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| Date: | |
| Type: | |
| Firm Name: | |
| Project: | |

# C-DMX-TPC DMX Controller

**Everylite Datasheet Ver 2.2**
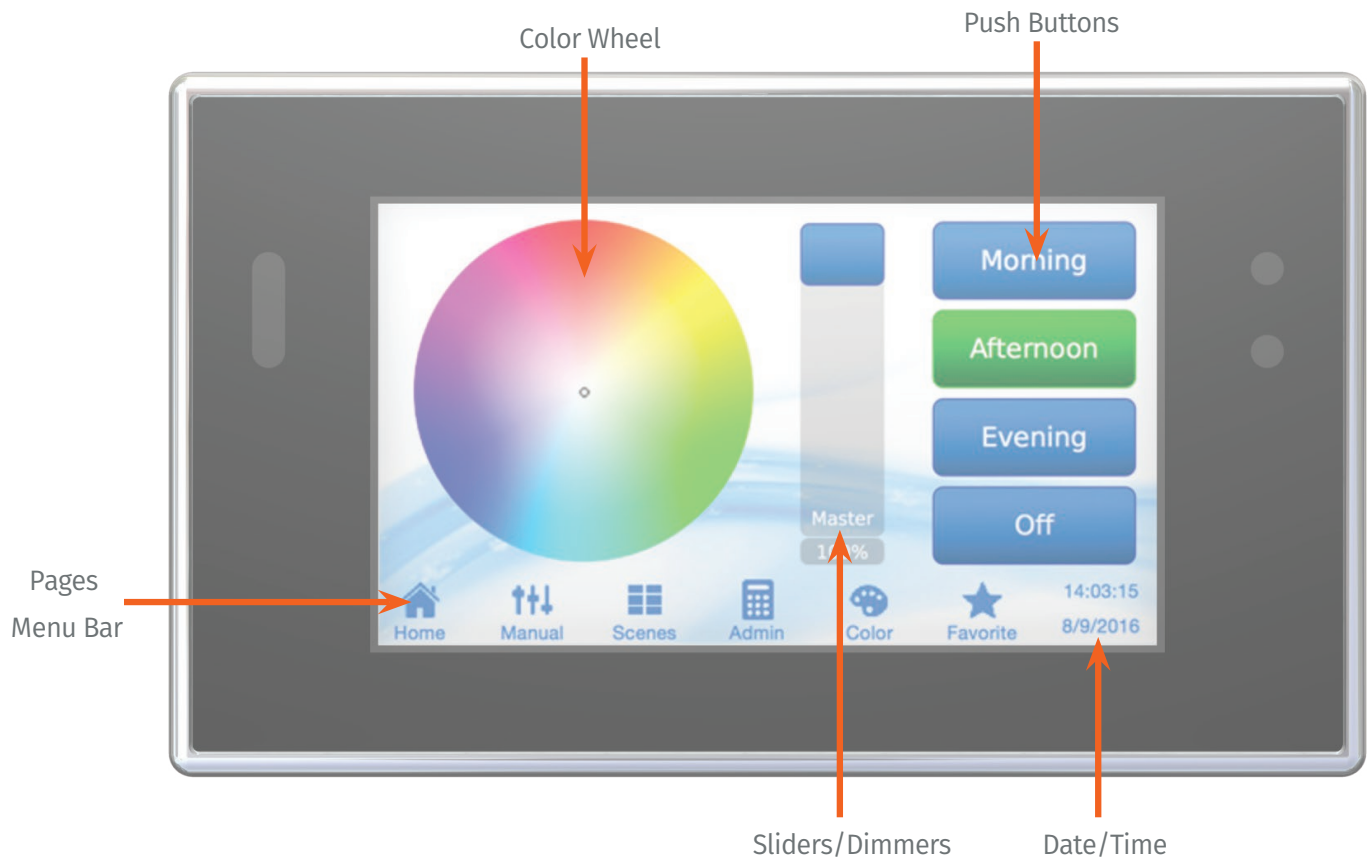**Revision Date 04/2020**



## Features

- 1 eDMX universe
- Multi-Protocol Support ArtNet/sACN/ESP
- Ethernet connectivity for programming/control/supervision
- Network communication. Control lighting remotely: check the Controller's status, inputs and outputs, trigger timelines, view a full history log and much more.
- Windows/Mac software to set dynamic colors/effects
- Multiple triggering options
- Customizable interface
- Passcode option available

