

SONY

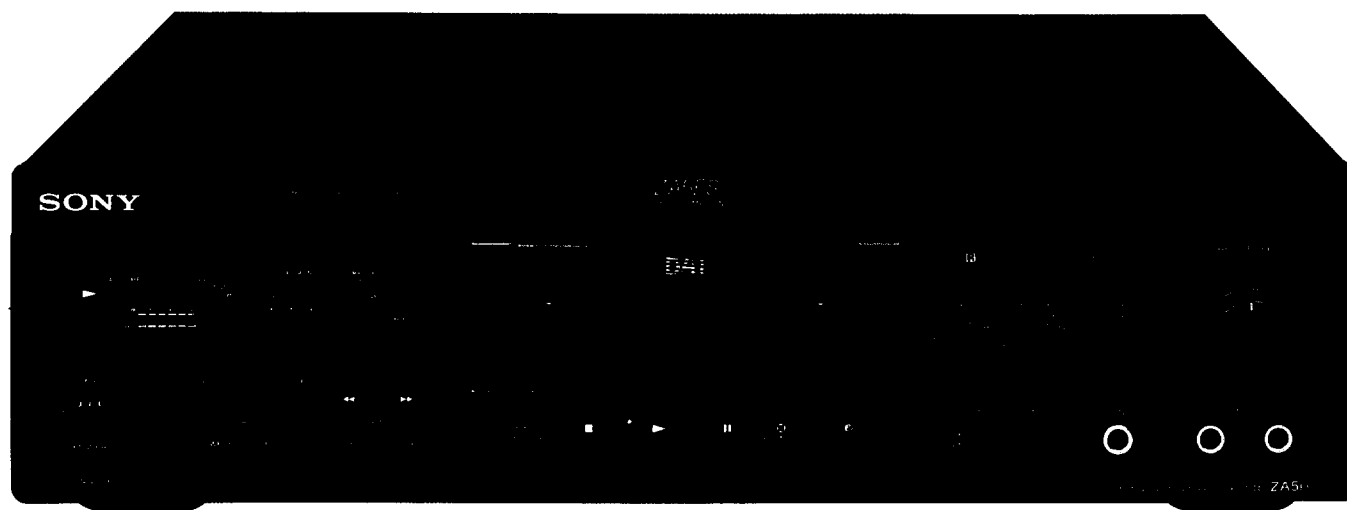
DTC-ZA5ES

DAT RECORDER

- PULSE-TYPE A/D CONVERTER
- ADVANCED PULSE D/A CONVERTER
- SUPER BIT MAPPING® ENCODING SYSTEM
- CAN RECORD* AT 44.1kHz FROM ANALOG SOURCES
- 4-MOTOR DIRECT DRIVE TRANSPORT
- REMOTE COMMANDER® UNIT WITH 10-KEY DIRECT ACCESS™ TRACK SEARCH



FEATURES AND
SPECIFICATIONS
SUBJECT TO CHANGE
WITHOUT NOTICE



DTC-ZA5ES

You could compare the sound of Sony's DTC-ZA5ES DAT Recorder¹ to that of a good CD player. But it wouldn't be fair to the CD Player! After all, not all CDs are mastered with the 20-bit resolution of Sony Super Bit Mapping technology. Not all CD players have distortion-reducing "dither" technology in their digital filters. And what CD Player can match the higher, 48kHz sampling rate. Yet Sony's DTC-ZA5ES offers all of this. And more.

