



OWNERS OPERATING MANUAL



CUSTOM-COMPACT

F.M. MULTIPLEX READY

The *New*
ROBERTS
1055
4-TRACK STEREOPHONIC
TAPE
RECORDER

PRICE \$2.00

CONGRATULATIONS!



You own a NEW ROBERTS 1055, one of America's finest Stereophonic Tape Recorders. New worlds of sound are now yours to enjoy.

We know you are anxious to start using your new 1055 right away. This booklet has been carefully prepared to help you become quickly acquainted with your 1055 stereophonic tape recorder.

As you discover the many ways you can use your new Roberts it will become your indispensable aid to learning, self-improvement, and your prime source for entertainment and relaxation.

The potential of your new Roberts extends far beyond that of ordinary recorders.

The 1055 is readily adaptable for custom installation. It becomes, without modification, a part of your existing hi fi stereophonic system. Two simple connections from your tape recorder to your hi fi system amplifier is all that is required — with simplicity and ease you will be able to record from your record changer or from your radio. The 1055 is FM Multiplex ready and you can now record stereo from FM stereo radio.

Discover new stereo sound dimensions — enjoy the thrill of "private listening" with Roberts stereophonic headsets, record your favorite music, record the spoken word of history, as it is being made. A Roberts recorder is a family affair — capture those fleeting precious moments — when first words are spoken — when wedding vows are taken — let your Roberts capture the live sound of a family together — forever on Roberts magnetic tape.

Please read this booklet carefully. The new Roberts 1055 is simple to operate and fun to use . . .

Sincerely,

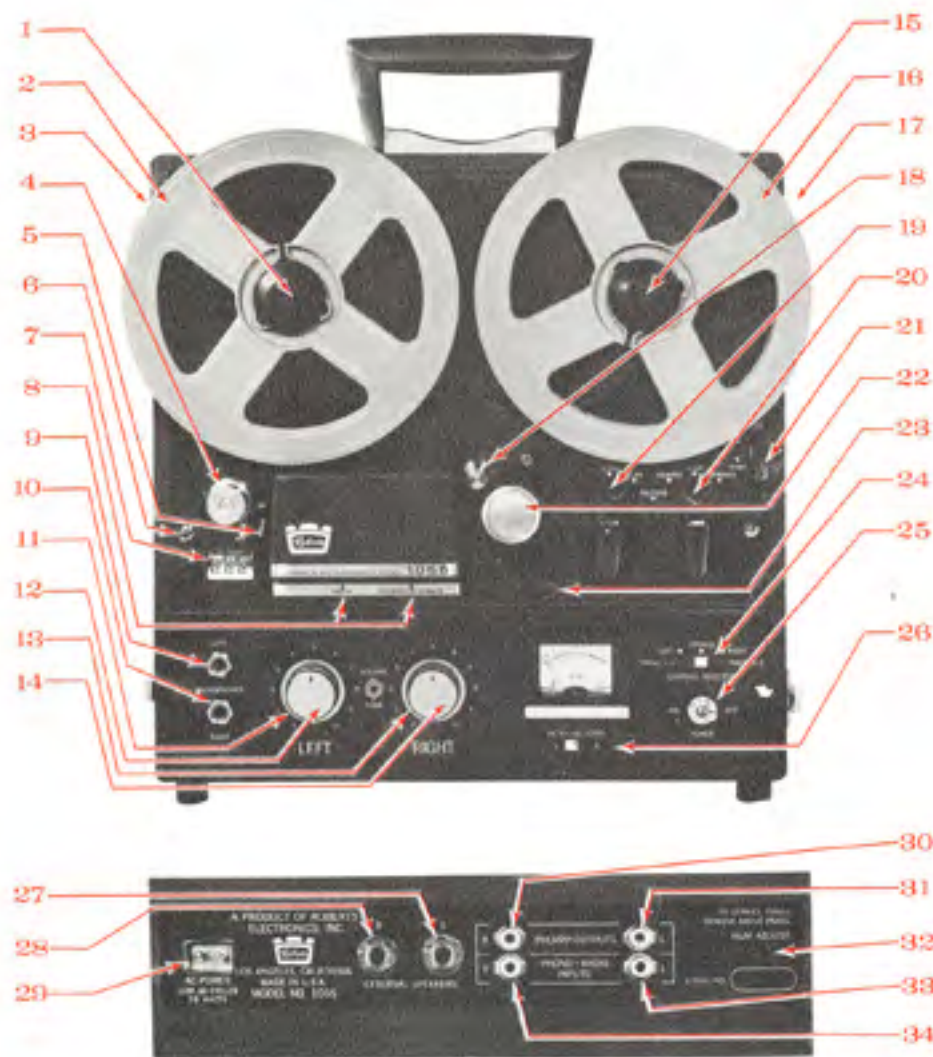
Edward O. Praeger
Vice President & General Manager

INDEX

	PAGE
IDENTIFICATION OF ALL FUNCTIONAL PARTS	3
THE ROBERTS STORY OF QUALITY AND PROFESSIONAL PERFORMANCE	4-5
GETTING TO KNOW YOUR ROBERTS 1055	6-7-8
How to thread tape	
How to change speeds	
Automatic shut-off	
Other operations	
STEREOPHONIC PLAYBACK	9-10
1055 plays all pre-recorded tape	
Self-contained stereophonic sound system	
Custom Installation without modification	
STEREOPHONIC RECORDING	10-11
FM Multiplex ready	
Record from your Phono-Radio	
"Live" recording is easy	
RECORDING AND PLAYBACK OF 4 MONAURAL TRACKS	11
Up to 8 hours of high fidelity recording on one 7" reel	
TAPE HEAD CONFIGURATIONS	12
The meaning of full track, half track, two-track, quarter-track and four-track	
MAINTENANCE AND OPERATIONAL INSTRUCTIONS	13
1055 built in Head Demagnetizer	
Performance "check-up"	
How to splice tape	
Recording tips	
MORE FUN WITH YOUR ROBERTS 1055	14-15
Using Roberts "quality tested" and engineered accessories —	
Headsets	
Microphones	
Portable speakers	
Cleaning fluid	
Head Demagnetizer	
Bulk Eraser	
Cable Kit	
THINGS TO DO WITH YOUR ROBERTS 1055	16
SPECIFICATIONS	17

