

# *Prestige Series 2000C*



*Powerful, Versatile With  
Straightforward Operating Approach*

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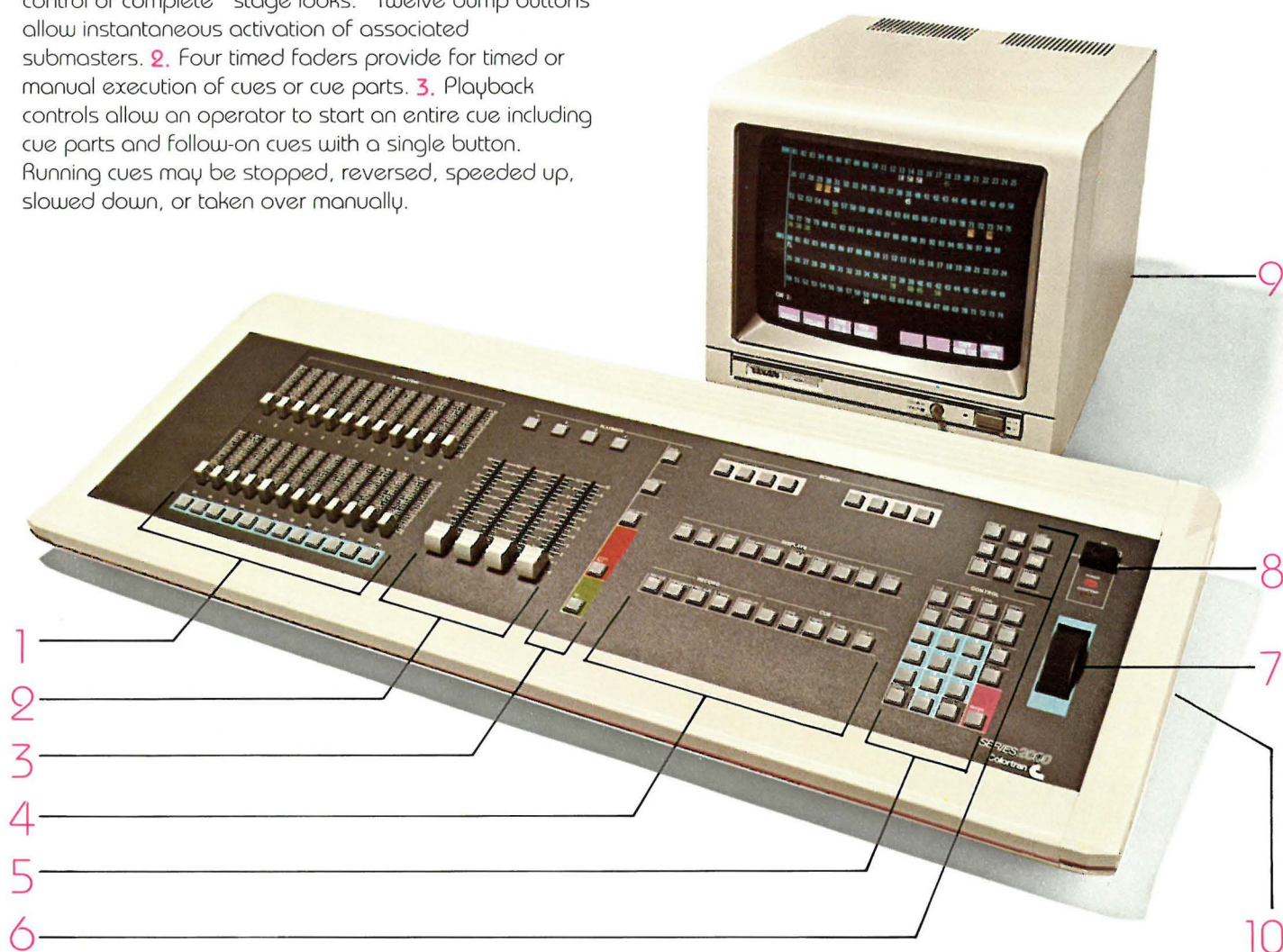
**LEE Colortran**

# A step beyond . . . *Prestige™* **SERIES 2000** in the evolution of microprocessor-based lighting control

**PRESTIGE SERIES 2000** advances to a new level microprocessor based lighting control systems designed and constructed for the theatrical and television industry. **PRESTIGE SERIES 2000** controls up to 400 dimmers on up to 200 channels, and records up to 300 cues or groups. The **PRESTIGE SERIES 2000** operating program is stored in programmable read-only memory. In case of power failure, random access memory shall be retained by an automatic battery back-up power supply. **PRESTIGE SERIES 2000** is engineered to provide clarity of operation, incorporating full color visual displays to provide continuous information to the operator on progress and mode of operation. The **PRESTIGE 2000** has powerful built in Special Effects program and flash buttons on 12 of 24 submasters to provide a flexible console at ease in all types of performances.

