

Important: Read all instructions prior to installation.

RGB/RGBW, CCT, and Dimming Controller

Safety and Notes

- Product should be installed and serviced in accordance with applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source and circuit breakers are switched off before performing any installation or wiring procedures.
- Each controller can be paired to up to ten (10) remotes.
- Controller will auto-transmit signals from remote to additional controllers within 98.4 ft (30 m).

Compatible Remotes

- DS-RGBW - RGB/RGBW remote
- DS-CCT - Tunable White (CCT) remote
- DS-DM - Dimming remote

Pairing Remote(s)

REMOTE(S) MUST BE PAIRED AS PART OF THE INSTALLATION PROCESS AND DO NOT COME PRE-PAIRED.

To pair a remote, press match button, then immediately press on/off button on the remote. Connected light(s) will flash three times to indicate successful pairing. To unpair a remote, hold match button for five seconds, Connected light(s) will blink five times to indicate all remotes have been unpaired.



Controller Specifications

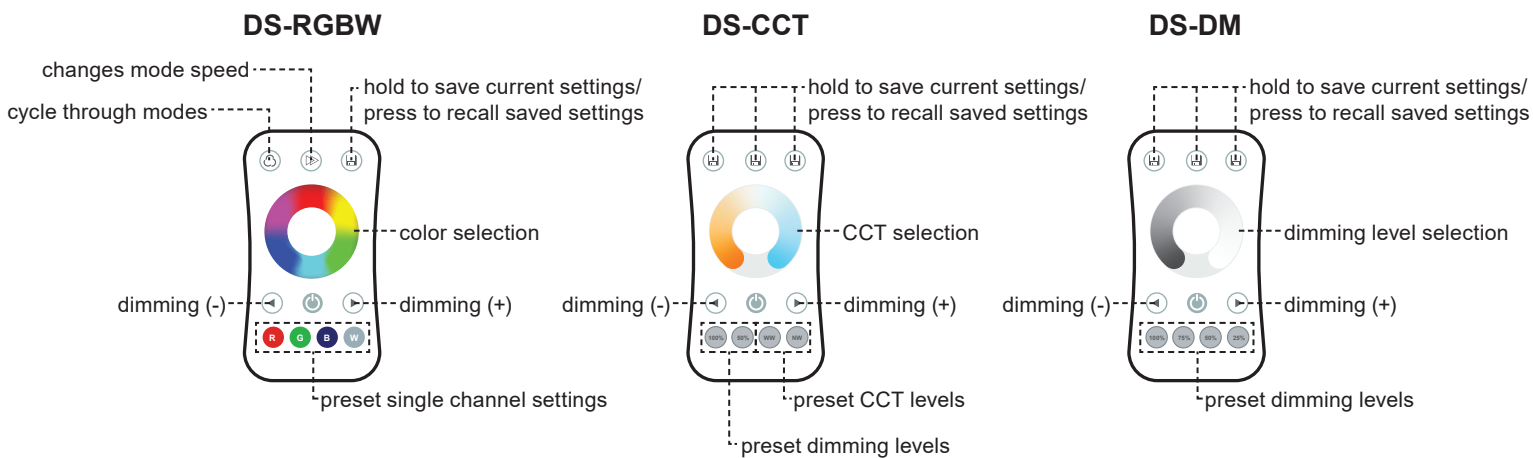
| Model | DS-CO4 |
|-----------------------|--------------------------|
| Operating Temperature | -22°–131° F (-30°–55° C) |
| IP Rating | IP67 |

Check product label for specific electrical specifications related to installation. Improper installation will void warranty.