## Technical Parameters

| Input Power | Output Protocol | Programmability | Connections |
|---|---|---|---|
| PoE | eDMX (sACN, Art-Net, KiNet, Pathport, DMX512 (Adding EXT) | PC, Mac | RJ-45 connector for a 10Base-T Ethernet Connection |

| Interfaces | Working Temperature | Waterproof | Standards | Dimensions (L x W x H) |
|---|---|---|---|---|
| Touch Screen, Ethernet, IR Sensor, Temperature Sensor | ( 32 ~122 ) °F | IP40 | EC, ETL/cETL | (8 x 6 x 5) in |

## Touch Screen

Color Wheel

Push Buttons

Pages

Menu Bar

Sliders/Dimmers

Date/Time

## Capabilities

### Touch Interface

Touch screen user interface is fully customisable using the Designer software. Create multiple pages of controls including buttons, sliders, keypads and colour pickers, and configure their appearance and visual feedback. Make it eye-catching by importing your own graphics or picking from one of our attractive themes.

### Engine

The intelligent Engine gives you complete control of your installation. Based on individually controllable and independently running timelines and scenes, it lets you build dynamic, precise, fully customisable pre-programmed lighting displays, all while giving you the freedom of real-time manual overrides, flexible multi-zone control, prioritisation and more.

### Triggers

Control your lighting with responsive, reactive programming. Trigger is a rules engine that uses conditional logic and a broad range of interfaces and protocols. Send and receive any command, to and from any system. Conditional logic is supported, along with a powerful built-in scripting language for unlimited flexibility.

### Mapping

Design the big picture; control every pixel. Create a 2D map of your fixtures within the Designer software, then use Mapping to create visually striking effects or play video across the entire array. Powerful controls allow you to build maps fast with pixel precise adjustment.

**Capabilities**

### Scalable

The right fit for every installation. Multiple
Controllers can be seamlessly linked
together to work as one via a standard Ethernet
network giving impressive scalability. For
additional integration options simply add
Remote Devices to further extend the network.
Whether one Controller or many, it's all easily
programmed using our Designer software.

### Remote Management

The control you need in your browser – from
anywhere. These controllers can be
connected to a network, making it possible for
you to remotely manage your installation.
The built-in web server lets you check the
Controller's status, inputs and outputs, trigger
timelines, view a full history log and much more.

### Flexible

Be limited by your design brief, not your control
system. The controller support sa vast range
of different fixture types and can output multiple
DMX-over-Ethernet (eDMX) lighting
protocols at the same time. No other system
gives you this level of flexibility and control
over your project.

### Designer

Programmed and configured using the  Designer
software – available for Windows or Mac OS X –
with upload over Ethernet.

## Capabilities

### Reliable

Hardware and firmware are self-sufficient, so no PC needs to be left on site. Rugged, compact unit designed for 24/7 operation and reliability.

## Triggering and Integration

- *Startup*: Commences playback automatically on receiving power
- *Touchscreen:* Buttons, sliders, colour picker, etc
- *Clock:* Battery-backed real-time clock for calendar and time-based triggers
- *Astronomical:* Sunrise/Sunset/Twilight and Lunar phases
- *Temperature:* Trigger on changes or entering a range
- *Ethernet:* UDP, TCP, Multicast; send/receive any Ethernet message
- *eDMX:* sACN or Art-Net
- *DALI:* Trigger on any message, via EXT or RIO D
- *Serial Data:* RS232 via EXT; RS232 or RS485 via RIO; send/receive free syntax in ASCII, HEX or decimal
- *MIDI:* MIDI Notes, SysEx or Timecode Timecode Linear Timecode via RIO A (SMPTE, Film, EBU, NTSC)
- *Audio Level:* Stereo 30-band spectrum analysis via RIO A
- *Inputs:* Contact closure, active low, active high or 0-24V analog level via EXT or RIOs
- *Outputs:* Isolated relay outputs (48V 250mA) via RIOs
- *Web Interface:* Built-in or custom designed
- *Wall Stations:* Integrate with BPS or TPC
- *Conditions:* Full conditional logic support
- *Scripting:* Lua scripting for total flexibility
- *Scalable:* Supports Pharos Remote Devices

## Interfaces

- **Ethernet:** RJ45 socket for 10/100Base-TX
Ethernet with Link/Data LEDs; Static IP or DHCP;
Dual IP address for eDMX
- **Touchscreen:** 4.3" capacitive touch; 480×272
24bpp; 340 cd/m2; magnetic overlay
- **IR Sensor:** Learning IR sensor for remote
control
- **Temperature:** Built-in ambient temperature
sensor

## Safety Information

1. The product shall be installed and serviced by a qualified person.

2. This product is a non-waterproof, indoor rated device. Please avoid the sun and rain.

3. Good heat dissipation will prolong the working life of the controller, please ensure good ventilation.

4. Please check if the output voltage of any power supplies used comply with the working voltage of the products.

5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.

6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

## Dimentions