Operational Guide for **Controller Dial with Power Supply**

Selecting Modes

Configure your CDP by setting the DIP switches on the front:

COLOR MODE

CHASE MODE

NOTE: The DIP switches must remain accessible after installation. When making changes in the DIP switch settings, disconnect and reconnect the power supply to activate new settings.

Operating CDP

1- Turn the light on

TAP

2- Change brightness

BRIGHTNESS

3- Turn the light off

TAP

Advanced Operation for Color Mode

1- Turn the light on

TAP

2- Activate configuration mode

2 SEC

3- Set Color

4- Save color saving

TAP

Advanced Operation for Chase Mode

1- Turn the light on

TAP

2- Activate configuration mode
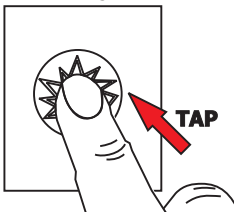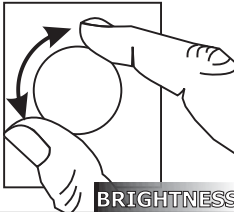
2 SEC
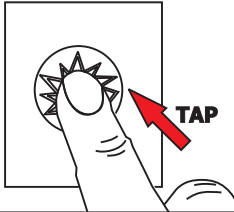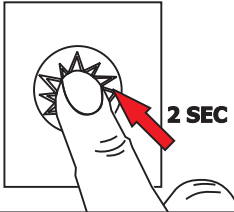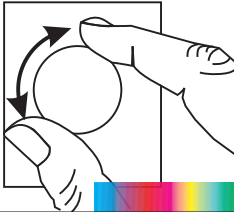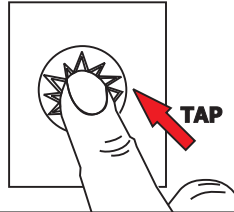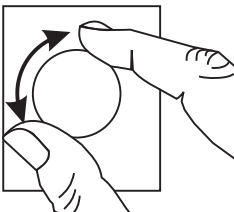
3- Set show speed

4- Save color setting

TAP

Advanced Operation for RGBW

1- Turn the light on	2- Activate configuration mode	3- Set Color	4- Activate White
TAP	2 SEC		TAP
5- Set White	6- Save settings	7- Dim	
	TAP	BRIGHTNESS	

CDP

904-CDP_02

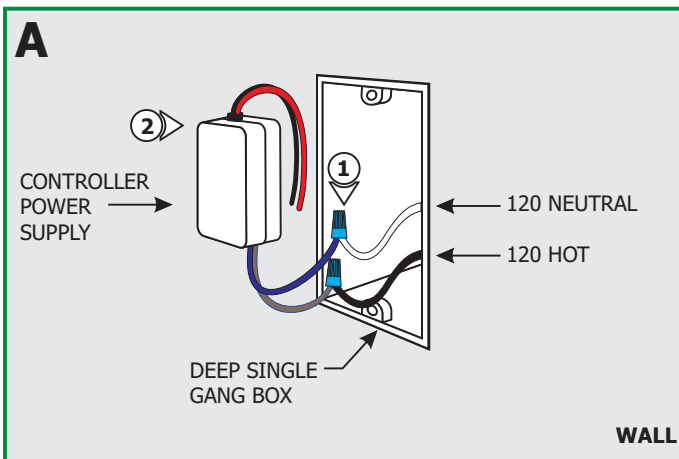# Installation Instructions for **Controller Dial with Power Supply**

IMPORTANT INFORMATION

- This instruction shows a typical installation.

SAVE THESE INSTRUCTIONS!

Installing CDP Panel

A

CONTROLLER POWER SUPPLY

120 NEUTRAL

120 HOT

DEEP SINGLE GANG BOX
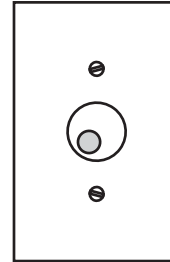
WALL

NOTE: Before beginning any electrical work, ensure that power to the electrical box is turned off.

NOTE: This product requires deep double gang electrical box.

**1:** Connect the brown and blue wires of the 24VDC transformer to the 120 volt hot and neutral wires with wire nuts respectively.

2: Place the controller power supply inside the double gang box.

