

PRODUCT OVERVIEW

The 112mkII is an advanced, professional cassette deck designed for discerning users who need a rugged machine like only TASCAM can deliver. The 112mkII's similarity to our venerable 122mkIII is more than just skin deep. The 112mkII is built on the same solid chassis and with the same focus on quality, but the 112mkII is designed to offer a more cost effective solution. The 112mkII is ideal for budget conscious studios, theater, broadcast or even advanced home studios. If you need a real workhorse cassette deck but can't break the bank, get the 112mkII.



- Dolby B and C with HX Pro Headroom Extension
- $\pm 12\%$ Pitch Control with Clear On/Off Switch
- Two Locate Points and Return To Zero Functions
- Headphone Output with Level Control
- RCA Analog I/O
- Front Panel Line Inputs
- Large Input Level Controls
- Large Output Level Control
- Precision VU Meters with Peak LEDs
- Auto-Input Monitor Selector
- Repeat Function
- Parallel Control Port
- Fader Start Function
- MPX Filter
- Optional RC-134 Remote Control
- Optional LA-112 Balancing Kit

APPLICATIONS

The 112mkII is more than just a pretty looking box. This cassette deck was built for continuous use by professionals.

Broadcast Facilities - Live Theaters

There are many situations where user primarily needs to use the cassette deck for playback, and the three head design offered in our more advanced machines will simply go to waste. The 112mkII can be the ideal deck offering top sonic performance characteristics and all the interfacing necessary to control the deck with broadcast consoles through the parallel control. The large, clear buttons and indicators are also very helpful when the pressure of the production gets thick. Plus, the rugged durability is comforting since we aren't always polite when we press play.

If balanced I/O or a regular remote control are needed, the optional RC-134 remote or LA-112 balancing kit will fill the needs.

Home Studios - Project Studios

Often times, reference mixes are dropped onto cassette since the media is far easier to work with than CD-R, and more ubiquitous than DAT or MiniDisc. The 112mkII will make masters that will knock your socks off. The simple pleasures of an RTZ function and two locate buttons with loop make auditioning songs, or certain parts of songs a breeze. Add the optional remotes or balancing kits where needed, and you've got the best value on a cassette deck available on the market.

SPECIFICATIONS

Performance Specifications:

| | |
|----------------------------|---|
| Track System: | 4 track, 2 channel stereo |
| Heads: | (1) Erase, (1) Record/Reproduce |
| Type of Tape: | Cassette C-60, C-90 |
| Tape Speed: | 1 7/8 ips, 4.76 cm/sec |
| Pitch Control: | Approx $\pm 12\%$ |
| Motors: | 1 DC servo capstan motor 1 DC reel motor 1 DC ancillary motor |
| Frequency Response: | 25Hz-19kHz ± 3 dB Metal 25Hz-18kHz ± 3 dB CrO2 25Hz-16kHz ± 3 dB Normal |
| Total Harmonic Distortion: | < 1% (1kHz, 160nWb/m) |
| Signal to Noise Ratio: | > 78dB Dolby C, 1kHz, 3% THD wtd > 68dB Dolby B, 5kHz, 3% THD wtd > 59dB Dolby off |
| Wow and Flutter: | < 0.04% (W RMS) ± 0.07 peak (DIN/IEC/ANSI wtd) |
| Bias/Erase Frequency: | 100kHz |
| Input RCA & 1/4": | -10dBu, 20kOhm |
| Line Output RCA: | -10dBu, 100 Ohm |
| Headphone Output: | 100mW + 100mW, 8 Ohm |

General Specifications:

| | |
|-----------------------|--|
| Power Requirements: | 120V AC, 60Hz (US/Canada Model) 230V AC, 50Hz (Europe Model) 240V AC, 50Hz (Australia Model) |
| Power Consumption: | 20W |
| Dimensions: | 482 x 132 x 356 mm 19" x 5 1/4" x 14" |
| Weight: | 8.7Kg, 19-3/16 lbs. |
| Optional Accessories: | Wired Remote (RC-134) Balancing Kit (LA-112) |

ARCHITECT'S SPECIFICATIONS

The cassette player/recorder shall utilize a two head cassette mechanism.

