5 1.01 Bijou Control Console

A. Description:

10		1.	The Bijou control console shall be a high-speed microprocessor-based lighting control system designed specifically for theatrical and television dimming systems. The system shall have the capacity to address up to 512 control channels and 1024 dimmers incorporating USITT standard DMX512 protocol			
15		2.	All pri house maxim	ncipal control electronics shall be of plug-in design, with locking connectors as required, d within the low-profile console. Not including SVGA drivers and channel cards, the num number of printed circuit boards shall be two. All control outputs shall be based on		
		3.	locking Conse a. N b. 2	g-style connectors, insuring positive connection. ole dimensions are: 1emory: 21" L x 15.5"W x 4.5"H 24-Channel: 36" L x 15.5"W x 4.5"H		
20		4.	c. 48-Channel: 60" L x 15.5"W x 4.5"H The console shall be designed to generate a graphic quality SVGA output signal for a detached color CRT for display of all control functions and information status. Display colors shall alert the operator to active operating conditions. The system shall require only one CRT for operation. The SVGA driver card shall be of standard computer design and plug-in			
25		5.	replaceable. The controls in the console shall be logically grouped into keypads, push buttons and linear potentiometers designed for numeric input, function selection, and manual controls for automated playback. All controls shall be clearly presented for easy selection in a low-light setting.			
30		6. 7.	The console shall not require the use of any periphery device for operation. The operating program shall be stored in a programmable read-only memory. In the event of power failure, a ten-year lithium battery shall retain random access memory. The console shall be equipped with a 3.5" high-density disk drive for recorded information			
35		8	storag	e.		
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	В.	Sta	Indard F	eatures:		
		1.	The co	onsole shall be provided with the following as standard features for consistent operation:		
40			a. C a s	The high-resolution Super VGA graphic quality detached color CRT for display of, and ccess to, the addresses of system parameter screens, while displaying fader and cue tatus information to include:		
			1) Stage: for channel, fader, and cue information. At minimum the screen shall display 200 control channels; fader operations; effects activation information, and system		
45			2	 identification. Cue: for review and address of recorded cue information without affecting the existing stage picture. Screen shall allow for revision of cue type, channel levels, up time, down time; up delay time, and down delay time. 		
50			3) Submaster: for review and modification of submaster information. Screen shall allow for medication of channel levels, submaster type (normal, inhibited, solo), up time, dwell time, and down time.		
			4	 Cue List: for display of all cue command line information. Display shall present cue number, cue name, up and down times, up and down delay times, and cue link information. 		
55			5) Track: for display of cues and levels in a spreadsheet type format.		
			b. A 1	dditional displays:) Patch: for organization and review of dimmer-to-channel assignments. Patch shall have two styles of display: patch by dimmer and patch by channel. The system shall		
60			2	have two distinct patch tables.Profile: up to 25 profiles shall be selectable and assignable to dimmers. Profile shall		

5		allow the shap Setup: for sele defaults paran Setup will allo allow the initia	be of the fade to be altered and assigned via the patch table. Exction of system parameters. Set-up shall allow the establishment of neters such as default tracking, default preset, default cue times. We the activation of SMPTE format and MIDI format inputs. Setup will ation of remote monitors, designer's remotes, hand-held remotes, and			
10		initiate actions SubCommand Cue List: for a Sub List: a nu	at additional system compatible memory units such as ler or CopyCat dimmer electronics and stage manager's panels. summary of cue names and numbers. meric keypad shall be used to enter information to create channel, use effects lists, and command line information. These keys shall have			
15		the capacity to	select or edit information in the primary screens.			
	C.	dditional Keys: The system s distinct screer	hall include display keys, which quickly access a minimum of eleven is for console status. The active cue and fader status along with the			
20		current and ne Information k organization a a) Update: f composit	ext cues shall be present in the Stage screen. eys shall offer direct access to commands and routines used in the ind replay of recorded information to include: for immediate re-recording of cue level information from any stage ion.			
25		 b) Flash: for c) Next/Las d) Macro#: 1 e) Cue Only basis 	r channel identification. t: for CRT repositioning. for executing Macro called. /: Shall record information into the current cue on a this cue only"			
30		The system sl submasters. T	nall include a command keypad to address the attributes of cues, and These keys present information on either a last action or highest-takes- asis.			
35		An action key and FADE RA radar section, switch.	pad shall include oversized GO and STOP buttons as well as LOAD TE keys that initiate or modify actions. There shall be a principal cue which includes two sets of crossfaders, and a master with blackout			
40		The system sl bump buttons or inhibitive st combination th indicate the st	nall include a submaster section with twenty-four linear sliders with and tricolor LED's, which can be assigned to operate in either pile-on atus. Submasters can contain specific cues, channels, or any nereof, with a manual or timed status. The color of the LED's shall atus and type of record loaded without the CRT.			
45		The system sr There shall be which can ado of input or out	all offer a dedicated HELP key. a high-inertia proportional rotary encoder with a textured surface, dress or take control of channel levels for individual or mastered control put information.			
С	. Operatin	unctions:				
50	1. The	ntrol console sha nere shall be a co	Ill provide the functions outlined for minimal operation:			
55		user specific clear commands, load and save functions, activation of remote inputs, real- time clock, submaster functions, standard level adjustments, basic disk and print functions, and diagnostic functions. Operating parameters shall be changeable without clearing memory assignments.				
	b.	patch feature sha becified level. Ar	all allow the user to assign one or more dimmers to a channel at a ny dimmer may be assigned as a non-dim. Twenty-five user- files can be assigned, which allow actual outputs to be programmed			
60		ith a minimum of eld at user-specifi	twenty steps. Dimmers may be isolated from assigned channels and led levels where outputs are exempt from the recording cue process.			

