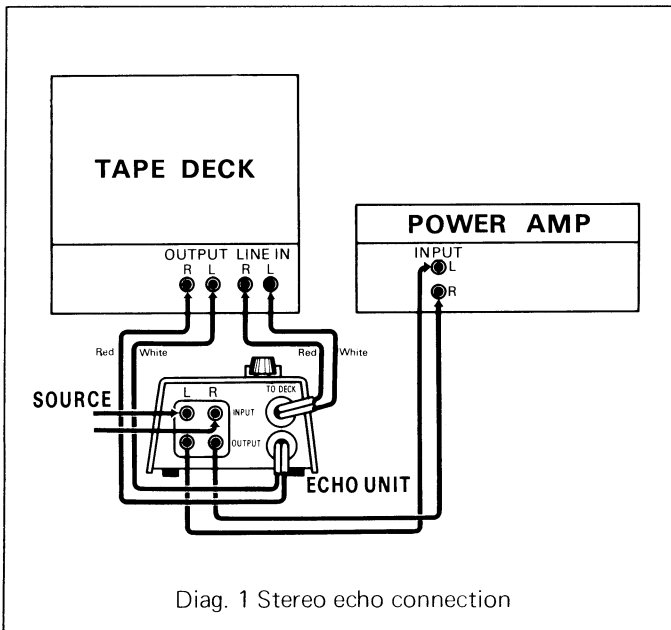


1. Stereo Echo Recording

Connect the AX-10 between the tape deck and the pre-main amplifier as shown in diagram 1. Make certain that left and right channels are properly connected. (Red = right, White = left)



NOTE:

Source input may be connected to tape deck record jacks of most amplifiers/receivers.

- A. Depress the OFF button of the AX 10.
- B. Set Echo unit Impedance Switch to HIGH or LOW to match the output impedance of the source, (in this case a tape deck). When using other sources such as phono, tuner, etc., experiment between the high and low settings for best sound quality.
Set to LOW for less than 100k ohms, for example TEAC Model A-6010, A-7010 or A-7030 and for TEAC Model A-4010S, from serial No. 86341 and up.
Set to HIGH for equipment with an output impedance greater than 100k ohms.
- C. Set the tape deck monitor switch to SOURCE and adjust the recording volume to a level for the best sound quality of signals from the tape deck, tuner, microphone, etc. (With LINE IN control or source volume control). After obtaining the optimum recording level, mark the position of the setting and reduce the recording source signal level to zero.
- D. Place the AX-10 in the STEREO ECHO mode by depressing both ADD 1 and ADD 2, rotate LEVEL control fully clockwise.
- E. Set the tape deck monitor switch to TAPE and rotate the tape deck OUTPUT control fully counterclockwise.
- F. Thread tape on tape deck and start it in the record mode (no signal in) at the desired speed. (Lowering the tape speed will extend the time lag of the echo.)
- G. Slowly advance the tape deck OUTPUT control and set it at the point just before "Echo noise" (oscillation) is heard. (Echo noise may not be obtained when output from the tape deck is insufficient).
- H. Reset the signal source level to the setting marked in step C above. Rotate the AX-10 LEVEL control fully counterclockwise.

- I. Start tape deck in recording mode and record signal from source.
- J. Slowly advance the AX-10 LEVEL control until the desired amount of echo effect is obtained, advancing the control will increase the echo effect, retarding the control will reduce the amount of echo.
- K. To eliminate the echo effect, fully retard the LEVEL control to avoid the possibility of recording switching clicks, then depress the OFF button.

