

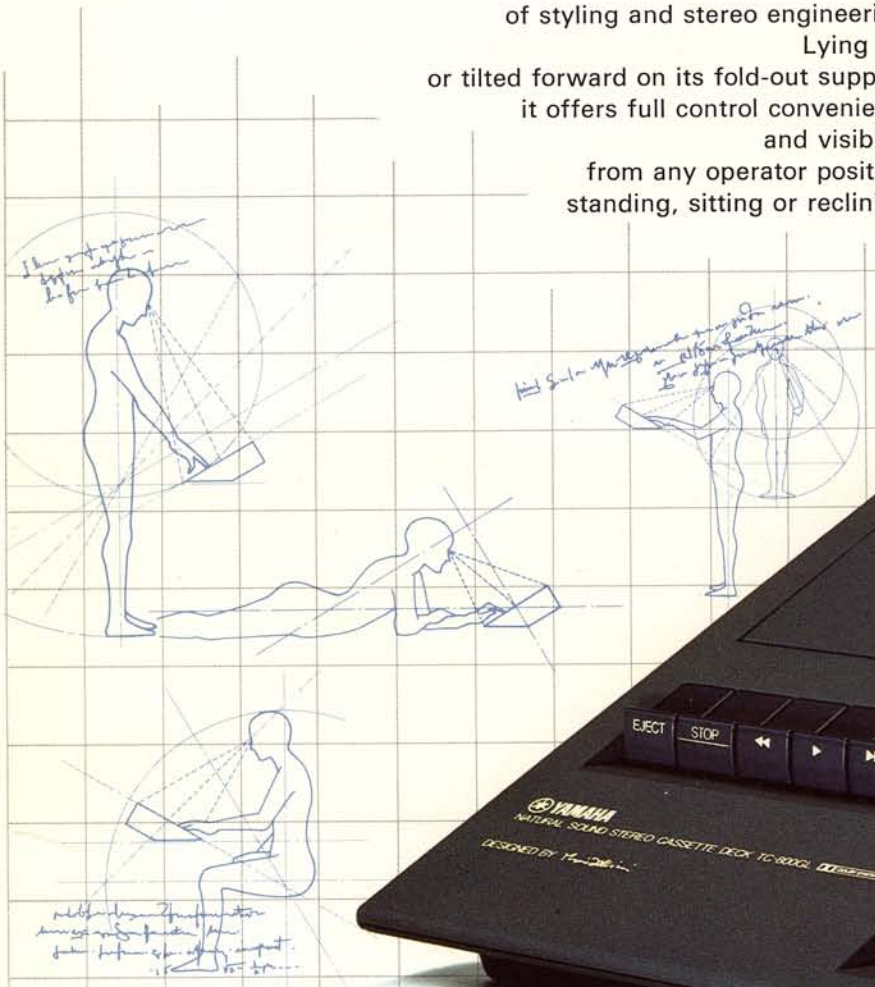
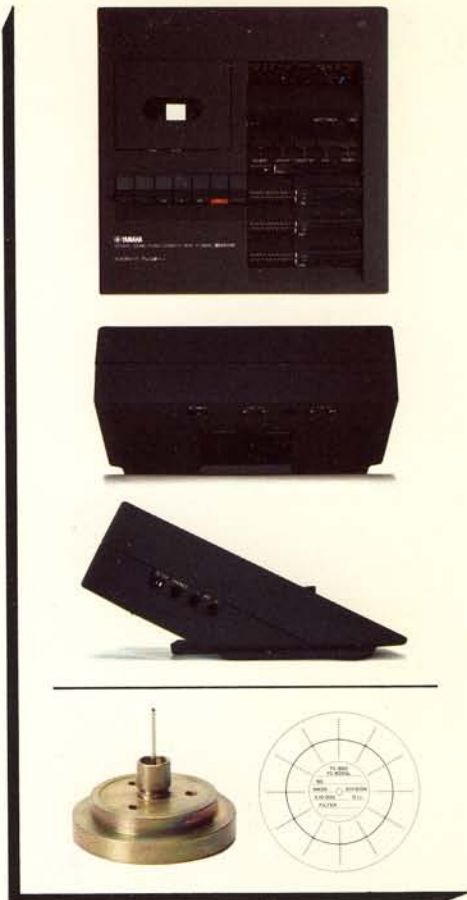
# YAMAHA TC800GL

