



322

Technical Documentation

## PRODUCT OVERVIEW

The TASCAM 322 is designed to offer the simplicity of a standard dual cassette deck, yet the sophistication for the most demanding A/V installation. Optical leader sensing allows the deck to minimize the play or record time lost in reversing tape direction.



The two tape decks can operate independently with their own audio I/O or they can work together for dual recording of a single master. Built-in cascade out and transport logic also allows multiple machines to be used in duplication rigs or logging set-ups. The 322 comes equipped with an RS-232 control port for use with advanced control systems, and optional slot for the LA-322 Balancing Kit.

**MSRP \$ 649.00**

3-U Rack-mountable

10% +/- Pitch Control each deck

Headphone Output with Level Control

RTZ (Return to Zero) Function on Each Deck

Common I/O Mode for saving inputs on mixer

Independent Unbalanced RCA I/O for each deck

Auto Music Search Function (CPS)

Dolby B and C with HX Pro Headroom Extension

Optical Leader Sensing for Quick Auto Reverse.

Both Decks Record Capable for Simultaneous Masters

Normal and High Speed Dubbing Capability

RC-322A Wired Remote Standard

RS-232 Control Port

Optional WR-7000 Cascade Cables

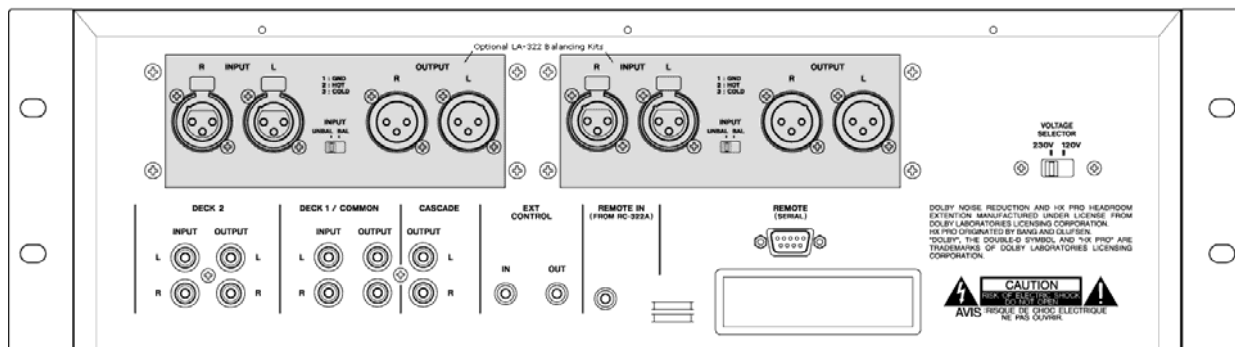
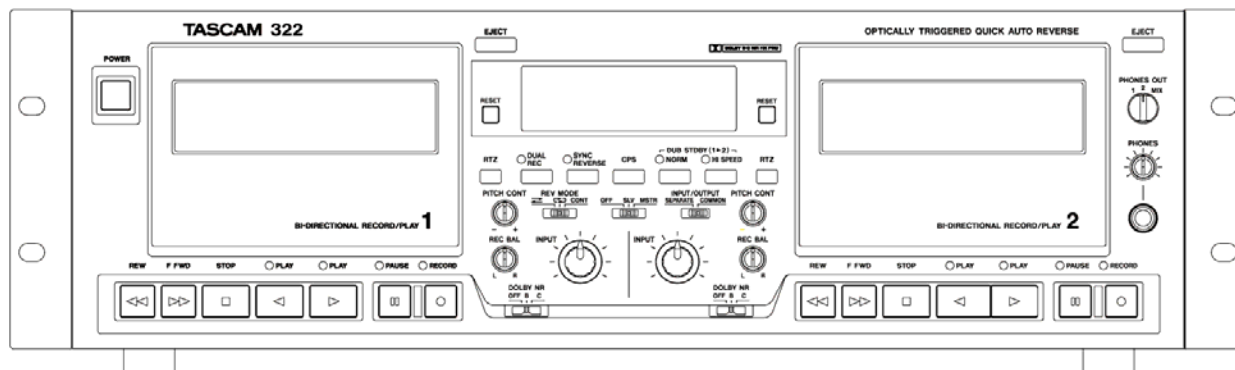
Optional LA-322 Balancing Kit

## CONSULTANT'S AND SYSTEM DESIGN SPECIFICATIONS

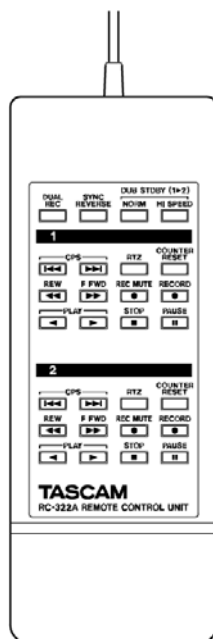
The Tascam 322 is a 3U rack-mountable dual cassette deck equipped with optical leader sensing. The dual decks operate independently or simultaneously and have built in cascade out and transport logic. Each cassette well on the 322 provides Dolby B & C with HX Pro Headroom Extension, Auto Music Search Function (CPS), RTZ Function, 10% +/- Pitch Control, rear panel unbalanced (RCA) I/O, and share a Headphone output w/level control. The unit is equipped with RS-232 control port and a wired remote.

Optional Accessories for the 322 are WE-7000 Cascade Cables and LA-322 Balancing Kit.

# PANELS



# SPECIFICATIONS



### Performance Specifications

- Track System: 4 track, 2 channel stereo
- Heads (per deck): (1) Erase, (1) Record/Reproduce
- Type of Tape: Cassette C-30/60/90, Normal, CrO2,
- Tape Speed: 1 7/8 ips, 4.76 cm/sec  
3 3/4 ips, 9.52 cm/sec (high speeddub)
- Pitch Control: Approx ± 10%
- Fast Wind Time: Approximately 120 seconds for C60
- Frequency Response: 63Hz-18kHz ± 3dB Metal  
63Hz-16kHz ± 3dB CrO2  
63Hz-16kHz ± 3dB Normal
- Signal to Noise Ratio: >79dB Dolby C, CCIR ARM  
>69dB Dolby B, CCIR ARM  
>59dB Dolby off, 3% THD, Weighted
- Wow and Flutter: <0.15% (WRMS)
- Distortion: <2.5%, 1kHz, 160nWb/m (Metal)
- Line RCA Inputs: -10dBV, 0.3V, 24kOhms
- Line RCA Outputs: -5dBu, 0.6V, 1.5kOhms
- Cascade Output: -10 dBV (0.3V), 100 Ohms
- Headphone TRS Output: 7mW/side, 32 Ohms

### General Specifications:

- Power Requirements: 120-230V AC, 50-60Hz switchable  
(US/Canada/General Export Model)  
230V AC, 50Hz (Europe Model)  
240V AC, 50Hz (Australia)
- Power Consumption: 33W
- Dimensions: 483 x 140 x 323.9 mm  
19" x 5.5" x 12.8"
- Weight: 7.8Kg, 17.19 lbs
- Standard Accessories: RC-322A Wired Remote
- Optional Accessories: LA-322 Balancing Kit (322 only)