



## I. Driver Features

### 1. Command Format

This device is controlled through a combination of RS-232 and IR commands; both are necessary for full control of the device.

### 2. RS-232 Commands

Power On	Source: Video	Zoom Up	Menu	A/V Mute
Power Off	Source: S-Video	Zoom Down	Adj Up	Freeze
Volume Up	Source: RGB	Focus Up	Adj Down	Zoom
Volume Down	Source: DVI	Focus Down	Adj Left	Keystone
			Adj Right	Up
			Enter	Down
			Cancel	Lamp Mode

### IR Commands

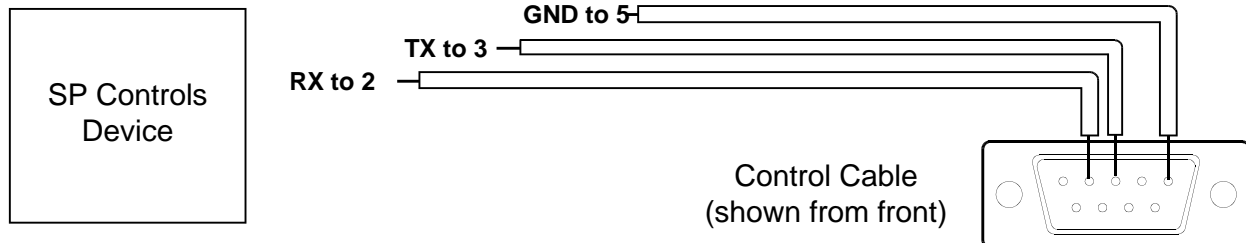
### 3. Other Driver Features

Default Power Status Feedback: None  
Projector Restart Lockout Timer (Default): 150 Seconds

## II. RS-232 Control Wiring

For IR wiring, see product manual for the SP Controls device.

Wire RS-232 control to a male DB9 as shown. Connect DB9 cable to PLUS serial adapter cable (must be separately ordered from PLUS, part no. TCB-769760000).



Connect the PLUS adapter cable to projector small USB port near the audio connector on the back of the projector. See Part IV. below for more information on locating the communication port.

Serial Adapters (for NRC only): A & B

## III. Projector Configuration and Additional Information

**Warning:** The PLUS serial adapter cable (P/N: YCB-C- 769760000) contains active electronics. Ringing it out with a continuity meter may damage the adapter cable.

• **SPLASH SCREEN DISPLAY OFF:** To disable Splash Screen display, navigate through the on-screen menus to *Setup*, inside the *Options* menu set the *On Screen* menu option to OFF.

• **AUTO SOURCE OFF:** To disable Auto Source, navigate through the on-screen menus to *Setup* and set *Auto Source* to OFF.

Finding the USB connector for the PLUS adapter cable can be difficult as it is hidden beneath a sticker. In order to remove this sticker follow these instructions.

*To Remove Sticker:*

1. Take a flat head screwdriver and place underneath the seal of the S-Video connector. (See Figure 2)
2. Gently lift up with the screwdriver to remove the sticker from the back of the projector. (See Figure 3)
3. Remove the sticker completely to reveal the hidden connector. (See Figure 4)
4. Connect the PLUS serial adapter cable (P/N: YCB-C-769760000) into the USB connector (See Figure 5)



**Figure 1: This is the back of the PLUS projector before removing the sticker**



**Figure 2: Use a Flat head screwdriver to help pry the sticker off**



**Figure 3: Continue removing the sticker until it is completely removed**



**Figure 4: Once the sticker is removed the USB connector will be visible**



**Figure 5: The USB connector to the right of the audio connector is used to control this projector**