



HOW TO PLAY YOUR

CHANNEL MASTER

6-TRANSISTOR PORTABLE TAPE RECORDER

MODEL 6545

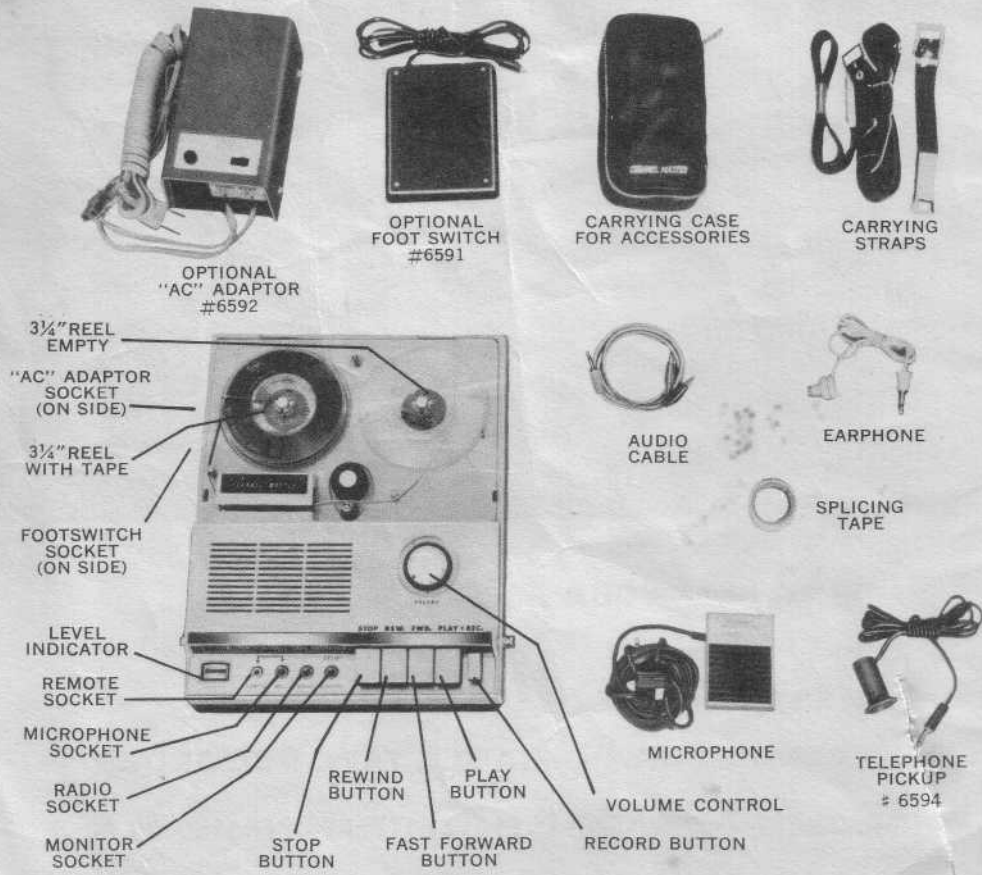
2-WAY PLAY: BATTERY-OPERATED OR AC

Your Channel Master Tape Recorder is a highly sensitive, precision-quality, battery-operated instrument that can be carried and played anywhere. It is designed to give you a lifetime of fun, pleasure, and practical use.

You (and your family) can (1) talk, sing, or play an instrument into it... (2) pick up your favorite radio or TV (audio) programs... (3) even reproduce hi-fi records from your own phonograph; then play everything back, loud and clear, at your convenience.

You can play back this same recorded tape as often as you wish, or you can automatically **erase** the tape and start clean and fresh. You can get up to 60 minutes of playing time on a single tape (both sides). See section on tapes.

Using this tape recorder is literally child's play—even a youngster can play it with pushbutton ease.



