RGBWRD
Installation Instructions

IMPORTANT SAFEGUARDS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

RGBWRD
Installation Instructions

Standard 24VDC Installation

1. Turn off the power before installation. Remove the existing fixture if applicable. Determine the location and necessary hole cutout diameter using the supplied hole size chart and cut the ceiling hole with the listed approximate diameter. (Fig. 1)

2. Connect the 24VDC building power lines to the corresponding LED panel leads. See **Electrical Connections** on next page. (Fig. 4)

3. Push the spring-loaded clips upwards and insert the fixture into the mounting hole. Release the clips and the fixture will grip flush with the ceiling / drywall. (Fig. 2 and 3)

4. Turn on the power to confirm the fixture is working properly.

RF Accessory Installation

1. Turn off the power before installation. Remove the existing fixture if applicable. Determine the location and necessary hole cutout diameter using the supplied hole size chart and cut the ceiling hole with the listed approximate diameter. (Fig. 1)

2. Connect 120VAC building supply line to the input of the power supply using the appropriate connectors (not included). Connect the LED panel leads to the corresponding 24VDC output of the power supply. See **Electrical Connections** on next page. (Fig. 5)

3. Insert the power supply box through the mounting hole and secure it.

4. Push the spring-loaded clips upwards and insert the fixture into the mounting hole. Release the clips and the fixture will grip flush with the ceiling / drywall. (Fig. 2 and 3)

5. Turn on the power to confirm the fixture is working properly.

D-JB Accessory Installation

1. Turn off the power before installation. Remove the existing fixture if applicable. Determine the location and necessary hole cutout diameter using the supplied hole size chart and cut the ceiling hole with the listed approximate diameter. (Fig. 1)

2. Securely mount the junction box in a remote location.

3. Open the junction box cover and remove the appropriate knockout(s) on the side panel. Connect 120VAC building supply line to the input of the power supply using the appropriate connectors (not included). Route the power supply's 24VDC output to the decoders input. Connect the LED panel leads to the decoder inside the junction box. Route the building's DMX Controller supply lines to the DMX input of the decoder. See **Electrical Connections** section on next page. (Fig. 6)

4. Replace junction box cover with appropriate hardware.

5. Push the spring-loaded clips upwards and insert the fixture into the mounting hole. Release the clips and the fixture will grip flush with the ceiling / drywall. (Fig. 2 and 3)

6. Turn on the power to confirm the fixture is working properly.

Fig. 1

HOLE SIZE
4": 4-21/64" (110mm)
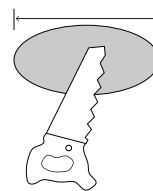6": 6-19/64" (160mm)
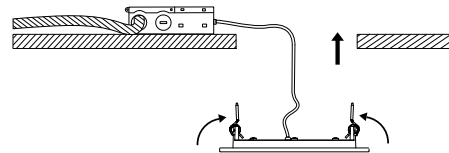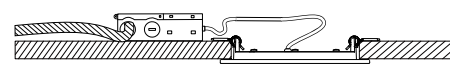8": 8-17/64" (210mm)
11": 11-27/64" (290mm)