IDENTIFICATION CHART FOR YOUR NEW ROBERTS 1055

(REFERENCE NUMBERS ARE UNIFORM THROUGHOUT THIS OWNERS' MANUAL)



OPERATIONAL FEATURES

(Keyed to photo at left)

- 1, 15 Reel holders
- 2 Feed reel
- 3 Left speaker
- 4 Tape guide
- 5 Automatic shut-off
- 6 Storage post
- 7 Index counter
- 8 Edit guide
- 9 Left channel microphone input
- 10 Right channel microphone input
- 11 Left channel volume control
- 12 Left channel tone control
- 13 Right channel volume control
- 14 Right channel tone control
- 16 Take up reel
- 17 Right speaker
- 18 Drive capstan & bushing
- 19 Stop/Play/Record switch
- 20 Forward/Rewind switch
- 21 Edit lever
- 22 Pinch wheel
- 23 Record interlock
- 24 Stereo/Monaural channel selector
- 25 Power switch
- 26 VU Meter left/right channel selector
- 27 Left channel speaker output jack
- 28 Right channel speaker output jack
- 29 110 volt ac cord receptacle
- 30 Right channel preamp output
- 31 Left channel preamp output
- 32 Hum control
- 33 Left channel radio/phono input
- 34 Right channel radio/phono input

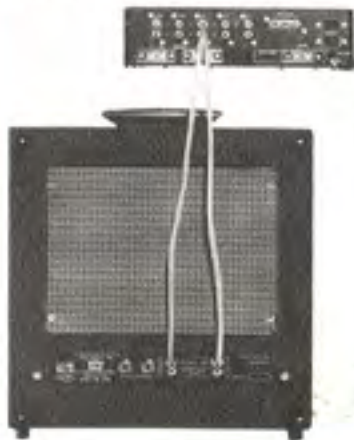
THE ROBERTS STORY OF QUALITY AND PROFESSIONAL PERFORMANCE

ROBERTS simplifies tape recording. The positive indexing control is fool proof. Just a twist of a knob and your 1055 is in play, a twist, and it stops. You can switch from fast forward to fast rewind with no tape spillage! You have positive control at all times.



Custom Installation —

For the first time, a recorder designed to give you at one time, the convenience of a fully self contained compact stereophonic portable and a "custom unit" for your existing Hi-Fi stereo. No modification is required. Just make two connections from your **ROBERTS 1055** to your Hi-Fi amplifier.



MOTOR: A professional 24 slot wave wound motor giving the very highest possible starting and running horse power. The motor uses long-lived high precision, line-bored, insert type anti-friction bearings which are lubricated by an oil-filled reservoir to assure years of silent and trouble free operation.

HEADS: MU metal case. Resin encapsulated to insure mechanical ruggedness and shock resistance. Perfect 100 micro-inch gap. Long life, — even wear.

BIG SOUND —

A unique spherical sound system is "built-in" — — — stereo sound surrounds you — — — and tells you that you own one of America's finest tape recorders. Each part of the **ROBERTS 1055** is designed for perfection.



Your **NEW ROBERTS 1055** multiplex-ready stereophonic tape recorder is a product of superior engineering long standing design experience.

You will always take pride in saying "MY tape recorder is a **ROBERTS.**"

THE PROFESSIONAL QUALITY OF THE ROBERTS 1055 IS BUILT IN



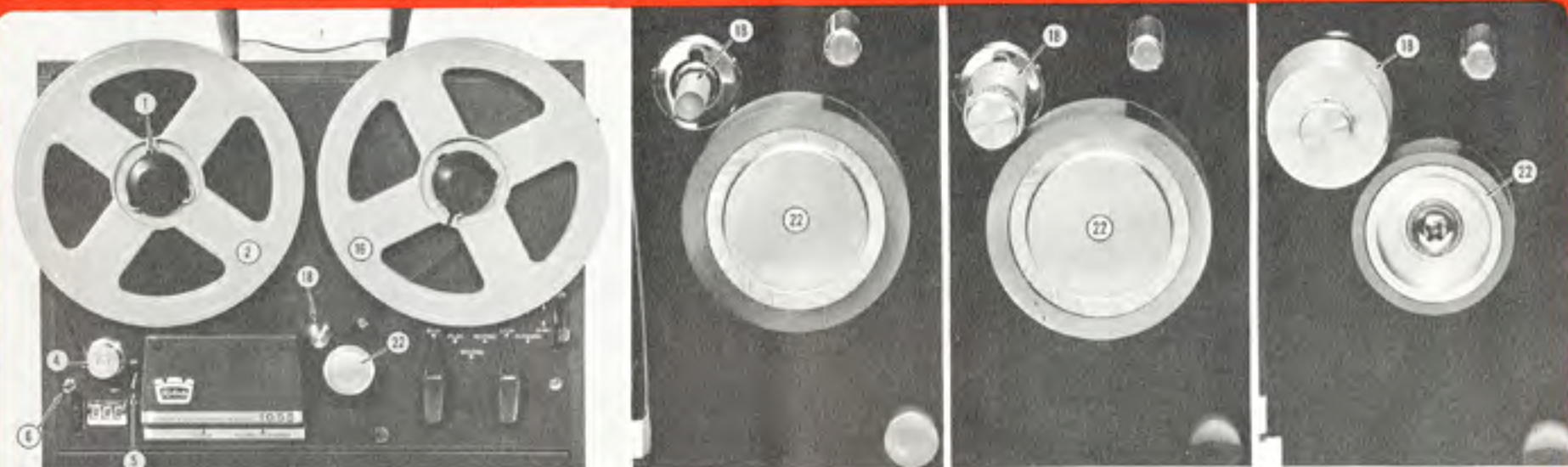
EVERY 1055 MUST MEET ROBERTS PRESCRIBED HIGH PERFORMANCE STANDARDS. ROBERTS QUALITY IS BUILT IN. ROBERTS QUALITY CONTROL METHODS ARE AMONG THE MOST STRINGENT IN THE INDUSTRY.