OPERATING INSTRUCTIONS

Your unit will operate off of either of the following power supplies:

- Channel Master AC adapter (available optional equipment)
- 6 C size batteries

TO INSERT BATTERIES:

1. Turn recorder upside down.
2. With a coin loosen battery cover lock ($\frac{1}{4}$ turn)
3. Place 3-C size batteries in each plastic tube, following the diagram on the printed sheet in the bottom of the battery case.
4. Insert the loaded tubes as indicated, on top of plastic tab, leaving a portion of excess tab out for subsequent easy removal of batteries.
5. Replace battery cover and lock.
6. To check battery condition:
 - A. Turn recorder right side up.
 - B. Press "Play" button
 - C. Note "Indicator" on left side of Control Panel. Needle should be in blue area of line marked "BATT". If needle is in "Red" area a battery or batteries may have been inserted improperly (reversed), or the batteries are weak.

TO THREAD TAPE:

1. Open tape cover (Black section hinges)
2. Place empty reel on right hand side with Side #1 facing up. The numbers are molded in the reel and are a convenience for identifying your recordings. Place full reel on left side with #1 facing up.
3. Thread as per Fig #1
4. Make one or two turns by hand on the take up reel to insure tension. Shiny side of tape should always face capstan.

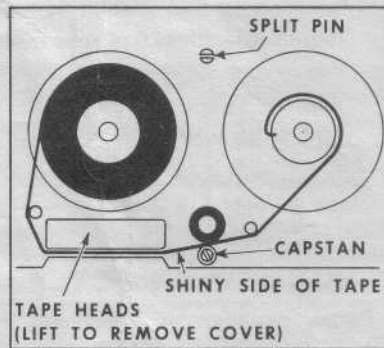


FIG.1

TO RECORD BY MICROPHONE:

1. Plug mike into socket marked **mic** on control panel of recorder.
2. Set Volume Control on #4 (Temporary setting).
3. To set recording level (volume): Depress Remote Control Button located on mike and push toward position marked OFF. This will prevent tape from

recording while setting level (volume) of recording. With the button in the off position press down Play and Record buttons on control panel simultaneously. Then check the needle reading on the level indicator located on the extreme left of the Control Panel. If, with the mike placed in the position you desire, the voice or music is at the approximate volume at which you wish to record the needle should remain in the blue area. If it is in red area, correct by doing one (or a combination) of the following:

- A. Adjust volume control knob on front panel.
- B. Move mike further away from source.
- C. Reduce volume of source.

With a little experience you will become proficient with this adjustment.

4. Release Remote Control button on mike by sliding switch away from "off" position. The tape will start to move and you are now recording.
5. To stop recording temporarily press Remote Control button as per #3. When finished recording press "Stop" button.

TO PLAY BACK:

Push Rewind button to rewind the amount of tape you wish to play back, then press "Stop" button. Then press "Play" button. Machine will now play back recording. If private listening is desired simply plug in Earphone (provided) to "Monitor" socket. This will automatically cut out tape recorder speaker.

CAUTION: When recording, you automatically **erase** what has been previously recorded on that portion of the tape on which you are currently recording. Therefore—unless it is your intention to erase previously recorded material—keep pushing "Rew"(rewind)and "Play" buttons **alternately**, to find exact point on tape at which you desire to record. While using Play and Rewind buttons **be sure to press "Stop" button between changes of direction.**

FWD—(Forward) button rapidly advances tape in same direction as "Play" but without sound.

TO RECORD DIRECTLY:

(Radio, Phonograph, Television, HiFi) Remove microphone if connected. Put plug from Audio Cable (provided) in "Radio" socket located on Control Panel of tape recorder. Attach other end to speaker terminals (as per Fig 2) of Radio, TV etc. Push down Play and Rec button and adjust volume control to obtain proper level. Playback on direct recording is same as previously described.

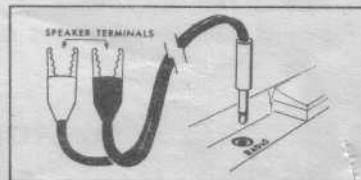


FIG. 2

TO RECORD FROM TELEPHONE:

To record both ends of a telephone conversation place plug from telephone pickup (provided) in socket marked Mic, place suction cup of pickup coil on ear-piece of telephone and follow normal recording procedure.