5	C.	Control channel lists can be constructed by cursor positioning and the use of: and, thru, except, at, full, clear and enter keys, in combination with numeric values.		
10	d.	It shall be possible to capture the current stage output or contents of selected channels, or cue blocks for modification, on the wheel. Selected channels may be held at existing values while others are forced to zero. Channel levels shall be altered in a single cue only, or may track through a series of cues. The display shall indicate the status of any channel addressed or recorded. Channel levels may be set, modified, or displayed in either stage or preview modes.		
20	e.	Channels shall be assignable to submasters in cue configuration, or a direct basis without any other record feature. Information assigned to submasters can be played back by either manual or timed modes. Timed submasters can be stopped and restarted. An overall dwell time as well as up and down times can be defined in timed submasters. Displays shall support an alphanumeric label.		
25	f.	Any combination of selected channels and submaster inputs can be recorded into a cue action. Cue actions can have separate up and down times, with delays up to 100 minutes. Cues can be recorded in any order. Up to nine cues can be inserted between any two whole numbers. Each cue can be assigned an alphanumeric label. Attributes assignable to cues are: auto start, manual, preset, track, and link too.		
20	g.	A track sheet display shall identify any channel addressed in a cue as either active or passive. It shall be possible to edit cue name, type, and time information with global effect in the track sheet. Additionally, it shall be possible to edit channel levels.		
30	h.	A cue sheet display shall be provided which lists cues in numeric order with command line and label information.		
35	i.	Recorded information may be played back on the principal faders in either a manual or timed mode by selecting the GO command. Timed cues assigned to a fader may be stopped, reversed, or converted to manual on command.		
40	j.	Submasters: Submasters may be initiated in manual or timed mode. A tricolor LED shall identify active Submaster controlling channels. Green LED shall indicate that the Submaster contains manual channel levels. Amber LED shall indicate that the Submaster contains an effect. Red LED shall indicate that the Submaster has been designated as an "inhibitive" or solo submaster with channel information.		
45	k.	The channel lists contained in a submaster can be viewed in the sub display with current fader information present. The submasters shall support a minimum of 24 pages (288 records) of information. A display shall identify the labeled information and the status of any submaster at any time.		
50	I.	There shall be the capacity to initiate a series of up to 20 keystrokes, which define an action through a macro command. Macros shall be initiated by start-up, or direct key input with a capacity for 2500 recorded sequences. Macros can be initiated by inputting the Macro number through keystroke action. A Macro may also be assigned to initiate in any cue via the "CUE LIST" screen.		
55	m.	 Effects: 1) Each effect shall contain up to 100 steps consisting of channels with levels. 2) Each effect can be recorded with any combination of attributes, including chase, bounce, random, and invert. 		
60		 Effects can be loaded onto submaster handles. Effects may also be acitvated for a cue using the "Special" Macro Command Up to 12 effects can operate simultaneously 		

- Internal diagnostics routines shall be available in the setup screen. The diagnostics shall test memory; disks read and write functions, key inputs and video drivers.
 - It shall be possible to download presets directly from the control console to a remote secondary control console. These include, Sub Commander, CopyCat, and the MX dimmer control back-up looks.

D. Options:

- 1. Off-line Editor
- 2. Hand-held Remote
- 3. Midi In & Out Communications Ports
- 4. SMPTE Input Port
 - 5. Designers Remote
 - 6. Remote Video Receiver
 - 7. "CF" Moving Lights Outrigger
 - 8. DMX In
 - 9. RS232 Port
- E. Manufacturer:
 - 1. The console shall be the Bijou, as manufactured by Electronics Diversified, Inc., Hillsboro, OR 97124, USA

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