High-performance stereo cassette deck with less than 0.06% wow & flutter, radical new easy-operation design, Dolby system, pitch control and automatic recording start.



# Professional recording & control convenience. Professional performance for your stereo system.

A perfectly balanced flywheel and precision tape transport mechanism.  
 Capstan roundness and surface evenness tolerances twice as stringent as other manufacturers—within  $1\mu$ . Closely regulated capstan clearance and angle.  
 It all adds up to less than 0.06% (wrms) wow & flutter, and an outstanding 58dB signal-to-noise ratio (Dolby on).  
 The TC-800GL is also a triumph of styling and stereo engineering.  
 Lying flat or tilted forward on its fold-out support, it offers full control convenience and visibility from any operator position: standing, sitting or reclining.



### Three-Way-Power Versatility

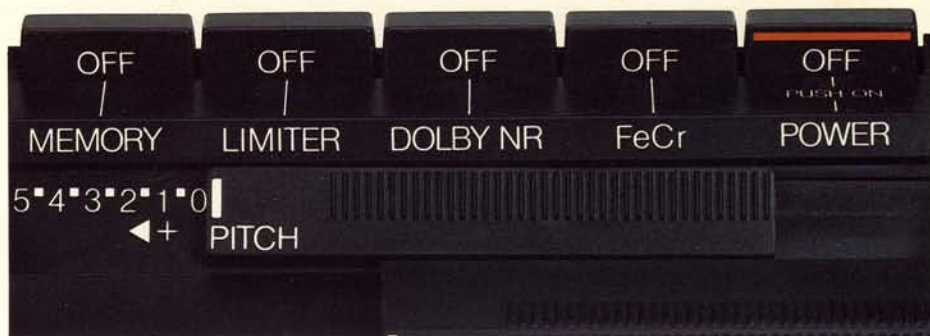
AC line, 12V external source, or batteries in the built-in compartment. Power the TC-800GL with any of the three; use it at home as a part of your stereo system, in your car or boat, or as a portable unit for live recording and outdoor listening.

### Automatic Recording with Timer

Plug the power cord into your timer, set up for recording and press the Pause switch. When the set time arrives, power to the unit will pop out the Pause switch and recording will begin (AC operation only).

### Super-Hard Permalloy Rec/PB Head

In addition to a special material and construction which offers superb durability and extended service life, this head also features excellent sensitivity, an outstanding dynamic range and high signal-to-noise ratio. It is also one of the reasons behind the TC-800GL's ultra-low distortion.



### Automatic Tape Switchover

For chrome cassettes with the new extra hole, a special sensor automatically switches bias and equalization, matching the tape characteristics. A manual selector lets you switch back and forth between regular cassettes and ferri-chrome (FeCr) types.

### Limiter Circuit

Ideal for limiting peak surges during live recording, this circuit compresses signals which threaten to saturate the recording system, thus avoiding clipping and overload distortion. The switch can also be used with a high input level setting for automatic level control; ideal for recording speeches, conferences, etc.

### IC Dolby Circuit

The Dolby noise reduction system cuts background noise and tape hiss by first boosting the treble recording signal during soft passages, then reducing the same passage signals (and recorded noise) during playback. In the TC-800GL the system is aided by integrated circuitry for better signal-to-noise ratio and lower distortion.

