

## CR-7/CR-5 Feature-Comparison Chart

FEATURE	CR-7	CR-5
<b>Auto Calibration</b> Adjusts azimuth, level and bias for optimum recording	•	
<b>Playback Head Azimuth Fine Tuning Control</b> Ensures full-range reproduction of any tape	•	
<b>Discrete Three-Head Technology</b> For maximum dynamic range and most extended response	•	•
<b>Asymmetrical Dual-Capstan Diffused-Resonance Transport</b> Prevents common-mode resonance and maintains constant tension	•	•
<b>Brushless/Slotless/Coreless DD Capstan Motor &amp; FG Servo</b> Reduce wow and flutter to 0.027% (WTD RMS)	•	•
<b>Pressure-Pad Lifter</b> Reduces scrape flutter and modulation noise	•	•
<b>Automatic Slack-Tape Takeup</b> Protects precious tapes	•	•
<b>Auto/Manual Tape &amp; Equalization Selection</b> Auto setting for convenience; manual for special situations	•	•
<b>Real-Time Tape Counter</b> Displays elapsed or remaining time	•	
<b>Auto Fade</b> Fades out recording before end to avoid abrupt transitions	•	
<b>4-Digit Electronic Tape Counter</b> Indicates relative position on the tape	•	•
<b>Memory Stop</b> Stops tape at counter "0000" in fast forward or rewind	•	•
<b>Auto Repeat</b> Rewinds tape at end of side and reinitiates playback	•	•
<b>Dual-Speed Master Fader</b> One-touch fade-out/fade-in over 4 or 2 seconds	•	•
<b>Bias Fine Tuning</b> Helps obtain best bias match to the tape		•
<b>Low-Noise/Low-Distortion Direct-Coupled Electronics</b> For maximum dynamic range and minimum distortion	•	•
<b>Dolby B/C Noise Reduction</b> Reduces tape hiss by 10 to 20 dB	•	•
<b>FL Central Display</b> Accurate 50-dB peak-level meters with 2-second peak hold (CR-7 only) plus Tape/EQ/Dolby/Filter/Monitor indicators	•	•
<b>One-Touch Rec/Pause</b> Press RECORD to enter Rec Standby, then PLAY to record	•	•
<b>Rec Mute</b> Mutes recording for as long as button is pressed	•	•
<b>MPX Filter</b> Prevents Dolby mistracking when recording FM-Stereo	•	•
<b>Subsonic Filter</b> Prevents tape overload when recording warped discs	•	
<b>Timer Rec/Play</b> Unattended recording or playback via accessory timer	•	•
<b>Wireless Remote Control</b> Permits remote control of transport, REC/PLAY and azimuth	•	
<b>Wired Remote Control</b> Optional RM-200 for remote control of transport and REC/PLAY		•
<b>System Remote Control</b> Remote operation via the CA-7 System Remote Control	•	•
<b>Individual Left, Right &amp; Master Level Controls</b> Establish channel balance and permit manual fades	•	•
<b>Output Level Control &amp; Headphone Jack</b> Matches level to other sources; permits private listening	•	•

## CR-7/CR-5 Specifications

<b>Main Unit</b>	
Track Configuration .....	4-track/2-channel stereo
Heads .....	3 (erase head × 1, record head × 1, playback head × 1)
Motors .....	<b>Tape Transport</b> FG-servo, brushless, slotless, coreless DD motor (capstan drive) × 1 DC motor (reel drive) × 1 <b>Mechanism</b> DC motor (cam drive) × 1 DC motor (azimuth control) × 1 (CR-7 only)
Power Source .....	100, 120, 120/220—240, 220 or 240 V AC; 50/60 Hz (according to country of sale)
Power Consumption .....	CR-7: 55 W max. CR-5: 45 W max.
Tape Speed .....	1-7/8 ips (4.8 cm/s) ± 0.5%
Wow and Flutter .....	Less than ± 0.048% WTD Peak Less than 0.027% WTD rms
Frequency Response .....	CR-7: 20—20,000 Hz ± 2 dB (ZX, SX, EXII tape) 18—21,000 Hz ± 3 dB (-20 dB recording level) CR-5: 20—20,000 Hz ± 3 dB
S/N Ratio (A-WTD rms) .....	Dolby-C NR: Better than 72 dB (re 3% THD at 400 Hz, ZX tape) Dolby-B NR: Better than 66 dB
Total Harmonic Distortion .....	Less than 0.8% (ZX tape) (400 Hz, 0 dB) Less than 1.0% (SX, EXII tape)
Erasure .....	Better than 60 dB (100 Hz, + 10 dB)
Separation .....	Better than 37 dB (1 kHz, 0 dB)
Crosstalk .....	Better than 60 dB (1 kHz, 0 dB)
Bias Frequency .....	105 kHz
Input (Line) .....	50 mV/40k ohms
Output (Line) .....	1.0 V (400 Hz, 0 dB, Output Level at max.) 2.2k ohms
(Headphone) .....	12 mW into 8 ohms (400 Hz, 0 dB, Output Level at max.)
Fast-Wind Time .....	Approx. 80 seconds (C-60 cassette)
Dimensions .....	435(W) × 135(H) × 306(D) millimeters 17-1/8(W) × 5-5/16(H) × 12(D) inches
Approximate Weight .....	CR-7: 9.0 kg; 19 lb 13 oz CR-5: 8.5 kg; 18 lb 12 oz
<b>RM-7C Remote Control Unit (Supplied with CR-7)</b>	
System .....	Infrared pulse system
Power Supply .....	DC 3 V (1.5 V × 2)
Dimensions .....	57(W) × 19(H) × 175(D) millimeters 2-1/4(W) × 3/4(H) × 6-7/8(D) inches
Approximate Weight .....	140 g; 5 oz

- Specifications and appearance subject to change for further improvement without notice.
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**Tapes**  
ZX Metalloy Cassette Tape  
(70 μs, metal bias)  
ZX C-60 ZX C-90

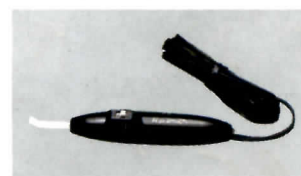
SX Ferricobalt Cassette Tape  
(70 μs, CrO<sub>2</sub>, bias)  
SX C-60 SX C-90

SX II Super Ferricobalt Tape  
(70 μs, CrO<sub>2</sub>, bias)  
SX II C-60 SX II C-90

EX II Ferricrystal Cassette Tape  
(120 μs, normal bias)  
EX II C-60 EX II C-90



RM-200 Remote Control



DM-10 Head Demagnetizer



SP-7 Stereo Headphones

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