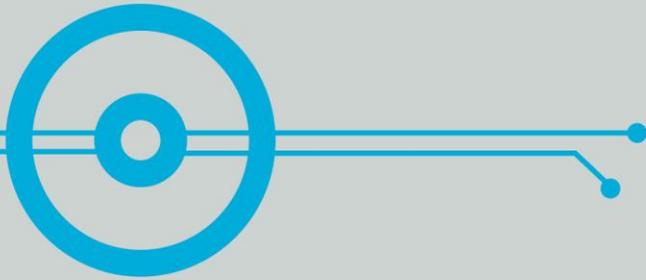


emp designs

Plug Top Dimmer User Guide

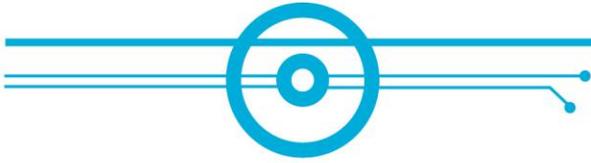


DATE

6/11/2025

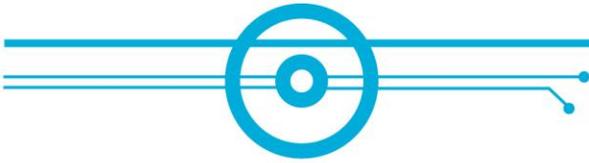
PREPARED BY

Kate Stanton



Contents

Page	Contents
Page 3	Important Safety Notice
Page 4	Specification
Page 5	Fault Conditions
Page 6-8	Using the Plug Top Dimmer
Page 9	Button Functionality and Additional Features
Page 10	YouTube Support
Page 11	Get in Touch



IMPORTANT SAFETY NOTICE

Read this user guide in full before you attempt to use the Plug Top Dimmer .

On receipt of the Plug Top Dimmer, 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 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 Plug Top Dimmer is safe to use prior to each application, should always complete on-site testing.

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

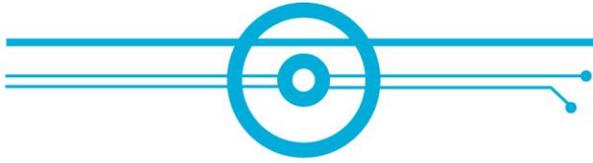
Do not attempt to disassemble the controller in any way. Please return the controller to EMP Designs Ltd. if any servicing is required.

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.

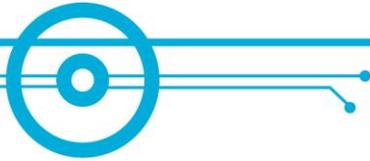
Avoid places subject to extremely high temperatures or humidity.

EMP Designs Ltd
Plug Top Dimmer User Guide 30/10/2025



Specification

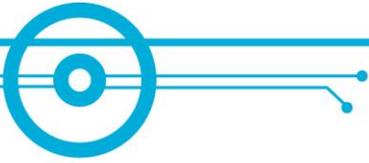
The Plug Top Dimmer is an CRMX controlled incandescent lamp inline dimmer capable of dimming loads up to 200W. The device features over-current protection and thermal protection. This product is a trailing edge dimmer and therefore may not work with all bulb types, please check for trailing edge compatibility before use.



Fault Conditions

The Plug Top Dimmer has two fault conditions, one to signal that the device has overheated and the other to show that the load attached to the device is drawing too much current. In either fault condition, the device will flash a code to indicate the fault and turn off the load. The only way to exit a fault condition is to turn the Plug Top Dimmer off and on again.

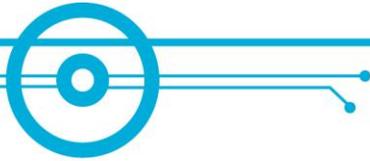
Fault Condition	Red LED Pattern
Over- Heating Protection	Single flash followed by a period of the LED ring being off
Over- Current Protection	Double flash followed by a period of the LED ring being off.



