MULTI FUNCTION TEST TOOL

DMXcat™

CONTROL ANALYZE TEST

CITY THEATRICAL

NEW YORK • LONDON

OVERVIEW

City Theatrical's DMXcat™ system is designed for use by the lighting professional who is involved with the planning, installation, operation, or maintenance of theatrical and studio lighting equipment. The system consists of a small hardware interface device and a suite of mobile applications. Together, they combine to bring DMX/RDM control plus several other functionalities to the user's smartphone for use wherever and whenever they are needed. Developed with input from designers and technicians, the DMXcat will be an indispensible tool for lighting users. The DMXcat will operate with both Android and IPhones.

Hardware
The DMXcat's interface device is a compact battery powered unit which fits easily in a pocket or tool pouch or may be worn on a belt. It uses Bluetooth LE technology for communication with the smartphone/applications (up to 35' range). Without the limitations of being physically connected, the user can move about the workspace as needed with his/her smartphone and run the various apps while still using the phone for on-the-job communication. The device's 5 pin XLRF connector/cable asembly allows it to be connected to a point in a DMX data chain to allow testing and or control of the various DMX/RDM channel functions. It is charged using a standard USB to Micro-USB cable and charger.

Other features include a built-in LED flashlight, an audible alarm (for locating a misplaced unit), an LED Status indicator, and a removable belt clip.

Optional accessories include: XLR5M to RJ45 Adapter, XLR5M to XLR3F Adapter, XLR5M to XLR5M Turnaround, XLR5M to XLR3M Turnaround, Belt Pouch.

Software Applications
There are currently seven apps available or in development for use with the DMXcat system. Apps are available through Google Play (Android) or the Appstore (IPhone).

Apps Included with the Basic configuration include:
•DMX Controller
Is a single universe (512) DMX channel controller with two user interfaces.

•Fixture Controller
DMX test app for multi-attribute fixtures with built in database of lighting fixtures.

•RF Spectrum Analyzer
For surveying and visualizing Wi-Fi networks.

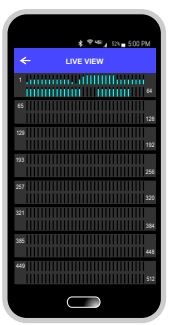
•DIP switch calculator
This app simplifies the configuring of DIP switches used for setting DMX addresses.

•Light Meter (Android only)
Useful for setting light levels for on-camera use.

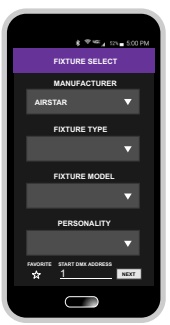
Apps which are optional:
•RDM Controller
App for bi-directional communication/control of RDM enabled devices.

•DMX Tester
Permits users to analyze and or adjust settings for transmitting or receiving DMX.

CONSOLE INTERFACE



LIVE VIEW SCREEN



FIXTURE SELECT

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 indivdual, groups, 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 complex 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 (personalities). This can make it difficult to identify a particular channel's function when setting up or testing a fixture. Using an extensive database of manufacturers, fixtures, and corresponding personalities, users can quickly identify, select, and assign the fixture profiles being used in order to isolate and test each function. Once the personality has been assigned, controls are displayed for testing all features like pan, tilt, zoom, focus, colors etc. The various fixtures/personalities may be saved as "favorites" for future reference.

DIP Switch Calculator

The DIP switch calculator app is an indispensable tool used in the conversion of numeric values to their binary equivalents. Used when configuring DIP switches for setting DMX channels and other fixture parameters, users simply enter a three digit numeric value and its corresponding DIP setting is displayed. Both the numbering order and reading direction can be reversed to match the switch orientation as needed.

