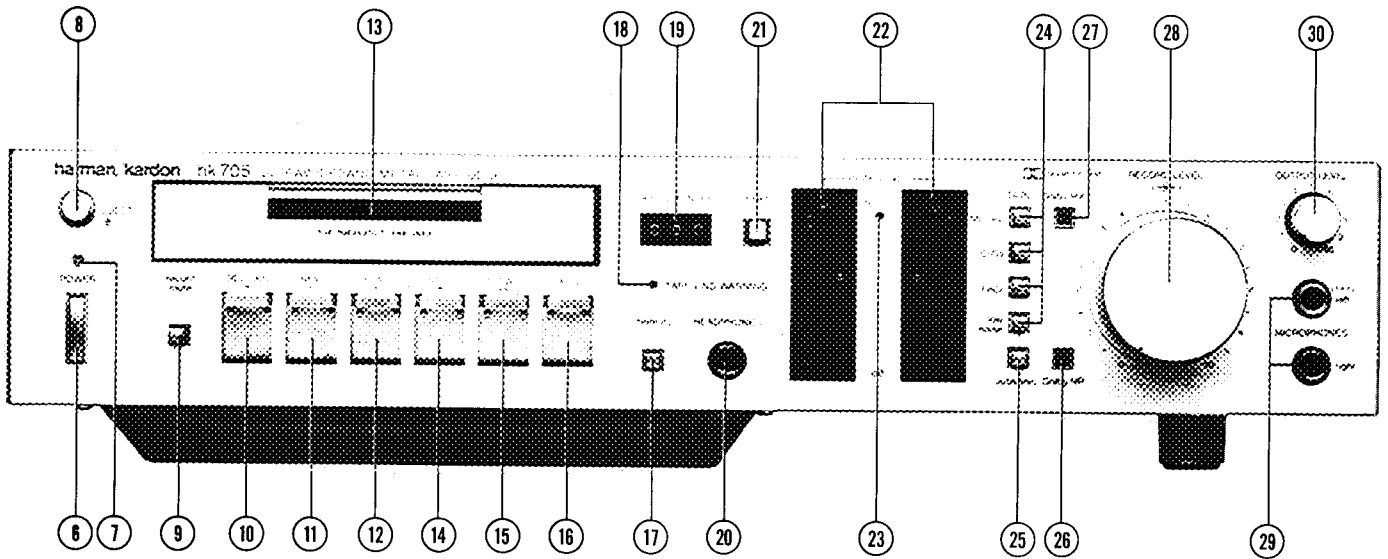
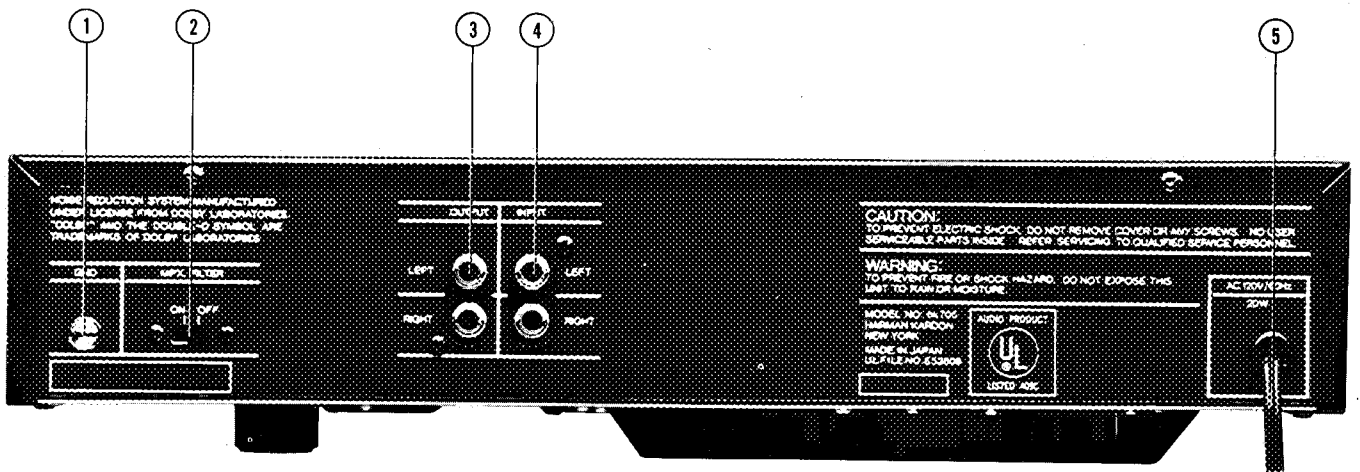
