

Technics®

RS-BX501

Auto-Reverse 2-Motor Cassette Deck



- 1. ATC (Auto Tape Calibration) for Optimum Performance from Each Tape**
- 2. Advanced AR1 Mechanism with HI-SPEED FF/REW and Direct Operation**
- 3. Auto-Reverse, 2-Motor Tape Transport**

AUTO
REVERSE

HX PRO

DOLBY B-C NR

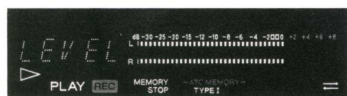
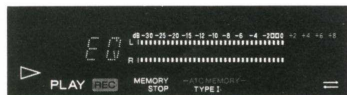
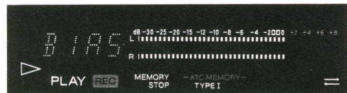
RS-BX501

Auto-Reverse 2-Motor Cassette Deck

Auto-Reverse Adds Convenience to Dependable Hi-Fi Single Deck Performance

ATC (Auto Tape Calibration)

Technics ATC helps assure the flat frequency response required for true high fidelity recording/playback results — despite the varying high-range characteristics of actual cassette tapes on the market. Using a microcomputer, ATC fine tunes the bias and equalizer circuits to obtain flat response, and then adjusts the recording level or sensitivity for accurate Dolby¹ NR results. This advanced system is based on 64-step high-resolution calibration for all three parameters, with separate readings taken in the low range (400Hz), midrange (3kHz),² and high range (10kHz).³



Auto-Reverse

Since the RS-BX501 employs an auto-reverse mechanism, you don't have to flip the cassette during recording or playback.

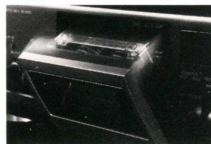
Advanced AR1 Mechanism with HI-SPEED FF/REW



You can fast-forward or rewind the tape at about double the previous speed. That cuts annoying waiting time in half. For example, a conventional Technics deck would take from 90 to 110 seconds to rewind a C-60 tape. The RS-BX501 finishes in only about 50 seconds.⁴ While aiming for high speed, we've also taken measures to protect the tape itself. A microprocessor senses that the tape is approaching the end, and automatically decelerates to the usual slower FF/REW speed. TPS even operates at high speed. You can also select normal FF/REW speed to handle irregularly-wound tapes.

Direct Operation with Power Loading

Direct operation minimizes button pressing. If the cassette door is open, pressing just PLAY, REC, FF, or REW will shut the door *and* begin the desired function. Or, while the tape is being played or wound, pressing OPEN/CLOSE will stop the tape *and* open the door. Since the cassette well door is motor driven, it opens and closes smoothly and effortlessly.



2-Motor Drive

To minimize wow & flutter during recording and playback, one motor drives the capstan while a second motor drives the reels. This second motor also handles FF/REW operation and power loading. You'll appreciate the difference in performance.

Linear Electronic Tape Counter

Switch between 4-digit (minute, second) elapsed time display and 3-digit tape counter indication at the touch of a button. Memory stop (rewind-to-zero) is possible in either mode.

More Valuable Features

- Dolby HX Pro headroom extension
- Dolby B & C noise reduction systems
- 2-color FL peak-hold meters
- Headphone output level control
- Feather-touch operation
- MPX filter on/off switch
- Master rec level control
- Independent balance control
- Auto tape selector
- Auto rec-mute
- Large insulating feet

New Technics Remote Control System

You can control major functions and turn the power on and off by the remote control supplied with selected Technics amplifiers or receivers.

- Applicable amplifiers: SU-V500, SU-A900MK2, SU-A800MK2, SU-A700MK2
- Applicable receivers: SA-GX670, SA-GX470, SA-GX370, SA-GX170

Technical Specifications

Record/playback system	
Track system	4-track 2-channel record and playback
Heads	Record/playback Permalloy head (x 1) Erase Double-gap ferrite (x 1)
Tape transport	
Wow and flutter	0.07% (WRMS), ±0.2% (DIN)
Motors	
Capstan drive	DC servo motor (x 1)
Reel drive	DC motor (x 1)
FF/REW time	Approx. 50 sec. with C-60 tape

Audio	
Frequency response	
Metal tape	30Hz — 17000Hz (DIN) 30Hz — 16000Hz (± 3dB)
CrO ₂ tape	30Hz — 16000Hz (DIN) 30Hz — 15000Hz (± 3dB)
Normal tape	30Hz — 16000Hz (DIN) 30Hz — 15000Hz (± 3dB)
S/N ratio	
Dolby C NR in	74dB (A weighted)
Dolby B NR in	66dB (A weighted)
NR out	56dB (A weighted)

General	
Power supply	AC 230 — 240V, 50/60Hz
Power consumption	19W
Dimensions (W x H x D)	430 x 125 x 293mm
Weight	3.8kg

¹ "Dolby," the double-D symbol, and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

² Metal tape: 5kHz

³ Metal tape: 14kHz

⁴ Different tapes may have slightly different winding times.

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Matsushita Electric