1. Twenty-four pile-on submasters provide for manual control of complete "stage looks." Twelve bump buttons allow instantaneous activation of associated submasters. 2. Four timed faders provide for timed or manual execution of cues or cue parts. 3. Playback controls allow an operator to start an entire cue including cue parts and follow-on cues with a single button. Running cues may be stopped, reversed, speeded up, slowed down, or taken over manually.

4. Record/Cue functions and "soft" screen keys allow simple, straight-forward recording and editing of cues, groups, submasters, effects, patch, and setup with a minimum of console "clutter." The screen keys focus the user's attention on commands which are useful in a particular display and allow for easy software upgrades to the console. 5. Numeric keypad allows rapid formation of unlimited combinations of channels, groups, cues, submasters, and effects for digital level setting or adjustment on the wheel. 6. Position keys allow the user to move up, down, left, or right in various displays. 7. Wheel provides a continuous rotation device for setting and adjusting levels. 8. Power/Backup keyswitch and overtemperature indicator. 9. High resolution color CRT provides the following user selectable displays: Stage, Cue, Group, Submaster, Effect, Cue Sheet, Track Sheet, Playback, Patch, and Setup. 10. 3.5" Disk Drive provides library storage for shows. Information on the disk is automatically updated after each recording operation.





Hand Held Remote - Catalog No. 168-327 - allows channels to be selected from a remote location for lamp and focus check out.

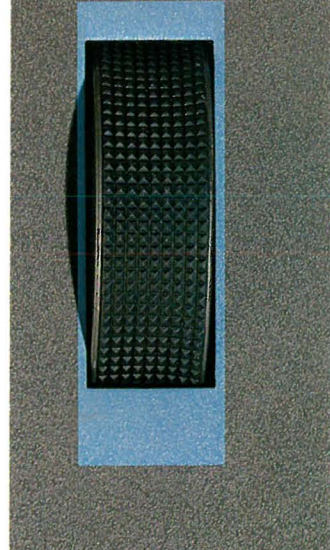
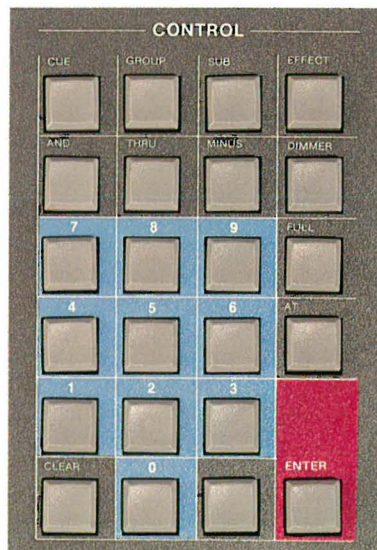
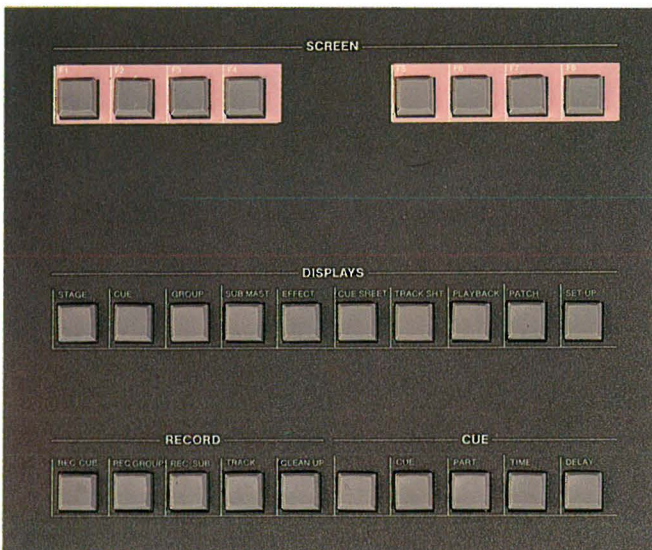
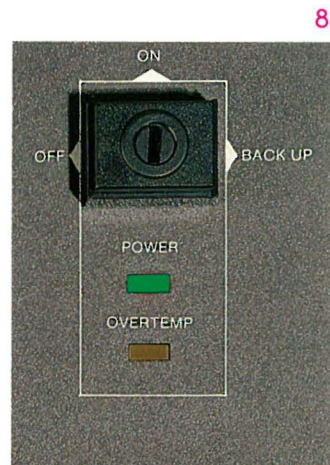
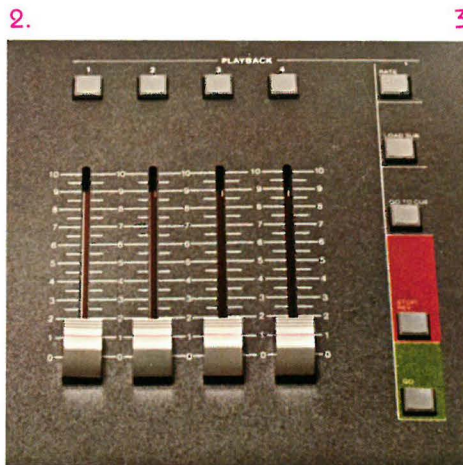
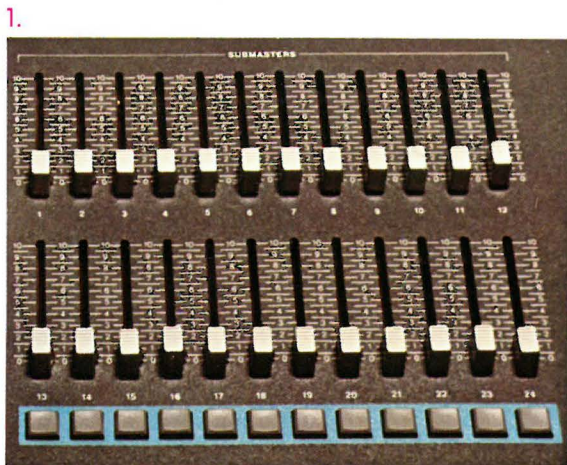
Printer - Catalog No. 168-324 - provides hard copy printout of all recorded data.



