# THE BUTTON
## User Manual

# THE BUTTON INTRO

Congratulations on your purchase of The Button Special Effects Controller. This manual will provide an overview of The Button functions, capabilities, and instructions for proper operation. If you have questions outside the scope of this manual, feel free to contact us directly.

## OVERVIEW

Built specifically for FX operators, the button will provide precise control of Special Effects Equipment of all kinds. CO2 Jets, Confetti Blowers, Streamers, Fog, Haze & more.

The built in timer allow you to track CO2 usage, taking the guess work out of tank changeovers. The timers can also be utilized for other FX products that rely on consumables, or a reference for cues calling for a specified duration.

The Button introduces new capabilities in a compact & simple form factor. Designed from the ground up to provide an intuitive, capable dmx control solution for special effects equipment of all kinds.

## FEATURES

| | | | |
|---|---|---|---|
| • RGB LEDS | • DMX Range | • Display Options | • Button Animations |
| • Color Presets | • CO2 Timer | • Cut Mode | • Link Mode |
| | • LED Ring | • LED Mode | |

## WARNING

The Button is designed to be a simple, intuitive control solution for Special Effects Equipment. Necessary precautions should be taken when using FX products to ensure the safety of the operator, crew, and audience.

Do not operate this product, or any special effects product without proper knowledge and training. Never operate Special Effects Equipment under the influence of drugs or alcohol.

# INCLUDED ITEMS

The following items are included with the purchase of The Button. If you need replacement items, contact Club Cannon, 888-804-8175 / info@clubcannon.com.

### THE BUTTON
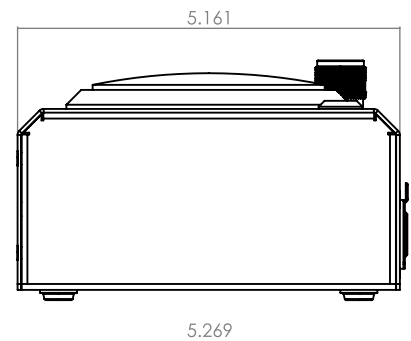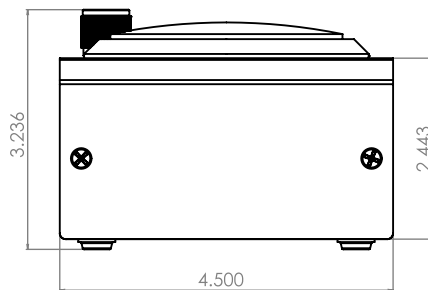Special effects controller
with 3 & 5 pin DMX output.

### TRUE1 CABLE
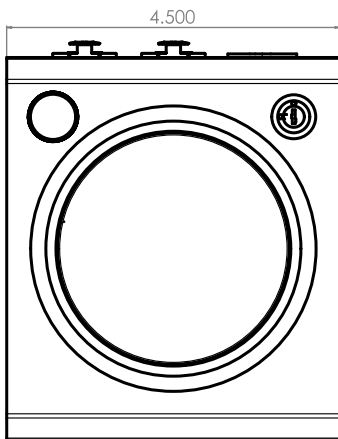Nema 5-15 to True1
16/3 AWG

### SAFETY KEYS
Used to arm / disarm
The Button

# CONTROLLER SPECIFICATIONS

| WEIGHT: | 1.75LB 0.8KG | VOLTAGE: | 110-240v AC 50-60hz |
|---|---|---|---|
| DIMENSIONS: | 4.5" W x 5.25" L x 3.25" H | CONSUMPTION: | 5W |

# MENU OVERVIEW

## CO$_2$ TIMER — F ILL

Utilize the integrated timer when triggering products that rely on consumables. The timer feature can also be useful when cues call for a specific duration.

On average, CO2 Jets consume 0.75 - 1LB of CO2 per second of output. The values below can be used as a comfortable estimate of runtime before the tank is depleted of liquid CO2:

**20LB** TANK - 24 SECONDS          **50LB** TANK - 60 SECONDS

**35LB** TANK - 42 SECONDS          **75LB** TANK - 90 SECONDS

These values represent estimated runtime for 1 tank to 1 Jet. When using multiple tanks / jets, use this equation:

**TOTAL TANK TIME ÷ NUMBER OF PRODUCTS = RUNTIME**

for example, if you have 6 x 50LB tanks, and 4 jets pulling from that tank pod;

**6 × 60 ÷ 4 = 90**

## SCREEN OPTION — Scrn

When a timer is not required, user can elect to display a preset word, or disable the screen entirely by selecting "_ _ _ _". Available preset words are: GO, CrYO, F irE, Shot, or blank.

