will begin to flash.
5. Tap or to set the hour.
6. To set day, tap and the day will begin to flash.
7. Tap or to select the day.
8. Tap to access the 7-day programming mode.
9. Tap or to select the day you want to set.
10. Tap to set programme 1 for selected day. *This is indicated by the flashing number.*
11. Tap to select minutes.
12. Tap or to set minutes.
13. Tap to select hour.
14. Tap or to set hour.
15. Tap to select temperature setting.
16. Tap or to set temperature.

10. Set 7-day programme (cont'd)

The CRX2 has a 7-day timer with up to 6 programming steps available for each day. In the programming you can set a start time and a temperature for each programme. Each programme has to be used or set inactive.

11. Set programme inactive

To deactivate a programme, enter the programming mode. Select the programme you want to make inactive and tap **(M)**. The time and temperature will now be dashes to indicate that the programme has been deactivated. In order to re-activate the temperature setting, tap **(M)** again.

12. Copy day function

The CRX2 allows you to copy a day's heating programme to save time re-entering the same time and temperature settings for a day.

1. To use a copy day function, enter the programming mode.
2. To skip time setting, tap **(P)** to cycle through hour and day.
3. On the next tap, the Programme mode is activated and the day will flash.
4. Tap **(S)** to activate the COPY DAY function.
5. Tap **(P)** to select the day you want to copy the temperature settings from.
6. Tap **(V)** or **(A)** to select the day you want to copy the temperature settings to.
7. Tap **(S)** to confirm the selection.
The 'to' word will flash to indicate that the day programme has been copied to the day selected.
8. Tap **(M)** to go back to the Programme mode.

13. Fan function - only available for fan heaters

Tap any control icon to activate the CRX2. Tap **(S)** to activate or deactivate the fan function.

14. Advance mode


Tap **(P)** from **SETB** or **PROG** mode to bring forward next programme. To clear advance mode, tap **(P)**.


15. Keys locking

Tap and hold **(V)** **(A)** together for 5 seconds. The display will show **(L)** symbol. Repeat the step to unlock.












16. Heat symbol on the display

Every time there is a demand for heat, the display will show the heat icon.

 - reduced heat output when the room temperature is close to the set temperature.

 - full heat output

17. Status light on the heater

Light colour	Heater status
	STAND-BY No heat output
	Reduced heat output
	Full power heat output
 	Heater is ready for pairing with CRX
 	FAULT - Overheating
 	FAULT - Connection with CRX lost
 	FAULT - Connection with CRX lost

Power options, installation guide and setup menu

The CRX2 is a wireless thermostat giving high precision room temperature control. It is also a 7 day programmer with up to 6 temperature settings per day. Each CRX2 can control any number of heaters in the same room (zone).

The CRX2 controller is compatible with the MRX1 Multizone controller. Please refer to the instructions of the MRX1 when connecting the CRX2 controller to the MRX1.

18. Choosing a position in a room

The CRX2 should be fixed to the wall or used with the table top bracket. Avoid areas with draft or direct sun. Do not position CRX above or close to the heaters or other heat sources. Damp areas or areas where CRX2 can be mechanically damaged should also be avoided.

19. Power options

The CRX2 controller can be powered either by a 5V power adapter with a micro USB connector, supplied power adapter via USB port or 4 AAA batteries. There are 2 available USB ports for power. One port is located on the bottom and one at the back of the controller.



20. Batteries

Remove the CRX2's battery cover and insert 4 new high quality alkaline AAA batteries.

Warning: Consort is not responsible for damage due to corrosion. Battery leakage will cause permanent damage. Do not use batteries when unit is powered on with mains.

To help avoid battery leak:

- Replace the batteries annually, even if there is not a low battery warning. Remove failing or flat batteries immediately.
- Always fit a pair of new high quality alkaline batteries from the same pack. Never mix new and old batteries, or batteries of different brands or types.
- Never attempt to revive alkaline batteries by heating, crushing or recharging.

Note: The clock has to be set after replacing the batteries, or if the USB power cable has been removed from the CRX2.

This does not apply if it is being used with the MRX1 Multizone controller.

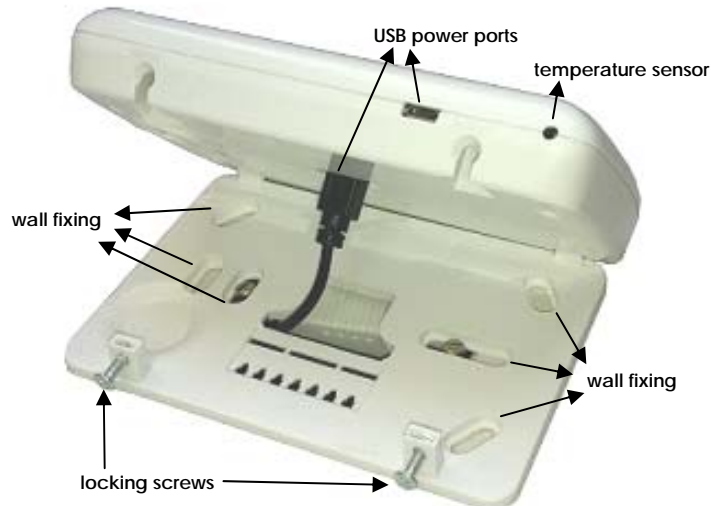
21. Power adapter for fixed installation

The CRX2 controller is supplied with a power adapter that will fit a 35mm or a 25mm metal or dry lining back box. The power adapter should only be connected to a wiring protected by a 6A fuse or 6A circuit breaker. Connect line and neutral conductors to the terminal block. Please note that the adaptor supplied with the controller must be installed exactly as the figures show, otherwise the USB connector will not fit correctly. The centre of the back box must be kept clear to allow room for the USB connector.



When fitting the wall bracket, ensure that the adaptor is installed properly and feed the cable through the centre of the bracket. Screw the bracket to a back box taking care not to damage the power adaptor or leads by long screws. Connect the USB cable into the power port at back of the controller as shown on the photo. Check that the CRX2 is working. Attach top of the CRX2 to the wall bracket and slowly tilt it to place observing that the USB connector is moving in to the opening freely. Once the controller is in place secure the two screws on the bottom of the controller.

22. Power adapter for fixed installation (cont'd)



23. Setup menu

1. Touch and hold **S** and **M** icons together for 10 seconds.
2. The CRX2 will enter the setup menu.
3. Use **▼** and **▲** to change a value.
4. Use **M** to scroll between the settings.

01 – temperature calibration

The temperature reading has been factory calibrated but if for any reason it needs adjusting (better accuracy required, to suit different position in the room etc.), the reading can be recalibrated in 0.5 degrees steps.

02 – change between degrees Celsius or Fahrenheit

03 – set maximum temperature

04 – set minimum temperature

(- - - = heating OFF, 4deg = frost protection)

05 - information about the software version

Customer Helpline

Should you need any advice on the use of you new Consort product, or should you require service or repair, please contact our Helpline:

Tel: 01646 692172 Fax: 01646 695195

Email: technical@consortep.com

The CRX2 is guaranteed for one year against faulty material or workmanship. This applies only if the appliance has been used for purposes in accordance with the instructions provided and has not been misused, neglected, damaged, modified or repaired by any person not authorised by us. This guarantee is offered to you as an extra benefit and does not affect your legal rights.

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