

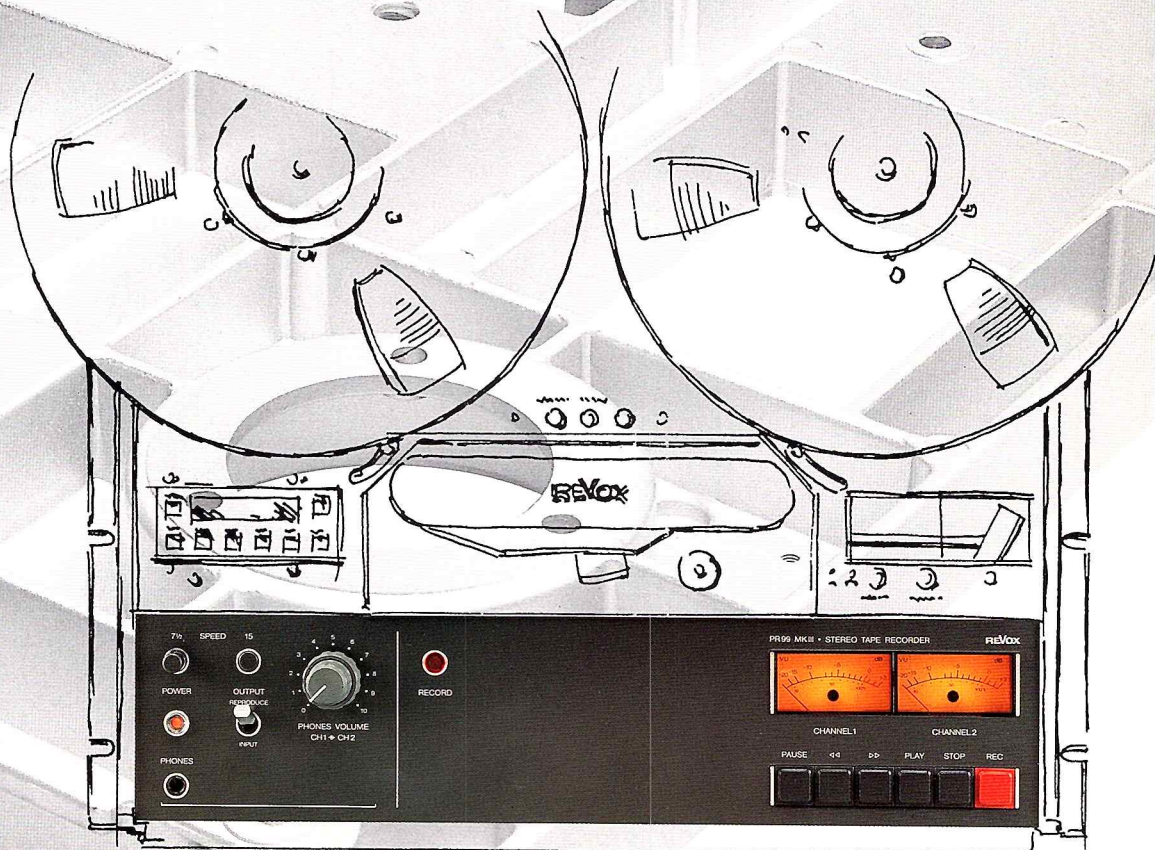
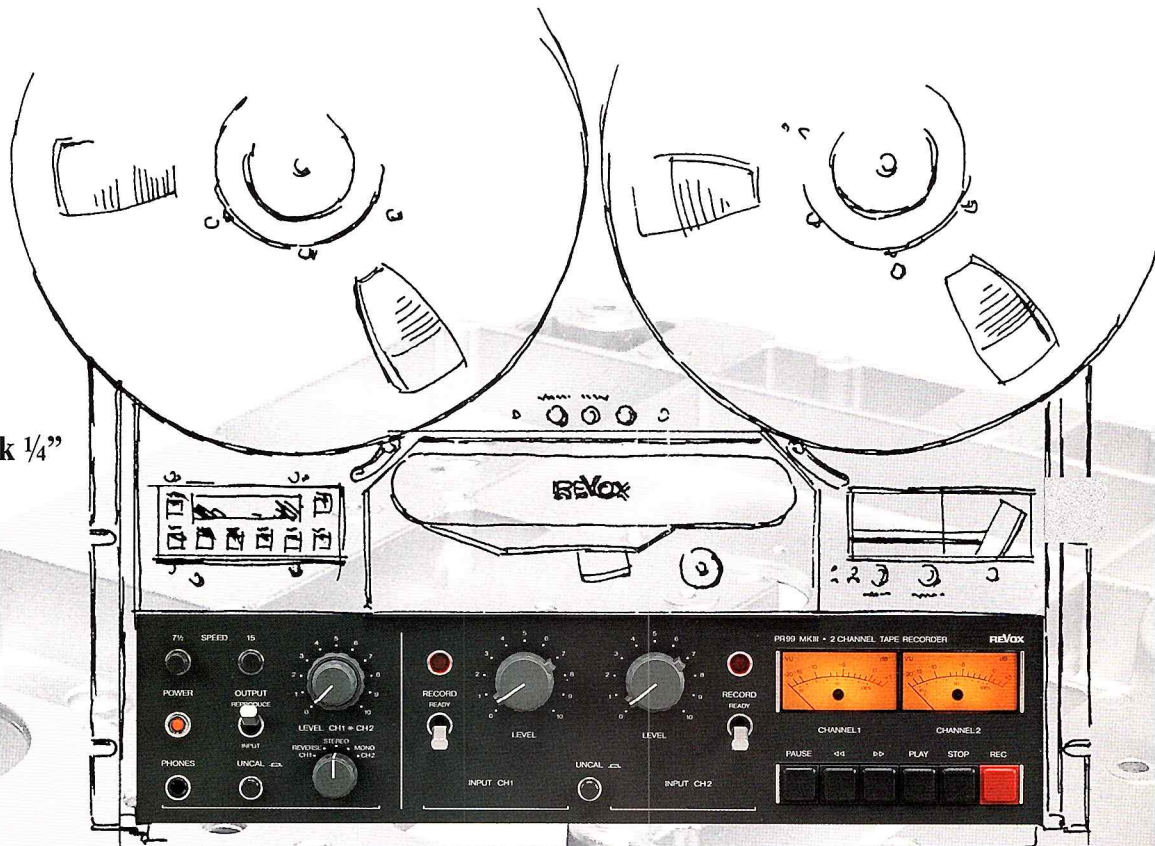
Revox PR99 MKIII



