

PRODUCT OVERVIEW

TASCAM's 302 is an advanced dual well cassette deck designed for users that need high quality recording, duplication, and a wealth of playback features. The 302 can act as two totally independent cassette decks with separate I/O for each deck, or it can switch to an input saving common I/O mode for creating two identical masters at the same time. Independent pitch control, counters, and return to zero function make this perfect for musicians, DJs and dancers as a mixdown or duplication deck.



- 3-U Rack Mountable Advanced Dual Cassette Deck
- Both Decks Record Capable for Simultaneous Masters
- Independent Unbalanced RCA I/O For Each Deck
- Common I/O Mode for Saving Inputs On Mixer
- RTZ (Return to Zero) Function on Each Deck
- $\pm 10\%$ Pitch Control Independent for Each Deck
- Headphone Output With Level Control
- Cascade Mode for Multiple 302 Duplication Chain
- Dolby B and C with HX Pro Headroom Extension
- Normal and High Speed Dubbing Capability
- Auto Music Search Function (CPS)
- Auto Tape Selection
- Optional RC-302 Wired Remote
- Optional WR-7000 Cascade Cables

APPLICATIONS

The 302 is designed for regular use and versatility, combining a feature rich cassette recorder/player with extended duplication capabilities.

Home or Project Studio

In the home and project studios, each device ends up serving more than one application. The 302 cassette deck offers the ability to create two masters at once, generating more reference mixes faster for listening in the car or in the living room. A return to zero function helps users who are trying to put more mixes on a single tape by locating to the beginning of the tune on cue.

As with most dual well cassette decks, the 302 can provide real time copies for high quality duplication or 2x duplication for rehearsal tapes or quick dubs. Unlike most of its competitors, multiple 302s can be combined to create a duplication rack. Ports on the back are provided for transport control and audio cascading.

Music Educators - Dance Instructors - Health Clubs

Band, Choir, Theater and Dance programs often need to be able to make copies of rehearsal tapes for their performers to practice with. The 302 makes these quick and painless. The $\pm 10\%$ pitch control on the front panel can help nudge an out of tune track into tune with a musician, or totally change the tempo for dancers and aerobic workouts.

House of Worship

Many houses of worship are making recordings of their services for members who could not attend. The 302 is an ideal product for this market, offering the ability to serve as a cassette player and master recorder simultaneously. (Music could be played from one well while the recording is made on the other.)

The ability to cascade a couple of 302s for duplication comes in hand, too. One machine could be used in the main gathering area, and another machine was used with a more portable system. These two units could be brought together for duplication.

Live Theater

Since the two wells of the 302 can work independently, one well could be used for cueing a tape while the other well is playing. Also, the ability to make high quality back-ups of show cues is incredibly handy.

SPECIFICATIONS

Performance Specifications:

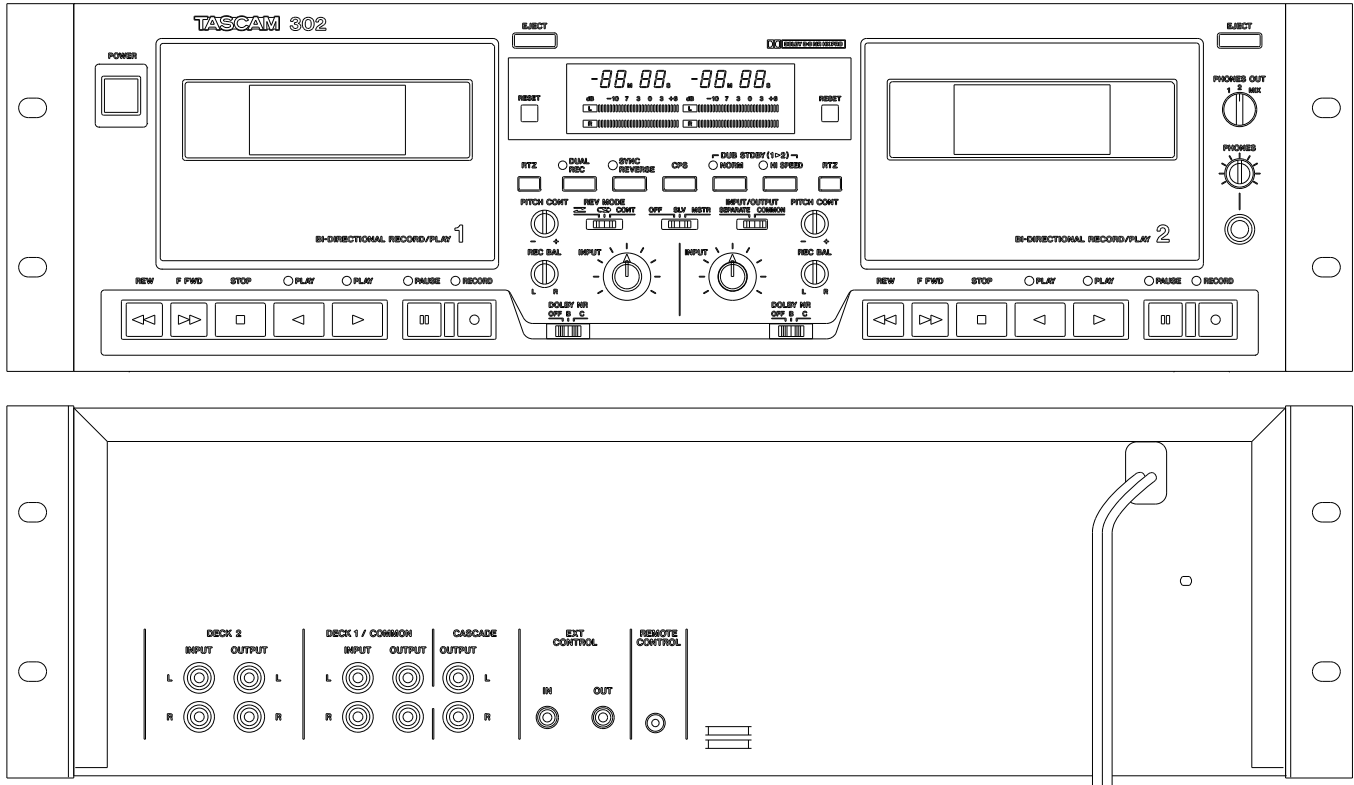
Track System:	4 track, 2 channel stereo
Heads (per deck):	(1) Erase, (1) Record/Reproduce
Type of Tape:	Cassette C-60, C-90
Tape Speed:	1 7/8 ips, 4.76 cm/sec 3 3/4 ips, 9.52 cm/sec (high speed dub)
Fast Wind Time:	Approximately 120 seconds for C60
Frequency Response:	40Hz-18kHz ± 3 dB Metal 40Hz-16kHz ± 3 dB CrO2 40Hz-16kHz ± 3 dB Normal
Signal to Noise Ratio:	>79dB Dolby C, CCIR ARM >69dB Dolby B, CCIR ARM >59dB Dolby off, 3% THD, Weighted
Wow and Flutter:	<0.06% (WRMS)
Line RCA Inputs:	-10dBV, 316mV, 36kOhms
Line RCA Outputs:	-5dBu, 562mV, 1.5kOhms
Cascade Output:	-8.2 dBV (389mV), 100 Ohms
Headphone Output:	15mW maximum, 32 Ohms

General Specifications:

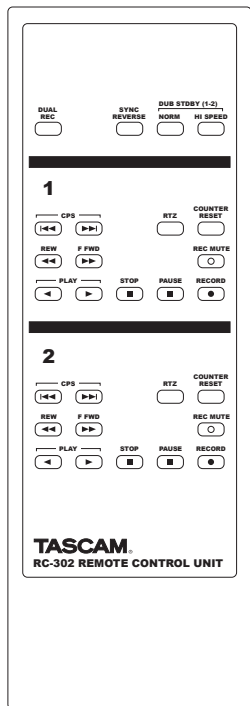
Power Requirements:	120 / 230V AC, 60 / 50Hz switchable (US/Canada/General Export Model) 230V AC, 50Hz (Europe Model) 240V AC, 50Hz (Australia)
Power Consumption:	30W
Dimensions:	483 x 140 x 323.9 mm 19" x 5.5" x 12.8"
Weight:	7Kg, 15 7/16 lbs

The 302 is available at:

FRONT AND BACK PANEL



OPTIONAL REMOTE ARCHITECT'S SPECIFICATIONS



The cassette player/recorder shall be a dual cassette deck, offering the ability to record on both wells of the deck.

Independent inputs and outputs shall be provided for each deck 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. The inputs and outputs of the two decks shall have a common mode, allowing both decks to use the same inputs and outputs should the user choose to do so. Headphone output shall be provided on the front panel.

Pitch control shall be provided to $\pm 10\%$, and shall be controlled independently on each deck.

Each deck shall offer independent level meters, and a digital counter which can display tape time in minutes and seconds. A separate counter reset button shall be offered for each deck, and a return to zero function shall locate to the zero time indication.

Dolby™ B and C noise reduction and Dolby HX Pro head-room extension shall be implemented. Noise reduction method shall be switched from the front panel.

The dual well cassette deck shall offer normal speed and high speed (2x) dubbing capabilities. Additionally, multiple like machines shall be linkable with dedicated transport control and cascade output ports.

The dual 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 5.5" x 12.8" (W x H x D).

Metric measurements : 483 x 140 x 324mm (W x H x D).

The dual cassette deck shall be a TASCAM 302.

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