Fig. 2

Fig. 3

Electrical Connections

Make electrical connections as follows:
Note: Cap unused leads to prevent shorting.
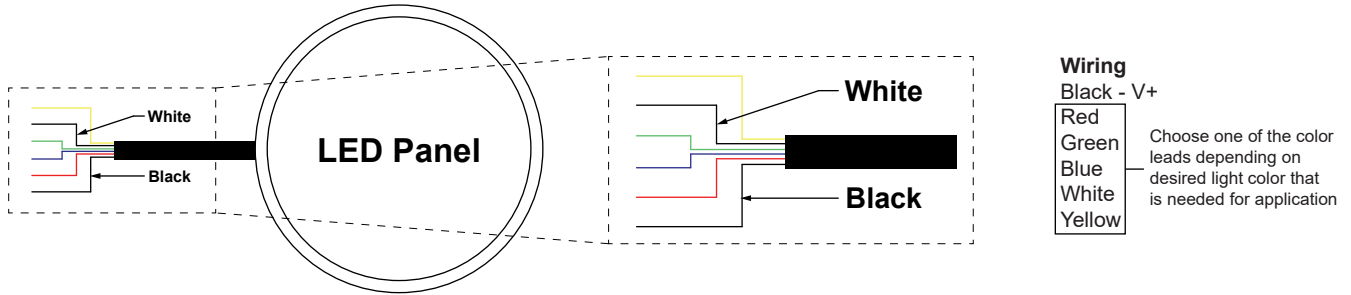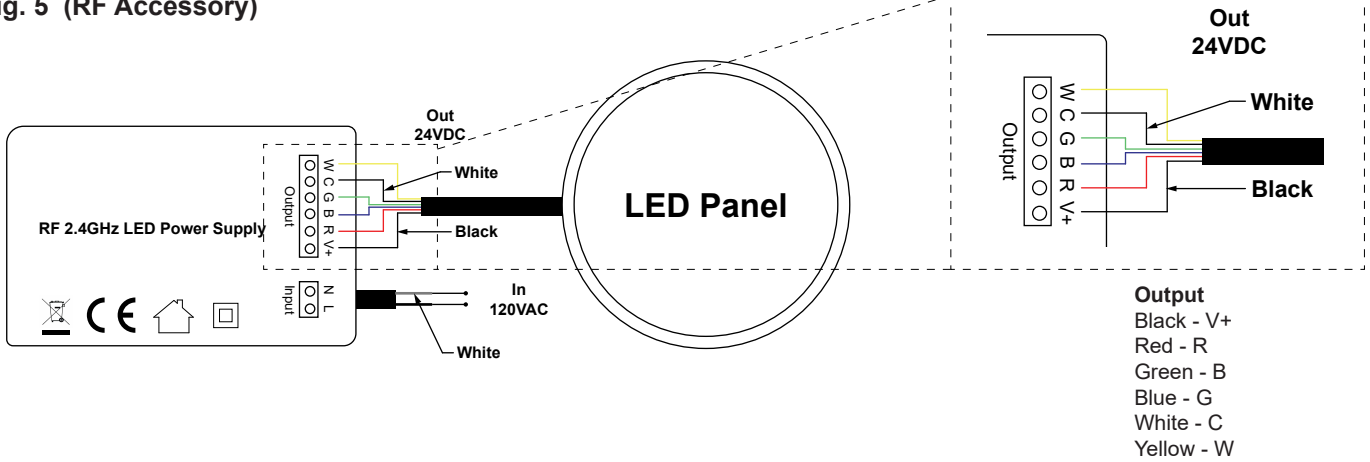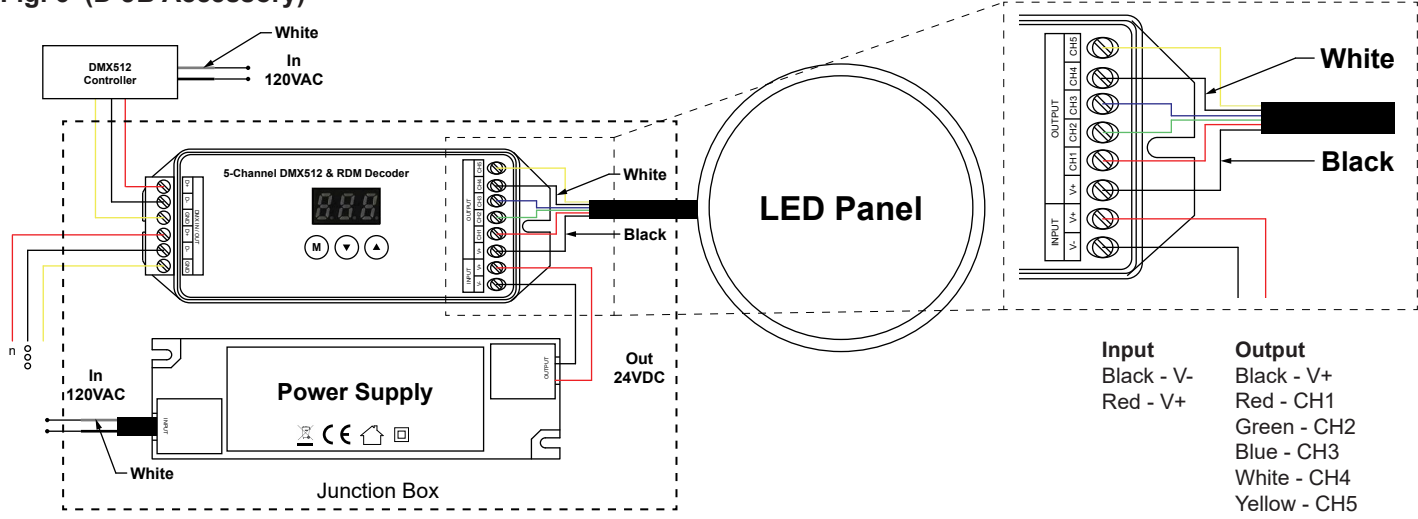
Fig. 4 (Standard 24VDC)

