

INSTALLATION INSTRUCTION
InvisiLED® Indoor Controller
LED-TC-CTR-MSD

WAC LIGHTING
Responsible Lighting®

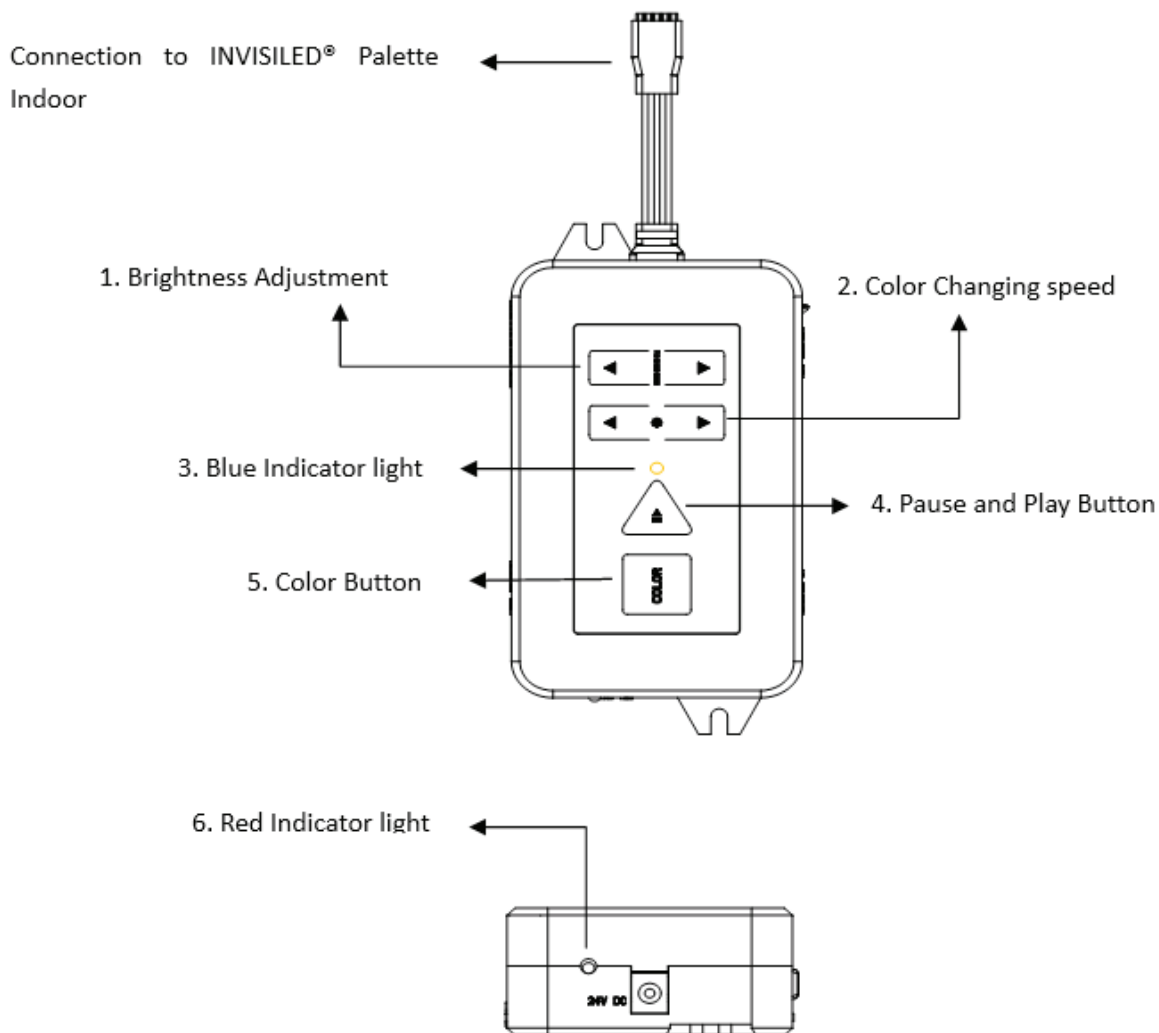
KEY SPECIFICATIONS:

Overall dimensions: 3 11/16" x 2 1/4" x 1" (94mm x 57mm x 25mm)
Min/max run length: Under 24V 60W DC power supply, it can control 40ft of INVISILED® Palette.
Power Supply: 24V DC power supply, Class II
Current: 4.2A Maximum

Application: Intended for indoor use, in dry or damp locations.

The recommended ambient environment temperature is -4°F to 122°F, and relative humidity up to 95%. Suggested for use with refrigerated food or beverage cabinets; bar and counter accent; under cabinet task lighting; toe kick accent lighting; display cases and windows; trade show booths; architectural coves; audio/visual accents.

