

## PRODUCT OVERVIEW

TASCAM's Model 130 cassette deck is the best value for mixdown applications. The 130's three head design places the play head after the record head, so you can monitor the sound from tape during mixdown, rather than just listen to the audio being sent to the recorder. Of course, with high sonic performance, detailed metering, and complete list of noise reduction options, it's no wonder the 130 is popular with users of all levels.



- 3-U Rack Mountable Cassette Deck
- Three Head Design Offering Confidence Monitoring
- Dolby B and C with HX Pro Headroom Extension
- ±10% Pitch Control with Clear On/Off Switch
- Headphone Output with Level Control
- Return To Zero Function
- Unbalanced RCA Analog I/O
- Precision Digital Level Meters
- Auto Tape Selection
- MPX Filter

## APPLICATIONS

The 130's three head design is key in mixdown situations. In a typical cassette deck, there are only two heads. The erase head erases any signal previously recorded to the tape, and the other head switches between record or playback. So, when you are recording, you only know what is being sent to the cassette recorder.

A three head cassette deck has independent heads for record and play, so the signal can be recorded with one head, and played back from the play head during the recording process. This allows you to listen to what is going onto the cassette while recording. Listening to the tape as you record lets you know instantly if the tape is overloading, or if there are bad sections on the tape. No longer will you have to wait until the whole tape is done to know if the tape is OK!

Also, if any recordings of radio broadcasts are to be done, the MPX Filter is invaluable. FM broadcasts actually carry program material that can interfere and possibly totally defeat Dolby noise reduction circuits from being effective. The MPX Filter targets and removes these frequencies from the content to be recorded without creating any audible artifacts.

### Home and Project Studio Mixdown Deck

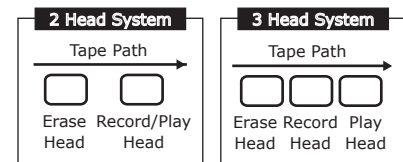
Mixdown is the obvious application for the 130. Confidence monitoring afforded by the three head design, combined with the outstanding sonic performance make the 130 the best value for cassette recorders.

### Music Education Installations

For band, choir, drama, and dance programs that need to make high quality rehearsal and show tapes, the 130 is unbeatable. Often times, users in this application do not have any formal training in audio recording, and the simple operation of the 130 limits the possibilities of the wrong button being engaged. Plus, the pitch control offers the ability to make anything from minor adjustments to pitch, or drastic tempo adjustments easily.

## THREE HEAD DIAGRAM

As explained in the Applications Section of this document, the typical cassette recorder only has two heads, with one head doubling



as play and record. When you monitor a two head tape deck during record, all you hear is what you are sending it. In a three head design, the play head is totally independent of the record head, allowing you to listen to the sound from tape.

