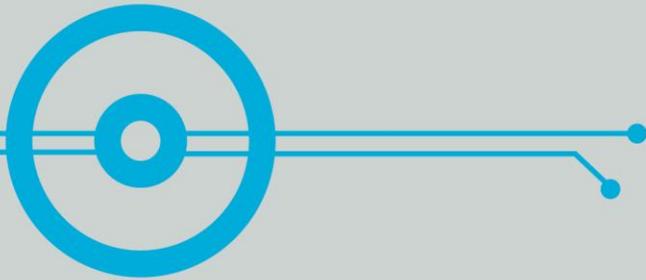

emp designs

iL2200 User Guide



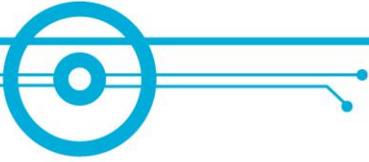
DATE
8/10/2025

PREPARED BY
Kate Stanton



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IMPORTANT SAFETY NOTICE

Read this user guide in full before you attempt to use the iL2200.

On receipt of the iL2200, check no damage has occurred whilst in transit. If you suspect any damage do not use the controller until you have discussed the issue with EMP Designs Ltd.

If you do not fully understand anything contained in the user guide contact the manufacturer by email before use (info@empdesigns.co.uk).

Ensure that all electrical connections and interconnections between external devices are properly made in accordance with the manufacturers' instructions.

All external wiring remains the responsibility of the user.

Whilst EMP Designs Ltd. has made every effort to ensure the iL2200 is safe to use and meets the client's specification, the client, prior to each application, should always complete on-site testing.

All external connections should only be made while the power is turned off.

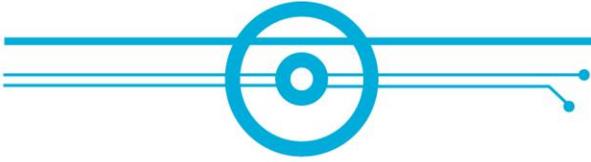
Do not attempt to disassemble the controller in any way. Please return the controller to EMP Designs Ltd. if any servicing is required.

Damage may occur if the controller outputs are continually overloaded or short circuited.

Ensure a fuse is fitted to the input supply of the controller.

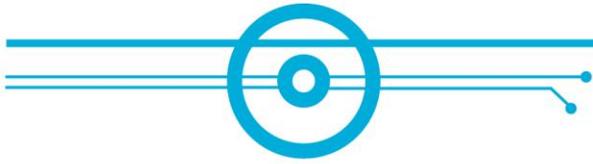
Avoid places subject to extremely high temperatures or humidity.

EMP Designs Ltd
iL2200 User Guide 04/11/2025



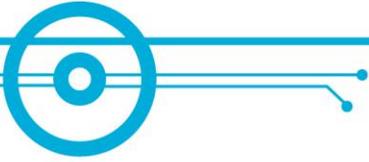
Power Specification

Specification	
Voltage Input	240VAC 50Hz 10A
Operates	2200W MAX Tungsten Load



iL2200 Wiring Diagram





iL2200 User Controls



← Cee Form Outlet for connection to load.

← Display Screen.

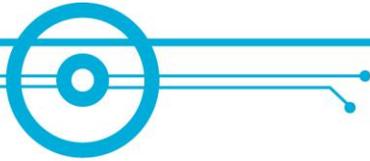
← Control Buttons.

← Manual Control Dial. (Under handle)

← Carry Handle.

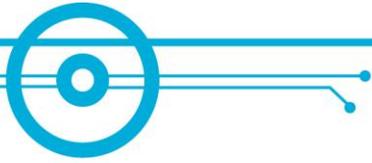
← On, Off, Reset rocker switch. (Under handle)

← Cee Form Inlet for Power In.