B

PHILLIPS SCREW

POWER SUPPLY

COVER

CASE
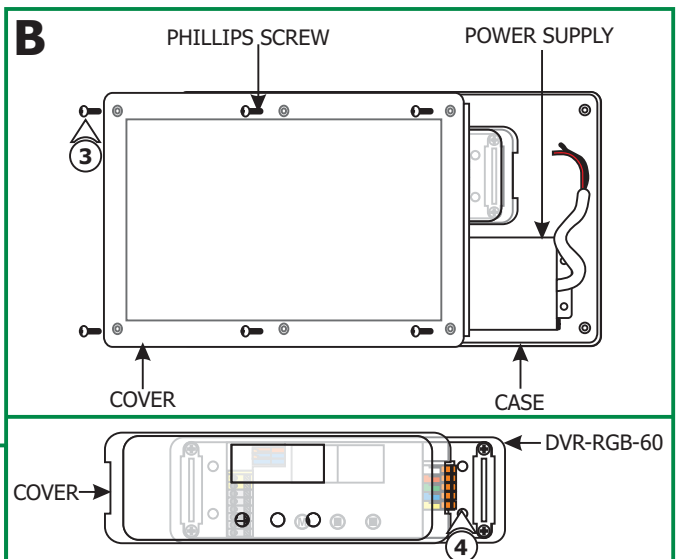
COVER

DVR-RGB-60

3: Loosen the six Phillips screws on front of the power supply to remove the cover.

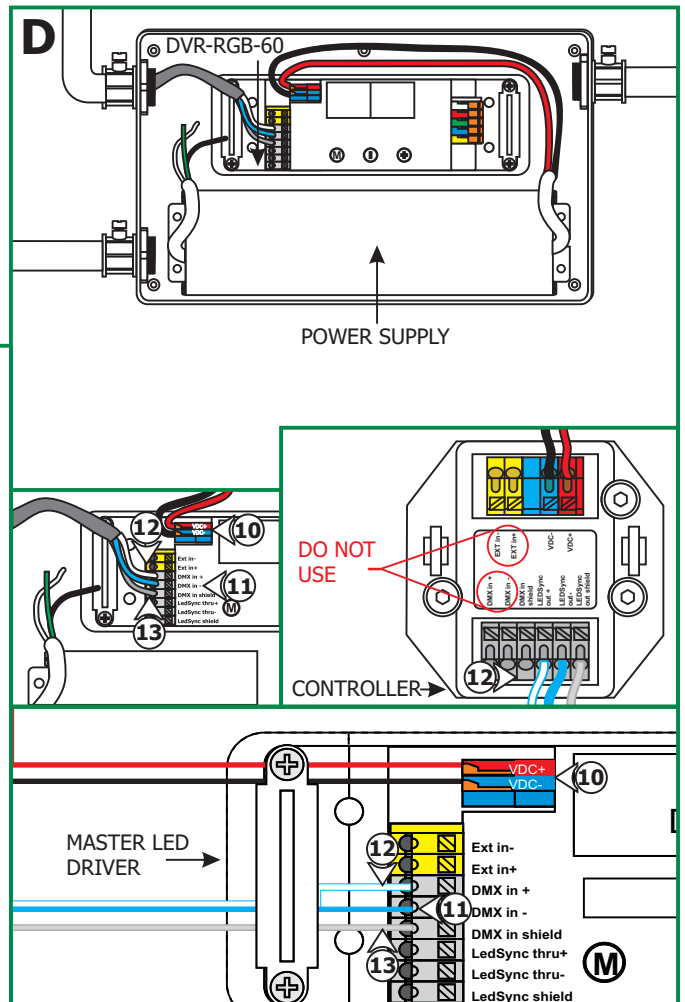**4:** Carefully pull off the cover from the DVR-RGB-60 driver.

1

C

CONTROLLER POWER SUPPLY

CONTROLLER

ELECTRICAL BOX

DMX CABLE (BELDEN #9841)