EACH UNIT UNDERGOES A RIGOROUS FOUR HOUR HEAT TEST BEFORE FINAL QUALITY CONTROL INSPECTION.

THE ROBERTS TAPE TRANSPORT IS FAMOUS FOR ITS PROFESSIONAL PERFORMANCE AND RUGGEDNESS.

THE FINAL STEP IN PRODUCING AMERICA'S FINEST TAPE RECORDERS IS TO ASSURE SAFE DELIVERY TO YOU.





The tape deck contains the mechanism and controls for moving the magnetic tape across the erase/record/play heads from the feed reel (2) to the take-up reel (16).

HOW TO THREAD TAPE.

- a. Install reel of tape on FEED REEL SHAFT (1). Make sure that the slots on the reel engage the 3 metal drive fins on the reel shaft. Secure the reel with the rubber Reel Holder (1).
- b. Thread the tape around the Tape Guide Roller (4) as illustrated by the white line on the photograph. Make sure that the tape passes **under** the Automatic Shut Off Pin (5). Thread tape under Head Cover, contacting heads, then between the Capstan (18) and the Pinch Wheel (22) and then around the hub of the Take Up Reel (16), as indicated. Wrap two or three turns of the tape around the hub of the reel, making sure that the oxide side of the tape (dull side) faces up. The Tape Transport is now loaded and ready for use.

TAPE SPEED is controlled by the Drive Capstan (18). The Tape is threaded between the Capstan and the Pinch Wheel (22). Pressure of the Drive Capstan against the Pinch Wheel causes the tape to be drawn across the heads at uniform speed.

TO CHANGE TAPE SPEEDS simply remove the sleeve on the Tape Capstan drive (18). (place sleeve, when not in use, on the Storage Post, fig. 6) The tape speed without this sleeve is 3¾ IPS. (Inches per second). With the sleeve in place on the Capstan (18) the speed is 7½ IPS. A 15 IPS kit is available. (Part #52-94A illustrated above in place on the Capstan) This contains a large sleeve and a different pinch wheel which are installed in place of 18 and 22 to deliver a 15 IPS speed.

FOUR TRACK STEREOPHONIC TAPE RECORDER



INDEX COUNTER (7). This 3 digit counter (0-999) provides reference numbers for locating individual selections on the tape. It is always advisable to turn the counter to the "000" position before starting to record. Then all, or a portion of the selections can be keyed by number position on an index sheet.

The **EDIT GUIDE (8)** on the Head Cover shows the position of the ERASE and the RECORD/PLAY heads, an invaluable aid for accurately editing your tapes.

The **AUTOMATIC SHUT OFF (5)** stops motor and reel motion after the tape has passed completely to the take-up reel.

The **STOP/PLAY SWITCH (19)** controls tape motion after the POWER SWITCH (25) has been turned on.

The **REWIND/FAST FORWARD SWITCH (20)** provides fast forward or fast rewind of the tape.

The **EDIT LEVER**, or Pause Lever (21) mechanically stops tape motion when the recorder is in "record" or "play" mode without disturbing any electronic adjustments on the machine. When preparing to record, place this lever in "Stop" position to get a recording level without wasting tape. Move into "Start" position when you are ready to record.

RECORD INTERLOCK (23). The Record Interlock prevents accidental erasure of pre-recorded tape. In order to record, the interlock button must be pressed and held as you turn the START SWITCH into "record" position.

Note: By placing the edit lever in the "Stop" position, you will be able to get your proper VU METER recording levels without using tape. When you have determined the correct recording level, simply release the EDIT LEVER and start recording.

MORE OPERATING FEATURES OF YOUR NEW ROBERTS 1055



VU METER. The large professional type VU (volume unit) METER is used for both channels. Place the METER SELECTOR SWITCH (26) in either right or left channel position for accurate play/record levels of selected channel. (Refer to "Recording Tips", page 13)

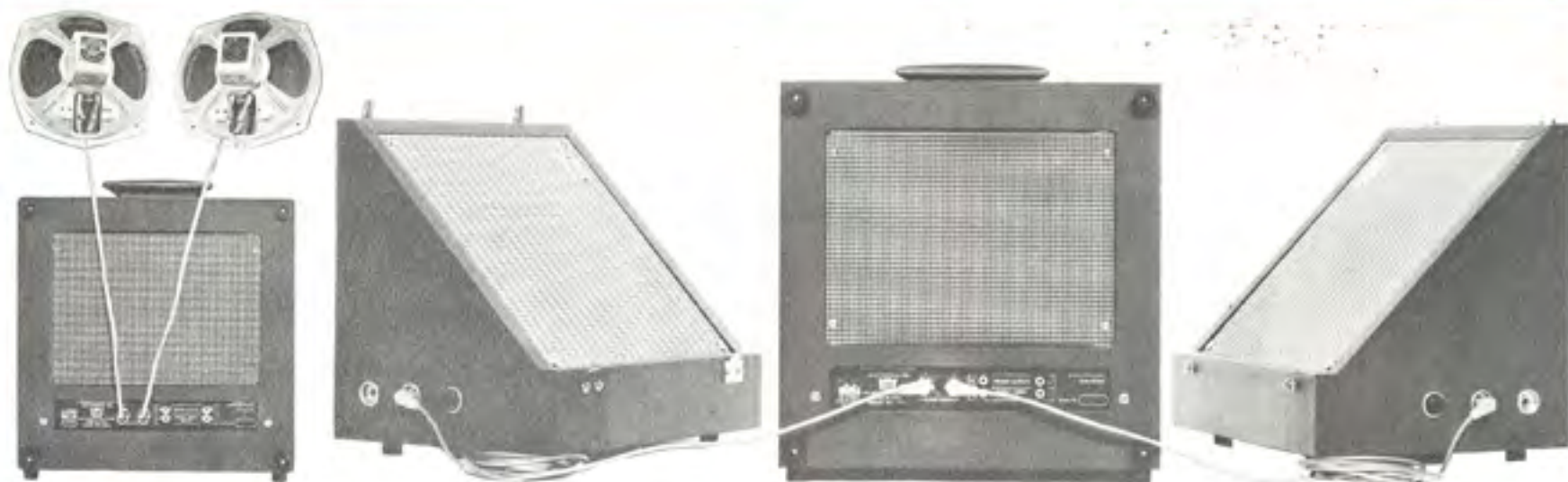
VOLUME AND TONE CONTROLS. Volume Control (11) and Tone Control (12) serve the left channel, and Volume Control (13) and Tone Control (14) serve the right channel. Note; **Tone** controls are inoperative during recording.