## Accessories:

A complete range of optional peripheral equipment is available:

Designer's Remote - Catalog No. 168-370 includes a Magic Sheet, Video Receiver and Color Monitor - provides the designer with the unique versatility of duplicate control functions at a convenient stage side location. A Magic Sheet by itself Catalog No. 168-326 is the lighting designer's easel. (Not illustrated)



1.

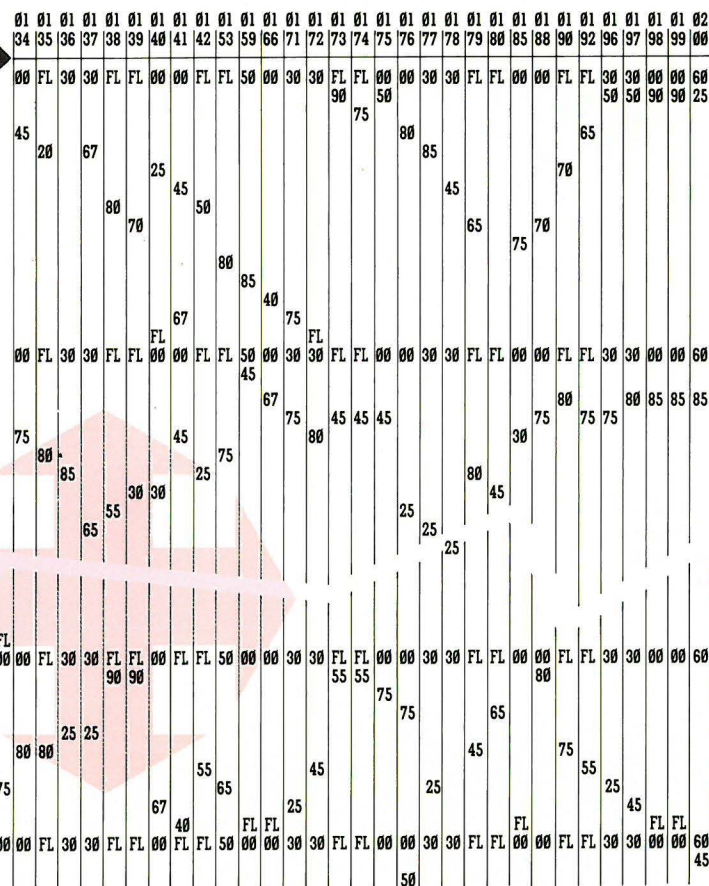
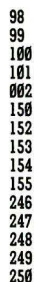
2.