CONDUIT
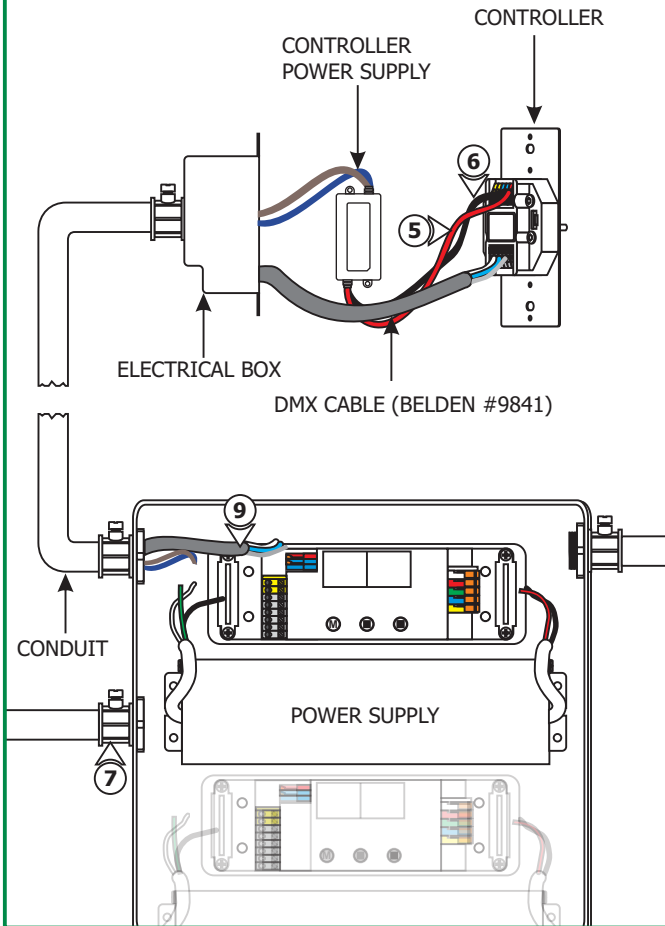
POWER SUPPLY

NOTE: Refer to the "Configuring DimWheel" & "Operating DimWheel" for help on programming the Dimwheel.

5: Connect the red wire of the power supply to the "VDC+" terminal of the controller.

6: Connect the black wire of the power supply to the "Ground" terminal of the controller.

7: Run the blue and brown line voltage wires coming from the controller power supply to the power supply case.

8: Install conduits from controller, main panel (line voltage), and soft strip to power supply.

9: Run proper DMX cable **(Belden #9841 recommended)** with three data wires from controller to the power supply box.
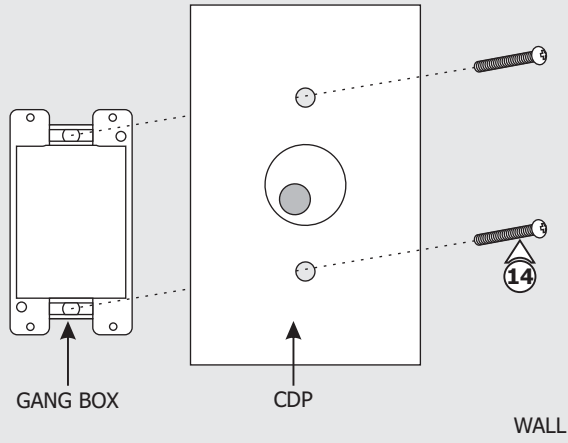
D

DVR-RGB-60

POWER SUPPLY

NOTE: "DMX in+", "DMX in-", "EXT in+" & "EXT in-", controller terminals are not used on controller.

10: Install a red wire from the power supply to DVR-RGB-60 "VDC+" red terminal and a black wire from power supply to DVR-RGB-60 "VDC-" blue terminal.

11: Connect one end of a data wire (blue with white stripes wire) to controller "LEDSYNC OUT–" terminal. Connect the other end into the DVR-RGB-60 "DMX in −" terminal.

12: Connect one end of a data wire (white with blue stripes wire) to controller "LEDSYNC OUT+" terminal. Connect the other end into the DVR-RGB-60 "DMX in +" terminal.

13: Connect one end of a data wire (bare shield wire) to controller "LEDSYNC SHIELD" terminal. Connect the other end into the DVR-RGB-60 "DMX in shield" terminal.

NOTE: For assistance wiring a fixture to LED Driver reference fixture installation instructions.

DO NOT USE

CONTROLLER→

MASTER LED DRIVER

VDC+
VDC-
Ext in-
Ext in+
DMX in +
DMX in -
DMX in shield
LedSync thru+
LedSync thru-
LedSync shield

E

GANG BOX   CDP

WALL

14: Screw CDP unit onto gang box using provided screws.

> **NOTE:** Reference operation guide for information on programming CDP unit.