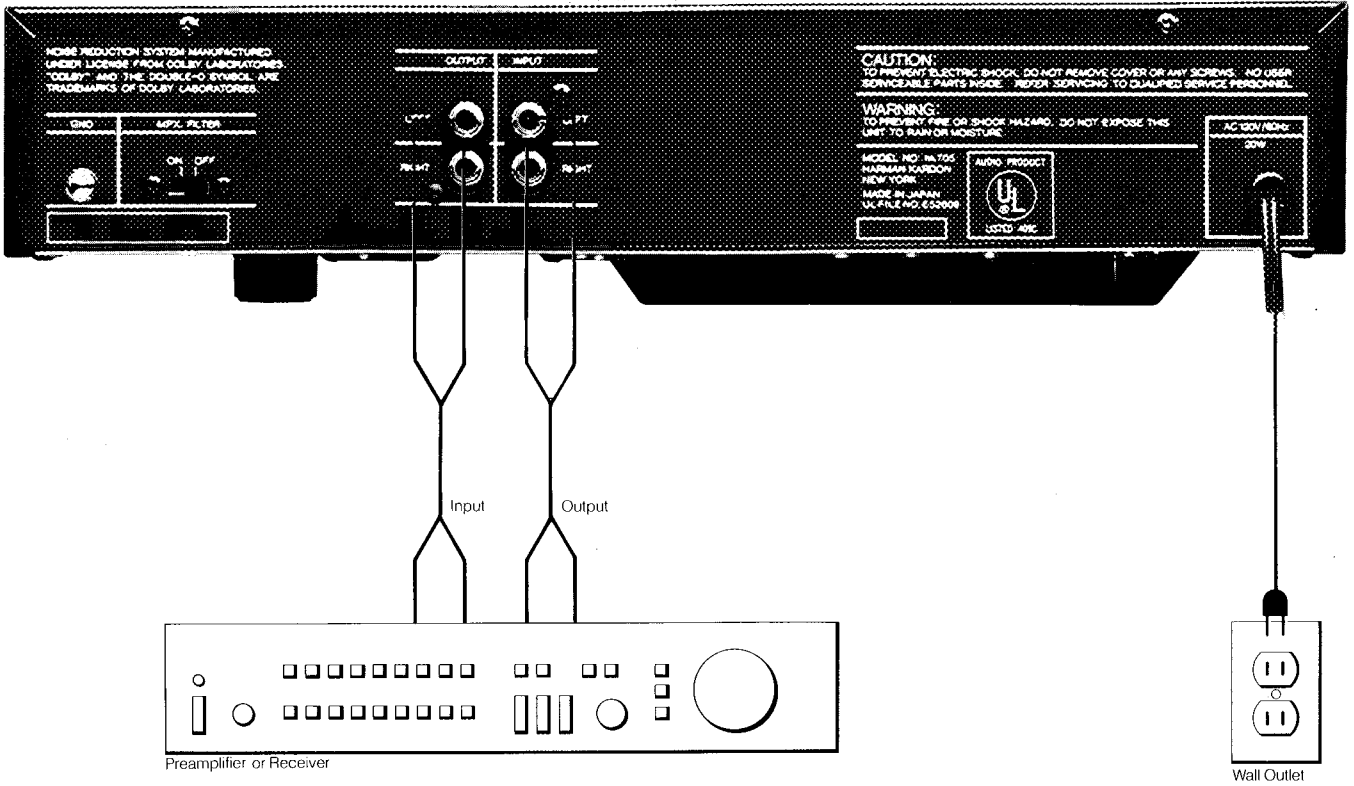


