

YAMAHA TC800

Versatile stereo cassette deck with less than 0.06% wow & flutter, pitch control, memory rewind and radical new design.



Superb new styling, professional-level performance

The Yamaha TC-800 is first of all a high-performance cassette deck. Wow & flutter is less than 0.06% (wrms), complemented by three-way bias and equalizer switching to make the most of any type of tape: chrome, FeCr or regular.

The cabinet is a creation of famed Italian designer Mario Bellini. Expanded sliders provide quick visual checks of control settings and smooth, precise adjustment. Pushbutton switches and cassette mechanism keys respond with sure, positive feel.

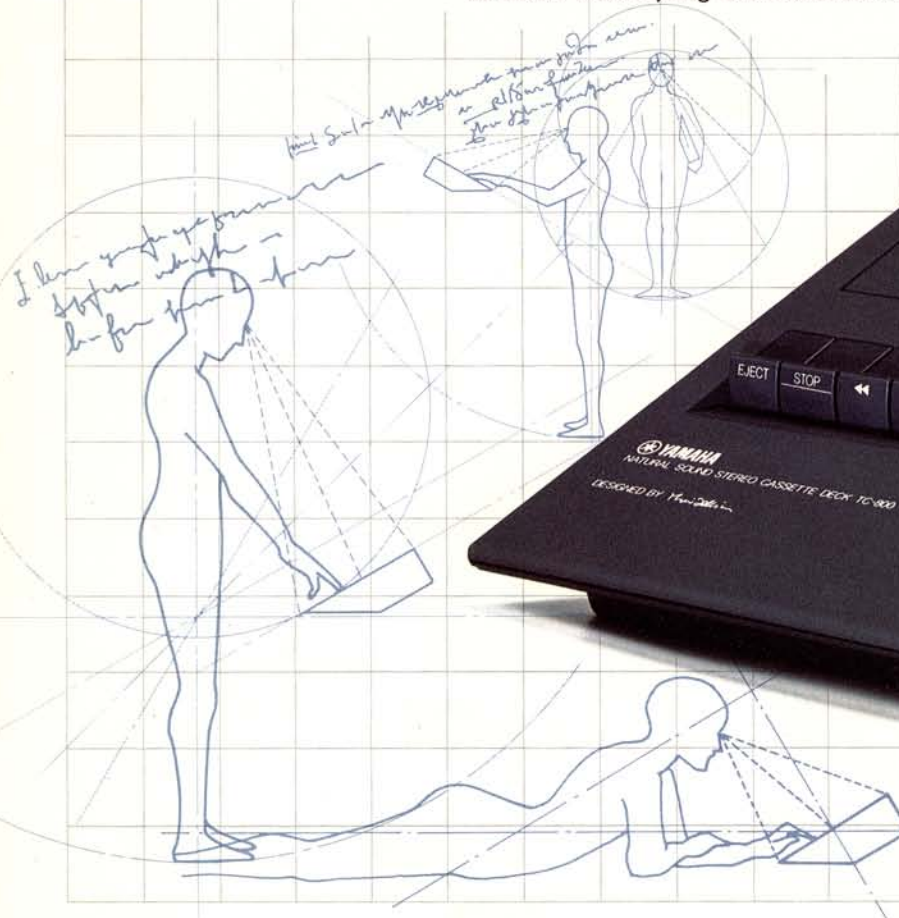
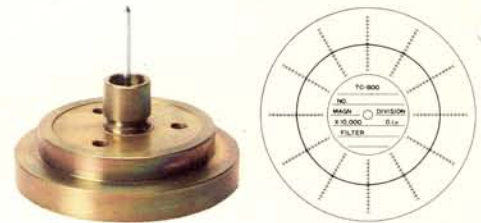
And in spite of its sleek lines and compact styling, the TC-800 features full recording and playback convenience. Placed flat or tilted up on its fold-out support, the TC-800 controls are visible and accessible from any operator position: standing, sitting or reclining.

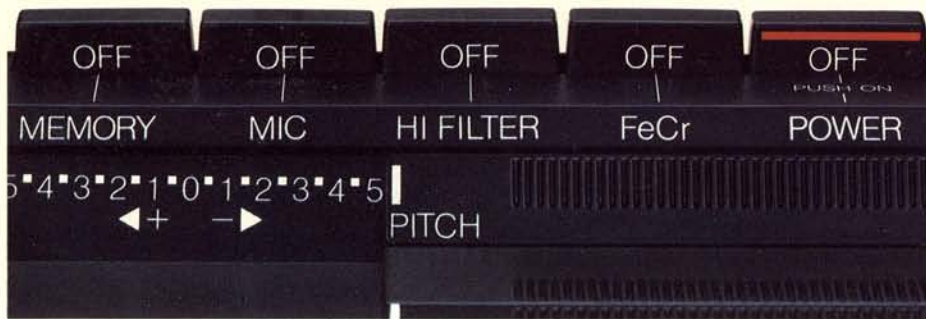
The design represents an exciting new idea in audio unit styling and convenience.