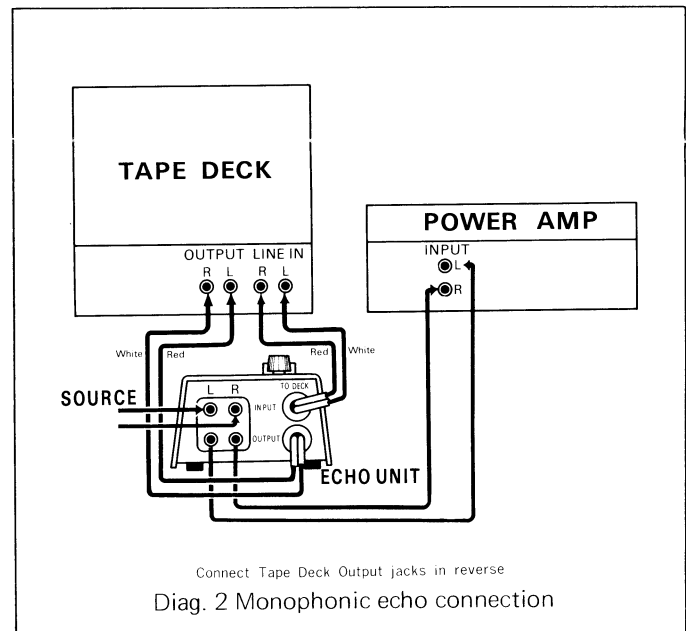
NOTE:

- 1) Once the LINE or MIC volume control, the OUTPUT control and the MONITOR switch are properly set, they should not be touched again during recording.
- 2) The AX-10 LEVEL control should be fully retarded before depressing the OFF button to prevent recording of switching clicks.

2. Mono Echo Recording

Echo Recording in monophonic is accomplished by reversing the left and right channel cable connections at either the LINE IN jacks or the OUTPUT jacks of the tape deck, and depressing ADD 1 for applying echo on signals recorded on L channel (track 1), or ADD 2 for echo on R channel (track 3) (Diag. 2)

Other procedures are the same as Stereo Echo Recording, except that the tape deck is put in the mono recording mode.



3. Sound on Sound (ADD 1) Recording

- A. Connection between the AX-10, tape deck and power amplifier are the same as with Stereo Echo (Diag. 1).
- B. Make a monophonic recording, (with a microphone or source input) on L channel (track 1) by setting the tape deck controls for L channel recording.

Assuming that the original recording is now on the Left channel on the tape, steps A. and B. have been completed, proceed with the following steps:

- C. Prepare the equipment and material for the second recording. If the material is from another deck or an amplifier, connect the input through the pin jack on the AX-10 labeled INPUT R. The signal from the recorded Left channel will go from the deck's Left output jack through the AX-10 Left OUTPUT cable into the AX-10. After

passing through the LEVEL controls potentiometer, this signal is mixed with the 2nd input at the points indicated on the enclosed diagram. (When tracing this signal, the ADD-1 switch is closed). The mixed signal goes through the R=INPUT cable to the deck's Right Input.

If microphone commentary is desired, connect the mic to the Right MIC input jack. This can be added with or without the additional line input. If only Mic input is to be added to the original recording, dis-connect the pin jacks labeled SOURCE in Diag. 1.

D. Rewind the tape. Select TAPE monitoring. Place the RECORD MODE switches: L = OFF, R = up (ON). Place all level controls (MIC, LINE and OUTPUT) to mid-range or the 2 o'clock position until proper levels are determined. On the AX-10, have the LEVEL control maximum clockwise and depress the ADD-1 switch.

E. Make a preliminary S on S recording to establish proper levels. The signal transferring from the Left channel to the Right channel is affected by the L Output control, the AX-10 LEVEL control and the LINE input control R