Inputs and outputs shall be provided on unbalanced RCA connectors on the rear panel. The option of balanced XLR connectors shall be provided by the optional LA-112 balancing kit. An additional pair of 1/4" inputs shall be located on the front panel. Levels shall be displayed on large VU meters with peak LEDs for accurate display of levels. The input level shall be controlled by separate left and right controls on the front panel. Stereo output level shall also be provided on the front panel for convenience. Headphone output with level control shall be provided on the front panel.

Monitor selection switch shall be provided on the front panel for selection between input monitor mode and automatic monitor mode. Dolby™ B and C noise reduction shall be implemented and switched from the front panel. An MPX filter shall be switchable from the front panel.

A pitch control will provide approximately ±12% range of pitch control, with a dedicated on/off control.

The cassette deck shall have dedicated buttons to access the RTZ function (Return to Zero) and two locate points. An additional separate button shall trigger the repeat function which will loop between locate 1 and locate 2.

A digital counter shall be used to display precise tape location.

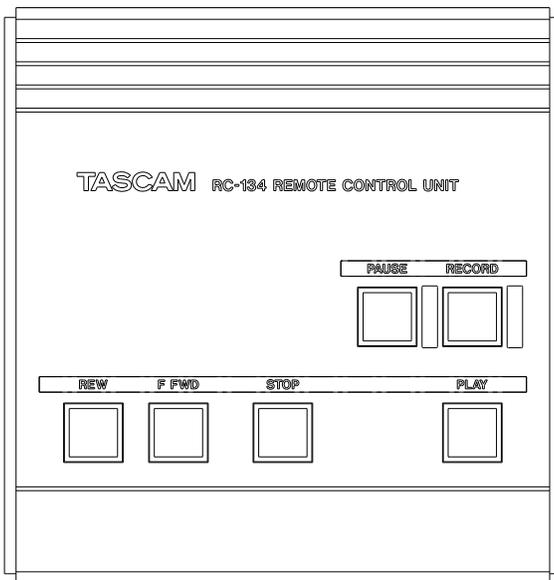
A parallel control shall be provided which can be used for remote control and tallies, and it shall be compatible with the TASCAM RC-134 remote control.

The cassette deck shall mount in a standard 19" rack mount form, taking three rack spaces. The cassette mechanism shall have dimensions of 19" x 5 1/4" x 14" (W x H x D).
Metric measurements : 482 x 132 x 356mm (W x H x D).

The unit shall be a TASCAM 112mkII cassette deck.

NOTE: This text is available in a standard text file on TASCAM's Sound Contractor CD-ROM. Contact TASCAM for details.

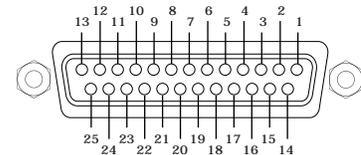
OPTIONAL REMOTE (RC-134)



PARALLEL I/O

| Pin | Signal |
|-----|----------------------|
| 1 | PLAY In |
| 2 | FFWD In |
| 3 | REW In |
| 4 | PAUSE In |
| 5 | STOP In |
| 6 | REC In |
| 7 | NOT USED |
| 8 | NOT USED |
| 9 | TAPE DIRECTION Tally |
| 10 | NOT USED |
| 11 | PLAY Tally |
| 12 | FF Tally |
| 13 | REW Tally |
| 14 | PAUSE Tally |
| 15 | STOP Tally |
| 16 | REC Tally |
| 17 | NOT USED |
| 18 | NOT USED |
| 19 | REEL PULSE |
| 20 | NOT USED |
| 21 | RTZ In |
| 22 | FADER START In |
| 23 | NOT USED |
| 24 | GROUND |
| 25 | +5V (Max 50mA) |