ON & OFF POWER SWITCH (25.) This switch controls all power for your ROBERTS Tape Recorder.

LEFT (9) and RIGHT (10) MICROPHONE INPUTS. For live recording, simply plug microphone(s) into these jacks. Note; When recording from radio or phono, be sure to remove microphone(s).

CHANNEL SELECTOR SWITCH (24). When recording or playing back with only one channel, place the switch in channel position indicated. For STEREO recording or playback, switch must be in the "Stereo" position.

REAR PANEL. See illustration on page 3. (29) Input connection for 110 volt AC, connecting cord. (27) (28) Right and Left Channel Speaker Outlets for connecting external speakers or Stereo Headsets. (30) (31) Right and left channel pre-amp outputs for making connections to existing stereo hi-fi systems. (33) (34) Right and left channel radio-phono inputs for recording from amplifier, radio, phonograph, or other tape recorder.



Your ROBERTS 1055 STEREOGRAPHIC TAPE RECORDER will play back all monophonic and stereophonic pre-recorded tapes. Refer to page 12 for explanation of full track, half track, four track, and quarter track tapes.

BASIC INSTRUCTIONS: Install and thread tape. (Page 6). Turn power switch to "on" position (25). Place "Stop-Play" switch (19) in "Play" position. (Note: If tape does not move, tighten tape so that tension is holding the Automatic Shut Off (5) in "on" position. Check to see that Edit Lever (21) is in "start" position.) Your ROBERTS 1055 is a completely self-contained stereophonic playback music system. For 4-track and 2-track stereophonic playback, Channel Selector Switch (24) must be in the "Stereo" position. Adjust left and right channel volume with the volume controls (11 and 13).

PLAYBACK THROUGH EXTERNAL SPEAKERS. See illustrations above. For extension speakers such as the ROBERTS S903 B (illustrated) plug speaker cords into right and left channel jacks (27 & 28). You will now be playing back through the extension speakers using the 1055 Power Amplifier. Best results will be obtained by using high efficiency extended range 4/8 ohm speakers like the ROBERTS Portable Hi-Fi Stereo Speaker System, (S903B). See illustration and description on page 15.

PLAYBACK THROUGH OTHER SPEAKERS. The speaker(s) in your radio, phono or TV may be utilized by connecting directly to the voice coils as illustrated above. (See "recording tips" on page 13)

OTHER PLAYBACK CONNECTIONS



PLAYBACK THROUGH EXISTING HI FI STEREO SYSTEM

Connect left and right channel pre-amp outputs (30 & 31) to your hi fi amplifier as illustrated. Note: Bring volume controls on the 1055 up to satisfactory level - (usually 3 to 4 on volume knob indicator), then control volume by adjusting volume controls on your hi fi stereo amplifier. (To silence the speakers in your 1055 Recorder, insert a phone plug which has been wired with an 8 ohm dummy load into each external speaker jack. (27 & 28).

STEREOPHONIC HEADSETS - For best results, use Roberts stereophonic dynamic headset Model 54-55 which comes equipped with a "Y" cable adapter that plugs into right and left speaker outputs (27 & 28) as illustrated.

For Multiple headset listening, use Roberts Stereo Master Distribution Panel, Part No. 54-01, illustrated on page 14 & 15. Simply plug into right and left speaker outputs. Part No. 54-01 allows up to eight stereophonic headsets or speakers to be used simultaneously.

STEREOPHONIC RECORDING WITH YOUR NEW ROBERTS 1055 TAPE RECORDER



Your 1055 is a modern 4-track stereophonic tape recorder.

BASIC INSTRUCTIONS:

1. Install and thread "raw" tape following instructions on page 9. Turn "On" power switch (25).
2. Place EDIT LEVER (21) in "Stop" position.
3. Place channel selector switch (24) in "Stereo" position.
4. Depress safety record interlock (18) with left thumb, place "Stop-Start" switch (19) into "record" position with right hand. Then release recorder interlock.
5. Recorder is now in record mode. Tape will not move until you place EDIT LEVER into "Start" position.
6. Follow instructions as indicated for Microphone or Radio-Phono recording.
7. After you have correct recording level (see next paragraph) release edit lever and start actual recording on tape.

RECORDING WITH MICROPHONES

1. Plug in microphone into Left and Right Channel inputs (9 & 10) on front panel as illustrated. (Place index counter in "000" position).
2. Bring up volume with Left Channel volume control, Check VU Meter with switch in "L" position. (VU Meter should "hover" between 3 and 7 (black portion), darting into red area on meter scale only on occasional volume "peaks".

3. Repeat this procedure for Right Channel microphone, placing VU Meter selector switch in "R" position.
4. When you are satisfied that you have correct volume setting, release Edit Lever (21) and start recording.

RECORDING FROM PHONO-RADIO - (AMP. OR SPEAKERS)

1. Connect patch cords from music source to Phono-Radio inputs (33-34) as illustrated.
2. Bring up volume of external music source.
3. Note: See that microphones are removed from front panel when recording from Phono-Radio inputs. Phono-Radio inputs may be left in at all times, as when microphones are plugged in, they automatically disconnect phono-radio circuit internally.
4. Follow basic instructions for stereophonic recording.

RECORDING FROM ANOTHER TAPE RECORDER

If it is desired to make a duplicate of a pre-recorded tape the following instructions should be observed.

1. Connect patch-cords as illustrated, from outputs of another tape recorder to the Phono/Radio Inputs (33 & 34) of the ROBERTS 1055.
2. Follow basic instructions (as outlined on page 10) for Stereophonic Recording.

