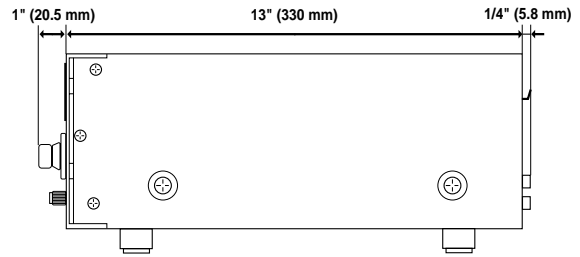
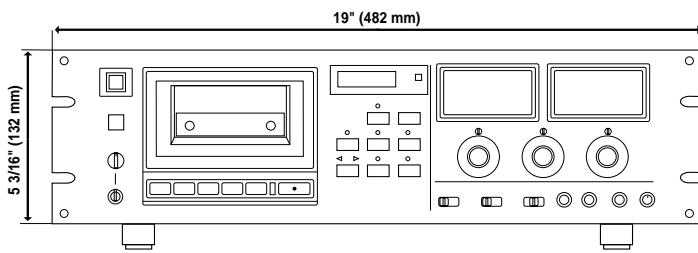


112R MKII



Sound Price/Performance For Multiple Applications

TASCAM designed the 112R MKII stereo cassette deck to offer playback for engineers and sound contractors, a sonically uncompromising cassette auto reversing-continuous play deck. The 112R MKII offers the finest independent head auto-reverse design offered at this price point, plus extra dubbing and editing features that make it ideal for long program recording.

To virtually eliminate wow and flutter, the 112R MKII is equipped with the Hysteresis Tension Servo Control (HTSC) system. This advanced servo control system maintains consistent back tension on the tape all through the reel, combatting inconsistencies brought on by extreme temperatures and humidity.

In addition, the tape direction can be changed, for playback or recording, with one button, thanks to the Super Accualign Rotating Head System. Superior engineering keeps the heads in proper alignment, and single-screw azimuth adjustment makes it easy for the user to maintain the head alignment after many hours of continuous use.

Bi-Directional, 3-Head Transport

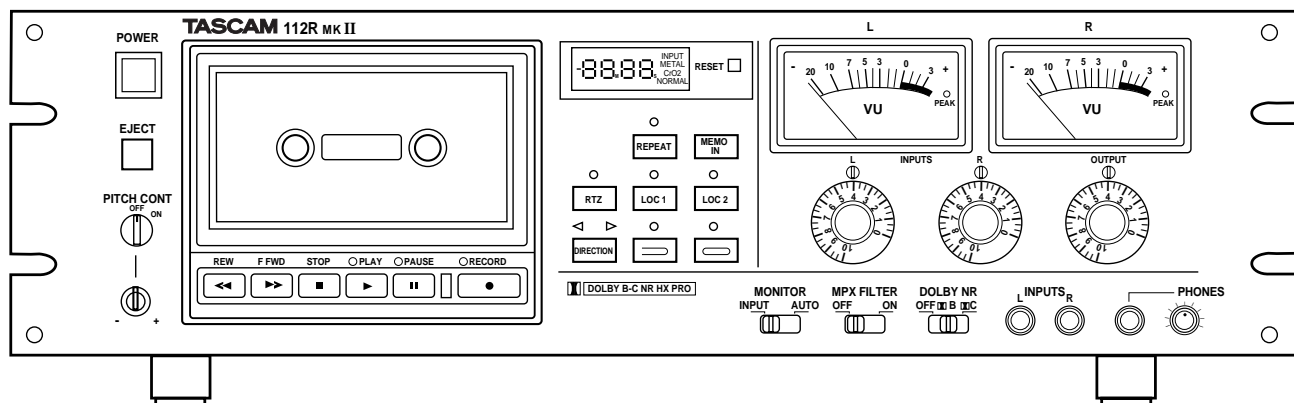
The 112R MKII features a three-head transport with separate high-performance record and playback heads, manufactured from resilient Cobalt Amorphous materials. The three independently-operating heads, combined with precision FG servo direct-drive capstan motors, combine to provide the highest standards of reproduction quality and performance — frequency response as great as 25 Hz to 20 kHz, and less than 1% total harmonic distortion.

