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.