DMX Tester *(optional)*

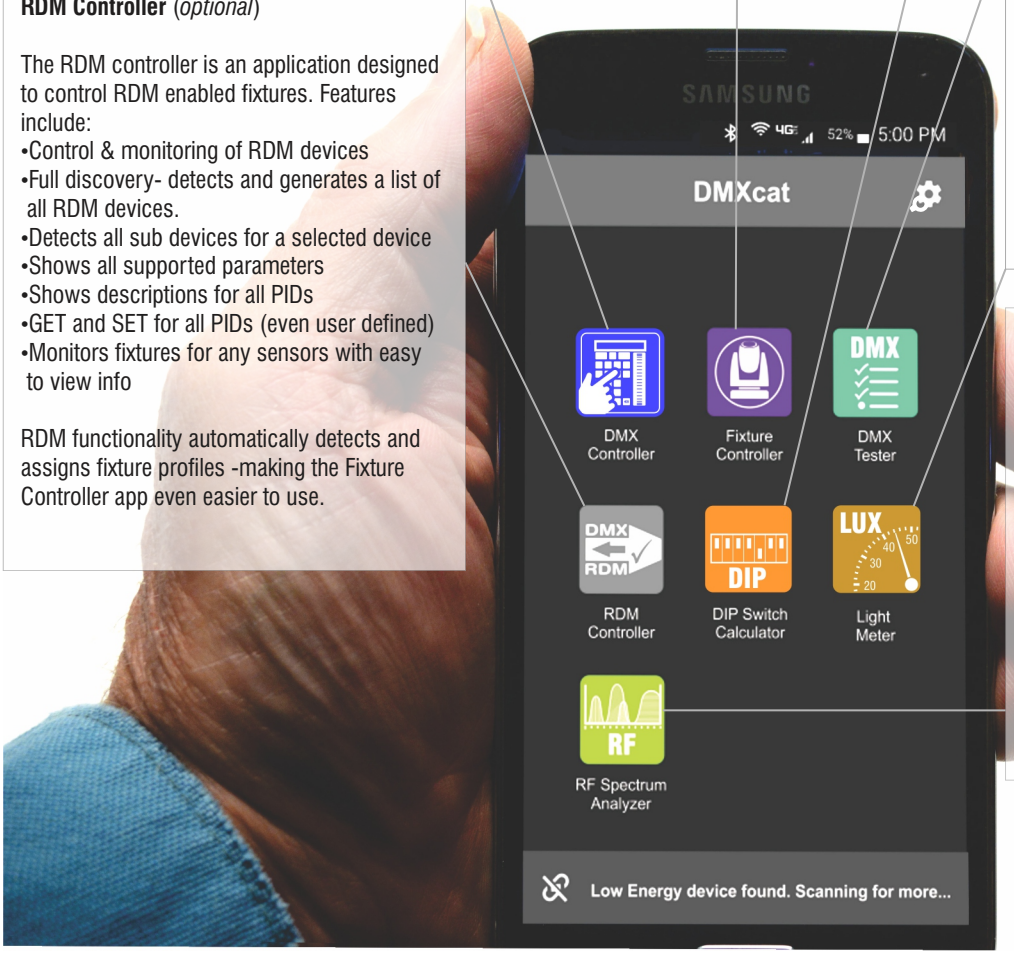
With this app, the user can adjust parameters of the controllers' transmitted DMX signals and view the parameters of received DMX signals including: Break Time, Mark After Break, Inter-slot, Mark Before Break, Number Of Slots, and Refresh Rates, as well as for setting Levels.

RDM Controller (*optional*)

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

RDM functionality automatically detects and assigns fixture profiles -making the Fixture Controller app even easier to use.



Light Meter *(Android only)*

Useful for studio work, this app offers basic reflected light measurements to help in light level adjustment for film and video production. Light levels are displayed in LUX.

RF Spectrum Analyzer

Identify potential communication problems before they happen. The RF Spectrum analyzer enables the user to visualize existing Wi-Fi networks operating within a venue. Each wireless network is labeled and shown graphically within an overall schematic representation of the 2.4GHz RF channel spectrum. Armed with this information, wireless DMX operation can be optimized by adjusting the type of transmission (hopping paterns) and or locating the control network in uncrowded or unused areas of the RF Spectrum.

SPECIFICATIONS

DMXcat™ SPECIFICATIONS:	
CTI Part No.	6000
Wireless communication:	Bluetooth LE
Range:	35' (10m)
Status LED indicator:	Yes, multicolor
Flashlight:	White LED
Charging port:	Micro USB
DMX connection:	5PXLRF
Apps:	7- Android and 6- iOS
Included:	DMX Controller, Fixture Controller, RF Spectrum Analyzer,
	DIP Switch Calculator, Light Meter (Android only)
Optional:	RDM Controller, DMX Tester
Construction:	NEMA 1 ABS enclosure
Compliance:	CE, RoHS, FCC
Physical:	
Weight	.3 lbs (.14 kg)
Dimensions	1.63"(41.4mm) W x 3.75" (95.3mm) L x .94"(23.9mm) H

WHATS IN THE BOX

USB TO MICRO USB CABLE *DMXcat™ UNIT WITH XLR5F CONNECTOR*

ACCESSORIES	Part No.
XLR5M to RJ45 Adapter	6005
XLR5M to XLR3F Adapter	6006
XLR5M to XLR5M Turnaround	6007
XLR5M to XLR3M Turnaround	6008
DMXcat™ Belt Pouch	6009
USB to Micro USB cable, 6"	6010

Specifications subject to change

CITY THEATRICAL
NEW YORK • LONDON
475 BARELL AVENUE, CARLSTADT, NJ 07072
800.230.9497 201.549.1160 201.549.1161 FAX

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WWW.CITYTHEATRICAL.COM