Auto Reverse And Continuous Play Features For Extended Operation

For unattended recording or playback of material that is longer than one side of a tape, the 112R MKII offers two outstanding features that spare users from constantly attending to the deck.

Auto Reverse mode PLAYS or RECORDs in both directions before stopping, switching sides on the fly. The Continuous Reverse mode allows you to loop the tape during playback up to 5 times, or record in both directions,

Front Panel-112R MKII



without pausing to flip the tape and re-engage the record mechanism. Both features are accessible from the front panel, with one-button selection.

Automatic Tape Bias Selection For Error-Free Optimal High Frequency Response

Proper bias type is automatically selected when a tape is placed in the deck; you get optimal recording and playback response with Normal, Metal or CrO₂ tapes.

Stereo VU Meters & Input/Output Dials Ensure Optimal Sound Levels

The input dials on the 112R MKII are gear-interdependent, allowing you to dial in stereo VU calibration with one dial. Or, for channel-specific calibration, hold one dial still while adjusting the other. Either way, you get consistent, optimal recording levels without distortion.

Dolby HX Pro For Clear and More Dynamic Recordings

For maximum high-range clarity and reproduction precision, the 112R MKII is equipped with the Dolby HX Pro headroom extension system. HX pro is an active biasing system that minimizes the effect of high frequency music signals on the deck's bias signal, achieving up to 6 dB greater headroom at the higher music frequencies. What's more, HX Pro is a record-only process, so tapes recorded with HX Pro can be played back on any other cassette deck.

The 112R MKII also utilizes your choice of popular Dolby B or C noise reduction when recording, to further position your tape for best results from other playback decks.

3-Point Memory Features Speed Editing/Review

When editing program material or engaging in critical listening, the 112R MKII offers two Autolocator buttons (LOC 1 and LOC 2) and a MEMO IN control. These intuitive controls allow editors to select two points on the tape for one button forward/reverse to wherever the action is. Once the two points are set, the REPEAT button allows you to loop between the points with one-touch convenience.

Additionally, Return-to-Zero (RTZ) quickly spools the tape back to 00 minutes, 00 seconds on the Real-Time Tape Counter.

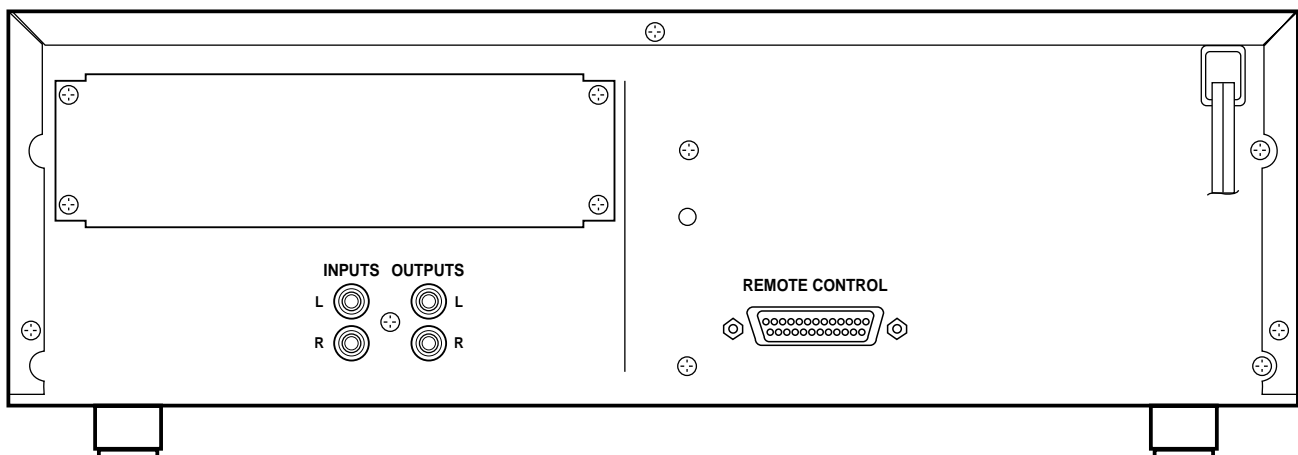
Easy Integration Into Production Studios and Playback Environments

The 112R MKII features rear-mounted RCA input and output jacks for easy connection to audiophile-quality sources.

