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).

Battery Safety

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

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.

Mode Selection

The controller should come preset to RGBW mode. To switch modes hold the match button for 5 seconds to unpair existing remotes, then hold for an additional 10 seconds after that to return to default RGBW mode, and finally hold for an additional 15 seconds after that to enter RGB mode.

⚠ WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

Controller Specifications

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

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 (All Compatible Remotes)

DS-RGBW (RGB/RGBW remote)

changes mode speed

hold to save current settings/ press to recall saved settings

cycle through modes

color selection

dimming (-)

dimming (+)

preset single channel settings

DS-CCT (Tunable White remote)

hold to save current settings/ press to recall saved settings

CCT selection

dimming (-)

dimming (+)

preset CCT levels

preset dimming levels

DS-DM (Dimming remote)

hold to save current settings/ press to recall saved settings

dimming level selection

dimming (-)

dimming (+)

preset dimming levels

RGB/RGBW, CCT, and Dimming Controller

Typical Wiring

RGB/RGBW
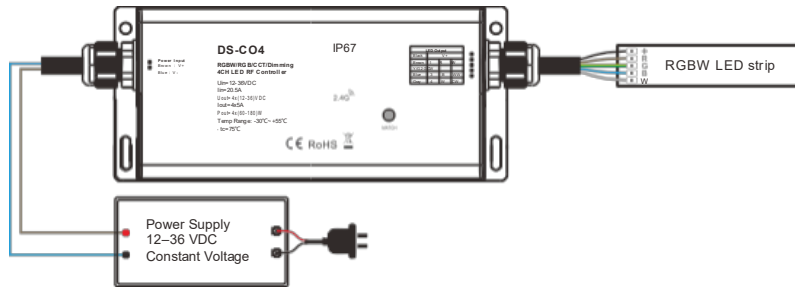
Tunable White
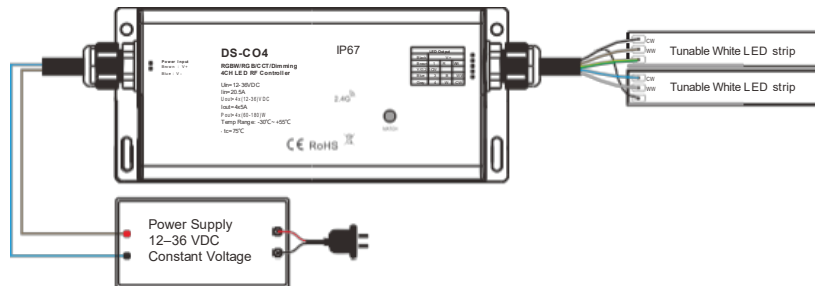
Single Color
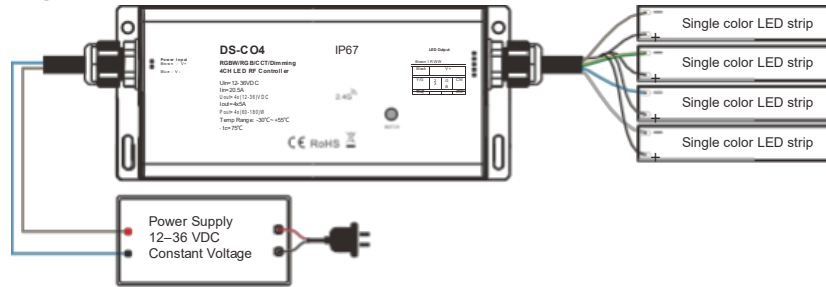
Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power 2. Incorrect or loose connection	1. Check power 2. Check the connection
Wrong color	1. Incorrect wiring	1. Check wiring
Uneven intensity between front and rear, with voltage drop	1. Output cable is too long 2. Wire diameter is too small 3. Overload beyond power supply capability 4. Overload beyond controller capacity	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"	1. The battery has no power. 2. Beyond controllable distance. 3. Controller and remote are not correctly paired.	1. Check/replace battery. 2. Reduce distance from remote to controller. 3. Re-pair the remote and controller.