

**TEAC**<sup>®</sup>

## DUAL AUTOREVERSE CASSETTE DECK



**PITCH CONTROL**

**Dual Autoreverse Cassette Deck**  
**Continuous Dual Deck Play**

**Rack Mounting Rack Kit PRM860**

**PW790R**

**PW790R**

**REV 1.0**

**Form NT 232**

### General Information

- Autoreverse and Repeat Playback on Both Decks
- Autoreverse Bi-Directional Recording on Deck 2
- Dolby\* B and C Noise Reduction and HX Pro on Deck 2
- Multifunction Remote Capable with Optional Control
- Dual Digital Electronic Tape Index Counter
- Automatic Tape Bias Selector on Deck 1 and 2
- Large Knob Record Level Control for Deck 2
- Normal and High Speed Dubbing Capability
- Synchronous Reverse Dubbing
- Variable Speed (playback) with Pitch Control  $\pm 10\%$
- Recording Muting function
- Automatic Blank Spacing During Recording
- CPS Computomatic PGM Search
- INTRO CHECK Function
- Full Automatic Stop Capability
- Optional Rack Mounting

### **↔ PITCH CONTROL**

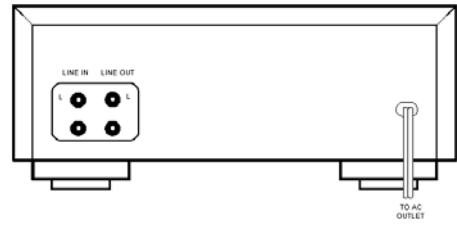
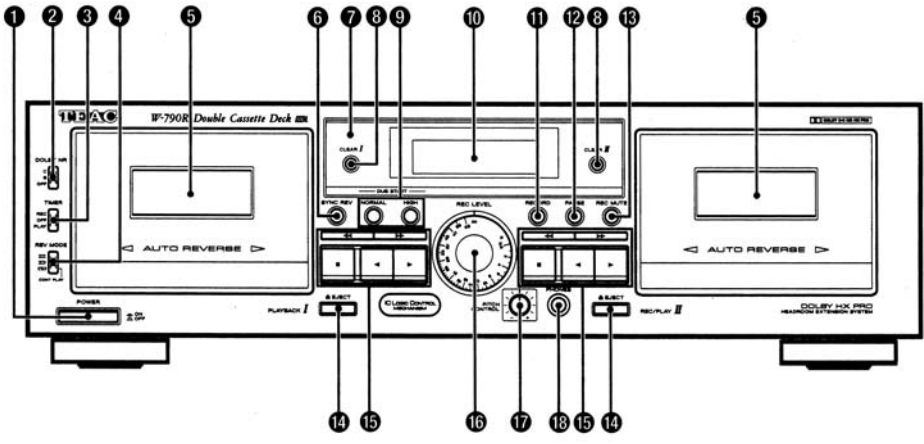
- Environmental Music Systems
- Background Music Systems
- Continuous 2 Cassette Playing

\*Dolby is a Trademark of Dolby Laboratories Licensing Corporation

### Specifications

<b>Track System:</b>	4 Track, 2 Channel Stereo
<b>Frequency Response:</b>	
<b>Metal Tape</b>	25 - 20,000 Hz
<b>Chrome Tape</b>	25 - 19,000 Hz
<b>Normal Tape</b>	25 - 18,000 Hz
<b>Signal to Noise Ratio:</b>	
<b>3% THD Level</b>	58 db NR Off (Weighted)
<b>over 5 KHz</b>	69 db Dolby* B NR
<b>over 1 KHz</b>	79 db Dolby* C NR
<b>Line Input:</b>	100 Mv at 50 K ohm
<b>Output Level:</b>	460 Mv at 50 K ohm
<b>Heads:</b>	
<b>Deck 1</b>	Rotary Playback
<b>Deck 2</b>	Rotary Record/Play, Erase
<b>Tape Speed:</b>	4.76 cm/sec, 17/8 IPS
<b>Hi-Speed Dubbing</b>	9.5 cm/sec, 3-3/4 IPS
<b>Speed Pitch Control:</b>	Variable $\pm 10\%$ Deck 1 Only
<b>Motors:</b>	Two DC Servo Controlled
<b>Wow and Flutter:</b>	0.09% WRMS
<b>Timer</b>	Record - Play
<b>Power Requirement:</b>	120 Volt - 60 Hz (or 230V, 50Hz)
<b>Power Consumption:</b>	16 Watt
<b>Terminations:</b>	RCA Standard Jacks
<b>Housing Finish:</b>	Matte Black
<b>Dimensions:</b>	17 1/8" W., 5 3/4" H., 11 3/4" D. (435 X 145 X 297 mm)
<b>Net Weight:</b>	9 Lbs, (3.9 Kg)
<b>Optional Accessories:</b>	
<b>Rack Mounting Kit:</b>	Model PRM860 Rack Kit (3U)
<b>Remote Control:</b>	Model PRC 544 Infrared