CONTROLLER PUSH BUTTONS:



WAC Lighting
www.waclighting.com
Phone (800) 526.2588 • Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive • Port Washington, NY 11050
Phone (516) 515.5000 • Fax (516) 515.5050

Western Distribution Center
1750 Archibald Ave • Ontario, CA 91761
Phone (800) 526.2588 • Fax (800) 526.2585

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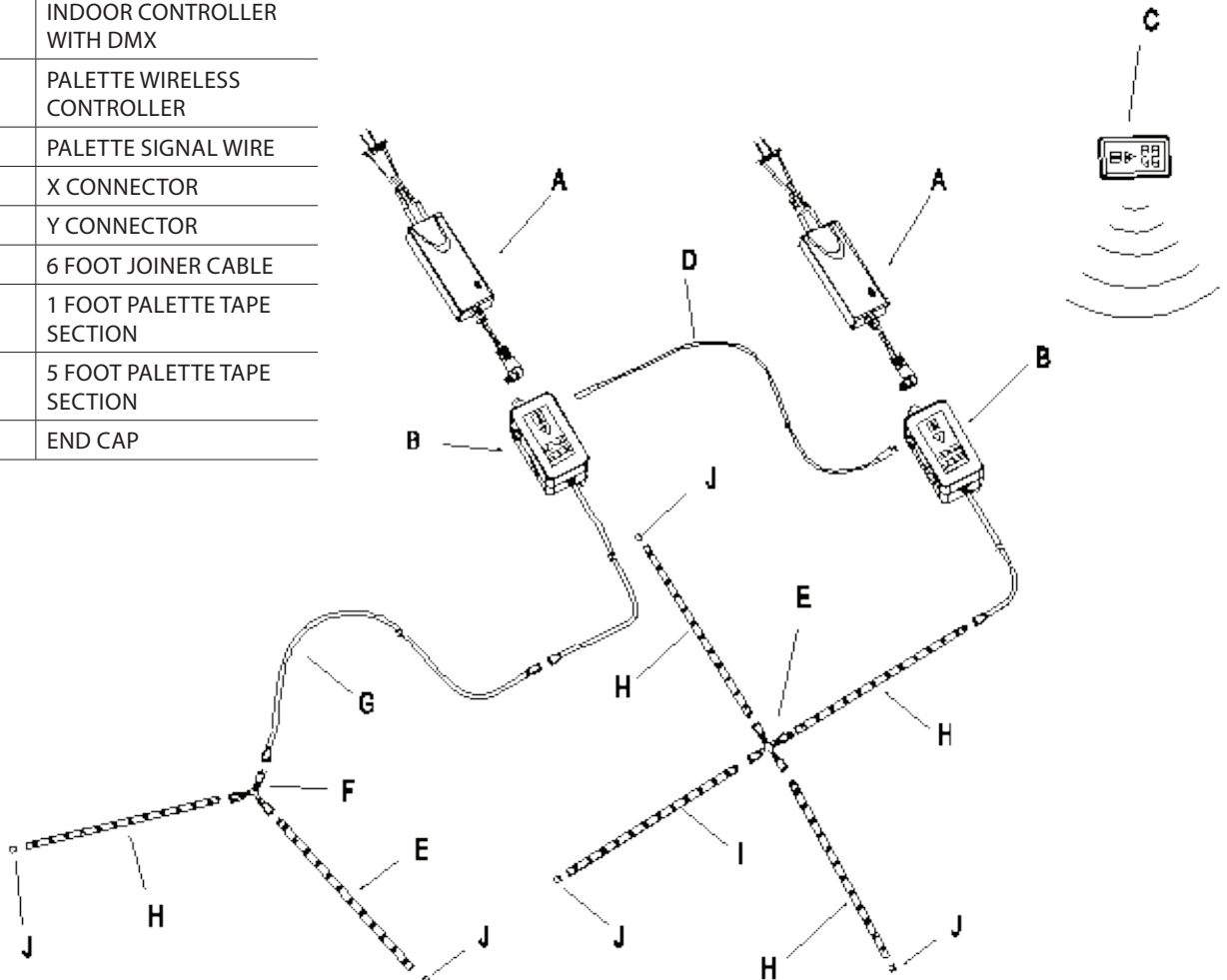
FUNCTION OF BUTTONS:

1. **Brightness Adjustment Button:** Push the ▲(up) and ▼(down) buttons on the **-----** column to adjust the total brightness of the INVISILED® tape light. There are 10 steps for the brightness level; the dimming range is from 100% to 0. Dim to 0 to turn power off.
2. **Color Changing Speed Button:** Push the ▲(faster) and ▼(slower) buttons on the * column to adjust the color transition speed of the INVISILED® tape light. There are 10 steps for the color transition. When the speed reaches its maximum or minimum level, these buttons are invalid.
3. **Blue Indicator light:** indicates button is functioning when pushed.
4. **Pause and Play Button:** Pushing the **⏸** button fixes the color of the INVISILED® tape light at any point during the color transition.
5. **Color Button:** Push the "COLOR" button to switch between RGB light and white light.
6. **Red Indicator light:** When lit, the 24V DC power supply is plugged in.