3.

8.

5.

7.



	CUE	TIME	DELAY	FOLLOW	LINK	EFFECT
Q	1	10				
Q	1.5	P1 20				
		P2 MAN				2
Q	2	P1 20	1			
		P2 MAN				
Q	4	100				
Q	5	MAN				
Q	6	2				
Q	7	5			11	
Q	7.5	5				
Q	8	2		2		
Q	10	12				
Q	11	2				
>Q	12	MAN				
Q	20	2				
Q320		15			12	

CUE SHEET: CUE 12 TIME MAN ■

	EFFECT		RENAME CUE			COPY FROM CUE	DELETE CUE
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## SCREEN



"8 Keys Do The Work Of 80"

EFFECT 5:

STEP	TIME	LOW LEVEL	HIGH LEVEL	INSERT STEP	DELETE STEP	TEST	MORE...
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TRACK SHEET (TRACK): CUE 12 TIME MAN ■

TRACKING MODE	EFFECT		RENAME CUE	CHANNEL LIST	ALL CHANNELS	COPY FROM CUE	DELETE CUE
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The ten different displays can be accessed from the display keys ranging from stage through setup . . . stage, cue, group, submaster, effect, cue sheet, track sheet, playback, patch, and setup. Associated with each display are eight function keys whose use changes depending on the display visible in the CRT.

# Specifications

## PRESTIGE 2000C SPECIFICATION

### A. Description

The Control Console shall be a micro-processor based lighting control system, specifically designed and constructed for the control of theatrical and television dimming systems. The Control Console shall provide for the control of up to 400 dimmers on at least 200 channels. Up to 300 cues and groups may be recorded.

The Control Console shall not require the use of any peripheral device such as disk drive or cassette to function. The system operating program shall be stored in a programmable read-only-memory. In case of power failure, random access memory shall be retained by an automatic battery back-up power supply.

The Control System shall be engineered to provide clarity of operation, incorporating full color visual displays to inform the operator of his/her progress and mode of operation at all times.

The Control Console shall consist of a portable, **stylishly designed** console, approximately 37 inches long and 14 inches deep and one detached 12 inch color CRT with integral tilt and swivel bases. The CRT shall be detached to allow optimum placement by the user for viewing display information, and to allow adaptation to compact lighting booth environments.

The CRT shall have a high resolution, graphics quality color monitor with a minimum of 720 dots per line horizontal resolution and 400 lines vertical resolution.

A 3½ inch, industry standard disk drive shall be used for library storage utilizing environmentally protected, high reliability diskettes with hard plastic cases.

### B. Standard Features

The Control Console shall provide, but not be limited to, the following features:

1. One high resolution, fast refresh color CRT for display of and access to all channel level, cue sheet, patch, system setup, and command line information.
2. A group of ten keys for calling up various displays on the CRT.
3. A group of eight screen keys for access to up to eight different functions in each of the ten system displays and various sub-displays. These keys shall change function in each display to focus the user's attention on commands which are useful in that display, and to reduce congestion of the control surface.
4. A group of position keys for moving up, down, left, or right in various displays, paging up or down in a display, and accessing the next or last item in a display.
5. An expanded numeric keypad used to enter numeric information and to create channel, cue, group, submaster, and effect lists.
6. A continuous rotation wheel with non-slip rubber surface and high inertia core for setting levels and adjusting rates.
7. A cue keypad for writing or editing cues, cue parts, cue timing, and delays in the cue sheet.
8. A total of four timed faders shall be provided which may be operated manually.
9. A "GO" button for starting cues and a "Stop/Reverse" button for stopping active cues or stepping back one cue. A "Go to Cue" button for taking cues out of sequence.
10. Twenty-four pile-on, overlapping submasters for manual control of complete "stage looks." Cues, groups, and other submasters may be loaded into a submaster to create the desired levels.

11. Twelve bump buttons for instantaneous activation of submasters 13 through 24. Bump buttons may be disabled in "Setup."