White

LED Panel

White

Black

Black

Wiring
Black - V+

| Red |
| Green |
| Blue |
| White |
| Yellow |

Choose one of the color leads depending on desired light color that is needed for application

Fig. 5 (RF Accessory)

Out 24VDC

Output W C G B R V+

White

Black

RF 2.4GHz LED Power Supply

Output

Out 24VDC

White

Black

Input N L

In 120VAC

White

LED Panel

Output
Black - V+
Red - R
Green - B
Blue - G
White - C
Yellow - W

Fig. 6 (D-JB Accessory)

White

In 120VAC

DMX512 Controller

White

5-Channel DMX512 & RDM Decoder

White

Black

LED Panel

M ▼ ▲

In 120VAC

Power Supply

Out 24VDC

White

Junction Box

OUTPUT CH5 CH4 CH3 CH2 CH1

INPUT V+ V+ V-

White

Black

Input	Output
Black - V-	Black - V+
Red - V+	Red - CH1
	Green - CH2
	Blue - CH3
	White - CH4
	Yellow - CH5

Remote Controller
Controls (Fig. 6)

Master On	Turns on all lights. Press and hold to change the color of all lights to white.
Master Off	Turns off all lights. Press and hold to set the lights to night light mode.
Color Ring	Changes the color of the lights to the selected color.
Color Temperature Line	Changes the color of the lights to white. Pressing again will change the CCT.
Brightness	Changes the brightness of the lights.
Speed +	Increases the rate at which the lights change color.
Speed -	Decreases the rate at which the lights change color.
Zone On	Turns on all lights in the zone. Press and hold to change the color of all lights in the zone to white.
Zone Off	Turns off all lights in the zone. Press and hold to set the lights to night light mode.

Fig. 6
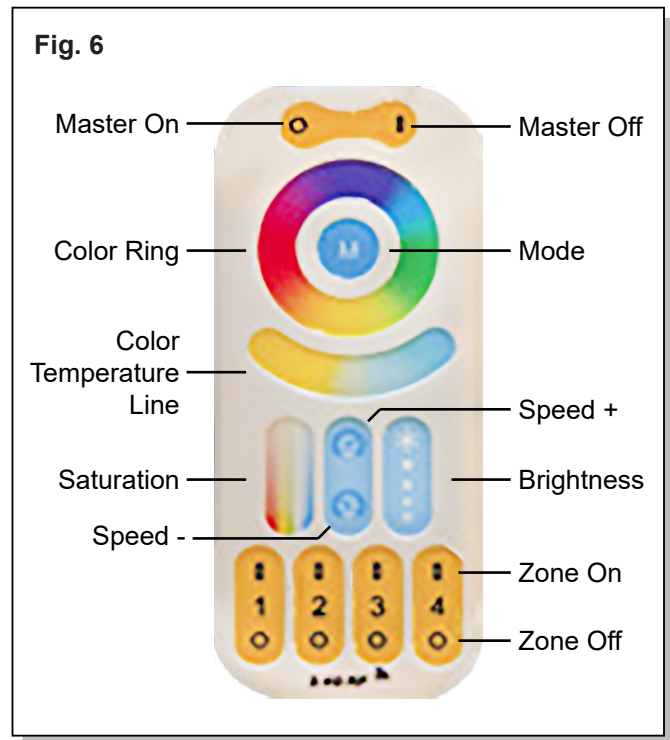
Setup

1. Turn off power to the fixture for 5 seconds, then restore power.

2. For the desired zone, press the "Zone On" button repeatedly.

3. If the fixture illuminates 3 times slowly, it has successfully been linked to the remote. Otherwise, repeat the procedure from step 1.

Unlinking a Fixture from the Remote

1. Turn off power to the fixture for 5 seconds, then restore power.

2. For the desired zone, press the "Zone On" button repeatedly.

3. If the fixture blinks 10 times, it has successfully been unlinked from the remote. Otherwise, repeat the procedure from step 1.

Note: If the indicator LED is blinking rapidly, the battery is low and needs to be replaced.
Successful operation depends on the environment. Try to avoid areas that will affect communication between the controller and fixture.

BARRON
lighting group
800-533-3948 www.barronltg.com