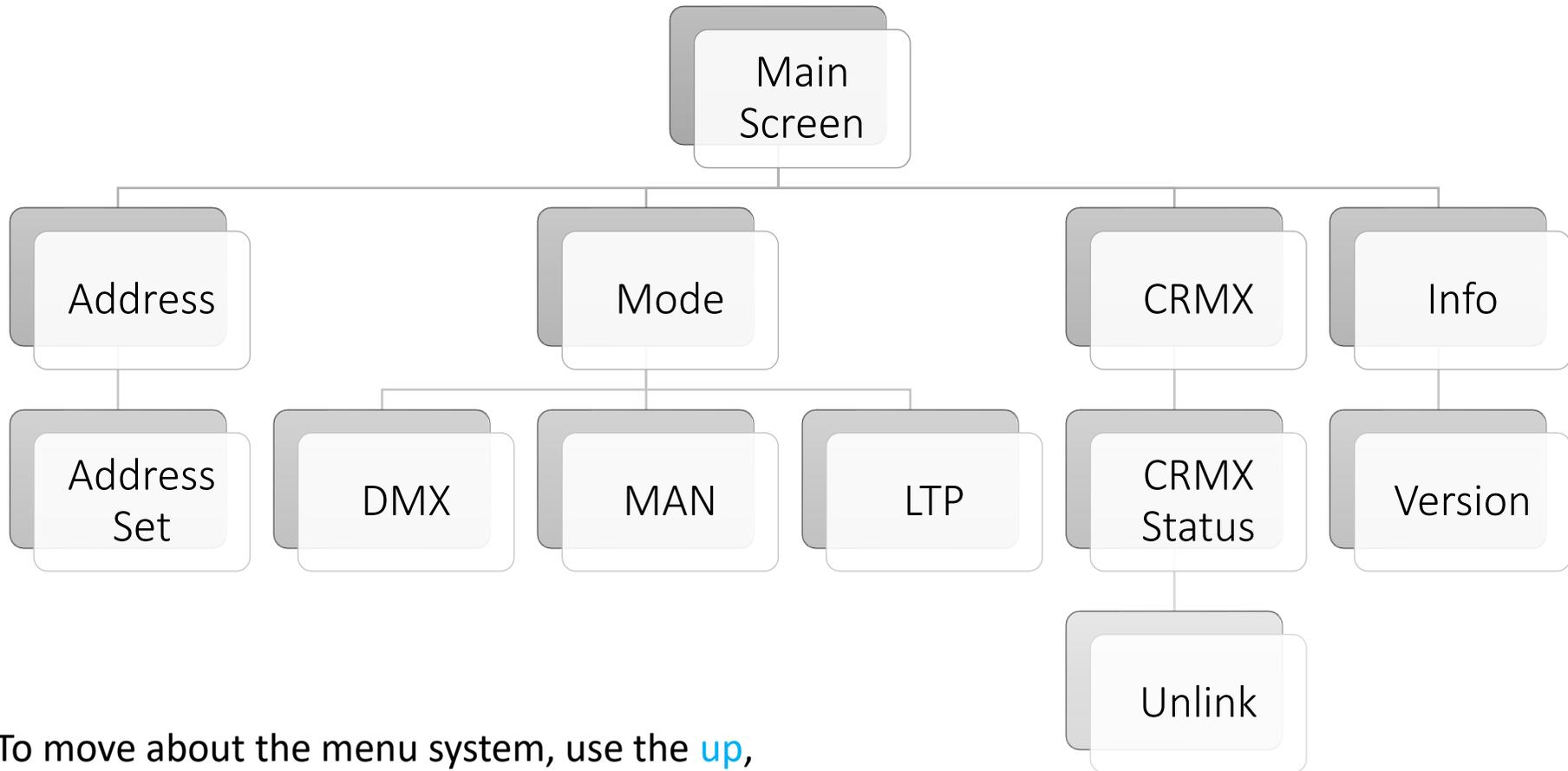


iL2200 Instructions: Modes

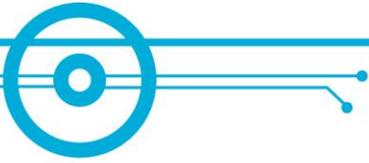
Mode	Description	Control method
DMX	CRMX control on address set	1 Channel radio DMX
MAN	Manual control	Manual control dial under handle
LTP	Latest Takes Precedence mode. CRMX control, if CRMX lost reverts to manual control	1 Channel radio DMX or manual control dial



iL2200 Instructions: Menu Structure



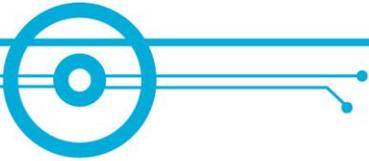
To move about the menu system, use the **up**, **down**, **enter** and **back** buttons



iL2200 Instructions: Switching it On

1. Connect the iL2200 to power (240V, 10A) using input connector.
2. Move the switch to the reset position.
3. The controller will boot up in the last used mode and show the current status on screen.





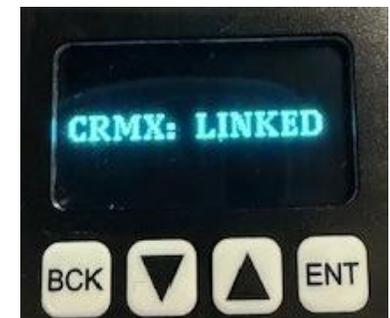
iL2200 Instructions: Use in DMX mode

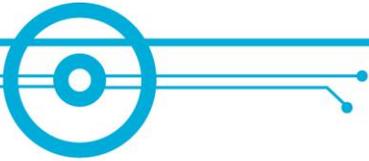
1. Set controller in DMX mode: press the **enter** button followed by the **up**, **down** buttons to navigate to the MODE menu. Press **enter** and then use the **up**, **down** and **enter** buttons to select the DMX mode. The screen will change to show the DMX mode status.
2. The icon in the bottom right of the screen will show the radio status. A cross through the signal bars means that the radio is not linked to a transmitter. When the controller is not receiving DMX there will be an 'X' after DATA.
3. To link a CRMX transmitter press the sync button on your transmitter, the line through the signal bars should disappear and 'OK' will be displayed after DATA.
4. To unlink a transmitter, use the keypad buttons to navigate to the CRMX menu and press **enter**. The status of the CRMX should be displayed, press **enter** again and confirm by pressing **enter** to unlink the radio. The **back** button can be used to navigate out of this menu if required.