Optional Balanced Connector Kit

If your input requirements include balanced or XLR connectors, the optional LA-112 connector kit will provide the additional inputs. After a simple installation procedure that requires no special tools, both balanced and unbalanced line inputs and outputs will be available, selectable with the flip of a back-panel switch.

Rear Panel-112R MKII



Parallel Port For External Control

A 25-pin parallel port provides a range of external control capabilities, including event stop-start and fader-start operation. Additionally, the 112R MKII provides a tape-end tally signal which allows coordinated multi-deck operation for continuous recording or playback with two or more decks connected in a chain.

SPECIFICATIONS

Track System:	4-Track, 2-Channel Stereo
Head Configuration:	1 Record/Repro combination (permalloy rotary head)/Half Track/1 ferrite Erase head
Tape Type:	Compact Cassette tape C-30 to C-90 (Normal/Cr02/Metal)
Tape Speed:	4.8 cm/sec (1-7/8 ips)
Motors:	DC servo capstan motor; 1 DC reel motor; 1 DC ancillary motor
Pitch Control:	±12% (approx.)
Line Input:	• Rear RCA jack/front 1/4" jack
Nominal input level:	-10 dBV (0.3 V)
Minimum input level:	-18 dBV (126 mV)
Input impedance:	20k ohms, unbalanced
	• XLR-type jack (optional; LA-112 connector kit required)
Nominal input level:	+4 dBV (1.23 V)
Input impedance:	10k ohms, balanced
Line output:	• RCA jack (rear)
Nominal output level:	-10 dBV (0.3 V)
Maximum output level:	-2 dBV (0.8 V)
Output impedance:	100 ohms
Load impedance:	25k ohms or more
	• XLR-type jack (optional; LA-112 connector kit required)
Nominal output level:	+4 dBV (1.23 V)
Minimum load impedance:	600 ohms
Headphone Output:	100 mW (8-ohm load)
Bias/Erase Frequency:	150 kHz
Equalization:	3180 μs + 70 μs (Cr02/Metal) 3180 μs + 120 μs (Normal)

Reference Recording Level:	250 nWb/m = 0 VU (315 Hz) (EIAJ);
With Dolby:	200 nWb/m = -1 VU
Remote Connector:	25-pin D-sub
Power Requirements:	120 V AC, 60 Hz (U.S./Canada model) 230 V AC, 50 Hz (Europe model) 240 V AC, 50 Hz (U.K./Australia model)
Power consumption:	23W
Weight:	8.7 kg (19-3/16 lbs)

TYPICAL PERFORMANCE

Speed Accuracy:	± 1.0%
Wow and Flutter ¹ :	less than 0.04% (WRMS)
Fast Winding Time:	Approximately 70 sec for C-60
Frequency Response ² :	(Overall, EIAJ, without NR): 25 Hz to 19 kHz, ±3 dB (Metal) 25 Hz to 18 kHz, ±3 dB (Cr02) 25 Hz to 17 kHz, ±3 dB (Normal)
Distortion ² :	less than 1.0% at 1 kHz, 160 nWb/m (Metal)
Signal-to-Noise Ratio (Metal tape):	60 dB (without NR, ref. 3% THD level, WTD) 70 dB (Dolby-B NR, over 5 kHz) 80 dB (Dolby-C NR In, over 1 kHz)
Channel Separation ² :	45 dB or better (1 kHz)
Erase Ratio ² :	65 dB or better (1 kHz)

In these specifications, 0 dBV is referenced to 1 Volt, and 0 dBm is referenced to 0.775 Volt. Actual voltage levels are shown in parenthesis.

- 1) Measurements made with TEAC test tape MTT-111
- 2) Measurements made with TEAC blank test tapes MTT-5571 (Metal), MTT-5562 (Cr02) and MTT-5512 (Normal).

Specifications and features subject to change without notice or obligation.



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