Control I/O Legend



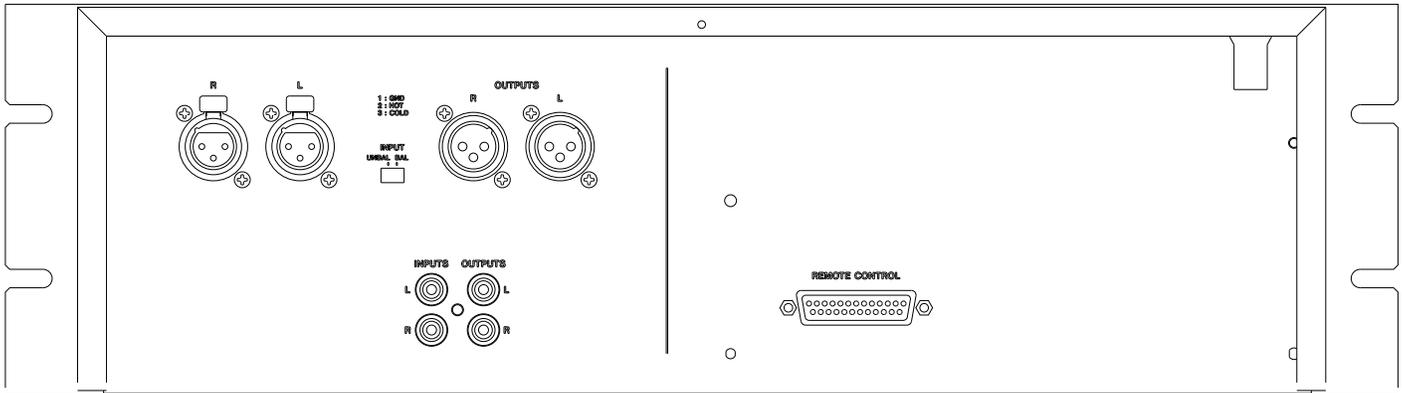
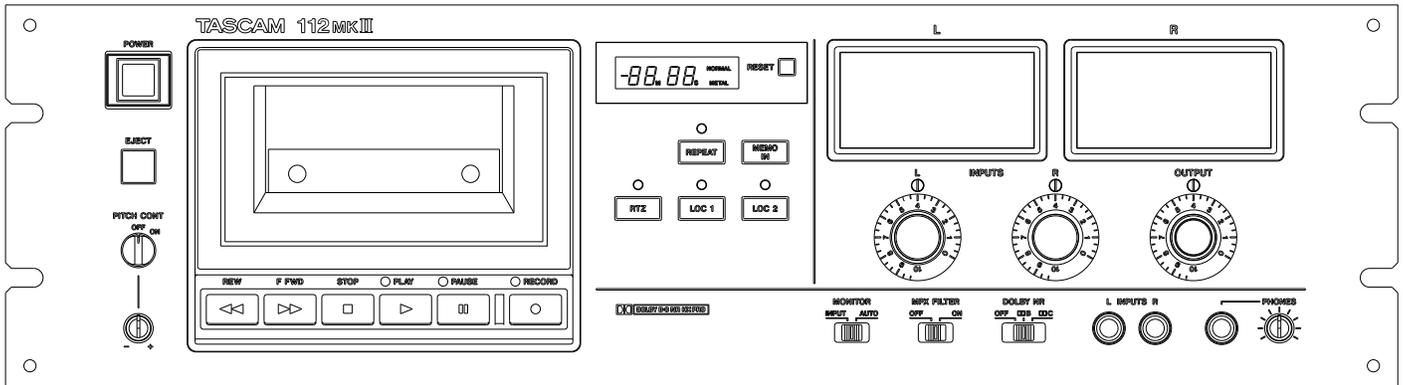
Parallel Control Notes:

All command controls are labeled as "in" on the chart at left. The commands are active when brought to ground for more than 50 milliseconds or longer.

FADER START pin (22) operates as a latched function. Playback begins when the pin is brought to ground for more than 50 msec, and stops when the ground is released for more than 50 msec.

Tally outputs indicates the corresponding transport function when the pin is brought to ground.

FRONT AND BACK PANEL



112mkII rear panel shown with optional LA-112 balancing kit.