FOUR TRACK MONAURAL

RECORDING 4-TRACK MONAURAL

Your 1055 is a "tape miser". You can get up to 8 hours of monaural recording on one 7 inch reel of tape. (Refer to tape speed table, Page 12.)

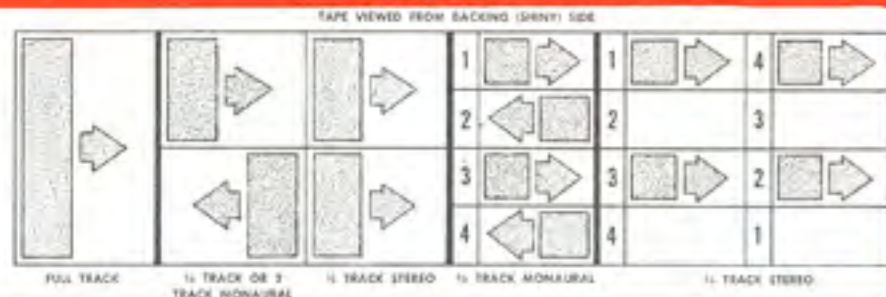
INSTRUCTIONS:

1. Follow basic recording instructions on Page 10 for recording from microphone, Radio-Phono, and other external sound sources.
2. Place channel selector switch in left (tracks 1-4) position. VU Meter selector in "L" position.
3. Record all the way through to end of tape. You are recording on track 1. (See illustration - Page 12)
4. Remove reel of tape from take-up reel, place on feed reel, place empty reel on take-up spindle and continue to record. You are now recording on track 4. (See illustration - Page 12)
5. Complete track 4 recording then again reverse position of feed and take-up reels.
6. Channel selector switch should now be placed in Right position (tracks 3-2). Microphone should be plugged into Right microphone input. VU Meter switch in "R" position.
7. Start recording. You are now recording track 3.
8. Complete recording, then reverse reels as before. Now you are ready to record track 2.

FOUR TRACK MONAURAL PLAYBACK

To play back 4-track monaural tapes, follow basic instructions for playback on Page 9. Place channel selector switch in Left Channel position for tracks 1 or 4, in right channel position for tracks 3 or 2 as illustrated on page 12.

EXPLANATION OF TAPE HEAD CONFIGURATION AND "TRACKS"



Most of the recorders currently manufactured are of the 4-track classification, sometimes referred to as "1/4-track". The chart shown above explains graphically the differences between full and half track recording. All stereophonic recordings use two separate tracks simultaneously. The terminologies "full track," "half track," and "quarter track," refer to how much of the tape width is used in making a recording. Your ROBERTS 1055 is a quarter-track stereophonic and a four-track monaural recorder.

WHY ROBERTS FORMULA 990 RECORDING TAPE IS BEST FOR YOU

Roberts Formula 990 magnetic tape is guaranteed to exceed, in overall reproduction characteristics, all professional tapes manufactured or the purchase price will be refunded. All Roberts tapes are 100 per cent batch tested to guaranteed professional standards and have exclusive built-in "HGL" lubrication to protect recording heads. Optimum results are assured when this tape is used with Roberts Tape Recorders.

TAPE SPEED CHART

TAPE LENGTH	SINGLE TRACK		DUAL TRACK		4 MONAURAL TRACKS (1/4 TRACK)	
	3 3/4 I.P.S.	7 1/2 I.P.S.	3 3/4 I.P.S.	7 1/2 I.P.S.	3 3/4 I.P.S.	7 1/2 I.P.S.
225 ft.	11 1/4 min.	5 3/4 min.	22 1/2 min.	11 1/4 min.	45 min.	22 1/2 min.
600 ft.	30 min.	15 min.	1 hr.	30 min.	2 hrs.	1 hr.
1200 ft.	1 hr.	30 min.	2 hrs.	1 hr.	4 hrs.	2 hrs.
1800 ft.	1 hr. 30 min.	45 min.	3 hrs.	1 hr. 30 min.	6 hrs.	3 hrs.
2400 ft.	2 hrs.	1 hr.	4 hrs.	2 hrs.	8 hrs.	4 hrs.

ROBERTS FORMULA 990 Magnetic Recording Tape is available at your Franchised ROBERTS Dealers in the following sizes:

- 32M 3" reel, 225 ft. 1 mil Mylar.
- 56A 5" reel, 600 ft. 1 1/2 mil Acetate.
- 712A 7" reel, 1200 ft. 1 1/2 mil. Acetate.
- 718A 7" reel, 1800 ft. 1 mil Acetate.
- 718M 7" reel, 1800 ft. 1 mil Mylar.
- 724MT 7" reel, 2400 ft. 1/2 mil Mylar.
- 1024A 10 1/2" reel, 2400 ft. 1 1/2 mil Acetate.
- 1036A 10 1/2" reel, 3600 ft. 1 mil Acetate.
- 1036M 10 1/2" reel, 3600 ft. 1 mil Mylar.
- 10RB 10 1/2" empty reel, gray fibreglass, boxed.



RECORDING TIPS AND MAINTENANCE INSTRUCTIONS

ROBERTS PERFORMANCE "CHECK-UP" PROCEDURE

The following is a list of "symptoms" which — although they do not indicate mechanical failure of your Model 1055 — can affect or impair the performance of your machine. Always check these "symptoms" first if you have trouble with your machine.

1. LOSS OF SENSITIVITY, TONE QUALITY OR "NO PLAY" may be due to:

- Dirty RECORD/PLAY HEAD. This affects perfect play-back of recorded material and recording new material.
- Reversed tape. Check to see that the dull side of the tape lies closest to the heads.

2. FAILURE TO COMPLETELY ERASE TAPE

- Dirty ERASE HEAD. This will prevent complete erasure of material recorded previously.

NOTE: Both ERASE and RECORD/PLAY HEADS should be cleaned regularly if the recorder is used frequently. The ROBERTS HEAD CLEANER AND TAPE OXIDE REMOVER KIT provides cotton-tipped swabs which are recommended for the head cleaning process. CAUTION: Do not use Carbon Tetrachloride.



