



CDX EV CONTROLLER

This device is used to implement speed restrictions on a go-kart to enhance safety measures both on and around the karting track.

SOLUTION

The CDX EV Controller is a state-of-the-art electric rental kart shutdown system, built on the latest technology and up-to-date radio standards. It is specifically designed with a strong focus on safety and compliance with legislation and regulations across multiple regions worldwide.

The system can be expanded with the CDX Timing Sensor/Loop, enabling sector-based speed control. This allows for automatic slowdown in specific areas of the track or during pit-in procedures.

To prevent misuse, the CDX system can be configured with a unique Track ID and corresponding PIN code for each go-kart track. Only CDX hardware with the correct Track ID and PIN will respond to the configuration.

The CDX EV Controller is engineered with optimal ESD and EMC protection, ensuring long-term reliability and maintenance-free operation.

WHAT YOU NEED?

Our advised package

- CDX EV Controller (each kart)
- CDX Handheld Remote (2)
- CDX Tablet Remote (1)
- CDX Tabletstand



For questions, please reach out to your reseller and/or CDX Technology via info@cdx-technology.com

CDX-TECHNOLOGY.COM

CDX EV CONTROLLER

DATA SHEET

CDX EV CONTROLLER

| | |
|----------------------------------|---|
| Radio frequency US *** | 908 MHz |
| Radio frequency EU *** | 869 MHz |
| Radio technology | DSSS |
| Antenna | Integrated |
| Radio range (Line of Sight) | - |
| Secondary radio | - |
| Outputs | 4 digital output L, H and Tri-state |
| Inputs (gamification) | 2 digital inputs |
| Microcontroller | Dual ARM based microcontroller architecture |
| Interfaces | USB-C / RS232 + power output ** |
| Unauthorized use prevention | Track ID / Track PIN |
| User-configurable through | Integrated USB configuration |
| Display | 8 segments display |
| Operation voltage | 8 - 60 volt DC |
| Absolute maximum voltage | 75 volt DC |
| Power consumption | 500 mW |
| IP Class | IP67 |
| Dimensions | 117 mm × 100 mm × 35 mm |
| Housing | PUR |
| Software update | OTA + through USB + Unbricking |
| ESD | Enhanced ESD protection |
| Third party protocol integration | via CDX Transceiver |
| Warranty | 2-year extended carry-in |

* can be use standalone or connected witht the CDX safety system - CDX safety system required for sector safety functionality

** Can be used for the timing sensor

*** Other regions available on request