

TASCAM

TEAC Professional Division

112B

Stereo Cassette Deck



OWNER'S MANUAL

5700119500

Introduction

Thank you very much for purchasing the TASCAM 112B Master Cassette Deck.

In addition to all the facilities of the TASCAM 112 with its excellent reputation as a master cassette deck used for creative sound, the TASCAM 112B has balanced input/output terminals for use together with balanced equipment. The front panel, operations and basic performance are exactly the same as those of the TASCAM 112; however, the layout of the rear panel is slightly different. This manual mainly describes the rear panel.

We suggest that you read this manual together with the provided Owner's manual of the TASCAM 112 thoroughly before using the machine. Careful study will allow you to exploit the full performance of the machine and extend the useful life of the TASCAM 112B.

Recording is an art as well as a science. A successful recording is often judged primarily on the quality of sound as art, and we obviously cannot guarantee that. Your skill as a technician and your abilities as an artist will be significant factors in the results you achieve.

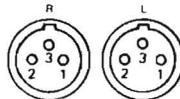
*Dolby noise reduction and HX PRO headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX PRO originated by Bang and Olufsen. "Dolby", the double-D symbol and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

Rear Panel Connections

- ➊ **OUTPUT (L/R) RCA Jacks, Unbalanced**
See #21, page 8 of the supplied manual which was originally compiled for the 112 deck.
- ➋ **INPUT (L/R) RCA Jacks, Unbalanced**
See #19, page 7 of the 112 manual.
- ➌ **REMOTE CONTROL Connector**
See #20, page 7 of the 112 manual.
- ➍ **OUTPUT (L/R) XLR Connectors, Balanced**
For connection to the +4 dBm inputs of a mixer in order to monitor the mixdown process; or, they can directly feed your +4 dBm amp/speaker system, depending on the applications.

There is no need to unplug the unbalanced output connections when you use the balanced outputs. Both outputs are active at the same time, carrying the same signal.

Pin Assignment:



Pin 1 is shielded (GND), pin 2 is cold ("−"), and pin 3 is hot ("+").

These connectors use an active balanced circuit (transformerless).

Short-circuiting pins 1 and 2 may *unbalance* the XLR outputs.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



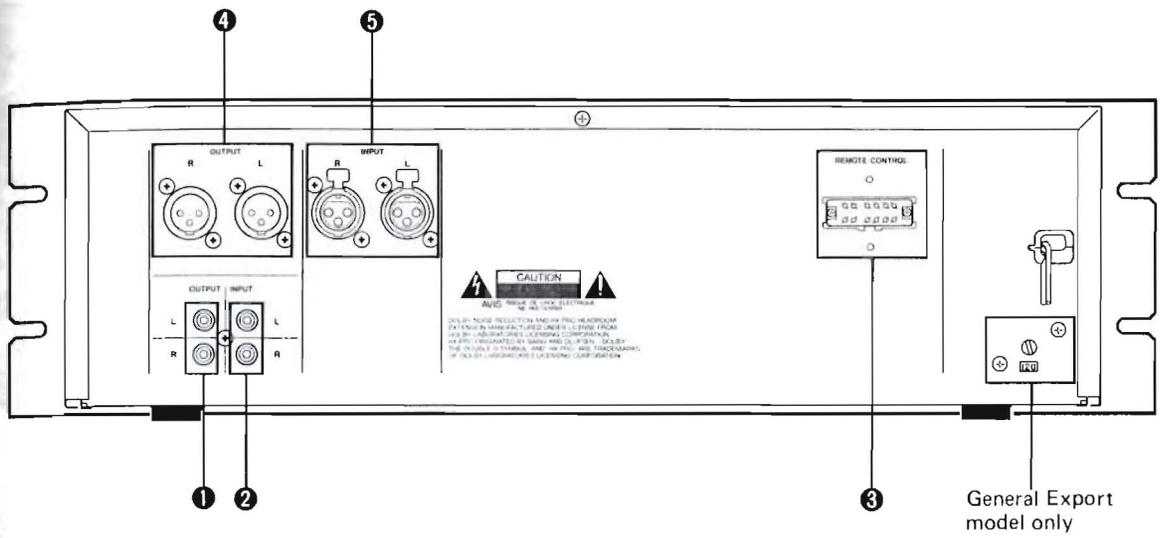
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.
Model number _____
Serial number _____

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



5 INPUT (L/R) XLR Connectors, Balanced

Typically, they may be used to accept the +4 dBm stereo outputs from a mixer at mix-down time. Signals from any other devices with +4 dBm nominal output level can also be connected to these connectors, as required.