harman/kardon hk705

owner's manual  
manuel d'utilisation  
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## Owner's Manual hk705.

Your investment in a component high fidelity system indicates that you have a more than average interest in music. The fact that your investment includes a Harman Kardon Ultrawideband Metal Tape Deck shows us your appreciation of uncompromised reproduction of the music you enjoy. Throughout the design and manufacture of this unit, we made every effort to assure it will meet all of your expectations.

To ensure continuing high performance, read this manual carefully before you connect and operate your hk705 tape deck.

## Connections

For the moment, leave the POWER LINE CORD (5) of the 705 unconnected. Put the unit on the table or shelf where it will be installed. Leave enough working space so you can make all the connections easily.

The 705 requires adequate ventilation. It should not be installed on a cushion or rug and a minimum of 2 inches (5cm.) clearance should be provided. (However hk700 series components may be stacked.)

### Connecting the hk705 to your preamplifier or receiver.

Like most stereo equipment, your hk705 is fitted with pin type RCA connectors. Using standard pin type RCA patch cords (provided), connect the left OUTPUT connector (3) on your hk705 with the left tape input connector on your preamplifier or receiver. Connect the right channels similarly.

Using a second set of patch cords, connect the left INPUT connector (4) of the hk 705 to the left tape output connector of your preamplifier or receiver. Connect the right channels similarly. Push the plugs in all the way so they are firmly seated, making good electrical contact.

If your preamplifier or receiver does *not* accept pin type RCA connectors, consult your audio dealers for patch cords with proper adapters.

### Power connection.

If you have completed the connections above, you are now ready to place the hk705 in its permanent position and plug the POWER LINE CORD (5) into an AC outlet. To turn the unit on and off, press the POWER switch (6). When power is on, the POWER indicator (7) will light.

### Controls on the hk705.

Before using your cassette deck, it's important that you familiarize yourself with the various controls on the front panel.

### Tape counter and reset.

The TAPE COUNTER (19) is used for accurate location of particular passages on a tape. At the beginning of a tape, press the TAPE COUNTER RESET button (21) and the TAPE COUNTER (19) will return to "000". By keeping track of the TAPE COUNTER readout (19), you can easily return to any passage you like.

### Memory rewind.

The hk705 incorporates a special memory rewind that helps you locate a preset point on the tape automatically. Once you've reached the point on the tape you'd like to return to, press the TAPE COUNTER RESET button (21) returning the TAPE COUNTER (19) to "000". To return to this point automatically at any time, simply press the MEMORY pushbutton (17) before you use the REWIND lever (11). The tape will automatically stop when the TAPE COUNTER (19) reaches "999", ensuring that you'll hear the very beginning of the passage you've selected.

**Note:** The memory feature on the hk705 retains only one preset point at a time—selecting a new preset point clears the memory of the previous selection. Also, be sure to push the MEMORY pushbutton (17) to its "off" position (out) when you're through, otherwise you won't be able to rewind to the beginning of the cassette.

### Tape selector.

The hk705 is equipped to play and record all types of tape formulations presently available, including the new metal tapes. To get the best possible performance from the tape you're using, choose the appropriate button from the TAPE SELECTOR pushbuttons (24). "Low noise" for ferric tapes: FeCr for Ferrichrome tapes, CrO<sub>2</sub> for chromium dioxide tapes, metal for metal tapes.

### Output level control.

A convenient OUTPUT LEVEL control (30) is incorporated into the hk705 to match the output level of your tape deck with all your other equipment. This prevents sudden loud volume levels when switching from one program source to another.