1.



4.





iL2200 Instructions: Use in DMX Mode

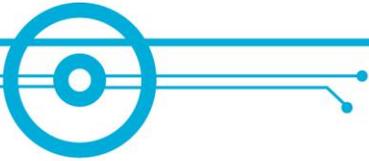
5. The DMX address is shown on the main screen after ADDR. To change the address, press the **enter**, **up** and **down** buttons to navigate to the Address menu.
6. Using the **up**, **down**, **back** and **enter** buttons to change the address either by going up and down on the units or by moving the cursor to change the tens and hundreds. When the desired address is set press **enter** to store the value and return to the main screen.
7. Once address is set and the controller is linked to a transmitter you will have control of the brightness of the load and the level in % will be shown in large numbers on the main screen.

6.



7.



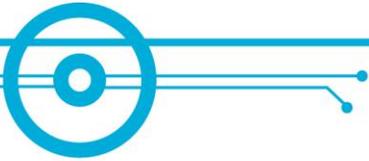


iL2200 Instructions: Use in MAN (Manual) mode

1. Set controller in MAN mode: press the **enter** button followed by the **up**, **down** buttons to navigate to the MODE menu. Press **enter** and then use the **up**, **down** and **enter** buttons to select the MAN mode. The screen will change to show the MAN mode status.
2. As the manual control dial is turned the brightness will increase and decrease. The level in % is shown on the screen.

1.





iL2200 Instructions: Use in LTP (Latest Takes Precedence) mode

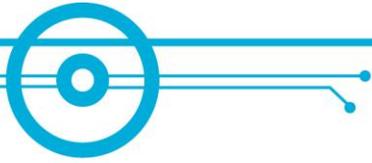
1. Set controller in LTP mode: press the **enter** button followed by the **up**, **down** buttons to navigate to the MODE menu. Press **enter** and then use the **up**, **down** and **enter** buttons to select the LTP mode. The screen will change to show the LTP mode status.
2. Set up the CRMX and radio as in the DMX mode.
3. The controller will work the same as in DMX mode until CRMX connection is lost. Then control will shift to manual mode, DATA will change to 'MAN'. When the manual control dial is moved more than 5% control will switch to the manual value. If the CRMX connection is re-established it will take over control.

1.



3.



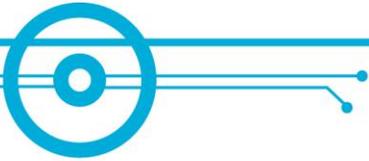


iL2200 Instructions: Info

1. The software version number is stored in the INFO menu.
2. Use the **enter** button followed by the **up**, **down** buttons to navigate to the INFO menu. Press **enter**.
3. The software version number will be displayed on the screen.
4. If the back button is pressed again it will return to the main screen or else, it will timeout back to the main screen.

3.



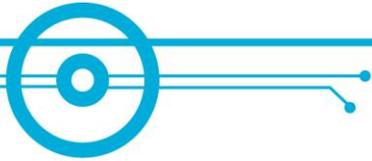


iL2200 Instructions: Current display

1. From the main screen in any mode if the **back** button is pressed the current on the output is displayed.
2. If the **back** button is pressed again it will return to the main screen or else, it will timeout back to the main screen.

1.





iL2200 Faults

If there is an over current on the output, the controller will go into fault mode. This will turn off the output and an error will appear on the screen.

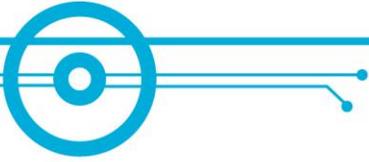
To reset an over current fault, turn off the rocker switch and then switch back on.

If the controller gets too hot it will turn the output off and display an over temperature fault.

To reset allow controller to cool, once cooled it can be re-started.

1.



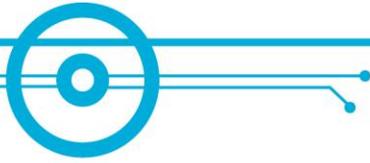


YouTube Support

We have a YouTube channel where there is a video demonstrating how to use the iL2200. The QR below will take you directly to the iL2200 Instructional video.

Alternatively, visit our YouTube channel, <https://youtu.be/J3tZ1ali6A4>





Get in Touch

If you require further support, don't hesitate to get touch.

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<https://www.facebook.com/ukempdesigns>



<https://www.linkedin.com/company/10971529/admin/dashboard/>



<https://www.youtube.com/channel/UCWgFEywgZkPVL0zmKIg6NtA>