Using the Plug Top Dimmer

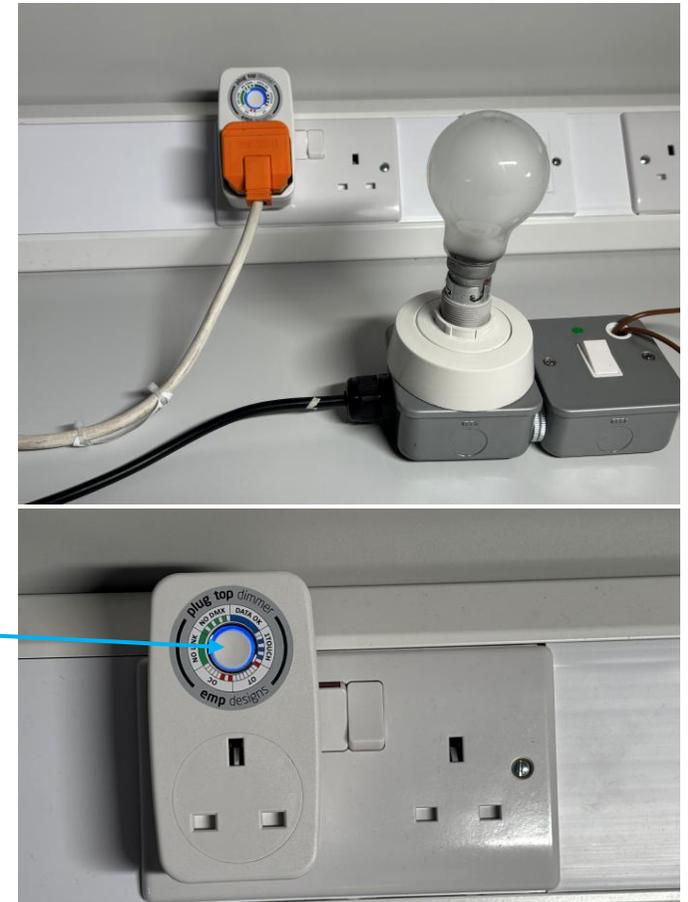
1. Plug the Plug Top Dimmer into a standard 13-amp mains socket.
2. The LED ring around the button should now be a solid green, indicating the device is powered up and that there is currently no radio connection.
3. Press sync on your CRMX compatible transmitter.
4. The LED ring should now be a solid blue colour.



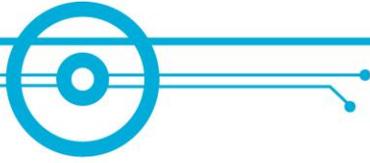


Using the Plug Top Dimmer

5. Plug in the bulb/dimmable load into the front of the Plug Top Dimmer .
6. To enter the 1Touch addressing mode, quickly press the button in the centre of the LED ring, the LED ring will now be flashing blue.
7. On the CRMX compatible transmitter flash the channel that you wish to control the Plug Top Dimmer with. The LED ring should now be solid blue again.



This blue ring of light will start flashing. Once it has connected to the transmitter it will stop flashing and stay on.



Using the Plug Top Dimmer

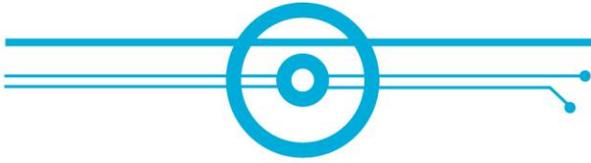
8. Now the Plug Top Dimmer should be dimming the load with the channel that was just requested.

Additional Features on the Plug Top Dimmer

9. If you hold the central button down for 10 seconds until you see the LED ring flash red and blue, it will lock the device so that nobody can change the settings. In this mode the LED ring will then turn off. This is handy on set when you do not want the Plug Top Dimmer to be visible.

10. To come out of lock mode, press and hold the central button again for ten seconds until the LED ring turns green.

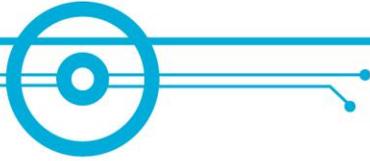




Button Functionality on the Plug Top Dimmer

The button at the centre of the LED ring has different functions; the functions are as follows:

Action	Outcome
Quick Press	Enter 1Touch addressing mode.
Press and hold until green LED comes on	Unsynchronise from the transmitter
10 second hold until blue and red LED flash	Locks the status and turns off the LED ring so the device is discrete on sets. To unlock, hold again for 10 seconds until the LED turns blue.

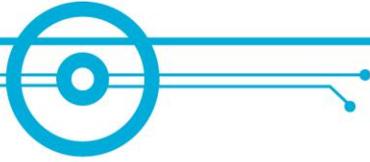


YouTube Support

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

Alternatively, visit our YouTube channel https://youtu.be/rcNJ_DoRR4E





Get in Touch

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

Address

EMP Designs Ltd
Unit 15 Camberley Business Centre
Bracebridge
Camberley
Surrey
GU15 3DP

Phone

01252 514477

E-mail

info@empdesigns.co.uk
sales@empdesigns.co.uk

Website

<https://www.empdesigns.co.uk/>

Social Media



<https://www.instagram.com/empdesignsltd/>



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



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



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