## SPECIFICATIONS

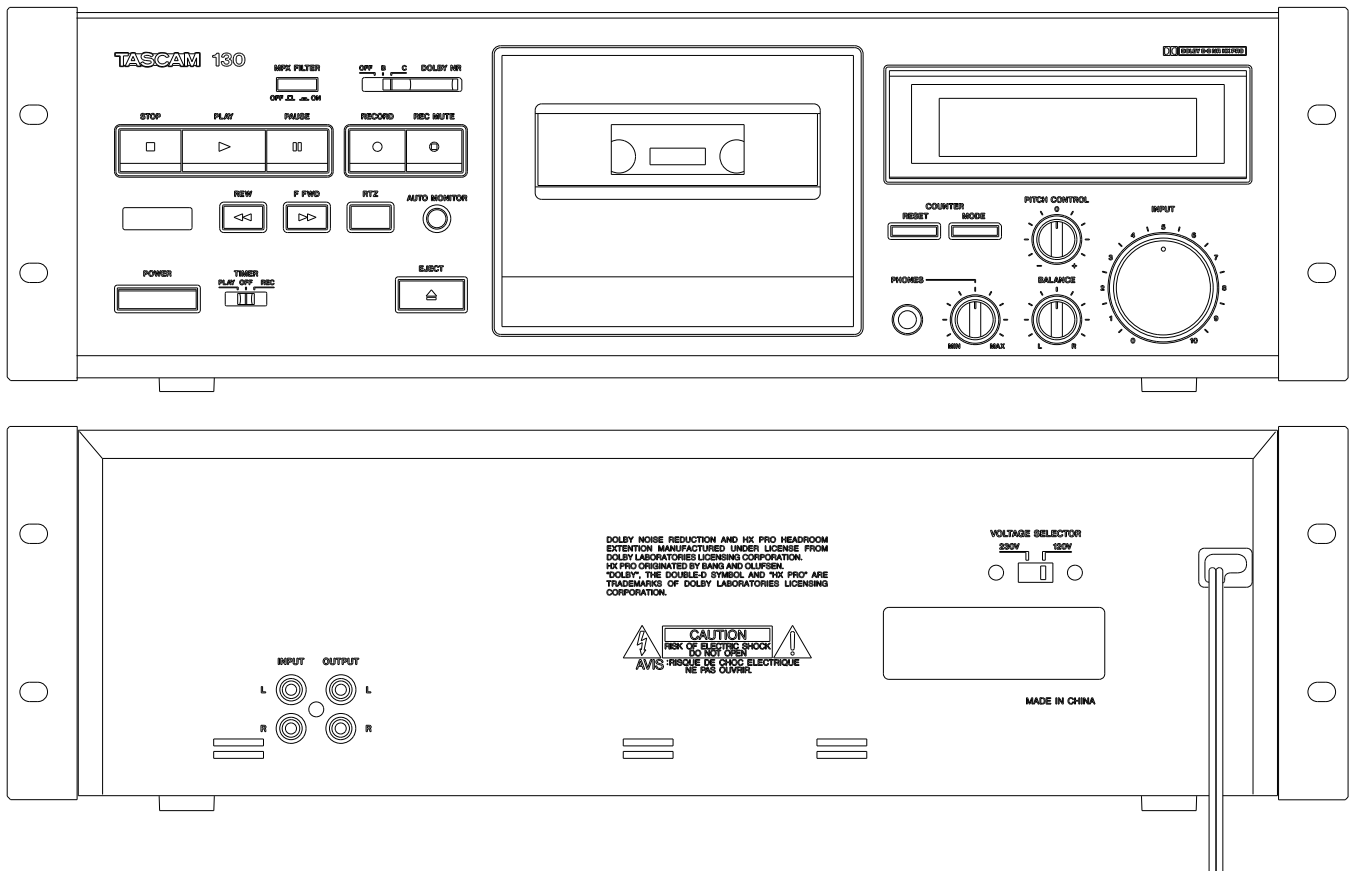
### Performance Specifications:

Track System:	4 track, 2 channel stereo
Heads:	(1) Erase, (1) Record, (1) Reproduce
Type of Tape:	Cassette C-60, C-90
Tape Speed:	1 7/8 ips, 4.76 cm/sec
Fast Wind Time:	Approximately 90 seconds for C60
Pitch Control:	Approx ±10%
Motors:	1 DC servo motor for capstan 1 DC reel motor
Frequency Response:	15Hz-21kHz ±3dB Metal 15Hz-20kHz ±3dB CrO2 15Hz-18kHz ±3dB Normal
Signal to Noise Ratio:	>80dB Dolby C, CCIR-ARM >70dB Dolby B, CCIR-ARM >58dB Dolby off, at reference level
Wow and Flutter:	<0.04% (W RMS)
Line RCA Input:	-10dBu, 97mV, 50k Ohms
Line RCA Output :	-10dBu, .58hV, <50k Ohms
Headphone Output:	1mW, 8 Ohms

### General Specifications:

Power Requirements:	Switchable: 120V AC, 60Hz (US/Canada Model) 230V AC, 50Hz (Europe Model)
Power Consumption:	15W
Dimensions:	482 x 132 x 290 mm 19" x 5 1/4" x 11.4"
Weight:	5.0Kg, 11.02 lbs.

**FRONT AND BACK PANEL**



**ARCHITECT'S SPECIFICATIONS**

The cassette player/recorder shall utilize a three head cassette mechanism, using separate heads for erase, record, and reproduce.

Inputs and outputs shall be provided on unbalanced RCA connectors on the rear panel. The input level shall be controlled by a single stereo input level control, aided by a separate balance control. Headphone output with level control shall be provided on the front panel.

Monitor selection switch shall be provided on the front panel for selection between input monitor mode and automatic monitor mode. Dolby™ B and C noise reduction shall be implemented and switched from the front panel. An MPX filter shall be switchable from the front panel.

A pitch control will provide approximately ±10% range of pitch control.

A digital counter shall be used to display tape location. The cassette deck shall have a dedicated button to access the RTZ (Return to Zero) function.

The cassette deck shall mount in a standard 19" rack mount form, using three standard rack spaces. The cassette mechanism shall have dimensions of 19" x 5 1/4" x 11.4" (W x H x D).

*Metric measurements : 482 x 132 x 356mm (W x H x D).*

**The cassette recorder shall be a TASCAM 130.**

*NOTE: This text is available in a standard text file on TASCAM's Sound Contractor CD-ROM. Contact TASCAM for details.*

The 130 is available at: \_\_\_\_\_