



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	Menu	Zoom Up	Blank
Power Off	Adj Up	Zoom Down	Mute
Volume (absolute)	Adj Down	Focus Up	P in P
Source: Video	Adj Left	Focus Down	Magnify Up
Source: RGB 1	Adj Right	Timer	Magnify Down
Source: RGB 2	Reset	Freeze	Magnify Off

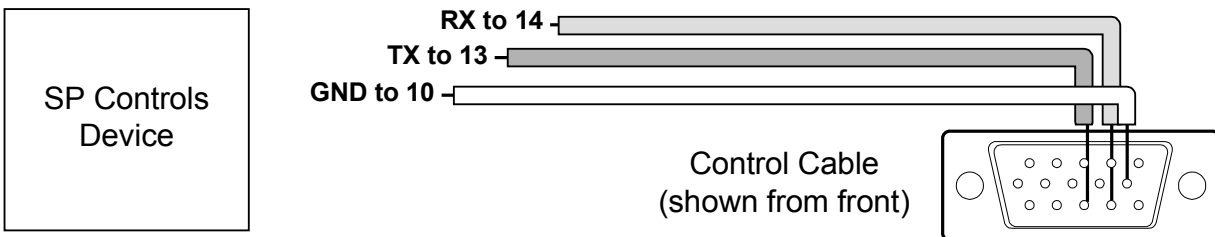
3. Other Driver Features

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 9600bps. Verify that the projector is set to 9600bps in the onscreen *OPT. (OPTIONS) Menu: COM. SPEED* setting. If not, set the projector to 9600.

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 8 data bits, no parity bit, and one stop bit (**8N1**). Verify that the projector is set to **8N1** in the onscreen *OPT. (OPTIONS) Menu: COM. BITS* setting. If not, set the projector to **8N1**.

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.