

5 1.01 CopyCat Performance Control:

A. General Description

1. The CopyCat shall be a microprocessor based secondary control device specifically designed to support the operation of a live performance environment. The console shall have the capacity to address and copy up to 512 dimmers (2048 optional) on the USITT/ESTA standard DMX 512 1990 communication protocol, with a capacity of 36 preset memories.
2. The CopyCat shall be available in two distinct versions.
 - a. The Stage Panel version 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 easy operation. Connections shall be via terminals.
 - b. The portable console version shall be in an enclosure 12.5" x 6.5" x 2.5" with all electronics enclosed. The console shall be powered by a remote power supply.
3. All identifications shall be silk-screened for high contrast, low light level viewing.
4. The control program shall be secured in a non-volatile read-only memory. The program operation shall not be dependent upon any peripheral device for operation. An integral "super cap" shall protect all recorded memories from power outages of up to 2 weeks.

B. Control Features

1. The CopyCat 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 tricolor LED's located under the faders for preset and page identification.
 - c. Page key with LED page display shall identify up to 3 pages of preset locations.
 - d. Grand Master for proportional control of all outputs.
 - e. Mode switch for selection of incoming DMX signal for Pile On, Pass Thru, or Solo operation.
 - f. Capacity for remote control of the Mode switch by the primary control console for remote lockout feature.
 - g. LED indicators for signal status.
 - h. Capacity to accept a remote assignment of dimmer and level information to a preset from the primary control console.
 - i. Capacity for remote recall of stored preset from CopyCat remote stations.
 - j. Capacity for primary control console to control selection of CopyCat remote stations.

C. Playback Operation:

1. When on line and active, the CopyCat shall provide, but not be limited to, the following performance features:
 - a. Power and record access shall be controlled by a switch or by direct control access from the primary control console. Up to 2048 dimmers with levels can be recorded into any 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 dimmer and level information without interruption.
2. Level setting and recording shall be accomplished by one of two different methods:
 - a. A direct capture from the DMX signal generated by another source.
 - b. A direct download of dimmer and level information from a primary EDI control console. Download will assign the page and preset number for recall by the CopyCat.
3. 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 tricolor LED's shall identify the type of preset loaded.
4. Memories may be recalled by up to remote stations. Remote stations can access a single page of 4, 8 or 12 memories. Front panel controls can pile-on additional memories when a

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remote is active.

- D. The secondary control console shall be the CopyCat series, as manufactured by Electronics Diversified, Inc., Hillsboro, Oregon.