3. IRREGULARITY IN TAPE ADVANCE may be due to:

- Heavy dust adhering to the heads.
- Oil on the speed capstan.
- Loose capstan mounting screw.
- Sticky or dusty tape surface.

4. IF YOUR MACHINE WILL NOT RECORD, check to see that the following are in correct position.

- STOP-PLAY switch is in "PLAY" position.
- MICROPHONE or PHONO-RADIO plugs are pushed completely into JACKS.

NOTE: For Phono-Radio recording microphone should be removed.

NOTE: Before operating your recorder for the first time, clean the heads as described above. Unused tape (in storage) may become soft and sticky. It is advisable to run the tape once from the feel reel to the take-up reel before threading.

RECORDING TIPS

You can make direct recordings (no microphones used) on your 1055 by utilizing "patch" cords (see accessory page). These connect the PHONO-RADIO inputs of your recorder to the tape outputs of the radio or phonograph. If tape outputs are not provided, "patch" cords equipped with "alligator" clamps are placed on speaker terminals (or voice coil connections).

CAUTION: Do not connect to voice coil terminals of any but permanent magnet type speakers. Electro-Dynamic speakers are usually identified by the presence of more than two connecting speaker wires. Dangerous voltages are present in these speakers. Whenever possible, make a "test run" before actually recording. To do this, make all necessary tape recorder connections (PHONO-RADIO or MICROPHONE) to sound source. Then raise EDIT (Pause) LEVER, stopping MOTION of tape. Place machine in RECORD MODE and (for example start phonograph record playing. Adjust volume control(s) according to correct VU METER readings (see below). Then start phonograph record at beginning, release EDIT (Pause) LEVER and start recording.

NOTE: Tone Controls are always inoperative while recording.

Correct recording volume levels are accurately gauged on the professional-type V-U Meter provided on the 1055. In either "line" (phono-radio) or microphone recording, the following "rules of thumb" should be observed.

- The V-U METER needle should "hover" between -3 and -7 on the meter scale. (White portion)
- It is all right for the V-U Meter to occasionally "dart" into the red portion of the meter scale at volume "peaks".
- Do not "ride the gain" (make adjustment of volume control) while recording or copying music from radio or phonograph. Play the first recording on the disc, for example, through the tape recorder (PAUSE LEVER "UP" — machine in RECORD MODE. Set volume, watching V-U METER as described above. "Average" correct setting of VOLUME CONTROLS for the first selection will apply to the entire balance of recordings of the album.



TAPE SPLICING & EDITING

- Overlap the two ends of the tape and cut diagonally through both layers. The diagonal cut makes for a stronger splice and eliminates splice "noise".
- Align ends of tape on flat surface and, holding firmly, apply SPECIAL SPLICING TAPE along the cut. Rub the splicing tape firmly to a bond with the magnetic tape. (Use thumb nail).
- Trim off all excess SPLICING TAPE. Cut into the magnetic tape slightly (shallow curve) of a sticky splice. USE ONLY SPECIAL SPLICING TAPE to avoid stickiness or "bleeding" of the adhesive.

TAPE ERASING

To erase pre-recorded tape, simply run tape through recorder in record mode, "VOLUME CONTROLS" at "0" and PLUGS REMOVED FROM ALL OUTPUTS AND INPUTS on the recorder. Place tape to be erased on the left spindle and thread conventionally. With "VOLUME CONTROLS" at "0" place machine in record mode. Run tape through, erasing tracks 1 and 4, then reverse reels and repeat procedure (erasing tracks 3 and 2).

ROBERTS EXCLUSIVE AUTOMATIC BUILT-IN HEAD DEMAGNETIZER

FIVE "EASY TO DO" STEPS FOR PERFECT RESULTS — EVERY TIME!

- Turn ON both power amplifiers and allow to warm up for 60 seconds.
- Turn Volume and Tone controls to zero.
- Remove tape and adjust controls for Stereo Record operation.
- Turn power switch OFF. Leave off for about 30 seconds.
- Return Record/Playback level to neutral position.

Recorder heads are now demagnetized. (We recommend that the heads be demagnetized at least once each week.)

THESE FINE ROBERTS ACCESSORIES WILL PROVIDE MORE FUN AND PERFORMANCE



NEW — ROBERTS STEREOPHONES

The ultimate in stereophonic sound reproduction. — Stereo sound controlled by you individually. — Enjoy a new experience in monophonic sound reproduction as well. Exclusive ROBERTS feature — a stereo master control with a mono/stereo switch and separate channel controls for adjusting volume and stereo balance to individual taste. Two extended range 4" dynamic speakers recreate "live" stereophonic realism, capturing the subtle and often lost tones of fine tape recordings.

ROBERTS stereophones are simple to adjust. The sponge-rubber-like ear pieces comfortably cover both ears. — Outside noises and distractions are eliminated. — Smooth, wide range frequency response from 30-15,000 CPS — impedance, 4-16 ohms. They are equipped with an 8 foot cable, and a "Y" adapter for use with separate right and left channel outputs. For use with all Roberts recorders.

No. 54-55 . . . \$29.95



NEW ROBERTS STEREO MASTER DISTRIBUTION PANEL

Provides 8 stereo outputs from your 1055. Connects up to 16 8 ohm speakers or 8 stereo headsets. No installation — just plug it in.

No. 54-01 . . . \$29.45



NEW CERAMIC MICROPHONE

A quality full range ceramic omni directional microphone — 50-12,500 CPS frequency. Engineered for professional results when used with your ROBERTS recorder. Smart, contrasting decorative die cast metal case. Functional thin silhouette design. Comes with 6 ft. shielded cable and molded phone plug.

No. 90.03 . . . \$17.95



NEW CABLE KIT

(Interconnecting Patch Cords)

Kit includes 4 shielded cables, each 8' long. Two of these cables are equipped with a phono plug ($\frac{1}{8}$ " dia.) on one end, and a standard phone plug ($\frac{1}{4}$ " dia.) on the other end. The other two cables have a phone plug on one end, and alligator clips on the other end. These cables connect most tuners, amplifiers and speakers to the jacks on your Roberts recorder.

