

PLC Cube

An essential component in the PRG Stage Command® System's control chain, the Programmable Logic Controller (PLC) Cube is an industrial digital computer used by PRG to provide the Go/No Go safety check. PRG's first priority in any application is safety. To ensure reliable and safe operation of all motion control elements the PLC verifies that parameters for cue execution are met before sending the control signal to the SCS Drive Rack. If one of the pre-programmed parameters is not met, the PLC will prevent the cue from being executed.

The PLC Cube is designed for 24/7 operation, extended temperature ranges, immunity to electrical noise as well as resistance to vibration and impact. PRG's uses industrial-grade Rockwell Automation PLCs housed in a rugged road case cube with interior Plexiglas doors to protect the PLC components and allow for ease of transport. This well-designed PLC configuration provides a stable, reliable and roadworthy system show after show for any production application and is also well suited for permanent installations.

E-STOP

The Stage Command System incorporates a full Emergency Stop system (E-Stop). The E-Stop circuit is a hard-wired system, integral to the SCS, but independent of the control, making it a vital safety feature.

INFORMATION FLOW

The PLC cube coordinates information transfer between the PRG Commander console, peripheral devices, motion controllers and E-Stop components



Features

- **DIMENSIONS:** Width: 24" (609.6mm)
Width: 32" (812.8mm)
Height: 36" (914.4mm)
Weight: 125 lbs (57kg)
- **HANDLING:** Includes rugged casters and handles
- **INTERIOR PLEXIGLAS DOORS FOR PROTECTION OF THE PLC HARDWARE**
- **STANDARD PLC CUBE PACKAGE INCLUDES PLUG AND PLAY CONNECTIONS**
- **REQUIRES ONE (1) 120VAC POWER SOURCE**