

XCT-2: Xicato Configuration Tool



About Xicato

Xicato designs and delivers one of the broadest portfolio spot and linear light sources and electronics that enable architects, designers and building managers to create beautiful, smart spaces in which people love to live and work. With thousands of installations around the globe, Xicato continues to be a leading supplier of high-quality lighting solutions. Xicato is defining the future of intelligent light sources by integrating electronics, software and connectivity. Xicato's headquarters is based in Silicon Valley and the company has offices Worldwide.

For further information, visit www.xicato.com.

XCT-2 – XICATO CONFIGURATION TOOL

The Xicato XCT-2 Configuration Tool is a set of software tools that operate in conjunction with the XCT-2 hardware platform (XCT-2) to provide OEM manufacturers a method to update the settings, including programming output drive current of XID and XAD family products or flux of XIM family products.

The XCT-2 is designed to plug into the USB port of a PC or Mac and to be used in conjunction with the software programming tools used for XADs, XIDs and XIMs respectively. With the release of the Xicato Configuration Tool, lighting manufacturers can pre-configure the XIM in a variety of ways to digitally brand and label their products, customize lumen output to specific heatsinks or environmental conditions, and simplify product installation and provisioning, while potentially reducing their XIM product inventory.

HARDWARE

The XCT-2 consists of a dedicated USB connected interface controller that provides dedicated ports to connect to an XAD, XID or XIM.



Figure 1: XCT-2 hardware platform

The XCT-2 has four LED indicators that can be seen through the case. There is a red indicator that will illuminate when there is USB power present and there are three status indicators: an amber one to indicate that the device being configured is energized, a green one to indicate that programming was successful and a red one to indicate that the programming was unsuccessful.

SOFTWARE

Software consists of three separate application programs for XAD, XID and XIM that can be used to factory configure device settings for the target application. The primary purpose of the tool is to pre-set the output drive current for XAD and XID family devices and pre-set the flux for XIM family devices. These pre-set configuration values are stored in the target device and cannot be modified by users in the field through the device's control interface.

GENERAL SOFTWARE FEATURES

The general features supported by all of the software tools are the following. Notes that features marked with an * can only be modified with an XCT-2 or XCT-0101.

- Production mode that allows saved configuration files to be loaded into the tool
- Password protected Setup Mode that allows creation of configuration files that can be quickly loaded into the tool
- Ability to easily create/modify/save configuration files
- Part code validation when creating a configuration file
- Part code checking during programming to ensure the configuration file is correct for the target device
- Clear and immediate feedback on
 - Detection of the XCT-2 hardware being connected to the system
 - Success or failure on the programming of a target device
- Setting of maximum output current from 50% to 100% of the rated current (XAD and XID family devices)*
- Setting of maximum output flux from 50% to 100% of the rated output (XIM family devices)*
- For DALI (XIM and XAD) targets
 - Ability to load up to 16 bytes of OEM data
 - Ability to load an OEM GTIN value (6 bytes)
- For Bluetooth® (XIM and XID) targets
 - Ability to load up to 36 bytes of OEM data (e.g., manufacturer, Luminaire model, etc.)*
 - Ability to set a default name for the device
 - Preset light configuration settings
 - Min/Max intensity
 - Dimming curve (log or linear)
 - Power on intensity, fade time and delay time

PRODUCTION AND SETUP MODES EXAMPLE SCREENSHOTS

LIGHT SETUP EXAMPLE SCREENSHOT

ORDERING GUIDE

Part Number	Description
XCT-2	Xicato Configuration Tool for XIM, XID and XAD

MECHANICAL/ELECTRICAL SPECIFICATIONS

Housing Material	Plastic
Dimensions	50mm x 50mm x 15mm (1.97" x 1.97" x 0.69") with 1.8m (5.9') cable
Weight	110 grams (3.9 oz.)
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to +70°C
Physical I/O	USB2.0 Type A (USB-A)
Voltage / Current	5V+/-5% / 100mA
Wireless I/O	Bluetooth®
FCC ID	WAP2011
IC ID	7922A-2011
Environmental	RoHS Compliant



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