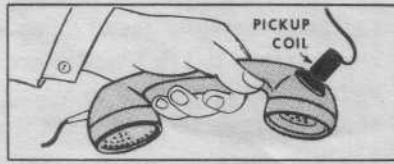


FIG. 3

TO CHANGE TAPES:

Your tape recorder is equipped with a two track recording head, therefore you are using one-half of the tape width at a time. After recording one side, the reels can be turned over to side #2, rethreaded and further recording made. The system is similar to spool type 8mm movie cameras.

TAPE TYPES:

1. Your tape recorder is designed to use (and is provided with two) 3 1/4" reels.
2. Tapes for use with this machine are available in various thicknesses and materials. Generally speaking the thicker the tape, the fewer amount of feet on a reel, and thus less playing time per reel. The chart below will provide a guide in selecting tape thickness.

| Thickness | Speed | Playing Time (each half) | Speed | Playing Time (each half) |
|-------------------------------------|-----------|--------------------------|-----------|--------------------------|
| STANDARD 300 FT. 3 1/4" REEL | | | | |
| 1/2 Mil | 3 3/4 IPS | 15 Minutes | 1 7/8 IPS | 30 Minutes |
| 1 Mil | 3 3/4 IPS | 11 Minutes | 1 7/8 IPS | 22 Minutes |
| 1 1/2 Mil | 3 3/4 IPS | 7.5 Minutes | 1 7/8 IPS | 15 Minutes |
| NEW 600 FT. 3 1/4" REEL | | | | |
| 1/2 Mil | 3 3/4 IPS | 30 Minutes | 1 7/8 IPS | 60 Minutes |

Tapes are played on both halves, therefore doubling above playing time of tape.

TAPE SPEED

Your tape recorder is designed for two speeds: 3 3/4 inches per second (IPS) and 1 7/8 IPS. The faster speed (3 3/4) is primarily used in recording music. The slower speed is primarily used to pick up lectures, conversations, etc.

TO CHANGE TAPE SPEED:

Lift panel covering reels. Remove metal sleeve from capstan (Fig 1) to change speed to $1\frac{7}{8}$ IPS. Replace metal sleeve on capstan for $3\frac{3}{4}$ IPS. The metal sleeve is removed by simply pulling straight up. The split-pin located above the reels (Fig. 1) is for storing the metal sleeve when recording at $1\frac{7}{8}$ IPS.

TO MEND A BROKEN TAPE:

1. Fig 4a—Overlap broken ends with shiny side up and cut diagonally.
2. Fig 4b—Match both ends with shiny side facing up, then apply splicing tape on shiny side.
3. Fig 4c—Trim excess tape. Do not put tape on dull side.

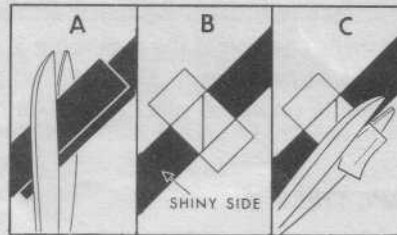


FIG.4

FOOTAGE INDICATOR:

Located on the hinging reel cover is a relative footage indicator to help determine specific locations on the reels and to indicate time remaining on reels. The markings are in percentage of a full reel—thus 10 equals a full reel and 6 equals 60%, etc.

TO ATTACH CARRYING STRAP:

1. Place large section of hole in clasp of strap over protruding stud in recorder. (Fig 5).
2. Use force to press in and slide toward small end of hole. (Fig 6).