## DMX RANGE — Addr

Default DMX output is CH1 @ 255. User can adjust the starting & ending DMX address. Any range from 001-512 is acceptable. Channels in range are triggered @ 255 by default. The DMX range's output value can be modifiied via vAL.

## CUT MODE — Cut

While Cut Mode is enabled, the button will function as usual until the timer reaches 0. At that point, DMX output will be deactivated until the timer is reset or Cut Mode is disabled. This allows you to control usage as needed.

## LINK MODE — PA ir

When activated The Button can be configured and controlled by a SHO controller. SHO contoller detection happens when The Button is powered on.

# MENU OVERVIEW

## SAFETY CHANNEL                                        SAFE

Some effect units may require a secondary DMX channel that is set to a specific value in order to activate output. This channel is often referred to as a safety channel, and is separate from the trigger channel. Utilizing this feature will allow the user to set a DMX channel to a desired value. This channel will activate & output DMX when the key is in the "ON" position.

## LED MODE                                          Addr > LEd

Designed to work with Club Cannon LED Attachments, but may work with other fixtures. When active, the 3 channels following your start address will be adjustable via rotary encoder, allowing operator to set LED colors on the fly. The Button's colors will correspond to the output color.

## LED SETTINGS                                              LEd

### LED SETTINGS                                     LEd > COLr

The Button has 30+ preset looks to choose from. There is also 1 custom color that can be set via RGB settings. (LEd > CoLr > CuSt)

### ADJUSTIBLE ANIMATIONS                            LEd > FAdE

User can adjust the pulse speed when armed, as well as the active output animation speed. LEd > FAdE > P = Pulse, A = Animation.

### LED RING                                         LEd > rING

The LEDs can act as a gauge if desired. The LEDs work in conjunction with the timer to act as a fill meter. By default, the LED ring is disabled.

### BUTTON BRIGHTNESS                                LEd >  GLO

Adjustable brightness setting, 0-100%. When armed, LEDs will default to 100% brightness and fade in & out, indicating it's armed state.
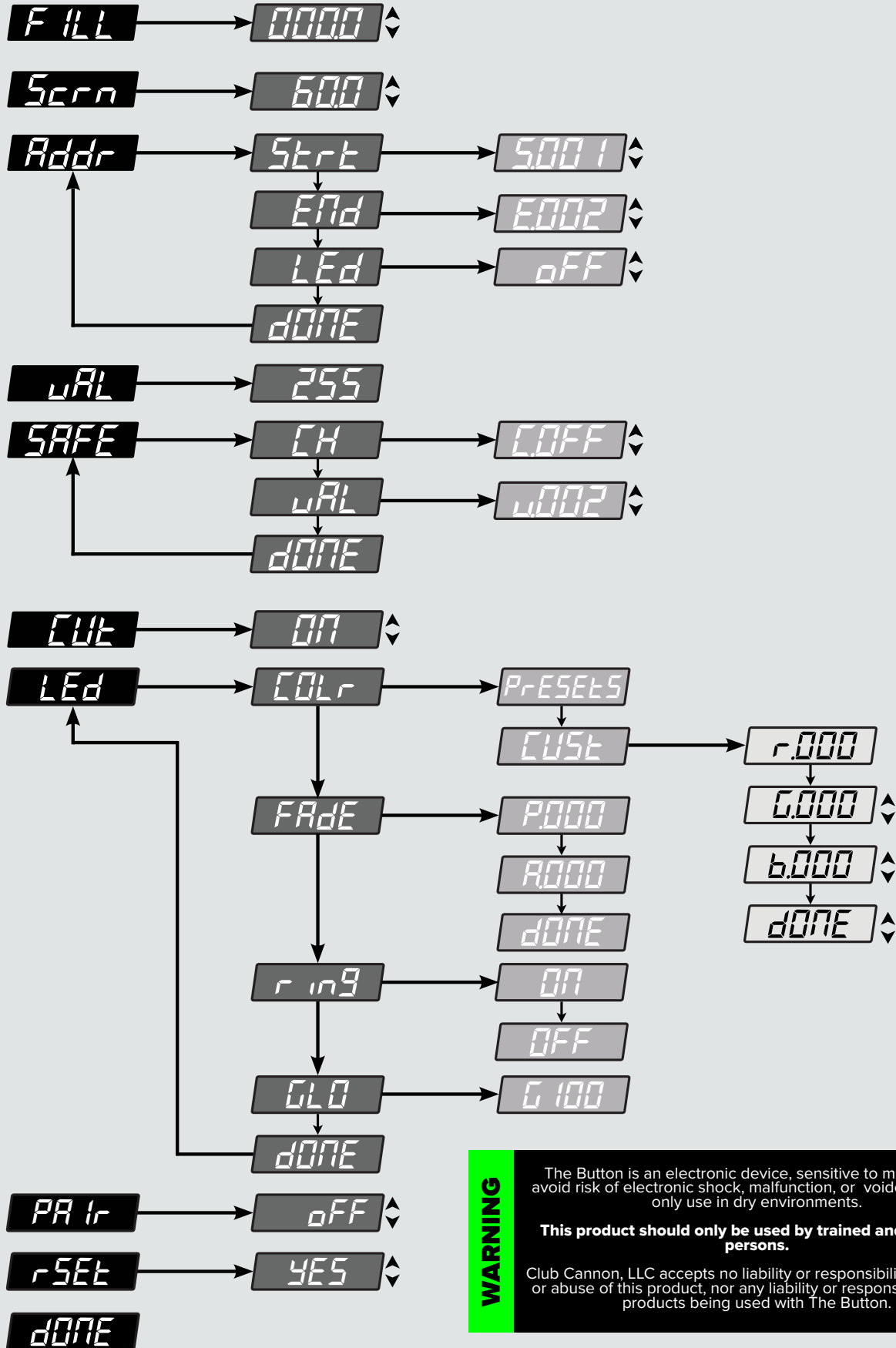
## RESET SETTINGS                                            LEd