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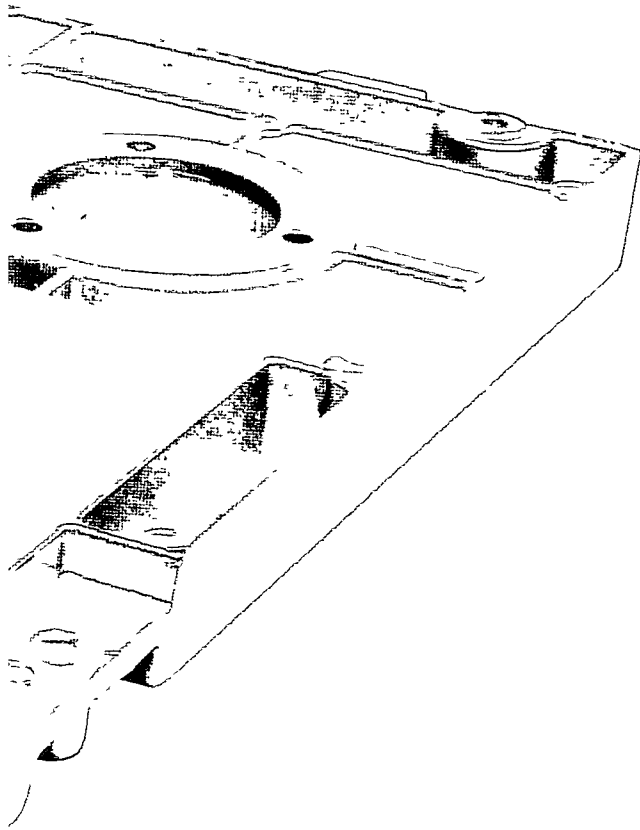
The professional's choice...

