

## Overview

Many projects with GRAFIK Eye lighting controls also have other equipment such as audio/visual and building management systems that need to be integrated with the lighting controls. Today, most of this equipment has a serial RS232 port that can be used to send and receive commands. For these applications, Lutron offers an Interface Control (GRX-RS232) that provides direct communication with this equipment. The GRX-RS232 allows up to eight 3000 or 4000 Series GRAFIK Eye Control Units to communicate with a personal computer or auxiliary audio/visual equipment via RS232.

## Features of the GRX-RS232

The GRX-RS232 can execute the following commands:

**Select Scene** - Select any scene on any GRAFIK Eye Control Unit.

**Scene Lock** - Prevent light level changes on GRAFIK Eye Control Unit(s).

**Request Scene Status** - Request the current scene of every GRAFIK Eye Control Unit in the system.

**Sequence** - Begin sequencing Scenes 1-4 or 5-16 (DIP Switch selectable) on selected GRAFIK Eye Control Units.

**Zone Lock** - Prevent permanent changes of preset zone levels on a GRAFIK Eye Control Unit(s).

**Zone Raise/Lower** - Raise/Lower any zone on any GRAFIK Eye Control Unit.

Additionally, the GRAFIK Eye RS232 Interface Control will allow a PC or auxiliary A/V equipment to monitor the following information on a GRAFIK Eye System:

**Raw Feedback** - (DIP Switch 6 ON) Report button presses and releases on all GRAFIK Eye Control Units and Accessory Controls.

**Scene Status** - (DIP Switch 7 ON) Report scene changes on all GRAFIK Eye Control Units. Scene status may be changed by Control Units, Accessory Controls, Sequences, or Timeclock (GRX-ATC).

## System Limitations

Multiple GRX-RS232 Interface Controls may be used in a GRAFIK Eye System. The GRX-RS232 is addressed as an Accessory Control, which has a system maximum of 16 per GRAFIK Eye System. The first GRX-RS232 will assume Address 16. If more than one GRX-RS232 Interface Control is used on a System, each unit must have a unique address (1-16) set by DIP Switches 1-4. For further information on Addressing multiple GRX-RS232 Interface Controls, refer to the GRX-RS232 Installation and Operating Instructions.

## Other Interfaces Capable of RS232 Communication

**GRX-ATC** - The GRX-ATC Timeclock Interface Control provides all of the functions available with the GRX-RS232 Interface Control while also providing an internal astronomical timeclock. Included with the GRX-ATC is Lutron's GRAFIK Eye Timeclock software (GRXTC-WIN) that can be used to schedule Events or make Super Sequences. Only one GRX-ATC can be installed on a MUX Link.

**GRX-PRG** - The GRX-PRG Programming Interface Control provides all of the functions available with the GRX-RS232 Interface while also providing Lutron's GRAFIK Eye LIAISON software and timeclock features. The LIAISON software allows for complete programming of GRAFIK Eye 3500/4500 Series Control Units from a PC or other RS232 device. Only one GRX-PRG can be installed on the same MUX Link.

## Additional Information

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