The reset function will clear all settings & restore to factory defaults.

```
FILL ─────► 0000

Scrn ─────► 60.0

Addr ─────► Strt ─────► 5.001
      ▲     End  ─────► E.002
      │     LEd  ─────► oFF
      │     dOnE
      │
 uAL ─────► 255

SAFE ─────► CH   ─────► C.OFF
      ▲     uAL  ─────► u.002
      │     dOnE
      │

 Cut ─────► On

 LEd ─────► COLr ─────► PrESEtS
      ▲                  CUSt ─────► r.000
      │                              G.000
      │     FAdE ─────► P.000        b.000
      │                  A.000        dOnE
      │                  dOnE
      │     ring ─────► On
      │                  OFF
      │     GLO  ─────► G.100
      │     dOnE

PAir ─────► oFF

rSEt ─────► YES

dOnE
```

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# HARDWARE OVERVIEW

## CONTROLLER TOP

SEGMENTED RGB
LED BUTTON

MENU
ENCODER

SAFETY
KEY LOCK



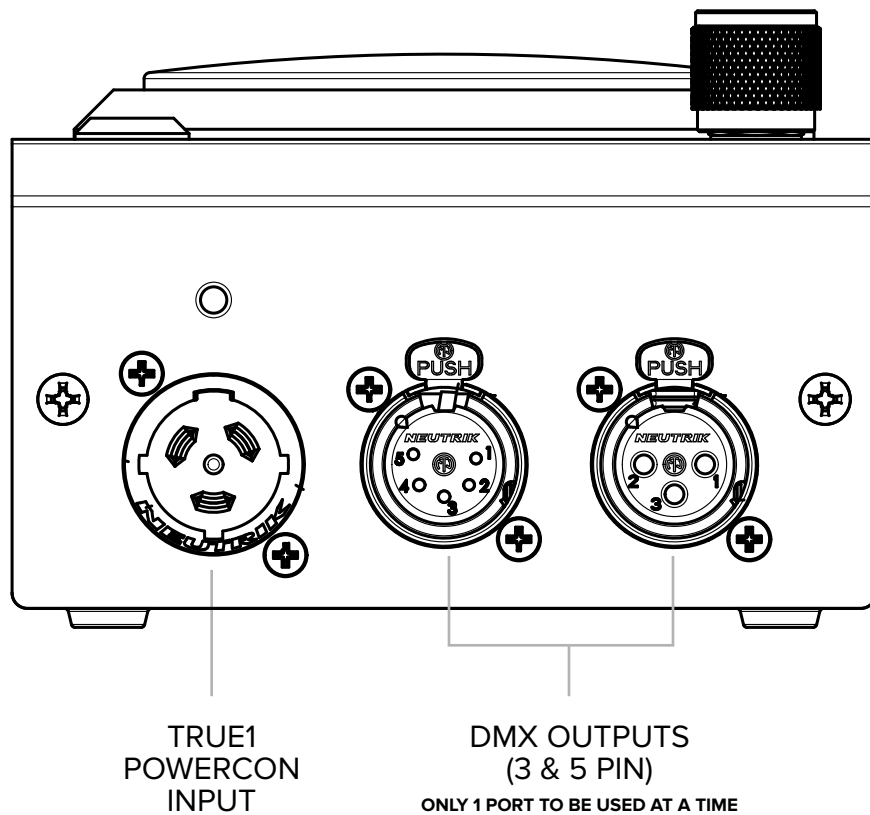| | |
|---|---|
| **MENU ENCODER** | Used for navigation on The Button's menu. |
| **RGB LED BUTTON** | The Button features a segmented RGB LED backlit button that can be customized to suit the operators needs. |
| **SAFETY KEY LOCK** | Key lock enables & disables DMX output |

