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Candelair RGBW User Guide



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IMPORTANT SAFETY NOTICE

Read this user guide in full before you attempt to use the Candle Insert. If you do not fully understand anything contained in it, contact your supplier.

Before use, check the unit for damage. If you suspect damage, do not use it until you have discussed the issue with your supplier.

Do not attempt to disassemble the Candle Insert. Contact your supplier if any servicing is required.

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

Any misuse of the Candle Insert may impact your warranty.

The Candle Insert contains a rechargeable battery that is not user serviceable. The user shall not open, crush, puncture, short-circuit, heat or incinerate the unit, or expose it to fire or to temperatures outside its specified operating range.

The unit shall be charged only through its USB-C port, using a power source that complies with the safety standards applicable in the country of use. Use of a non-compliant charger or cable is at the user's sole risk and may invalidate the warranty.

Do not use or charge the unit in wet, damp or humid environments. Do not charge it in confined locations, near flammable materials or while covered, or leave it unattended while charging.

The unit shall be powered down manually after the charger is unplugged. Failure to do so may damage the battery or reduce its service life.

If the unit becomes hot, swollen or damaged, or emits an odour or smoke, disconnect the charger, stop using it and contact your supplier.

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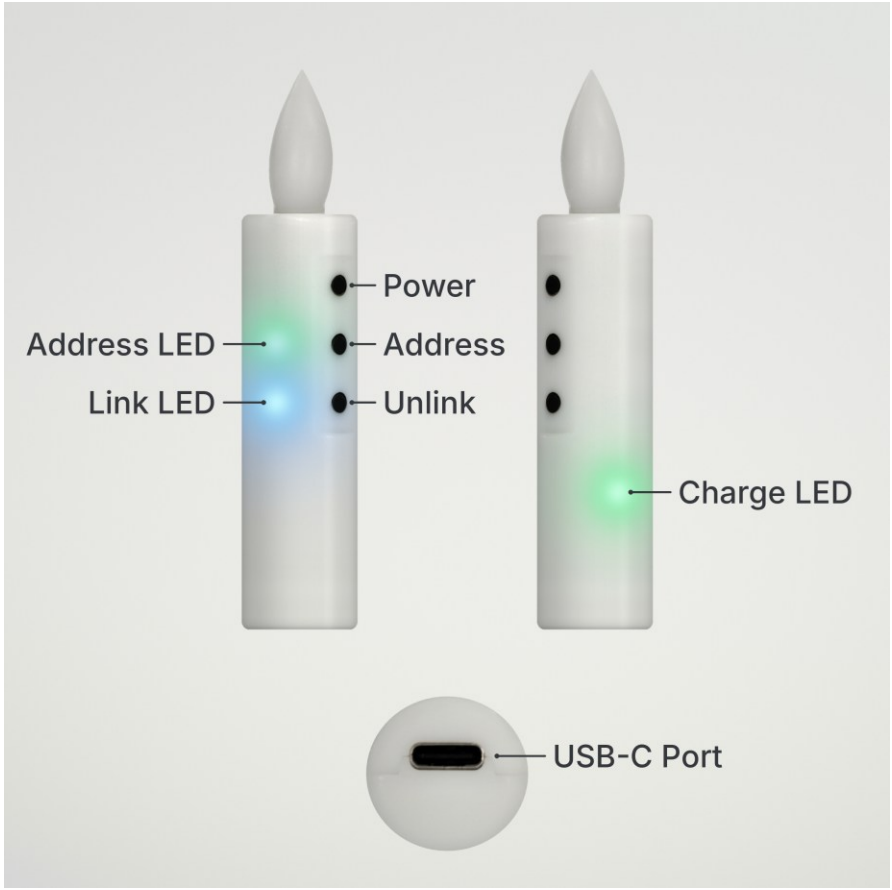
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Specification

Specification	Detail
Output	4 LED channels: Red, Green, Blue, 1800 Kelvin White
DMX Channels	4: start address Red, then Green, Blue, 1800 Kelvin White
Start Address Range	1–509
Communication	Wireless DMX
Power	USB-C charging
Battery Run Time	12 hrs
Battery Charge Time	2 hrs
Dimensions	20 mm wax drill diameter, 72 mm body height, plus 28 mm flame height

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Product Overview



- **Power button:** turns the candle on and off.
- **Address button:** enters One-Touch address mode.
- **Unlink button:** forgets the transmitter.
- **Address LED:** on while in One-Touch address mode.
- **Link LED:** shows link and DMX status.
- **Charge LED:** green while charging, red if there is a fault.
- **USB-C port:** connects the charger.

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Buttons & Power

Button	Press	Does
Power	Short press	Turns on. Link LED lights for 1 s to confirm.
Power	Hold 3 s until both LEDs light, then let go	Turns off when you let go.
Unlink	Hold 3 s	Forgets the transmitter. Keeps the DMX address.
Address	Hold 3 s (Address LED comes on)	Enters One-Touch address mode. See DMX Address.

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Charging

The candle charges through its USB-C port. The Charge LED shows the charging state.

To charge the candle:

1. Connect a USB-C charger to the candle.
2. The Charge LED glows green while the candle is charging.
3. The Charge LED goes off when charging is complete.
4. Unplug the charger.
5. **Power the candle down manually.** Hold Power for 3 s until both Link and Address LEDs light, then let go.

Always power the candle down after unplugging the charger.

This applies whatever the candle's power state was before the charger was connected. The candle cannot be turned off while the charger is connected, and it stays on after the charger is removed until you power it down.

If the Charge LED turns red, there is a charging fault.

Stop charging and contact your supplier.

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Linking to a Transmitter

The candle must be linked to a transmitter before it will respond to DMX.

To link the candle:

1. Unlink any existing wireless DMX link.
2. Link the candle from the transmitter.

When the candle is linked and receiving DMX, the Link LED goes off.

To unlink the candle:

1. Hold the Unlink button until the Link LED gives two quick blips every 2 s.

The candle forgets the transmitter but keeps its DMX address.

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DMX Address

The candle uses One-Touch addressing. The start address is the first of the four DMX channels the candle uses: Red, then Green, Blue and 1800 Kelvin White. The start address can be 1–509, so all four channels fit inside the 512-channel universe.

To set the DMX address:

1. Check the candle is linked and getting DMX.
2. Hold the Address button for 3 s. The Address LED comes on.
3. On the lighting desk, flash the channel you want to start at from 0 to full.

The Address LED goes off and the address is saved. That channel is now Red, and the next three are Green, Blue and 1800 Kelvin White.

The candle remembers its address even when powered off.

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Link LED Indication

Link LED	Meaning
On for 1 s	Just turned on.
Two quick blips every 2 s	Not linked. Link it from the transmitter.
Off	Linked and getting DMX. This is the normal show state.
One flash about every second	Linked, but the transmitter is not sending DMX.
Fast flashing	Linked, but the transmitter’s signal has been lost.

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Candle Light

Situation	Candle shows
Just turned on	Dark until the first DMX arrives.
Linked and getting DMX	R, G, B, 1800K from its address, at the levels sent.
Address mode	Stays on its current look until the new address is set.
Signal lost, or no DMX	Stays on its last look.
After unlinking	Stays on its last look until it is linked again and gets DMX.
Powered off	Off.

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Get In Touch

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

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