CONTROLLER PUSH BUTTONS:

SAMPLE LAYOUT

A EN-2460D-C-P	PLUG IN POWER SUPPLY
B LED-TC-CTR-MSD	INDOOR CONTROLLER WITH DMX
C LED-TO24-WS	PALETTE WIRELESS CONTROLLER
D LED-TC24-SW60	PALETTE SIGNAL WIRE
E LED-TC-X	X CONNECTOR
F LED-TC-Y	Y CONNECTOR
G LED-TC-IC72	6 FOOT JOINER CABLE
H LED-TC-1-RGB	1 FOOT PALETTE TAPE SECTION
I LED-TC-5-RGB	5 FOOT PALETTE TAPE SECTION
J LED-TC-EC	END CAP



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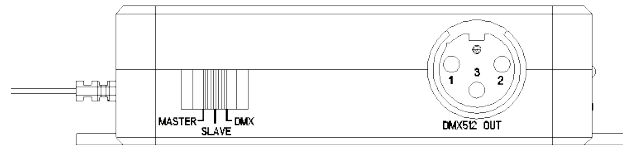
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MASTER CONTROLLER

Set switch on the controller to the Master location for the controller to be used as the Master Controller. The buttons will function to adjust the tape light. To operate under remote control, please refer to the remote control instruction sheet.

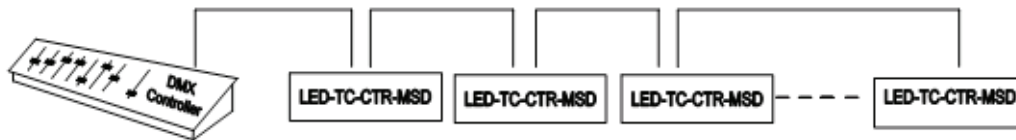
Slave Controller

Set the switch to the Slave position for the controller to have slave function only; following the Master Controller. The buttons on the box will have no function.



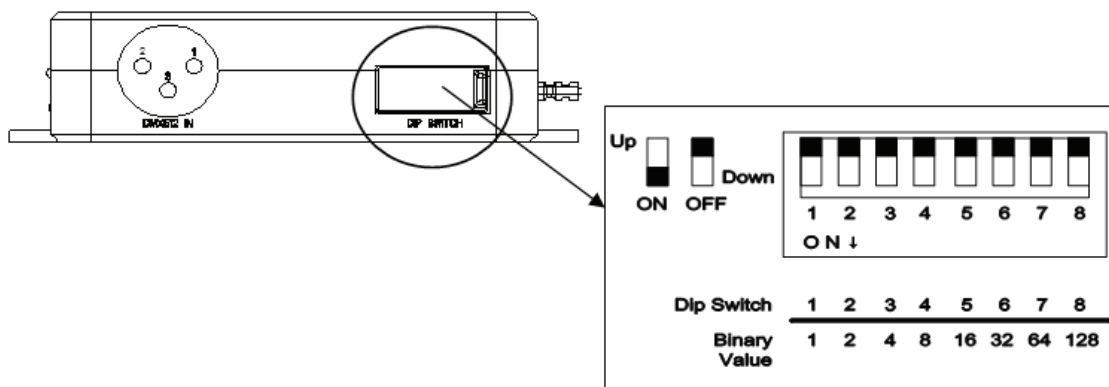
DMX CONTROLLER

Set the switch to DMX to run the controller under DMX control. Each controller box needs to be set to DMX. The buttons on the box will have no function after connecting with DMX. The DMX system will start to work.



DMX ADDRESSING

When using a DMX controller, each box needs a DMX starting address in order to respond to the correct control signal coming from the DMX controller. To allocate a DMX starting address, combine various dip switches that represent binary values. Find the shortest path to the DMX value for correct address assignment.



Example:

- DMX Address 001 = Dip Switch 1 "ON" = Binary value 1
- DMX Address 009 = Dip Switches 1 and 4 "ON" = Binary value 9
- DMX Address 087 = Dip Switches 1, 2, 3, 5, 7 "ON" = Binary value 87
- Math 1+2+4+16+64=87

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