PR99 MKIII 2 Track 1/4"



PR99 MKIII Line I/O 2 Track 1/4"

for operating features



PR99 MKIII, Line IN/OUT

This version is exclusively suitable for broadcasting stations (Press Room). Input and output calibrations are fixed. The controls are confined to a clearly readable VU meter, Input/Tape selector switch, mains switch, counter, Vari-Speed function, Tape Dump and Reel Size.

Transport functions

- Variable speed control with ± 7 half-tone range
- Real-time counter with resolution to the exact second, Zero Locate, Address Locate, and Repeat (Loop) functions
- Edit mode switch defeats the tape lifters and makes the fast-wind buttons "momentary acting", permitting quick location of audio cues
- Tape speed options: $3\frac{3}{4}$ - $7\frac{1}{2}$ (NAB) or $7\frac{1}{2}$ - 15 (NAB or CCIR)
- 19" rack mount flanges and metal case standard
- 3-pole universal power wiring for connection to line current anywhere in the world
- Full "solid state" transport control with motion sensing protects tapes from damage
- Connections for fader start, remote control (parallel), external vari-speed and monitor panel
- Sound heads mounted above the flat face plate for easy editing
- Tape cutter and splicing block
- Tape dump button for waste basket mode (right-hand take-up motor off)

Audio electronics

- Balanced and floating inputs and outputs
- ASA standard VU meters with adjustable LED peak indicators
- Calibrated and uncalibrated input and output levels. In the calibrated mode, line input and output is internally adjustable in reference to operating level. In uncalibrated mode, full control is available with up to an additional 10 dB.
- Adjustable headphone output (headphone level remains variable in calibrated output mode)
- Ready/safe switch protects against accidental erasures. Status indicator readily visible.

A practical alternative to more expensive machines, the PR99 MKIII incorporates the features professionals need for a variety of applications.

Recording studio, educational, industrial, AV:

Ideal for dubbing and other general uses.
An excellent mastering deck for small studios.

An excellent choice when ruggedness, dependability and servicing are important.

Broadcast:

Suited for both on-air, broadcast production and portable remotes.

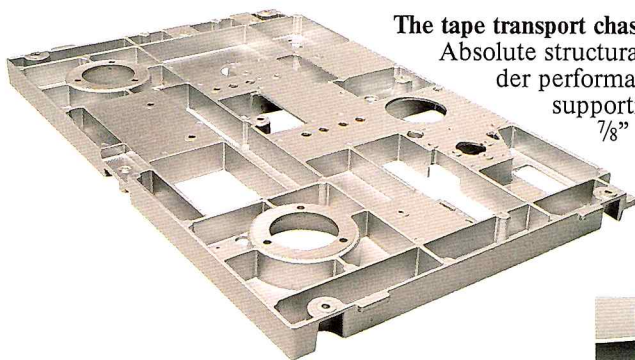
Automation:

On-air studio playback and automation systems with reproduce-only versions.

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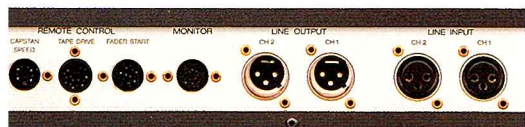
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£61.89 [0525 841999]
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72410 knob £1040 +v
72412 £6.50



The tape transport chassis

Absolute structural stability is essential for optimal long-term recorder performance. To assure rigidity, the PR99 MKIII chassis supporting the headblock and the motors is made from a $\frac{7}{8}$ " thick alloy die-casting. The headblock is also die-cast and precision-machined to insure absolute component alignment.



Connector panel

From left to right: connectors for capstan speed control, parallel remote control, Fader Start, Monitor (for the optional compact monitor panel), left and right balanced line inputs and outputs.



