

## PRODUCT OVERVIEW

TASCAM's CD-A630 combines the two most popular consumer media formats into one box. The CD player and cassette deck can act as separate components, or take advantage of the combination with direct dubbing, long play capabilities, and an input-saving cascade output mode. RCA audio I/O and a wireless remote are included for basic applications; an optical SPDIF output and parallel remotes and tallies are available for advanced installations.



- Integrated 3 tray CD Player & Reversible Cassette Deck
- 3-U Rack Mount Design
- $\pm 12\%$  Pitch Control on CD Player and Cassette Deck
- Return To Zero Function on Cassette Deck
- Wireless Remote Control Included
- Headphone Output with Level Control
- Continuous Play function between Cassette & CD
- Program Play and Shuffle Play Modes
- Dolby B Noise Reduction on Cassette Mechanism
- Unbalanced RCA Analog I/O
- SPDIF Optical Digital Output from CD Player
- Control I/O for Custom Remotes & Tallies

## APPLICATIONS

The CD-A630 is designed to be affordable, easy to use, and reliable.

### Mobile Users - Live Production - Rehearsal Halls

The dual function, compact design will appeal to anyone who needs to change locations on a regular basis, or who has limited space to fit their gear into. Plus, the ability to cascade the CD and cassette can save inputs on a mixer when you need it most.

### Lecture Halls - Board Rooms - School PA

There are many situations where the person who needs to operate the equipment has little or no official training. The key in this situation is to keep the operation of the unit straight forward. The CD-A630 is ideal for these situations.

### DJs - Dance Studios - Health Clubs

Anyone involved in dance or aerobic workouts knows the value of pitch control. The CD-A630 offers independent pitch control for the CD player and cassette deck. Pitch control can make the difference between having the tempo drag a bit and having the right punch. This is also great for transferring pitch adjusted CDs to tape for later performance where the owners aren't fortunate enough to have this.

The CD-A630 is available at:



## SPECIFICATIONS

### CD Player Section:

Frequency Response: 20Hz-20kHz  $\pm 1$ dB  
 Signal to Noise Ratio: >90dB (WTD)  
 Total Harmonic Distortion: <0.02% (1kHz)  
 Wow and Flutter: Unmeasurable (Quartz Accuracy)  
 Channel Separation: >70dB  
 Pitch Control: Approx  $\pm 12\%$   
 Output RCA: +6dBV (-2Vrms)  
 Digital Output: SPDIF (Optical)  
 Digital Filter: 8-times oversampling

### Cassette Section:

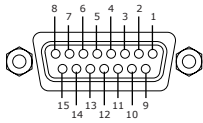
Track System: 4 track, 2 channel stereo  
 Record/playback (Rotary Reverse)  
 Erase  
 Type of Tape: Cassette C-60, C-90  
 Tape Speed: 1 7/8 ips, 4.76 cm/sec  
 Pitch Control: Approx  $\pm 12\%$   
 Motor: DC Servo Motor  
 Frequency Response: 63Hz-15kHz  $\pm 3$ dB CrO2  
 63Hz-14kHz  $\pm 3$ dB Normal  
 Signal to Noise Ratio: >57dB Dolby off, 3% THD wtd  
 >66dB Dolby on, over 5kHz  
 Wow and Flutter: <0.08% (W RMS)  
 Fast Winding Time: Approx 120 sec, C-60  
 Input RCA: -10dBu, 50kOhms  
 Line Output RCA: -4.5dBu, 50kOhms  
 Headphone Output: 5mW, 32 Ohms

### General:

Power Requirements: 120/230V AC, 50-60Hz (US/Export)  
 230V AC, 50Hz (Europe Model)  
 Power Consumption: 18W  
 Dimensions: 483 x 133 x 270 mm  
 19" x 5 1/4" x 10 5/8"  
 Weight: 6.7Kg, 14.7 lbs.  
 Standard Accessories: Wireless Remote (RC-A630)  
 2 x AA batteries

### CONTROL I/O

#### Control I/O Legend



Pin	Component & Signal
1	Cassette Pause
2	Cassette Reverse Play
3	Cassette Forward Play
4	CD Track Decrement
5	CD Track Increment
6	CD Stop
7	CD Ready
8	Common Ground
9	Cassette Stop
10	Cassette Fast Forward
11	Cassette Rewind
12	Cassette Play Tally
13	CD Play Tally
14	+5V
15	CD Play (Event Start)

#### Parallel Control Notes:

Commands are active when brought to ground for 100 msec or longer.