### Subsonic filter.

Occasionally, turntables can produce very low frequency noises due to record warp or turntable rumble. To eliminate these noises during recording, press the SUBSONIC FILTER pushbutton (25) to its "on" position (in). The subsonic filter is inoperable during playback.

### Tape end warning.

The TAPE END WARNING indicator (18) will begin to flash when there is approximately three minutes of tape left. As the tape gets nearer the end, the indicator flashes faster.

### Headphones.

During recording, you may wish to monitor the program source with headphones. The jack marked HEADPHONES (20) is included for this purpose. We recommend low impedance headphones (less than 1000 ohms).

### Dolby\* HX and Dolby NR.

The hk705 incorporates the new DOLBY HX headroom extension circuitry as well as Dolby NR circuitry. Together, they provide a big improvement in signal-to-ratio and dynamic range.

To record with the DOLBY HX process, press both the DOLBY HX pushbutton (27) and the DOLBY NR pushbutton (26) before recording.

When playing back a DOLBY HX recorded tape, it is not necessary that the DOLBY HX pushbutton (27) be in its "on" position (in). It *is* necessary to have the DOLBY NR pushbutton (26) in its "on" position (in) for proper decoding.

The hk705 will play tapes previously recorded with the standard DOLBY NR process with no loss of quality. Just make sure the DOLBY NR pushbutton (26) is in its "on" position (in).

**Note:** For optimum quality recordings from FM broadcasts, make sure the MPX FILTER switch (2) on the rear panel is in its "on" position.

### To listen to cassette tapes.

Set the function switch of your preamplifier or receiver to the proper tape function. Press the EJECT button (8) on your hk705, and the CASSETTE DRAWER (13) will automatically open. Carefully seat the cassette in the CASSETTE DRAWER (13) with the exposed portion of tape facing out from the front of the deck, and the full spool to your left.

The hk705 incorporates a special motor driven mechanism that automatically closes the CASSETTE DRAWER (13) and engages the transport mechanism. **Do not push** the CASSETTE DRAWER (13) closed. A light touch of the finger will activate the closing mechanism. If the cassette has not been properly inserted, the CASSETTE DRAWER (13) will not close properly. The transport will automatically eject the cassette after five seconds. Reload the cassette properly, touching the CASSETTE DRAWER (13) to close it.

Once the CASSETTE DRAWER (13) has closed, press the PLAY lever (12) and the cassette will begin to play.

To rewind the cassette or return to a previous passage, press the STOP lever (14), then the REWIND lever (11) and allow the tape to rewind to the appropriate point. Then press the STOP lever (14) again before pressing the PLAY lever (12).

\*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

To skip passages or to wind the cassette to its end, press the STOP lever (14), then the FAST FORWARD lever (15) and allow the tape to wind forward to the appropriate point. Again, make sure you press the STOP lever (14) before the PLAY lever (12).

To remove your cassette from the cassette deck, press the STOP lever (14), then the EJECT button (8). The CASSETTE DRAWER (13) will automatically open and you may remove the cassette.

### To record cassette tapes.

Before recording any tape, it's important to understand the function of the RECORD LEVEL control (28) and the PEAK LEVEL display (22).

When recording any material to any tape, the RECORD LEVEL control (28) should always be adjusted as high as possible without the PEAK LEVEL display (22) indicating more than 0 dB on the scale.

When recording with the DOLBY HX process, the RECORD LEVEL control (28) may be adjusted so that the PEAK LEVEL display (22) indicates a maximum of +3 on the scale.

To record a cassette, set the function switch of your preamplifier or receiver to the program source you wish to tape from. Load a blank cassette as described above, making sure the cassette is rewound to its beginning. To record, press the PLAY lever (12) and the RECORD lever (10) simultaneously. The RECORD indicator (23) will light any time the cassette is in the record mode.

