
LEPRECON LM-850 LIGHTING CONSOLE, ROM Version 1.5A

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FCC Part 15 Potential Radio Frequency Interference Warning

Warning: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. As temporarily permitted by regulation, it has not been tested for compliance with the limits for Class A computing devices pursuant to Sub-part J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

LM-850 PRODUCT FEATURES

CONTROL CHANNELS: 54 control channels controlled by 3 banks of 18 faders, bump buttons, and proportional LED displays.

CROSSFADER auto-sequences between current and next scenes.

SUBMASTERS (A & B) each control any grouping of channels.

BLACKOUT button, with instantaneous or programmed fade time.

BUMP ALL button, latching or momentary, with instantaneous or programmed fade-in time.

BUMP BUTTONS for channels and chase can be momentary or latching, add or solo, with configuration storable as part of each scene. Submaster and master bump buttons can be momentary or latching.

SCENES: 100 programmable preset scenes, each with its own user-assignable name, fade rate, and chase.

CROSSFADE TIME: Programmable from 0-99.9 seconds, or manual crossfade between scenes.

TITLES: Each scene, song, and chase can be given a nine-character name.

SONG MODE: 50 programmable songs of up to 50 steps each. Songs can be automatically linked one after another. Each song can be named.

CHASES: 50 programmable chases of up to 32 steps each. Each step can be a user-selected group of channels or a selected preset scene. Each chase can be named.

CHASE RATE: Adjustable chase rate from internal clock, manual tempo tap, MIDI clock, or audio sync.

MIDI: Full implementation for synchronization, archiving, and control from sequencers. MIDI In, Out, and Thru jacks.

SOFT PATCH: Any of 54 control channels assignable to any of 108 dimmer channels.

DIMMER OUTPUTS:

Three dedicated MIDI Out jacks for MIDI dimmer control.

DMX-512 digital output.

Analog outputs (0-10 volts) for 48 or 96 channels (optional).

DISPLAY: Easily-readable 2X 16 character backlit LCD screen for console display and HELP messages.

FOOTSWITCH jack for controlling Go, Black, Bump All, Chase Bump, Chase Start/Stop, or Tempo Tap functions (Leprecon FCP footswitch optional).

GLOSSARY OF TERMS

BLACKOUT - To simultaneously turn all lights completely off, by means of a momentary or latching Blackout button. This allows a complete darkening of the stage without altering any slider settings.

BUMP - To flash a light channel to a certain (usually full) intensity, by pressing a switch known as a Bump Button.

CHASE - A usually rapid automatic flashing of lights in a specific sequence.

CROSSFADE - A smooth transition from one scene into another.

CURRENT SCENE - The scene which is actually controlling the lighting at a given time. Note that this is not necessarily the scene that corresponds to the setting of the channel faders on the LM-850, such as when the console is used in the Manual scene mode.

DMX-512 - A digital control interface to connect a lighting console to dimmers by means of a single 5-pin cable.

EDIT - To change a scene, chase, or other setting which is stored in memory. The edited setting can then either replace the old version, be saved as a completely different version, or not be retained at all.

FADE - A smooth transition, usually done with the Master fader, from the current scene to darkness.

MASTER - A fader that controls the overall level of all channels and submasters, and therefore the overall lighting level.

MIDI - An acronym for Musical Instrument Digital Interface, a serial communications interface that can connect many types of musical, computer, and lighting equipment together into an integrated system.

SCENE - A particular setting of channel levels to achieve the desired brightnesses and colors of lights on stage.

SMPTE - An acronym for the Society of Motion Picture and Television Engineers. "SMPTE" commonly refers, however, to the time code used by that group for synchronizing film, video, and audio equipment.

SOFT PATCH - The assignment of console channels to dimmer channels in any desired configuration, done with software in the console rather than with actual hardwiring at the dimmers.

SONG - A predesignated string of numerous scenes, which can be stepped through sequentially during the performance of a song.

SUBMASTER - A fader that controls only those console channels which have been assigned to it, allowing specific groups of lamps to be operated with a single fader. Submasters are under the control of the Master fader.

SYSTEM EXCLUSIVE - A MIDI feature which allows one device to store the memory content of another, or to control the individual parameters of the other.