FEATURES

- **PULSE-TYPE A/D CONVERTER** for low distortion when recording from analog sources
- **SUPER BIT MAPPING** encoding system uses Sony's noise-shaping technology to achieve 20-bit resolution from the 16-bit linear DAT format
- **ADVANCED PULSE D/A CONVERTER** eliminates zero-cross distortion, considered by researchers to be the most audible distortion in CD players; the result is remarkably smooth, open sound—even during delicate quiet passages
- **20-BIT SCORE PLAYBACK DIGITAL FILTER** uses "dither" technology to make music cleaner and better defined; filter uses 8x oversampling, 45-bit internal processing and 20-bit outputs
- **4-MOTOR DIRECT DRIVE TRANSPORT** is uncommonly smooth and responsive
- **MID-SHIP DRIVE** reduces chassis flexing; reduces radiated noise
- **QUICK LOADING** mechanism
- **RECORDS AT 3 SAMPLING RATES** including 44.1kHz, from analog sources; playback auto sensing for 48, 44.1 or 32kHz
- **STANDARD AND LONG-PLAY MODES**
- **HIGH-SPEED REWIND** handles a DT-120 tape in only 50 seconds
- **AUTOMATIC MUSIC SENSOR™ (AMS)** track search quickly skips to the next song or the previous song
- **RANDOM MUSIC SENSOR (RMS)** track programming lets you play your selection of tracks in your choice of sequence
- **HIGH SPEED SEARCH** at 400 and 200 times normal speed
- **AUDIBLE CUE** at 2.5 and 8.0 times normal speed
- **AUTO FADER** for professional-style fade in and out
- **REMOTE COMMANDER®** unit with 10-key Direct Access™ track search for easy location of songs
- **MIC INPUTS** for live recording
- **OPTICAL AND COAXIAL INPUTS AND OUTPUTS** for digital-to-digital connection to preamps, CD players and other digital recorders
- **HEADPHONE OUTPUT** for private listening
- **23-SEGMENT DIGITAL PEAK PROGRAM METERS** to help set record levels
- **DIGITAL PEAK MARGIN INDICATOR** for extremely precise record level settings
- **MUSIC SCAN** plays an 8-second sample from each song
- **CD SYNCHRO RECORDING**
- **2-WAY REPEAT** replays one track or the complete tape
- **TIMER-ACTIVATED RECORD OR PLAYBACK** when used with external AC timer
- **RECORD MUTE**
- **AUTOMATIC ID SUBCODES** mark the beginning of selections as you record
- **MANUAL START ID SUBCODES** with rehearsal function; auto track renumbering
- **2-WAY TIME DISPLAY** shows absolute or remaining time
- **STEREO HEADPHONE JACK** with level control
- **SERIAL COPY MANAGEMENT SYSTEM**
- **THREE-YEAR "LIMITED" WARRANTY** (see your Sony ES dealer for details)

SPECIFICATIONS

FREQUENCY RESPONSE: 2 - 22,000Hz (±0.5dB)

SIGNAL-TO-NOISE RATIO: >93dB

DYNAMIC RANGE: >93dB

TOTAL HARMONIC DISTORTION: <0.0045% (at 1kHz)

WOW AND FLUTTER: Below the limits of measurement

SAMPLING RATES: 48kHz, 44.1kHz, 32kHz

NUMBER OF MOTORS: 4 Direct Drive

NUMBER OF HEADS: 2 Record/Play

SEARCH SPEED: 200x, 400x Normal

ENCODING: Super Bit Mapping™ circuit

DE-EMPHASIS: Auto On and Off

INPUTS: Line: 500mV, 47kohms

Optical

Microphone: 0.8mV, 5kohms

Coaxial

OUTPUTS: Line: 2Vrms, 10kohms load

Optical

Headphones: 1.2mW (variable), 32 ohms load

Coaxial

POWER REQUIREMENTS: AC 120V, 60Hz

POWER CONSUMPTION: 35W

DIMENSIONS (WHD): 17" x 5" x 14 1/4"

WEIGHT: 16 lbs 8 oz

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Features and specifications are subject to change without notice. Non-metric weights and measures are approximate.

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¹DAT products sold by manufacturer-authorized outlets incorporate the Serial Copy Management System, which will not prevent you from making a direct digital-to-digital copy from a digital source, but will prevent the making of a second direct digital-to-digital copy from the first copy.

SONY

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