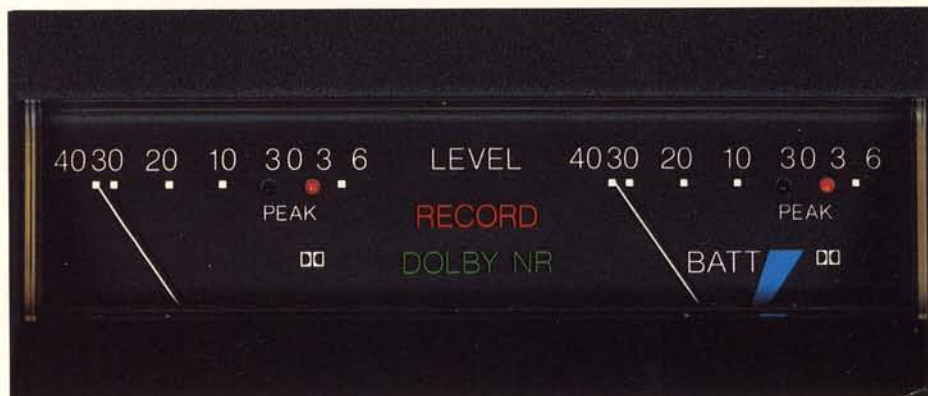
### Pitch Control

"Tune" your cassettes to a piano, organ, etc., by moving the slider left or right. Up to  $\pm 3\%$  playback speed adjustment is provided by a special servo circuit.



### Memory Rewind

Reset the three-digit tape counter to zero and press the Memory button. Then, when you rewind, the tape will stop at 999 to let you begin play at zero. Great for rehearsing favorite passages, language study, etc.



### Extended-Range Level Meters, LED Peak Indicators

Each meter has an extra-wide range of  $-40\text{dB}$  to  $+6\text{dB}$ , for full visual verification of even the most dynamic surges. There are also long-life LED indicators to assure perfect recording control. One indicator lights for levels above  $-3\text{dB}$  and the other for levels above  $+4\text{dB}$ .

This is the ideal recording range, so perfect recordings are easy every time.

### Full Auto Shutoff

At the end of a tape (recording or playback) the set automatically shuts off, to protect the capstan and pinch roller against deformation.



### Mario Bellini Design

The TC-800GL concept was created for Yamaha by the world-famous designer, Mario Bellini. He also teamed up with our technicians to develop an all-new

series of orthodynamic headphones. Their lightweight comfort and thrilling performance provide an extra measure of music enjoyment during private listening.



### Mic Mixing

This feature lets you be your own disc jockey, or add your part to music minus one recordings. The dual mic inputs work with the level indicators and separate Line and Mic controls for a perfect balance of mixed signals.

thanks to this special circuit design usually reserved for only the most expensive integrated power amplifiers. It assures full frequency response and ultra-low distortion at any listening level.

### OTL Integrated Circuit Headphone Amp

Headphone listening (via low or high impedance headphones) provides superb tonal clarity,

### Snap-Off Cassette Pocket

To clean the heads and tape transport system, just snap off the cassette cover for full, easy access.



## 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 (1⅞ ips)	Fast Wind, Rewind Time	Within 80 Seconds (C-60 Tape)
Wow & Flutter	Less than 0.06% (WRMS) Less than 0.2% DIN	Semiconductors	45 Transistors, 6 ICs, 38 Diodes
Signal-to-Noise Ratio	Better than 50dB (DIN, OdB) Better than 58dB (Dolby On)	Power Consumption	16W
Total Distortion	Less than 1.5% (1KHz, OVU)	Power Source	U.S.A. & 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)	DC 12V (UM-2 batteries x 9) 312 x 98 x 312mm (12¼" x 3¾" x 12¼")
Bias Frequency	85KHz	Weight	5Kg (11 lbs.) without batteries
Input Sensitivity/Impedance	Line: 50mV/50KΩ Mic: 0.5V/10KΩ		
Channel Separation	Better than 30dB		
Playback Pitch Control	±3%		

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

For details please contact

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