Remember, both the balanced and unbalanced inputs are effective at the same time. For the balanced inputs only to be active, either set the INPUT REAR/FRONT select switch to FRONT and unplug whatever is connected to the 1/4" INPUT jacks on the front, or set the INPUT switch to REAR and unplug whatever is connected to the RCA input jacks on the rear panel.

Specifications

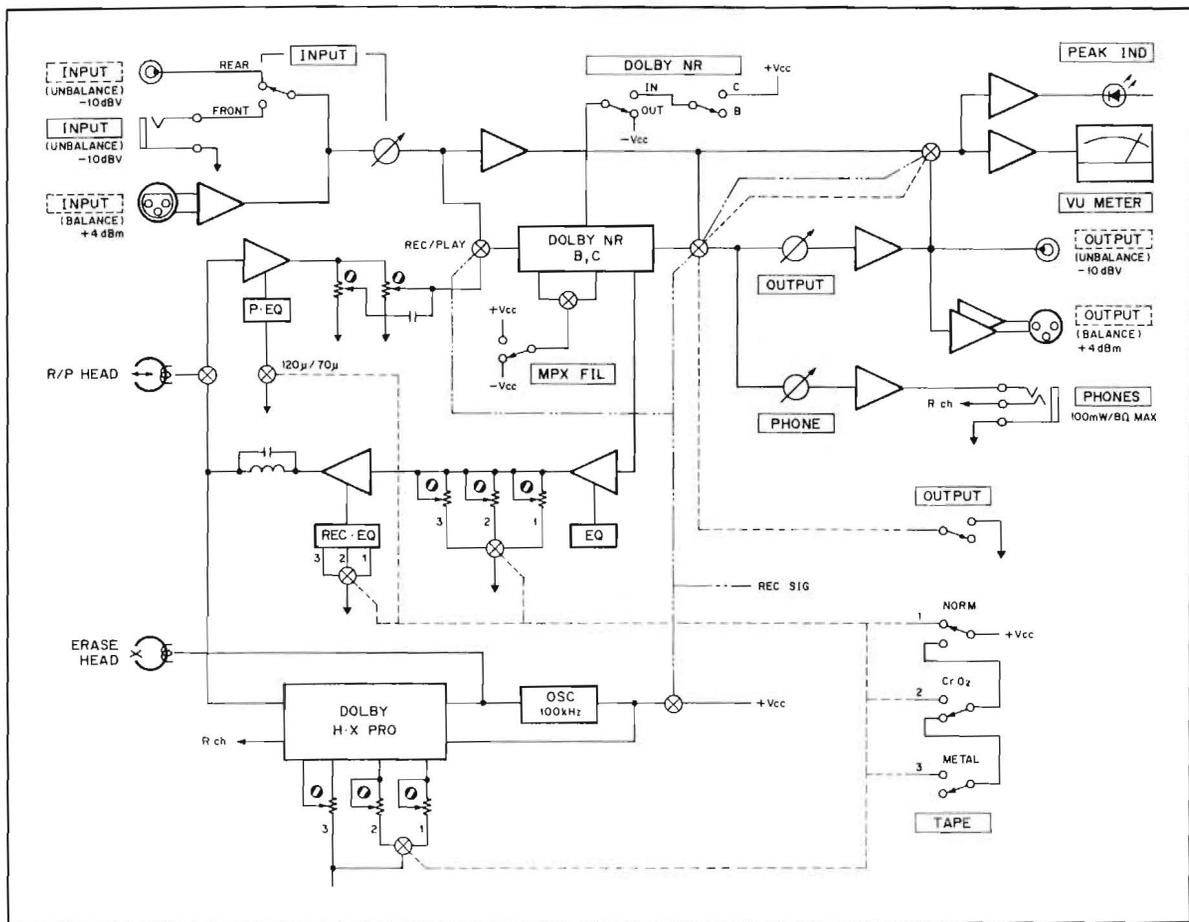
- Line Input (XLR), Balanced**
- Input Impedance: 10k ohms
- Nominal Input Level: +4 dBm (1.23 V)
- Line Output (XLR), Balanced**
- Minimum Load Impedance: 600 ohms
- Output Impedance: 100 ohms
- Nominal Output Level: +4 dBm (1.23 V)
- Power Consumption:** 20 W

Changes in specifications and features may be made without notice or obligation.

THE APPLIANCE CONFORMS WITH EEC DIRECTIVE 87/308/EEC REGARDING INTERFERENCE SUPPRESSION

CONFORME AL D.M. 13 APRILE 1989 DIRETTIVA CEE/87/308

Block Diagram



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