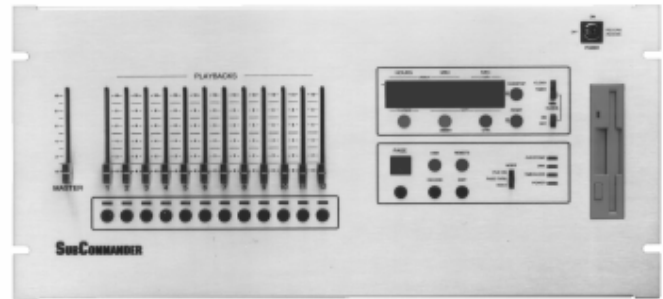## Features

- 19" Panel Mount Configuration
- DMX Signal Compatibility
- 512 Dimmer Capacity/1024 Optional
- 144 Preset Capacity
- Twelve Faders plus Master
- Signal Auto-Hold Feature
- Remote Record & Recall Capacity
- LED Clock & Timer Features
- Optional 3.5" Disk Drive
- Optional Video Display

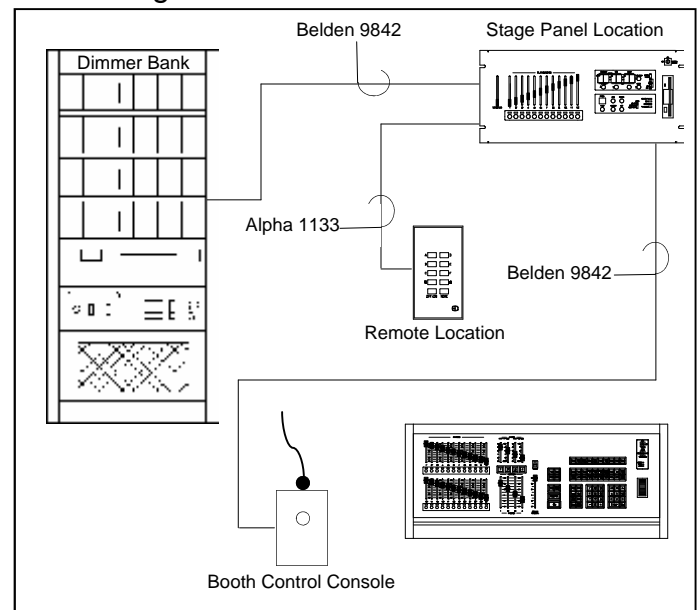## SubCommander Stage Panel

Description

The SubCommander offers a fresh approach to DMX controls by providing the capacity to selectively copy DMX cue information as the signal passes through the controller. Once captured, the unit can proportionally play back or pile-on the copied cue information at any proportional value between 00 and FL. When on line, the AUTO HOLD feature will continue to output the existing signal if the primary control signal is temporarily lost or interrupted. Through edit features, the presets assigned can be reviewed and adjusted, then stored off-line on an optional 3.5" disk drive.

SubCommander's memories can be assigned to specific page and memory locations from any EDI or DMX compatible control console.

SubCommander is equipped with a Clock/Time Clock which allows the unit to perform with an hour, minute and second Clock display, selectable Timer functions, and Real Time Clock which can start, hold, and fade any preset action held in memory. The clock will allow any preset to be assigned a fade time for memory recall from a remote station. The clock features allow the unit to perform automated Show Control functions for simple and complex events.

Riser Diagram

Order Information:
☐ D101 1-Channel

Options:
☐ LED option
☐ Master Switch

Job Number: Customer: Approval Stamp:
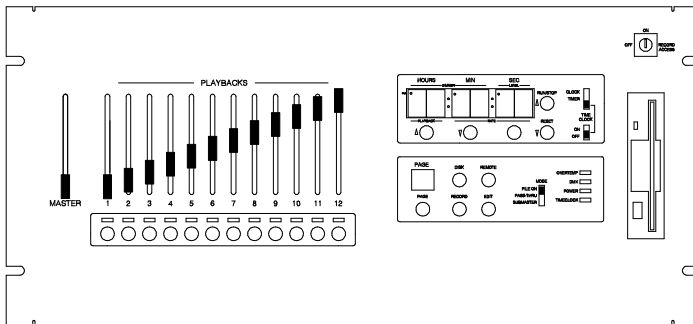Job Name: P.O.:

PRODUCT DATA SHEET
P490

Stage Panel: Fixed Mount with Surface Controls

Mechanical Characteristics:

Enclosure:	Heavy-duty aluminum, finished in grey epoxy paint. Silk-screened nomenclature
Circuit Cards:	Plug-in style, double-sided, through-hole, plated, U.L. recognized with G-10 fiberglass rate FR-4
Electrical:	120VAC input power, 2 Amp consumption

Physical Characteristics:

Stage Panel:	5¼"H x 19"L x 6½"D (13.3cm x 48.3cm x 16.5cm)

Specifications

1. The SubCommander shall be a microprocessor based secondary console specifically designed for the performance environment. The stage panel shall have the capacity to selectively copy and address up to 512 dimmers (1024 optional) on the USITT standard DMX-512 communication protocol, with up to 144 Preset capacity.
2. The SubCommander shall be designed for E.I.A. standard 19" panel mount with all control electronics enclosed, properly vented and securely mounted to the front panel. Controls shall be clearly marked for operation. Connections shall be via terminals.
3. All identifications shall be silk-screened for high contrast, low light level viewing. All low-voltage control connections integrated into the chassis shall be of a locking type to insure proper connection.
4. The program shall be secured in a nonvolatile read-only memory. The program operation shall not be dependent upon any peripheral device for operation. Recorded memory shall be protected by means of a ten-year lithium battery. Additional protection shall be available by means of an optional off-line storage of recorded information. Off-line storage shall be accomplished by the industry standard 3.5" disk drive internal to the housing.
5. The SubCommander shall provide, but not be limited to the following as standard features:
   A. Twelve overlapping pile-on playback faders with bump buttons for individual manual control of recorded information.
   B. Twelve tri-colored LED's located under the faders for preset and page identification.
   C. Page key with LED page display shall identify up to 12 pages of preset locations.
   D. Control key for access to Disk, Remote, Record and Edit features.
   E. Grand Master for proportional control of all outputs.
   F. Mode switch for selection of Pile On, Pass Thru, or Solo operation.
   G. Three-position switch for clock functions
   H. LED indicators for signal status
   I. Control keys for clock setup features
   J. Off, On, Record key switch for controlled access to operation functions
   K. Auto Hold capacity for continued output of a improperly terminated DMX signal.
   L. Capacity for remote recall of stored preset
6. When on line and active, the SubCommander shall provide, but not be limited to, the following performance features:

A. Power and record access shall be controlled by a key switch position or by direct control access from the control console. Up to 512 dimmers with levels can be recorded into a memory location.
B. The unit shall have the capacity to stand alone as a DMX source, Pile-on memory information to the existing DMX signal, or allow another DMX driver to pass through information without interruption.
C. Level setting and recording shall be accomplished by a direct capture from the DMX signal or by specific commands excited through the edit and record features which allow the display of channels and the assigned levels through the six-position LED display windows. The preset and channel numbers shall display in the left windows, and the levels shall display in the right windows.
D. Presets and levels may be previewed and/or modified through the page and edit features and displayed through the LED windows. Edits to presets shall be accessed by selecting the preset page through the page key and the bump button identified with the Playback to access the preset number.
E. Memories may be loaded on the Playback fades by selecting the page number and activating the Playback fader. Memories from different pages may be loaded to the Playbacks. The tri-colored LEDs shall identify the type of preset loaded.
F. The six-position clock shall display time in either a 12- or 24-hour mode.
G. The Timer function shall count time up from 00 or down from a set time entered in the six position display. The run/stop key shall start or stop the timer when selected.
H. The Time clock function shall allow selected memories to start and/or crossfade at times established on the time clock. Individual fade times can be established for each time clock memory. Up to 99 events can be scheduled in the time clock. Faders with time clock functions loaded shall be identified by the tri-colored LED.
7. The control console shall be the SubCommander series, as manufactured by Electronics Diversified, Inc., Hillsboro, Oregon 97124, U.S.A.

Electronics Diversified, Inc.

1675 N. W. Cornelius Pass Rd., Hillsboro, Oregon 97124 U.S.A.1-800-547-2690 or visit our Web Site: www.edionline.com