



## **Application Note**

### **Controlling an iPlayer 2 from a Lutron GRAFIK Eye System**

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The Lutron ([www.lutron.com](http://www.lutron.com)) GRAFIK Eye® 3000 and 4000 series control systems can provide limited control to the Color Kinetics iPlayer 2. This is done through the Lutron GRX-AV Contact Interface connected to the iPlayer 2 expansion port. This application note describes how to configure this interface.

#### **Configuration**

The GRX-AV Contact Interface provides five contact closure outputs. These outputs are wired to the contact closure inputs on the iPlayer 2 expansion port. In a typical application the first four GRX-AV outputs would select iPlayer 2 shows 1 through 4, while the last output would turn the lights connected to the iPlayer 2 off. On the GRAFIK Eye end this would correspond to scenes 1 through 4 and off.

The GRX-AV should be configured for "Momentary Outputs" by setting DIP switch 7 ON and 8 OFF. The other DIP switches on the GRX-AV should be set appropriately for the application

#### **Wiring**

Wiring to the iPlayer 2 expansion port is best done through a screw terminal block attached via a ribbon cable. See the Color Kinetics application note "Using the iPlayer 2 Expansion Port" for third party screw terminal blocks. The total length of the wires between the iPlayer 2 and the GRX-AV (including the ribbon cable) should be less than 3 feet (1 meter).

The following table shows the typical wiring between the iPlayer 2 and the GRX-AV.

<b>iPlayer 2</b>		<b>GRX-AV</b>
<i>Pin Number</i>	<i>Function</i>	<i>Terminal</i>
1	Ground	OUTPUT C
5	Show 1	OUTPUT 1
6	Show 2	OUTPUT 2
7	Show 3	OUTPUT 3
8	Show 4	OUTPUT 4
17	Off	OUTPUT 5