Tally outputs are open collectors that indicate the associated function when the pin is brought to ground. 15V, 80mA current.

Maximum current supplied to CD-A630 control port is 50mA, at a maximum of 15V.

### ARCHITECT'S SPECIFICATIONS

The CD player and cassette deck shall be combined into a single unit that can mount in three standard 19" rack spaces in height. The CD player shall be a 3-tray CD player with a power-tray loading mechanism. The cassette deck shall be a two head bi-directional player and reorder.

The CD player shall offer automated play modes, including Program Play and Shuffle Play, and shall also be capable of continuous play of one track, or all tracks.

The CD player and cassette mechanism shall offer the ability to record directly from the CD to the cassette. For increased dynamic range during recording, the cassette mechanism shall utilize a switchable Dolby B noise reduction circuit.

The cassette mechanism shall offer a counter reset and a return to zero function.

Pitch control shall be provided on the cassette deck and CD player with a  $\pm 12\%$  range, adjustable from the front panel.

The CD player shall offer independent unbalanced RCA connectors for analog output, and TOSLINK optical digital output. Additional line outputs for cascaded output of the CD player and cassette deck shall be provided on unbalanced RCA connectors. Line input for the cassette deck shall be provided on unbalanced RCA connectors.

The combo unit shall have a timer play function that engages the CD mechanism to play when the machine is powered on.

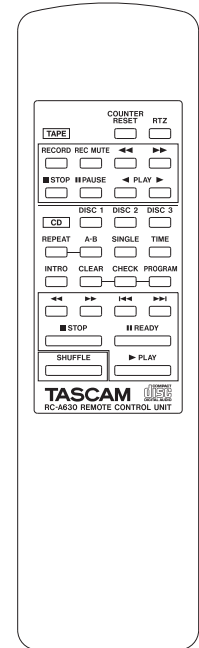
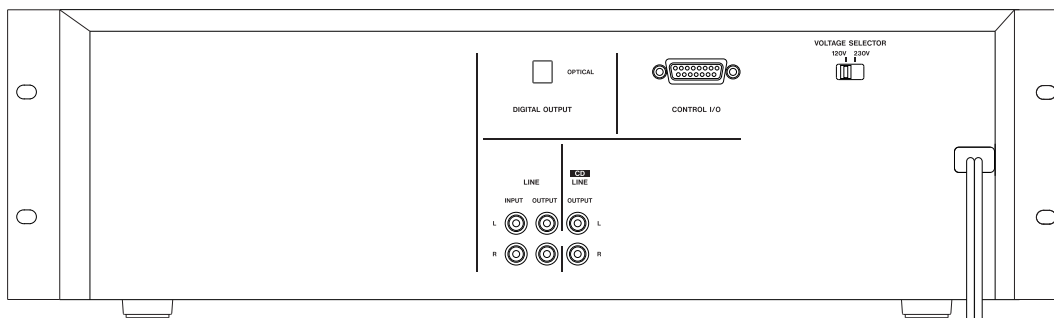
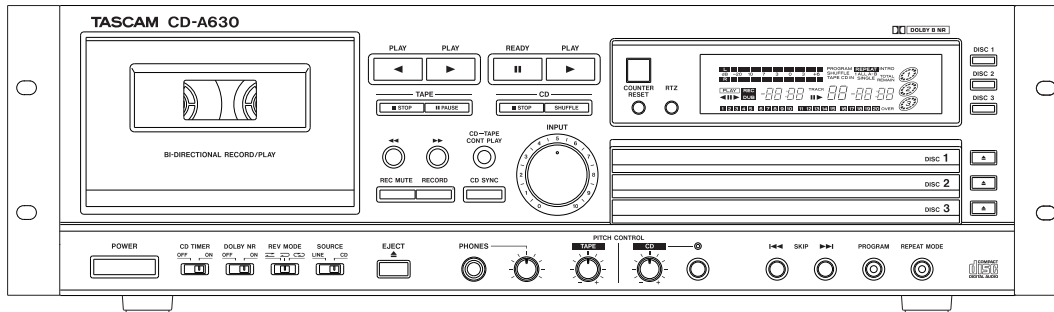
The CD player and cassette deck combo unit shall be controllable with a TASCAM RC-A630 wireless remote. Additional control may be accessed through a DB15 parallel port. Dimensions of the combo unit shall be 19" x 5 1/4" x 10 5/8" (W x H x D).

*Metric measurements: 483x133x270mm.*

**The CD player and cassette deck unit shall be a TASCAM CD-A630.**

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

### PANELS AND REMOTE



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