Dynamic RGB/RGBW Mode List

| Mode | Mode Description |
|------|------------------------------|
| 01 | RGB Jump |
| 02 | RGB smooth |
| 03 | 6-color jump |
| 04 | 6-color smooth |
| 05 | Yellow, Cyan, Magenta smooth |
| 06 | RGB fade in/out |
| 07 | Red fade in/out |
| 08 | Green fade in/out |
| 09 | Blue fade in/out |
| 10 | White fade in/out |

Remote Controls

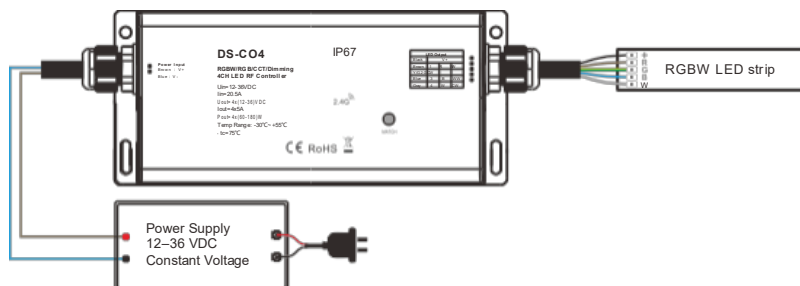


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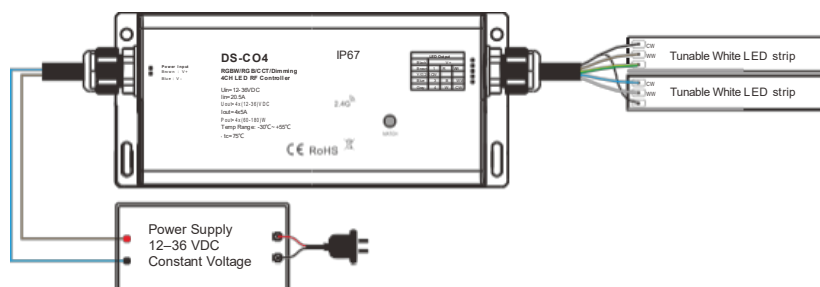
RGB/RGBW, CCT, and Dimming Controller

Typical Wiring

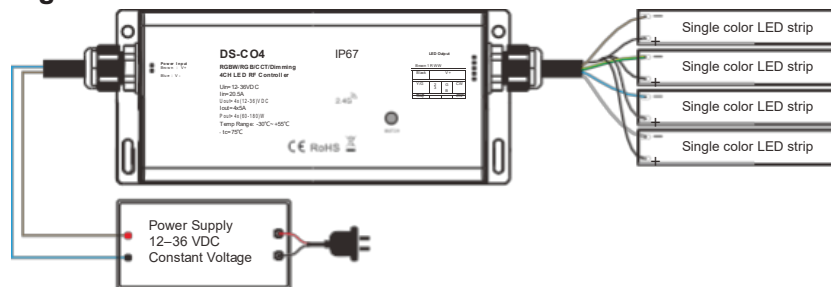
RGB/RGBW



Tunable White



Single Color



Troubleshooting

| Malfunctions | Causes | Troubleshooting |
|--|--|---|
| No light | <ol style="list-style-type: none"> 1. No power 2. Incorrect or loose connection | <ol style="list-style-type: none"> 1. Check power 2. Check the connection |
| Wrong color | <ol style="list-style-type: none"> 1. Incorrect wiring | <ol style="list-style-type: none"> 1. Check wiring |
| Uneven intensity between front and rear, with voltage drop | <ol style="list-style-type: none"> 1. Output cable is too long 2. Wire diameter is too small 3. Overload beyond power supply capability 4. Overload beyond controller capacity | <ol style="list-style-type: none"> 1. Reduce cable length 2. Change to higher gauge wire 3. Replace with a higher wattage power supply 4. Add power repeater. |
| Malfunction "no response from remote" | <ol style="list-style-type: none"> 1. The battery has no power. 2. Beyond controllable distance. 3. Controller and remote are not correctly paired. | <ol style="list-style-type: none"> 1. Check/replace battery. 2. Reduce distance from remote to controller. 3. Re-pair the remote and controller. |