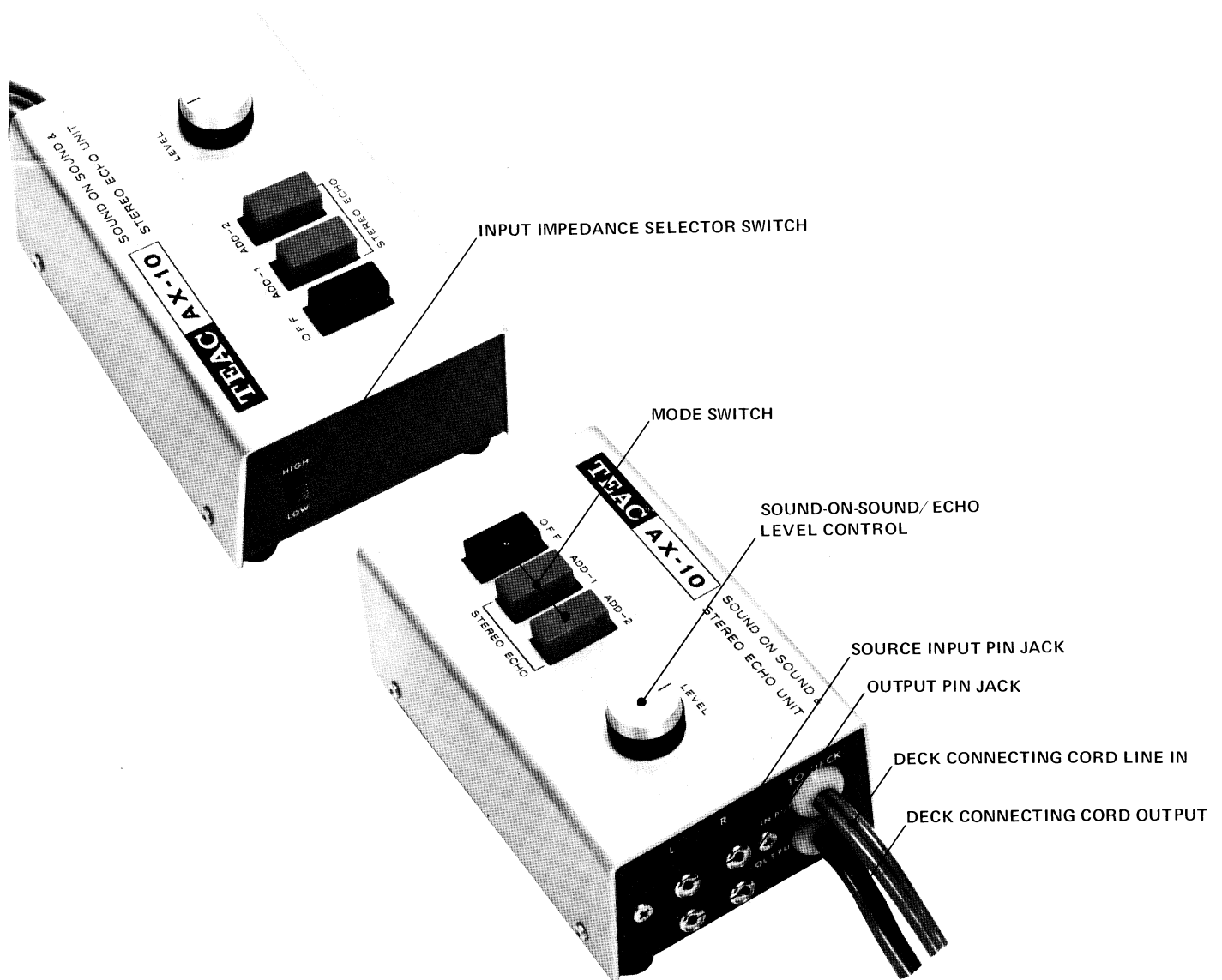
section. The MIC input level is affected only by the MIC level control. However, the recording level of the second (line) source is also affected by the Output controls of the other playback deck or cassette, if any. The problem then is to balance all these level controls to obtain the desired relationship between the programs and to maintain a recording level below the red line on the Deck's Right UV Meter.

