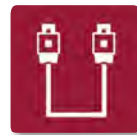
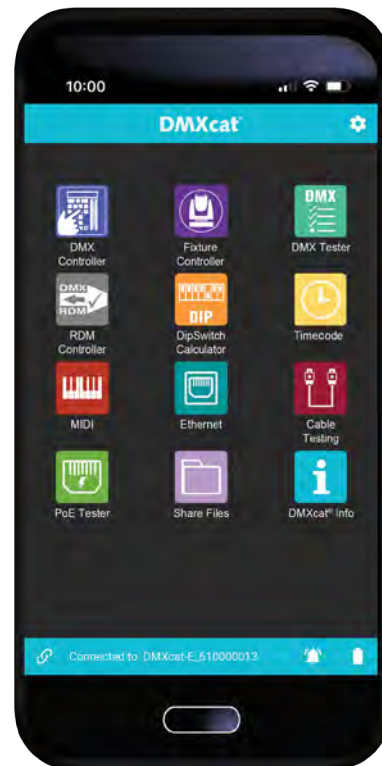


Control | Analyze | Test | Ethernet

# DMXcat-E<sup>TM</sup>

CONTROL ANALYZE TEST



**CITY  
THEATRICAL**  
NEW YORK • LONDON  
An Environmental Lights Company

Made in USA



# Overview



As the modern lighting industry evolves, there is an increasing need for test tools that include not only DMX and RDM capabilities, but also various ethernet protocols. As lighting manufacturers implement RDM Net, sACN, Art-Net, and other ethernet protocols, the **DMXcat-E™** is an essential tool for the future of lighting.

The DMXcat-E makes it easy for anyone to control, analyze, or test any DMX or ethernet lighting fixture, whether it's a simple LED PAR or a complex moving light. Like our original DMXcat, the DMXcat-E system is comprised of a hardware device and a suite of free mobile apps which are installed on a user's smart phone.

The DMXcat-E device and the DMXcat® app on the user's smartphone communicate wirelessly using Bluetooth 4.0 technology. With a working range of 100 feet or more, and without being physically connected, users can move about the workspace and use various apps while still using the phone for on-the-job communication.

## DMX or Ethernet

Easily carried in a pocket, worn on a belt, or in the pouch, the compact and lightweight device is connected to any point in a DMX chain using its five pin XLR female connector or an ethernet network using the EtherCon port.

## Battery

The charge on the DMXcat-E's battery will last over 12 hours and is recharged using a standard USB to USB-C cable and charger.

## Suite of Apps, Loved and New

The suite of apps includes those apps also found when using the DMXcat, including: DMX Controller, Fixture Controller, DMX Tester, RDM Controller, and Dip Switch Calculator, as well as five new apps, which include: Timecode, MIDI, Ethernet, Cable Testing, and PoE Testing.



## Timecode and MIDI Apps

The Timecode app allows users to view both SMPTE/LTC as well as MIDI timecode. This is especially helpful for audio and video timings. When using the MIDI add, the user will be able to view MIDI timecode in real time.

In addition, users can bookmark "cues" to save and view them later. Upon clicking "Bookmark", the time and cue number appear. Users can also rename cues as you bookmark them. Once you bookmark all your cues, you can save them. They can then be uploaded as a saved file.

Users are also able to view the live timecode in SMTE/LTC. You can bookmark, rename, and save cues to look back at later.

We can also view MIDI data coming in through your network on the MIDI app. As soon as you select "Start", you can see MIDI messages in real time.

## Other Features

The DMXcat-E unit ships with a charging cable, pouch, and a belt clip with a safety point. The DMXcat-E device includes a built-in flashlight, and an audible device finder for locating a misplaced unit.

The DMXcat-E allows anyone with a smart phone to be able to turn on any DMX lighting fixture, as well as perform a wide range of tests and DMX analysis.

## Getting Started

To begin using the DMXcat-E, you will need to pair your phone with the DMXcat-E device. Note that your serial number is on the back of your DMXcat-E. Turn on your app, then turn on your device. Go to Settings, and Device list. Your DMXcat-E device will be shown. Choose it, and you are linked. Your phone and DMXcat-E will link automatically after this.

## Available to Download Free

DMXcat-E works with both Android and iPhone. The DMXcat app can be downloaded for free from the Google Play Store and Apple App Store, and adds DMXcat-E apps when connected to a DMXcat-E device.

# Applications

## DMX Controller

The DMX Controller app is a flexible and feature rich means for controlling 512 channels of DMX data. Two different user interfaces are included. The first emulates a conventional slider control arrangement such as is found on many simple manual lighting controllers. Touch and swipe gestures control the various level adjustments. Users can work with and easily switch between screens displaying 8, 64, or 512 (Live View) channels of information. For those who prefer a numeric based interface similar to what is found on a full sized lighting console, command line instructions can be input using familiar keypad and thumbwheel controls. An active 16 channel display provides current channel status. With either interface, users can adjust/work with individual or ranges of channels, record and play presets, customize names, and display levels as %, decimal, or hex values.

## Fixture Controller

The Fixture Controller app has been designed to serve as a setup and test tool for the vast selection of lighting fixtures in use today. Many of today's moving light fixtures use over 40 channels of DMX control data, and can be configured to operate in a dozen or more modes (profiles). This can make it difficult to identify a particular channel's function when setting up or testing a fixture with a small DMX controller. Using an extensive built in database of manufacturers, fixtures, and operational profiles, users can easily select and assign the fixture's attributes and starting address, and a control interface specific to the fixture is displayed for testing its features. The various fixtures/personalities may be saved as "favorites" for future reference.

