



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

IR Commands

Power On	Source: Video 1	Menu	Right Click (Reset)	Blank
Power Off	Source: Video 2	Adj Up	Zoom Up	Position
Volume (absolute)	Source: RGB 1	Adj Down	Zoom Down	Mute
Blank On	Source: RGB 2	Adj Left	Focus Up	
Blank Off		Adj Right	Focus Down	
		Left Click	Timer	

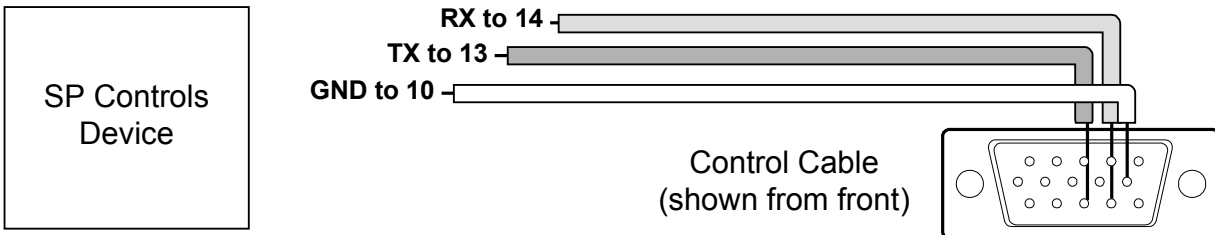
3. Other Driver Features

Default Power Status Feedback: None
Projector Restart Lockout Timer (Default): 80 Seconds

II. RS-232 Control Wiring

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

Wire RS-232 control to a male HD15 as follows:



Connect male HD15 to projector port labeled *CONTROL*.
Serial Adapters (for NRC only): B and C

III. Projector Configuration

Baud Rate: The Hitachi projector may be configured via the onscreen menus to accept RS-232 control over a range of speeds. This driver assumes control will take place at 1200bps. Verify that the projector is set to 1200bps in the onscreen *OPT. (OPTIONS) Menu: COM. SPEED* setting. If not, set the projector to 1200.

Data Word: The Hitachi projector may be configured via the onscreen menus to accept RS-232 control over a range of data word settings. This Driver assumes control will take place with 7 data bits, no parity bit, and one stop bit (**7N1**). Verify that the projector is set to 7N1 in the onscreen *OPT. (OPTIONS) Menu: COM. BITS* setting. If not, set the projector to 7N1.

Note: On-screen menus can not be summoned if no source is detected on the currently selected input. This is a Hitachi behavior not related to external control.