No. 90-66 . . . \$6.00

WITH YOUR NEW ROBERTS MODEL 1055 STEREOPHONIC TAPE RECORDER

NEW MATCHING STEREO SPEAKER SYSTEM

Complement your Roberts stereo recorder and enjoy "console like" full range sound with these matching stereo portable speakers. Designed for maximum bass efficiency. Unique versatile (corner enclosure "design") 45° angle, when opened, permits 3-way operation — in a corner — on the floor — on furniture. Soft rubber bumpers protect fine furniture from scuffs and scars.

The two enclosures fold together into a single easy to carry case, and are secured by bright finished hardware. Each enclosure contains one 8" full range, heavy magnet hi-fidelity speaker. Each enclosure includes an individual volume control for perfect tonal balance, and 2 phono input jacks. Add "depth" to your monaural reproduction by connecting both enclosures together with supplied "patch" cables. Speakers may also be used as a sound system with other hi-fi equipment.

Dimensions (closed) 10½"D x 13¼"W x 15"H Net wt. 24 lbs.

No. S903B . . . \$119.95



NEW HEAD CLEANING KIT

Kit contains 6 oz. bottle of special recording head cleaning solution and 100 long-stemmed "swabs". Dust and tape oxides accumulate on the record and erase heads of your tape recorder, which can impair their efficiency.

For best recording results periodically clean the heads, pinch wheel, idler, and tape guides.

No. 54-93 . . .
\$1.75



NEW TAPE HEAD DEMAGNETIZER

Occasionally, tape heads become slightly magnetized, through continued use. This "residual" magnetism can increase noise level and distort recorded signals. For better recordings use Roberts Head De-Magnetizer to correct and prevent this condition.

No. 54-02 . . . \$4.95



NEW BULK TAPE ERASER

A must for the serious recordist. Highly efficient and easy to use. Completely erases an entire reel of tape in seconds; accommodates any size reel up to 10".

Reduces background noise levels of tape far below that of normal tape recorder erase heads.

No. 55-03 . . . \$24.50

A FEW OF THE MANY APPLICATIONS OF YOUR ROBERTS 1055

RECORDING THE FAMILY

Just as most people keep a photographic snapshot record of the growth of a child, so the tape recorder owner should make a sound snapshot record.

This could begin, with hospital permission, from the very first cry and most probably would conclude with a wedding ceremony.

Because tape recording is relatively new, less than ten years old as far as general public use is concerned, people have not realized yet the tremendous memory value of sound.

The principle reason for taking photographic snapshots is to remember how a person looked at the time. Just as there is physical growth which a camera can record so there is mental growth which only a tape recorder can capture. The two combined complete the picture. The sound reveals the personality.

We don't like to think about it but, barring accidents, the older folks will be the first to leave us. Their voices should be included in the collection.



USING THE RECORDER FOR STUDY

From kindergarten to college the recorder is one of the most versatile study aids that has ever been developed.

Through its use in reading, speaking and similar subjects, pupils have made remarkable advances in their grades.

In learning material by rote, such as multiplication tables, poems and similar material, the ROBERTS serves as a teacher which never loses patience.

Even in an advanced studies the making of an aural outline is an excellent practice. As the lesson material is studied from a book, the recorder is kept handy. Each salient point is spoken on the tape. A separate tape is kept of each subject. These are added to lesson by lesson.

When exam time rolls around, the tape is played back and there is a complete outline of the course. By listening to this all important points will be heard.

For learning a multiplication table the tape is made by saying "two times two is—" "three times two is—" etc. the student responding to the blanks. The student should make his own tapes thus reinforcing his learning.

Quizzes on the lesson material may also be placed on tape. The question should be followed by the correct answer.



BUSINESS RECORDING

Tape recorders have wide application in business ranging from such obvious uses as dictation to inventory taking and field reports.

A tape recorder installed in a car enables salesmen to make immediate notes on each call and he can even dictate reports as he drives from one call to the next.

A ROBERTS present at conferences affords a means of sending the actual meeting to branch offices and field men. This saves hours of transcription time and a great deal of expense.

Taking inventory with a tape recorder shortens the process, cuts down on shut-down time and is more accurate. The person making the inventory simply records each item on tape and the tapes are later transcribed to the inventory sheets and priced by a secretary.

MUSIC PRACTICE

Your ROBERTS tape recorder is an invaluable aid to learning how to play any musical instrument. Being able to replay the music at any time and over and over again it becomes possible to spot very small errors — or big ones, and correct them.



IMPROVING SPEECH

Your ROBERTS tape recorder is a "good" critic. It can only play back what has entered the microphone, without fear or favor.

Thousands of people have registered surprise and many times, dismay upon hearing themselves as others hear them. Those seeking to improve their diction and vocabulary have made a recorder their constant companion and, in most all cases, the improvement has been marked.

Bad speech habits do not seem to become apparent until we actually hear them from tape. Then the nasal tones, slurring or plain bad grammar show up with great clarity.

Practice for speeches to be given to groups is also best done with a ROBERTS. By hearing the speech beforehand, you can tell where it must be tightened up, where something humorous would add to the interest, where more drive or emphasis should be placed. The final result is always a better presentation and more compliments from the audience. If you put yourself to sleep with a recording of your speech you can be doubly sure a real audience will suffer the same way.

If the speech must be memorized, such as ritual material for lodge meetings or ceremonies, etc., the tape recorder becomes a most patient teacher willing to repeat again and again without complaint.

SPECIFICATIONS OF THE NEW ROBERTS 1055 TAPE RECORDER

MODEL 1055 SPECIFICATIONS

WEIGHT:

25 lbs. approximately

SIZE:

13¼" x 13¼" x 9¼"

VOLTAGE AND POWER REQUIREMENTS:

110-125 Volts, 60 Cycles, 80 Watts

POWER CORD:

Disconnect type, 8 ft. long

SPEEDS:

7½ or 3¾ IPS (15 IPS Accessory Kit available)

PLAYING/RECORDING TIME:

4-tracks, 1200' reel
64 minutes per track at 3¾ IPS
32 minutes per track at 7½ IPS

TUBE COMPLEMENT:

(2) 12AT7, (2) 6BM8, (1) 6CA4, efficient 9 tube function.