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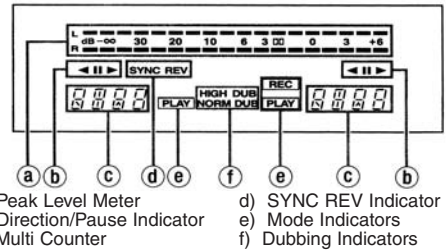


Front Panel Controls

Rear Panel

- |                                  |  |
|----------------------------------|--|
| 1) Power Switch                  | 12) PAUSE Button   |
| 2) DOLBY NR Select Switch        | 13) REC (Record) MUTE Button   |
| 3) Timer Record or Play Switch   | 14) EJECT Button   |
| 4) REV (Reverse) MODE Switch     | 15) Tape Operation Buttons << Rewind/CPS Button STOP Button < Reverse PLAY Button > Forward Play Button >> Fast Forward/CPS Button |
| 5) Cassette Holder               | 16) REC (Record) LEVEL Control   |
| 6) SYNC REV Reverse Button       | 17) Speed Pitch Control  |
| 7) Infrared Remote Sensor        | 18) PHONES Jack  |
| 8) COUNTER CLEAR Button          |  |
| 9) DUB Dubbing Start Buttons     |  |
| 10) Display Window (see display) |  |
| 11) RECORD Button(Deck 2 only)   |  |

Display

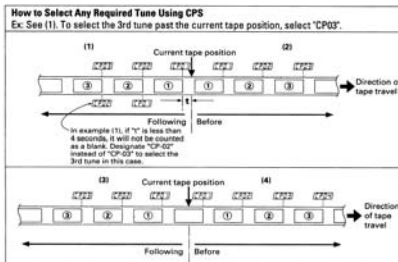


Special Functions

TAPE TRAVEL AND AUTOREVERSE MODE SWITCH

Setting	Tape Travel
↔	<p><b>Tape Travel Depending on Setting of REV MODE Switch</b></p> <p>When the tape reaches the end, playback or recording is released.</p>
↺	<p>① During forward play or recording, when the end of tape is reached, the direction of tape running is reversed to play or record in the opposite direction. Reverse play or recording will continue to the end of the other side, at which point play or recording is released.</p> <p>② During reverse play or recording, when the tape reaches the end, play or recording is released.</p>
↻	<p><b>PLAY mode (Tapes loaded in TAPE I or II)</b></p> <p>During either forward or reverse play, when the end of tape is reached, the direction of tape running is reversed and play continues in the opposite direction. In this way, the two sides of the tape are played back continuously; the tape will stop after 5 cycles.</p>
↻	<p><b>PLAY mode (Tapes loaded in TAPE I and II)</b></p> <p>— CONT PLAY (Continuous Playback) — Refer to "Continuous Playback Operation" chart on page 8.</p>
	<p><b>RECORD mode (TAPE II only)</b></p> <p>• Operation is same as ↻.</p>

CPS - Computomatic Program Search



CPS (Computomatic Program Search) Function

CPS allows the selection and playback of any tune up to 20 tunes ahead or before the one being played. This function operates by detecting blank spaces of at least 4 seconds between tunes. These blanks can be created using the REC MUTE function.

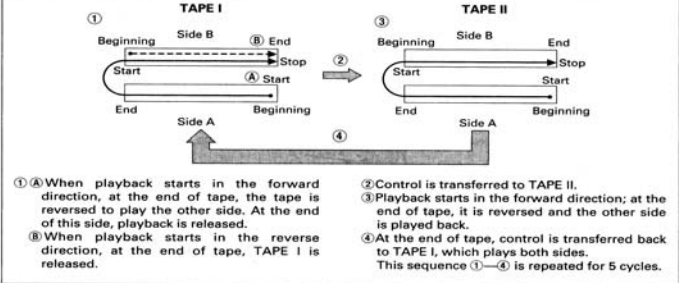
**Notes on CPS**

CPS operates by detecting and counting blanks of about 4 seconds, the standard interval between tunes. Therefore, with the following types of tapes, search functions may not work correctly.

- When the intervals between tunes cannot be detected.
  - Intervals of less than 4 seconds.
  - High levels of noise in intervals.
  - Long low level sections (in classical music, etc.)

This problem can be corrected using the REC MUTE function.

Continuous Playback Operation



since 1931

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