The tape path

For smooth start-up, the PR99 MKIII has tape tension arms at both ends of the tape path. Three tape guides keep the tape in exact alignment with the heads. The right hand rolling guide drives the tachometer wheel to the real-time counter. The grooved roller surface ensures maximum tape contact even in fast wind modes, providing precise data for the counter.



Counter, Address and Zero Locate

A microprocessor-controlled real-time counter gives elapsed time in hours, minutes and seconds. With less than 0.5% error, the micro-processor automatically recomputes the time displayed on the LED counter when changing tape speed. The following functions are also available: Z-LOC (Zero Locate), A-LOC (Address Locate), A-LOC "on the fly" and RPT (Repeat) which engages the loop mode between Z-LOC and A-LOC.



Compact monitor panel

Mounts in console, case, or standard 19" rack. It includes power amp, volume control, two speakers (stereo), and track selector switch.

Rugged transportation case

Welded steel interior side panels, a snap-on front face plate cover and heavy duty spring loaded handles comprise the transport case. It allows quick access to all alignment controls, adapts to fit console frame and has space for the monitor panel.



Varispeed control

Coarse adjustment ± 7 half tones, fine adjustment ± 1 half tone. 6 ft. cable.

Remote control

All PR99 transport functions plus repeat. Locking pause button, selector switch for timer operation, 32 ft. cable.



All steel console

An attractive, sturdy, tilting floor console with heavy duty casters and brakes is available for all PR99 and B77 series machines. The angle of tilt can be changed in seconds without tools, and quick access to alignment controls through the front panel and space for the optional monitor panel is provided.

for rock-solid performance

The choice

For advanced audio electronics. The PR99 MKIII's specifications speak for themselves. Input amplifiers allow a maximum overload margin and active, linear output stages deliver levels up to 22 dBu.

The choice

For cost-effective performance. The 2-channel 1/4 inch tape recorder is available with 3.75/7.5 ips or 7.5/15 ips speed configurations. Built-in vari-speed (-33% to +50%), a true Auto-locator with Zero Locate and Address Locate functions allowing precise search-to-cue provide audio production possibilities unknown in this price range.

The choice

For rugged quality and easy maintenance. The PR99 MKIII is built with characteristic Studer Revox attention to service and maintenance throughout a long working life and shares the same construction values that define all Studer Revox tape recorders.

The PR99 MKIII is a versatile, compact professional audio recorder, offering a long list of operating features for production flexibility. Yet its compactness in no way compromises the engineering excellence that has made Studer Revox the world's most respected name in audio recording.



Revox PR99 MKIII

Professional Tape Recorder



Designed and manufactured in Switzerland and West Germany, the PR99 MK III draws on the same engineering expertise that has made Studer the world standard for excellence in audio recording.

Applications: Broadcast: on-air playback, production, remote recording. Recording studio: mastering, dubbing.

Features: ● Balanced and floating line-in and line-out ● Calibrated input and output levels (Switch UNCAL = variable up to +10 dB) ● Full-logic transport control ● Digital counter in hours, minutes and seconds ● Zero-Locator ● Edit switch ● Tape dump ● Repeat function ● Rack mount flange ● VU meters with adjustable peak LED's ● Remote control ● Fader start ● Built-in vari-speed.

Configurations: Tape speeds: 7.5-15 ips; 7.5-15 NAB or CCIR. Sound heads: two-track stereo, mono, or butterfly head for HS.