## CONTROLLER REAR



TRUE1
POWERCON
INPUT

DMX OUTPUTS
(3 & 5 PIN)
**ONLY 1 PORT TO BE USED AT A TIME**

**POWER**

Controller supports voltage from 110v-240v via True1 PowerCON Input.

**DMX**

One full universe of optically isolated DMX output. Output is isolated from controller, ports are not isolatted from each other. **Avoid using both ports at the same time.**

# DEVICE TROUBLESHOOTING

## PLEASE NOTE

While The Button is designed to be an easy-to-use solution for DMX control of SFX products, it is recommended to have a basic understanding of how DMX works in order to fully utilize its capabilities.

| ISSUE | SOLUTION |
|---|---|
| **Plugged in devices not responding** | • Ensure that the start address of the DMX device is set to the correct DMX address.<br>• Ensure the key is in the on position with the LEDs on the button pulsing. |
| **Key Switch not enabling output** | • Ensure key is in the armed position (facing 12 o'clock)<br>• Inspect for damage to key switch<br>• Reset controller via encoder - rE5t<br>• If issue persists, contact Club Cannon. |
| **DMX no longer controlling device** | • Ensure "CUT MODE" is not enabled<br>• Ensure key is in the "ARMED" position (facing 12 o'clock)<br>• Reset controller via encoder - rE5t<br>• If issue persists, contact Club Cannon. |
| **LEDs are dim** | • Ensure brigtness is set to desired level (0-100%)<br>• Ensure "RING" mode is not enabled.<br>• Reset controller via encoder - rE5t<br>• If issue persists, contact Club Cannon. |
| **LED Mode isn't lighting up my fixture.** | • LED mode requires the DMX LED device to have an order of:<br>    JET @ Start Address<br>    LED @ Start Address + 1<br>• The LED fixture channel order needs to be as follows:<br>    CH 1 : Dimmer/Intensity<br>    CH 2: Red<br>    CH 3: Green<br>    CH 4: Blue |

**No user serviceable parts inside.**

If your issue is not listed or the suggested solution did not solve the issue, contact Club Cannon.

# SAFETY WARNING

To ensure safe operation, user should follow instructions closely. Necessary protocols should be followed when handling and operating Special Effects Equipment and their consumables.

**Preventing Serious Injury or Death**

$CO_2$ Special Effects are to only to be used in well ventilated areas. Failure to do so may result in oxygen displacement.

Fog machines may set off fire alarm systems. Only use in properly ventilated spaces.

Maintain a safe distance between Special Effects Products and audience, crew & event staff. Generally no less than 15FT.

Never aim projectile Effects directly at any person or living thing.

Always fasten tanks to avoid tipping, rocking, or being tampered with. When feasible, keep tanks out of direct sunlight.

In an emergency situation, utilize the SHOSTARTER's integrated E-STOP. This will set all DMX channels to 0.

Check with officials in local jurisdiction for any permit requirements before operating Special Effects.

**WARRANTY**

The SHOSTARTER includes a 1 year parts & labor warranty against manufacturer defects. Warranty does not cover damage caused by accident, misuse, abuse, alteration, or unauthorized repair. To make a warranty claim, contact Club Cannon directly.

## WARNING

The Button is an electronic device, sensitive to moisture. To avoid risk of electronic shock, malfunction, or voided warranty, only use in dry environments. Do not operate in harsh weather conditions. Do not set beverages of any kind on or around The Button.

This product should only be used by trained and qualified persons.

Club Cannon, LLC accepts no liability or responsibility for misuse or abuse of this product, nor any liability or responsibility of the products being used with the The Button.

# CONTACT US



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