During recording, there may be passages in your program source you wish to omit from your tape. To edit these pages out, press the PAUSE lever (16) to stop the recording process, then, when you wish to continue recording, press the PAUSE lever (16) again.

Pressing the RECORD MUTE pushbutton (9) during recording will defeat the program source, but allow the deck to continue recording a blank signal.

### Live recording.

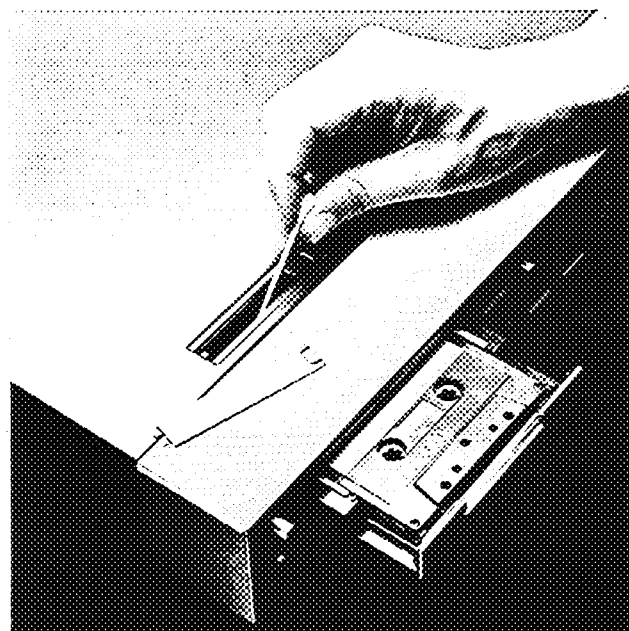
The front panel MIC jacks (29) accept low impedance microphones (600 ohms or less) for live recording. For recording with microphones, plug the microphones into the MIC jacks (29) and adjust the record level control as described above.

### Record tabs

The plastic case on every blank cassette features record tabs. These are found on the TOP LEFT side of the cassette when you hold the cassette with the exposed portion of tape facing down and the appropriate side facing you. To preserve a recording from accidental erasure, break off the appropriate record tab with a small screwdriver. To re-record over a cassette where the tabs have been removed, cover the appropriate tab hole with a piece of adhesive tape.

### To erase recorded material.

Recording new material automatically erases previous material. To erase a cassette without recording new material, remove any microphones attached to the MIC jacks (29) and set the RECORD LEVEL control (28) to "0". Then follow the instructions for recording using no program source.



### Cleaning capstan and heads.

The capstan and heads on your cassette deck should be cleaned after every 100 hours of use to prevent the accumulation of dirt and other materials that could interfere with recording and playback quality.

To clean the heads and capstan, first turn the unit off. Press the EJECT button (8) and allow the CASSETTE DRAWER (13) to open. Remove the TAPE HEAD CLEANING door and clean the heads and capstan as shown in the illustration, using a cotton swab and head cleaning fluid.

### **Operation precautions.**

- 1 Before placing a cassette in the CASSETTE DRAWER (13), be sure the power has been turned on.
- 2 Do not push the CASSETTE DRAWER (13). A light touch of the finger will activate the automatic closing mechanism.
- 3 If the cassette is improperly positioned in the CASSETTE DRAWER (13), the PLAY switch (12) will not activate properly. After five seconds the cassette will be ejected automatically. Simply remove the cassette and reposition it in the drawer. NEVER FORCE THE CASSETTE INTO THE CASSETTE DRAWER (13) FOR ANY REASON.

### **Maintaining appearance.**

Clean the metal panel with mild, diluted detergent applied with a soft cloth or cotton swab. Never use a strong abrasive cleaner.

Remove dust or smudges from the acrylic front window with diluted glass cleaner applied with a soft cloth. Do not use a strong solvent type cleaner or ammonia.

The hk705 cassette deck is a high-quality precision instrument. If the directions in this manual are followed thoughtfully, the cassette deck should provide many years of musical pleasure.