Performance Plus

Boasting a massive, dynamically balanced flywheel, the TC-800 drive mechanism is a study in precision. Capstan formation (roundness and surface evenness), supremely important to tape speed accuracy, is controlled to tolerances as strict as 1μ —twice as stringent as other manufacturers' standards. Capstan clearance and angle are just as closely regulated. The whole system is powered by an ultra-stable DC servo motor.

This results in not only superb wow & flutter figures, but also an outstanding 58dB signal-to-noise ratio.





Automatic Tape Switchover

A special sensor detects the identification hole on the rear edge of new chrome tape cassettes, switching bias and equalization automatically. Manual selection between FeCr and regular cassettes is via a handy pushbutton.

Memory Rewind

Just press the three-digit tape counter Reset button and set the Memory rewind button. Then, when you rewind, the tape will stop at 999 to let you begin play at zero again. Great for concentrating on favorite songs, difficult passages, or for language study.

Pitch Control

“Tune” your cassettes to a piano, organ, etc., by moving the slider left or right. A special servo circuit adjusts the playback speed by up to $\pm 3\%$.

High Filter

Use this filter to cut tape hiss and background noise on normally recorded cassettes. The filter curve is closely designed to match Dolby noise reduction system characteristics, so it can be

used to play Dolby-recorded tapes without excessive high-range harshness.

High-Performance Super-Hard Permalloy Rec/PB Head

This head features excellent sensitivity for superb dynamic range and signal-to-noise ratio. It is also part of the reason for the low distortion in the TC-800 signal.

In addition, the special material and construction provide durability for an extra-long service life.

Full Automatic Shutoff

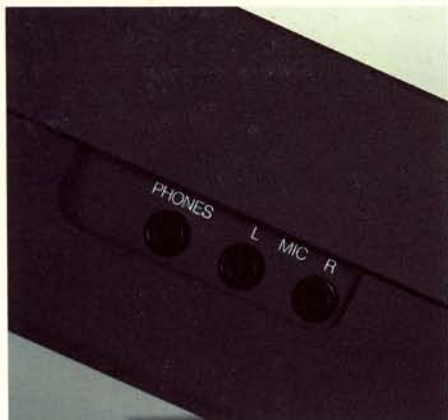
When the end of the tape is reached the set automatically shuts off. This protects the capstan and other parts of the tape transport against deformation which could cause distortion.



Quick-View Level Meters

Oversized, to permit fast verification of recording and playback level, with generous -20dB to $+3\text{dB}$ range.





Switch again. The mic circuit is shut off and the line circuit switches on for optimum input characteristics. This system assures best signal-to-noise ratio for every type of recording.

Snap-Off Cassette Pocket

Head and tape transport cleaning is no longer a problem. Just snap off the cover and you have full, easy access to the whole mechanism.



Output Transformerless IC Headphone Amp

Normally reserved for the finest integrated and power amplifiers, this design is also incorporated into the TC-800 to make sure you really hear the extra tonal clarity when listening through headphones. This amp allows you to use any type of headphone: low or high impedance.

Mic/Line Switchover

Press the switch and the microphone circuit is on, providing ideal impedance for live recording.

Mario Bellini Design

This world-famous product designer created the TC-800 concept for Yamaha, and at the same time teamed up with our technicians to develop an all-new orthodynamic headphone series—the last word in headphone comfort and performance.



SPECIFICATIONS:

Recording System	4-track, 2-channel stereo	Output Level/Impedance	Line: 0.4V (OVU) Headphone: 1mW/8Ω, 3mW/150Ω
Tape Speed	4.8cm/sec (1 7/8 ips)	Playback Pitch Control	±3%
Wow & Flutter	Less than 0.06% (WRMS) Less than 0.2% DIN	Fast Wind, Rewind Time	Within 80 Seconds (C-60 Tape)
Speed Variation	Less than ±1.0%	Semiconductors	31 Transistors, 2 ICs, 18 Diodes
Signal-to-Noise Ratio	Better than 50dB (DIN, OdB) Better than 58dB (High Filter On)	Power Consumption	16W
Total Distortion	Less than 1.5% (1KHz, OVU)	Power Source	Canada: 117V, 60Hz Europe: 220/240V, 50Hz Other Areas: 117/220/240V 50/60Hz
Frequency Response	30-13,000Hz (LH Tape) 30-15,000Hz (CrO2 Tape)	Dimensions (W x H x D)	312 x 98 x 312mm (12 1/4" x 3 3/4" x 12 1/4")
Bias Frequency	85KHz	Weight	4.6Kg (10.14 lbs.)
Input Sensitivity/Impedance	Line: 50mV/50KΩ Mic: 0.5mV/10KΩ		
Channel Separation	Better than 30dB		

Specifications subject to change without notice. Dolby is a trademark of Dolby Laboratories, Inc.

For details please contact

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