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Technical specifications

	PR99 3.75-7.5ips, NAB	PR99 7.5-15ips, NAB
Tape transport mechanism:	3 motor tape drive. 2 AC driven spooling motors. 1 AC driven capstan motor, electronically regulated	
Tape speeds:	3.75ips and 7.5ips electronic change-over	7.5ips and 15ips electronic change-over
Tolerance from nominal:	±0.2 %	±0.2 %
With variable speed:	-33 % ... +50 %	-33 % ... +50 %
Wow and flutter: (DIN 45507/consistent with IEEE standard 193-1971)	For hub diameters ≥ 4.0 inches: at 3.75ips less than 0.1 % at 7.5ips less than 0.08 % at 7.5ips less than 0.08 % at 15ips less than 0.06 % For hub diameters ≥ 2.36 inches: 3.75ips ≤ 0.1 % 7.5ips ≤ 0.1 % 15ips ≤ 0.1 %	
Tape slip:	max. 0.2 %	
Reel size:	up to 10.5 inch diameter (min. hub diameter 2.36 inches), tape tension switchable (for small hub diameters)	
Winding time:	approx. 120 sec for 2500 ft of tape	
Tape transport control:	Integrated control logic with tape motion sensor provides for any desired transition between different operating modes. Contactless electronic switching of all motors. Remote control of all functions and electric timer operation are possible. Fader start facilities. Tape dump mode.	
Tape counter:	Accuracy ±0.5 % Real-time indication in hours, min., sec. Zero locator Address locator Repeat mode	
Equalization:	3.75ips: NAB 90-3180µs 7.5ips: NAB 50-3180µs	7.5ips: NAB 50-3180µs 15ips: NAB 50-3180µs
Frequency response: (measured via tape, at -20 VU)	at 3.75ips: 30 Hz ... 16 kHz +2/-3 dB 50 Hz ... 10 kHz ±1.5 dB	at 7.5ips: 30 Hz ... 20 kHz +2/-3 dB 50 Hz ... 15 kHz ±1.5 dB
	at 7.5ips: 30 Hz ... 20 kHz +2/-3 dB 50 Hz ... 15 kHz ±1.5 dB	at 15ips: 30 Hz ... 22 kHz +2/-3 dB 50 Hz ... 18 kHz ±1.5 dB
Operating level:	250 nWb/m 0 VU	
Level metering:	VU meter in accordance with ASA standard plus LED peak level indicators (6 dB above operating level, adjustable)	
Distortion:	at: nWb/m:	0 VU 250
	3.75ips: 7.5ips: 15ips:	<1 % <0.6 % <0.6 %
		<2.5 % <1.5 % <1.0 %
Signal to noise ratio: (measured via tape, ASA-A weighted referred to 500 nWb/m)	Half track: at 3.75ips <63 dB at 7.5ips <66 dB	Half track: at 7.5ips <66 dB at 15ips <66 dB
Crosstalk: (at 1000 Hz)	Stereophonic: better than 45 dB Monophonic: better than 60 dB	
Erase depth:	at 7.5ips better than 75 dB (1 kHz)	
Inputs per channel: (0 dBu ± 0.775 V)	Line inputs balanced (input impedance ≥ 5 kohms): Calibrated: +4 dBu (adjustable -10 ... +10 dBu, referred to operating level) Uncalibrated: Sensitivity ext. variable up to 10 dB above calibrated input. Max. Line Input Level: +22 dBu (>40 Hz)	
Outputs per channel: (0 dBu ± 0.775 V)	Line outputs balanced (source impedance 50 ohms): Calibrated: +4 dBu (load 600 ohms) (adjustable -20 ... +9 dBu, referred to operating level) Uncalibrated: Output level ext. variable up to 10 dB above calibrated output Max. Line Output Level: +22 dBu/600 ohms +20 dBu/200 ohms PHONES: max. 5.6 V, internal resistance 220 ohms, short-circuit proof	

Connectors for:	Remote control of tape transport functions. Remote control of variable tape speed. Fader start.
Electric current supply: (voltage selector)	100 V, 120 V, 140 V, 200 V, 220 V, 240 V 50 Hz ... 60 Hz, max. 100 watts
Primary power fuse:	100 V ... 140 V: 1 A slow-blowing 200 V ... 240 V: 0.5 A slow-blowing
Weight:	40 lbs. 12 oz. (18.5 kg)
Ambient Temp. Range:	+40°F (+7°C) to +104°F (+40°C)
Working position:	Any, between horizontal and vertical
All figures quoted are minimum performance values as measured with 3M 256 tape normally exceeded by all units. We reserve the right to make alterations as technical progress may warrant.	

STUDER REVOX

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