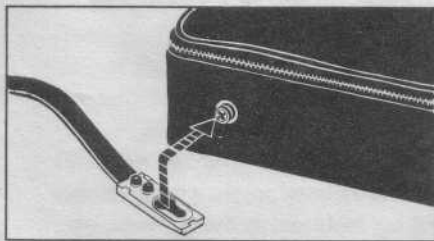


FIG.5

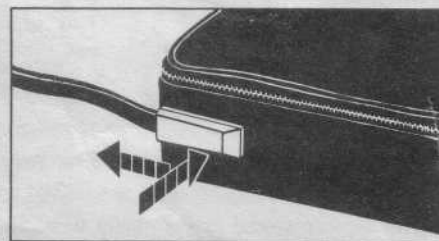


FIG.6

OPERATING HINTS

1. TO CHECK BATTERY CONDITION

Press "Play" button and read "Batt" section of level indicator. The needle should be in the blue area for correct operation. Needle in red area indicates batteries need replacement. (Note: No tape need be in machine when checking battery level.) Rundown batteries will cause tape recorder to run slower and when recording is subsequently played back on fresh batteries the recording will sound distorted.

2. TO LENGTHEN BATTERY LIFE

The Channel Master #6592 A.C. adapter is recommended. This will enable the machine to run on normal house current. This optional piece of equipment is available at your Channel Master Dealer.

3. FOR BEST FIDELITY

Erase previously recorded tapes before recording. Remove mike, turn volume off. Press Play and Record buttons, run tape completely thru machine. Tape is now absolutely clear.

4. When storing recorder for a long period of time or using AC adapter continuously—remove batteries, as even the best batteries will deteriorate in time and cause damage to the recorder.

5. It is a good practice to clean the tape heads occasionally with "Tape head cleaner" available at your dealer (see Fig 1).

6. To prevent damage to the motor, always use "Stop" button before changing direction of tapes—thus use "Stop" before changing from "FWD" to "REW" etc.

7. Whenever listening to a recording be sure you do not have the silver "Rec" button depressed as this will automatically erase the current recording.

8. Do not hesitate to write "Channel Master Radio Service Department" for any additional information.

CHANNEL MASTER ACCESSORIES

TO PLAY ON AC...USE CHANNEL MASTER AC ADAPTER

MODEL 6592, available separately

By means of a Channel Master AC ADAPTER, your tape recorder can also be played on house current (117 volts). Simply plug the adapter AC line cord into the wall outlet; plug the adapter's DC line cord into jack marked "DC" "9V", located on left side of tape recorder. Battery connection is automatically cut off when this is done.

FOOT SWITCH...

MODEL 6591, available separately

Simply plug foot switch cord into "F.S.W." jack on left side of tape recorder. Machine will stop when you step on foot switch—operate when you release foot.

TIE-CLIP MICROPHONE

MODEL 6593, available separately

Clips onto tie or pocket, etc. . . . for added convenience and privacy when recording.

SPECIAL REPAIR WARRANTY

Channel Master will repair your Tape Recorder free of charge—under the terms of the warranty shown on enclosed registration card. Out-of-warranty repairs may either be done locally, or sent directly to Channel Master.

If we find your Tape Recorder to be out-of-warranty, we will send you a repair charge estimate (plus return postage). Should you wish to have your Tape Recorder repaired out of warranty, you may send it to Channel Master prepaid. We will send you estimate of repair (plus postage) charge. Important: Mail warranty registration card now!

SPECIFICATIONS

Dimensions: 8" x 10" x 2 $\frac{3}{4}$ "
Tape: 3 $\frac{1}{4}$ " reel
Speeds: 1 $\frac{1}{2}$ " per second,
3 $\frac{3}{4}$ " per second
Track System: 2 track
Rewind Time: 1 min. 40 sec.
Power Source: 9V DC, UM2 x 6 (C cell),
or 117V AC line power
—use AC Adapter
Speaker: 2 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ " Oval
"Power-Meter"
Viewer: Dual-Purpose check...
audio volume, battery
Earphone: Magnetic
Erasing System: DC Erasing System
Transistors: 6 (2SB303 x 1 2SB186 x 2
2SB272 x 2 2SB22 x 1)
Recordings: AC bias
Tel. Pick-up Coil: Magnetic



CHANNEL MASTER

...works wonders in sight and sound

ANOTHER FINE PRODUCT BY CHANNEL MASTER CORP., PRODUCERS OF THE WORLD'S FINEST ANTENNAS, RADIOS, HI-FI COMPONENTS, AND OTHER OUTSTANDING ELECTRONIC PRODUCTS

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