Smart Controls

Xicato's Bluetooth® smart building wireless controls are installed in a wide range of locations and integrated with a range of luminaires and building management systems. They deliver cost savings from installation through operation, and provide scene-setting capabilities that are second to none.

Smart controls enable increase in building energy efficiency, reducing maintenance and operational costs, resulting in a more productive and comfortable environment.

An End-to-End Solution Under One Roof

Hardware

- Low-Voltage Drivers
- Intelligent LED Modules
- Bluetooth Sensors
- Gateways
- Bluetooth Switch Components

Software

- Controls Cards
- Firmware Licensing
- Control Panel
- Xicato App

Services

- Planning
- Provisioning
- Configuration Verification

XICATO LOW-VOLTAGE DRIVERS

Xicato Intelligent Drivers are low voltage, dimming drivers with 48V DC input and programmable constant current output.

XID features:
- Forward voltages of 2.5 to 45V
- Programmable current output from 175mA to 1400mA
- Smooth, flicker-free dimming to 0.1%.
- Over-the-air (OTA) programmability

XICATO LOW-VOLTAGE MINIATURE DRIVERS

Xicato Miniature Drivers are low voltage, dimming drivers that measure 12.5mm x 77mm x 6mm—about the size of a stick of chewing gum.

XMD features:
- 48V DC input and programmable constant current output
- Smooth, flicker-free dimming to 0.1%.
- Supports for a 100k Ohm POT for trim control
- Over-the-air (OTA) programmability

XICATO BLUETOOTH SENSORS

Xicato Intelligent Sensors are low-voltage, low-power, Bluetooth-enabled sensors that provide data for lighting and environmental controls, including:

- Passive infrared (PIR) motion sensing in standard (3m) or long reach (10m)
- Light level (lux)
- Temperature and humidity

XICATO BLUETOOTH SWITCH ADAPTERS

Xicato Switch adapters (XSW) are small low-voltage (12-48V DC input) components that convert standard push-button or 0-10V dimming switches into powerful Bluetooth node controllers.
- 0-10V on/off+slider switches
- Low voltage momentary contact switches of up to 8 buttons
- On/off/dim, group, or scene commands to one or more nodes.

XICATO INTELLIGENT MODULES WITH BLUETOOTH

XIM are compact, DC-powered lighting modules that integrate:

- A Xicato light source, available in a wide variety of SPD/color rendering, CCT, LES, and light output options
- An industry-leading, deep-dimming driver that provides smooth, flicker-free dimming to 0.1%.
- Wired and Bluetooth lighting control.

XIM delivers the highest quality, longest-last light with a guaranteed 1x2 SDCM initial color consistency and a verifiable 7-year or 50,000-hour, B0 warranty on L70 lumen maintenance, 3 SDCM color maintenance, and electronics.

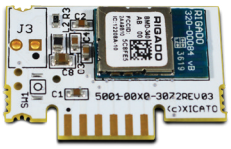
XICATO INTELLIGENT GATEWAYS

Available in black or white, Xicato Intelligent Gateways provide wired or wireless IP access to the Bluetooth network.

- Extends the Bluetooth network to any distance or any number of sites
- Provides remote access for programming, monitoring and control of large buildings, campuses, or enterprises
- Free open-source software (FOSS), secure HTTP interface API allows Bluetooth nodes to be monitored, configured and controlled by any 3rd party lighting control and/or building management system

XICATO CONTROLS CARDS

XGCs are simple PCBAs with pre-loaded base firmware that allows device manufacturers to add Xicato Bluetooth control to drivers and control actuators. Provide native Bluetooth control or translation to 0 10V and DALI driver control, multi-channel constant voltage dimmer control, trailing-edge/phase-cut dimming control, shade control, pan-tilt mechanism control, LensVector® beam control, and more.



XICATO FIRMWARE

For manufacturers that have already embedded the Nordic nRF52840 chip into their devices, Xicato offers volume-based licenses, and a delivery system that enables flexible configuration and accounting of firmware loads. XFW has all of the capabilities preloaded into the XGC.

XICATO CONTROL PANEL SOFTWARE

XCP is a powerful professional tool that provides complete access to all of the features of Xicato Bluetooth nodes, including provisioning, configuration, control, and monitoring. XCP runs on Windows (7 or higher) or macOS computers (Sierra or higher), and requires the installation of the BlueGiga BLED112 BLE-USB dongle, available from many distributors.

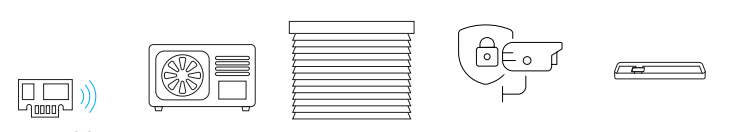
Xicato Control Panel software is available free of charge as a download from Xicato. To get access to Xicato Control Panel, send an email with your first name, last name, title, and company to download@xicato.com.

XICATO APP

The Xicato App allows end users to easily control Xicato Bluetooth nodes from their Apple iOS devices, Android smartphone or tablet. The Xicato App is available from the Apple iTunes App Store or the Google Play application store.

XICATO ONBOARD

A series of embeddable products by which any 3rd party luminaire or device can be upgraded to be wirelessly controlled and monitored via Bluetooth mesh and operate seamlessly with Xicato's award winning Controls Platform.



Applications & Worldwide Installations

Hospitality

Retail

Commerical

Museum

For a complete list of Xicato installations, visit xicato.com/casestudies.