This app also offers a Multi Fixture feature, with which users can group and control multiple lighting fixtures at once to save time and improve workflows.

## DMX Tester

Connect the DMXcat to a point in a DMX data chain and view DMX information and levels. Parameters of the controller's transmitted DMX signals may be adjusted. The View Level function shows real time DMX levels sent from a console.

## Timecode

NEW

Timecode is an application designed to verify the Timecode signal coming from a Timecode Generator, or from MIDI or SMPTE. This app allows users to make a click track that can be uploaded to the lighting console.

## Ethernet

NEW

The Ethernet app allows users to view the sources on the lighting network, such as consoles and button stations. It allows users to ping devices on the network, or make a list of IP address and ping them all at once. The Ethernet app is also where users can change IP settings.

## Cable Testing

NEW

The Cable Testing app works in two ways:

- For 5-pin DMX, users can use the two DMX connectors on the device to test DMX cable.
- For Ethernet, users just plug in one end and it will verify the cable is wired correctly, as well as tell you the cable length.

## PoE Tester

NEW

The PoE Tester app allows users to see the voltage(s) on the RJ45 cable.

The PoE Tester also specifies the classification of the attached network switch.

## RDM Controller

The RDM Controller is an application designed to control RDM enabled fixtures. Features include:

- Control & monitoring of RDM devices
- Full discovery- detects and generates a list of all RDM devices.
- Detects all sub devices for a selected device
- Shows all supported parameters
- Shows descriptions for all PIDs
- GET and SET for all PIDs (even user defined)
- Monitors fixtures for any sensors with easy to view info.
- When connected to an RDM enabled fixture, DMXcat identifies the fixture's address and attributes and loads its control interface automatically.

## MIDI

NEW

If you're using Timecode, you can see the time that's on the wire on your screen. The MIDI app provides users with a "sanity check" to make sure you're seeing what you're supposed to see on the wire. The MIDI app also shows you what time it came in as well. For instance, if you play a note on a keyboard, you can see it in the MIDI app. If you leave it plugged in, it'll tell you the last time it saw MIDI.



## System Requirements

- Bluetooth 4.0 or greater
- Android 6.0 or greater (64-bit only)
- iOS 11 or greater (iPhone 6S and newer)

# Specifications

Product Name	DMXcat-E (New!) 	DMXcat 
Part Number	6100	6000
Wireless Communication	Bluetooth LE	Bluetooth LE
Range	100' (30m)	50' (15m)
LED Indicator	Two multicolor LED indicators (Ethernet Link and Status)	Multicolor status LED
Flashlight	White LED	White LED
Charging Port	USB-C	Micro USB
DMX Connection	XLR-5M, XLR-5F, DIN-5 (MIDI), XLR-3F (SMPTE), & EtherCon	XLR5F
Battery Run Time	12 hours	50 hours
Charge Time	3 hours	8 hours
Apps	All DMXcat apps, as well as: Timecode MIDI Ethernet Cable Testing PoE Testing	DMX Controller, Fixture Controller, DIP Switch Calculator, DMX Tester, RDM Controller, Light Meter (Android only), RF Spectrum Analyzer (Android only). Multiverse Transmitter app shows if connected to a Multiverse Transmitter P/N 5910 or 5912.
Construction	NEMA 1 ABS enclosure	NEMA 1 ABS enclosure
Compliance	CE, RoHS, FCC	CE, RoHS, FCC
Weight	0.55 lbs (0.25 kg)	0.3 lbs (0.14 kg)
Dimensions (L x W x H)	125.38 mm (4.94 in) x 86.97 mm (3.42 in) x 45.57 mm (1.79 in)	95.3 mm (3.75 in) x 41.4 mm (1.63 in) x 23.9 mm (0.94in)
What's In The Box	 6100 DMXcat-E device 6109 DMXcat-E pouch, Belt Clip, and Screw USB-C to USB-A cable, 6"	 6000 DMXcat device with XLR5F Connector, Belt Clip, Screw, and Splint Ring DMXcat only accessories: -6007 XLR5M to XLR5M -6010 USB to Micro USB cable

Specifications subject to change

DMXcat-E Accessories:	
 6109	 6005
	 6006
	 6008
P/N	Description
6005	XLR5M to RJ45 Adapter
6006	XLR5M to XLR3F Adapter
6008	XLR5M to XLR3M Turnaround
6109	DMXcat-E Belt Pouch (included in box)



**CITY  
THEATRICAL**  
NEW YORK • LONDON  
An Environmental Lights Company

[citytheatrical.com/dmxcat-e](http://citytheatrical.com/dmxcat-e)

DMXcat-E and DMXcat products are covered by U.S. Patent # 10,129,964 and other U.S. and foreign patents pending.

**City Theatrical USA Office:**  
475 Barell Avenue, Carlstadt, New Jersey 07072 USA  
(800) 230-9497 | (201) 549-1160 | Fax: (201) 549-1161  
[sales@citytheatrical.com](mailto:sales@citytheatrical.com)

© 2025 City Theatrical, LLC. All Rights Reserved.