### C. Operating Functions

#### STAGE, CUE, GROUP, SUBMASTER

1. The monitor shall provide a comprehensive display of 150 channel levels simultaneously.
2. A channel, cue, group, submaster, or effect list or any combination of these lists may be set digitally or on the wheel. Lists may be created using the "and," "thru" and "minus" commands.
3. All channel levels under control of the wheel may be adjusted proportionally even after they reach full.
4. From stage, all levels may be recorded in a cue, cue part, group or submaster.
5. The user may perform a Channel Check to verify patch and focus.
6. A selected dimmer may be placed under control of the wheel for identification purposes.
7. Cues may be recorded in any order. Up to nine cues may be inserted between any two numerically consecutive cues.
8. Each cue may contain up to four parts.
9. The following information may be specified for each cue or cue part:
  - a) Fade times up to 999 seconds in 0.1 second increments.
  - b) Delay times up to 999 seconds in 0.1 second increments.
  - c) Split face times and split delay times.
  - d) Manual fade times.
  - e) Special effects.
  - f) Automatic follow on of a subsequent cue in up to 999 seconds.
  - g) Out of sequence links.
10. Cues and cue timing information may be previewed and modified blind without affecting stage settings.
11. Levels from previous cues may be used to build following cues without respecifying these levels.
12. Any or all channels may be recorded into a group for proportional balancing, building cues or other groups, or loading into a submaster for pile-on, manual control.
13. Any channels, groups, cues or other submasters may be recorded into a submaster for pile-on, manual control.
14. The monitor shall provide a spread sheet-type display of seventeen cues or cue parts simultaneously, their fade and delay times, and the levels of eighteen channels for each cue or cue part.
15. The user may specify the channels to be displayed in the track sheet as all channels, a channel list, a group of channels, or the active channels in a cue.
16. The user may move through either the cue sheet or through the channel list in the track sheet with the position keys.
17. All level setting commands may be used to add or modify levels directly in the track sheet.
18. The entire show, including all cues, cue times and delays, and all channel levels shall be contained in one windowed display.

19. Direct Dimmer Control shall allow the user access to a dimmer at any time regardless of the dimmer's patch assignments.

#### EFFECTS

20. Special effects may be recorded which consist of a series of steps which repeat in any combination of the following patterns: negative, alternate, reverse, bounce, build, and random.
21. A different time may be specified for each effect step up to 99 seconds in 0.1 second increments.
22. A different high level may be specified for each effect step. A low level may be specified for all effect steps.

#### PLAYBACK

23. One button shall start an entire cue including cue parts and follow-on cues.
24. Any number of cues may be run simultaneously.
25. The Playback Monitor shall provide a display of the cue sheet, the cue currently on stage, the levels of submasters, the cues loaded on each fader, and remaining fade or delay time for each fader.
26. Any cue or cue part may be stopped, reversed, or converted to manual operation.
27. Cues may be played out of sequence in a specified time.
28. A channel or group of channels may be stopped and controlled manually on the wheel.

#### PATCH

29. An electronic patch shall be provided to allow each channel to control one or more dimmers.
30. The patch may be displayed "by channel" indicating the list of dimmers under control of each channel. Dimmers may be added or deleted.
31. The patch may also be displayed "by dimmer" indicating which channel controls each dimmer. Channels may be changed or deleted.

#### SETUP

32. A setup display shall allow the user to set and preview the number of channels and dimmers, preview the number of cues or groups remaining, enable or disable the optional Designer's Remote/Magic Sheet, Printer, Remote high resolution monochrome CRT, and Hand Held Remote, and enable or disable the bump buttons and submaster display.
33. "Record Disk," "Load Memory," and "Clear Memory" commands shall be provided.
34. A display for setting and previewing the levels of the twenty-four backup submasters shall be provided.
35. All major recording actions used with cues, groups, submasters, effects or patch shall be easily stored onto disk by use of a "soft" screen key while in stage mode.
36. An automatic diagnostic program shall test the computer, memory, and various peripheral devices and display any error conditions on the monitor during power-up.
37. A "Profile" feature shall allow the user to program twenty discrete dimmer profiles.

### D. Prestige 2000C Alternate (Prestige 2000)

One high resolution monochrome CRT with integral tilt and swivel base may be substituted for the color CRT.

Specifications subject to change without notice.

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