

Appendix E: Control Module Panel

Panel features are listed in left-to-right order as viewed from the rear of the projector.

"RESET" Switch

This momentary push-button switch is recessed to prevent accidental activation. It rests the 68HC11 microcontroller, which responds by turning the projector off and waiting for a "power-on" message.

"POWER" LED

This green LED illuminates after the power supplies have been turned on and the power-up sequence of the projector is complete. It is normally the only LED that is lit during projector operation.

"STANDBY" LED

This amber LED illuminates after the power cord is connected to the projector to indicate the projector's readiness to be turned on. The LED turns off when the projector is powered up. As a second function, the "STANDBY" LED also lights when the projector has been placed in STANDBY mode (sound and picture disabled). In this mode, the green "POWER" LED is also illuminated.

Diagnostic LEDs

These red LEDs illuminate to indicate a malfunction that may prevent correct operation of the projector. The meaning of each LED is indicated below:

- "ERROR" - indicates an error or malfunction within the control system
(memory or checksum error, I²C error, etc.)
- "LVPS" - lights if the low voltage power supply requires servicing
- "EHT" - lights if the high voltage power supply requires servicing
- "H. FAIL" - lights if horizontal scan has failed.
- "V. FAIL" - lights if vertical scan has failed.
- "C" - for future use

"REMOTE" Jack

This miniature stereo phone jack can be used to connect a wired keypad or a remote IR sensor to the projector.

RS-232 "IN" and "OUT" Connectors

These nine-pin D connectors allow connection of multiple projectors in a network and/or control of one or more projectors by RS-232 from a computer. A computer would be connected to the "IN" connector (female), while the "OUT" connector (male) would be used to network to additional projectors (by going to the next projector's "IN" connector, and so on).

Switcher Connector

This female nine-pin D connector allows communication with one or more optional Marquee Signal Switchers.