POWER OUTPUT — 10 WATTS PEAK

Circuitry engineered for ¼ track, recording/playback specifications and requirements.

POWER SUPPLY:

Transformer operated full wave AC type.

CONTROLS:

Automatic shut-off, digital index counter, separate left and right channel volume controls and tone controls, stop/play/record switch, forward/rewind switch, edit lever, safety record interlock, stereo/monaural channel selector, VU meter left/right channel selector, hum control.

FREQUENCY RESPONSE:

3¾ IPS — 70-10,000 CPS ± 3 db
7½ IPS — 50-15,000 CPS ± 3 db
15 IPS — 50-18,000 CPS ± 3 db

TONE CONTROL RANGE:

12 db

BIAS AND ERASE FREQUENCY:

100 KC

ERASING EFFICIENCY:

50 db

WOW AND FLUTTER:

Less than 0.2% at 7½ IPS.

SPEAKERS:

2 (stereo) 4" full range heavy type Alnico V magnet, Spherical sound system.

SIGNAL TO NOISE RATIO:

Better than 42 db

RECORD INPUTS:

2 high impedance microphone inputs, 2 high impedance high level phono-radio inputs.

PLAYBACK OUTPUTS:

Two high impedance outputs controlled by volume control, suitable for connecting to any stereo hi fi amplifier or high Z headphone used in monitoring.

INTERLOCKING CONTROLS:

Prevent accidental erasure of tape in rewind or fast forward. Automatic muting in fast forward or rewind.

BIAS OSCILLATOR FREQUENCY:

95 KC (FM Multiplex ready).

RECORD AND PLAYBACK EQUALIZATION:

Standard NARTB.

INPUT SENSITIVITY:

.15 Volts for "0" VU recording in phono-radio input, 3mv for "0" VU recording in microphone input.

PRE-AMPLIFIER OUTPUT:

3 Volts.

RECORDING HEADS:

MU metal case. Perfect 100 micro-inch gap. Resin-sealed and shock resistant. Even wear and long life. Recorded cross-talk negligible. Ground and honed optically flat before assembly.

MOTOR AND DRIVE:

New heavy duty motor, dynamically balanced rotor and flywheel.

REEL SIZE:

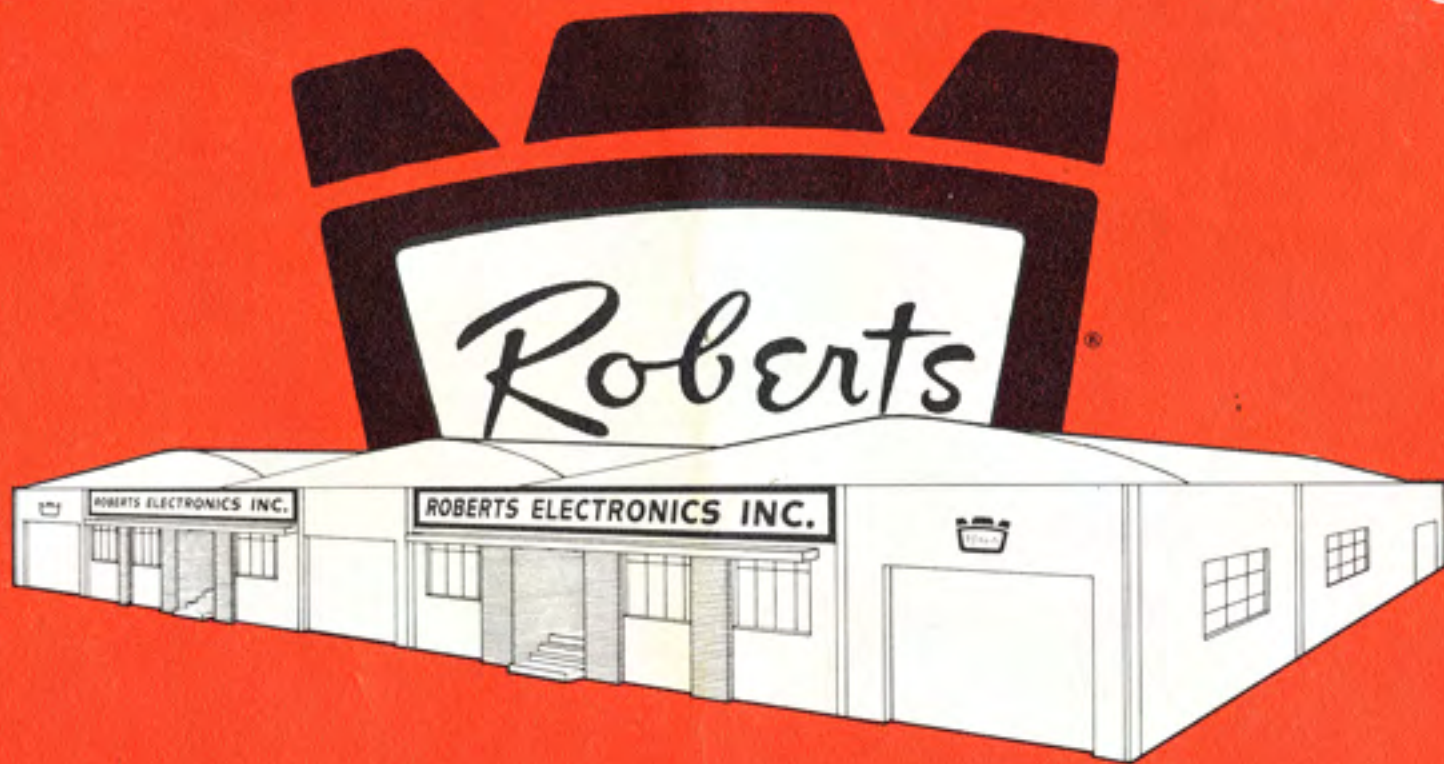
7" reel maximum — cover may be closed on mounted 5" reels.

OPERATING POSITION:

Horizontal or vertical.

Specifications subject to change without notice.

Excellence in Electronics



ROBERTS ELECTRONICS INC.

Los Angeles 16, California