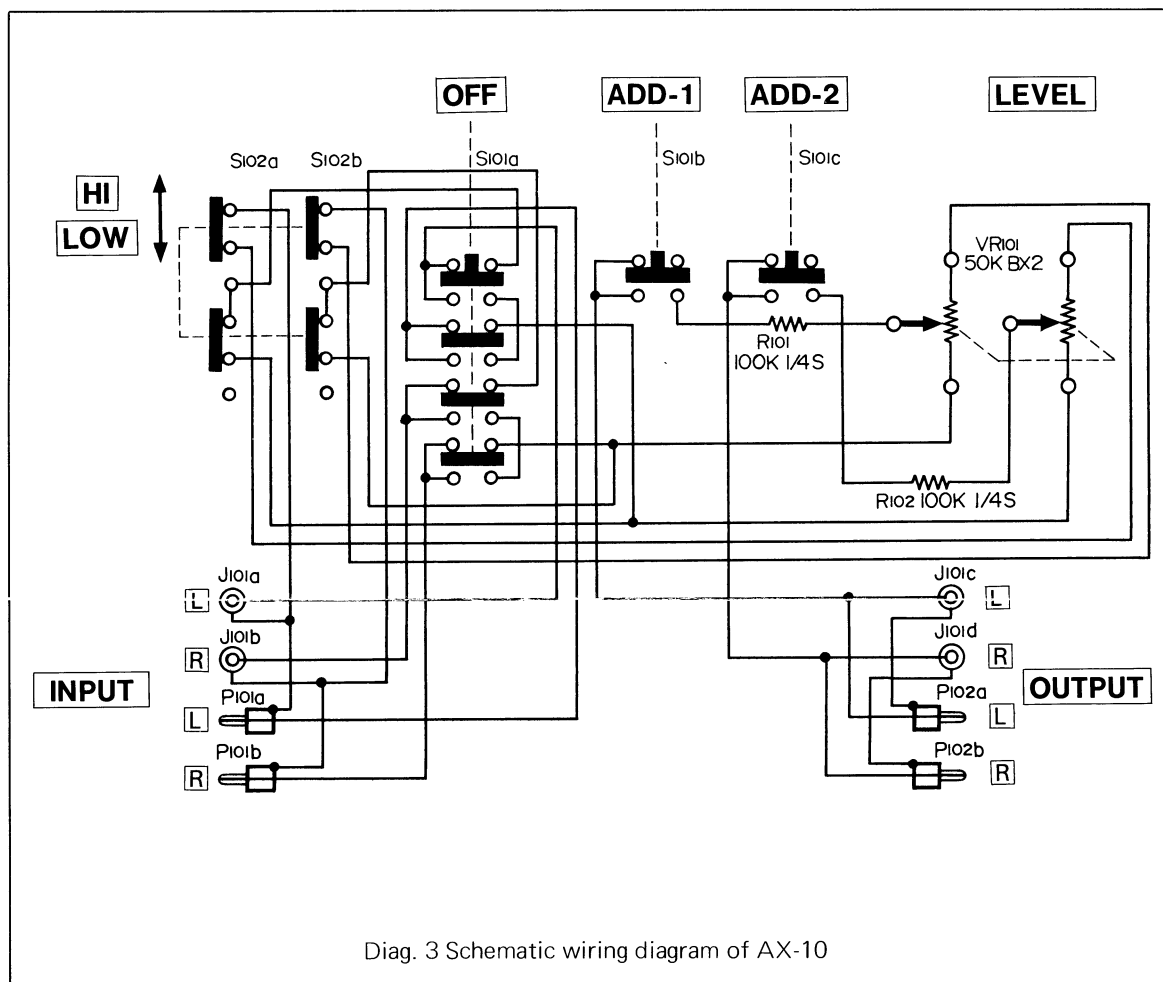
F. After levels and relationships are established, rewind the tape and begin recording.

NOTES:

- 1) For fading in/out of the Left channel source, use the Left output level control, but compensate by raising or lowering the Right channel recording level control.
- 2) Monitor only the Left channel earphone to provide synchronization.
- 3) To copy from Right to Left, use the ADD-2 switch and put your new material in through the Left Input pin jack. Monitor with the Right Earphone.
- 4) Only monophonic Sound on Sound can be accomplished.

Features subject to change without notice.





TEAC CORPORATION

3-7-3, NAKA-CHO, MUSASHINO, TOKYO PHONE: (0422) 53-1111

TEAC CORPORATION OF AMERICA

7733 TELEGRAPH ROAD, MONTEBELLO, CALIFORNIA 90640

PHONE: (213) 726-0303

TEAC HONGKONG LIMITED

FLAT 78, PORTLAND HOUSE, 7TH FLOOR, BLOCK C, No. 41-D, MA TAU WEI ROAD,

KOWLOON, HONG KONG PHONE: 3-659071~4