

# audio record

Published by  
AUDIO DEVICES, INC.

444 MADISON AVENUE, N. Y. 22, N. Y.

audiorecords  
audiotape  
audiofilm  
audiopoints



Ten rack-mounted Magnecord tape recorders arranged for full range duplication of pre-recorded "Magnecordings by Vox", now being offered commercially by MaVoTape, Inc. All recordings are made on plastic base Audiotape. Story on Page 3.

*In this issue*





## DIRECTORY OF DISC RECORDERS

... also

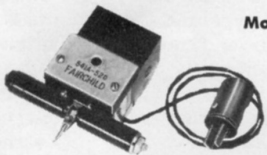
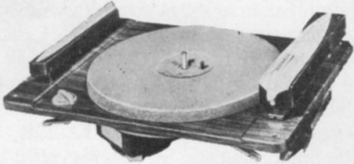

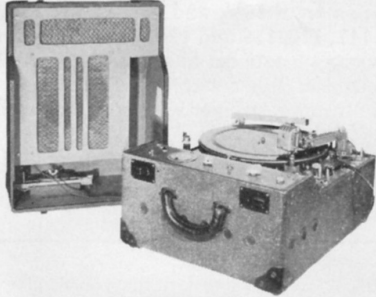
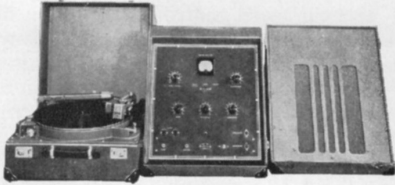
- Magnetic Sound, Inc.
- Magnecordings by Vox
- Fall Maintenance Drive

# QUICK FACTS ON DISC RECORDERS


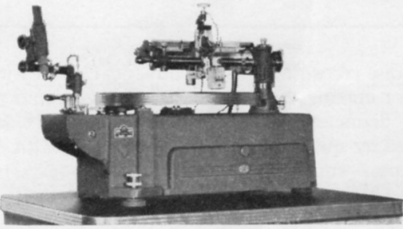


(Additional Information can be obtained by writing to the manufacturer)

Manufacturer	Model and Price	Data
<b>BELL SOUND SYSTEMS, INC.</b>  555 Marion Rd., Columbus 7, Ohio	 <p style="text-align: right;"><b>\$175.00</b></p> <p style="text-align: center;"><b>Model RC-47A Portable</b></p>	<p>Portable, dual-speed disc recording and playback unit for general home recording service. Records and plays back discs up to 10" in diameter, at 78 and 33<math>\frac{1}{3}</math> rpm, or 78 and 45 rpm. Conversion spring supplied for obtaining 45 rpm on 33<math>\frac{1}{3}</math> rpm position. Cuts 160 lines per inch. Magnetic cutting head and twin tilt crystal phono pickup with dual styli. Inputs for microphone, radio-phone and direct external recording. Sound effects or vocal selections can be dubbed in while recording from radio or re-recording from another disc. Includes visual recording-level indicator, 6" PM speaker and Hi-Z crystal microphone, headphone monitoring jack and output for external speaker. Weight—approximately 40 lbs.</p>
	 <p style="text-align: right;"><b>\$985.00</b></p> <p style="text-align: center;"><b>Model 539-G Portable</b></p>	<p>Portable, professional-type disc recorder and reproducer with turntable speeds of 78 and 33<math>\frac{1}{3}</math> rpm. 16" turntable accommodates discs up to 17<math>\frac{1}{4}</math>" diameter. Direct synchronous motor drive thru gear and worm for 33<math>\frac{1}{3}</math> rpm. Ball race step-up for 78 rpm. Speed accuracy, 0.15%. Model 541 Magnetic Cutterhead and Model 542 Lateral Dynamic Pickup provide overall response essentially flat from 30 to 10,000 cycles. Noise level, 44 db below standard recording level of 2.5 in. per second stylus velocity at 1000 cps. Stationary overhead lathe type feed mechanism with adjustable pitch of 96, 112, 120 and 136 lines per inch, cutting in-out and out-in. Full weight of recorder mechanism supported independently of trunk by integrally cast legs of top panel casting. Weight 80 lbs.</p>
<b>FAIRCHILD RECORDING EQUIPMENT CORP.</b>  154th St. and 7th Ave., Whitestone, N. Y.	 <p style="text-align: right;"><b>\$1,395.00</b></p> <p style="text-align: center;"><b>Model 539K Console</b></p>	<p>Professional, console-type disc recorder and reproducer with turntable speeds of 78 and 33<math>\frac{1}{3}</math> rpm. 16" turntable accommodates discs up to 17<math>\frac{1}{4}</math>" diameter. Direct synchronous motor drive thru gear and worm for 33<math>\frac{1}{3}</math> rpm. Ball race step-up for 78 rpm. Speed accuracy, 0.15%. Model 541 Magnetic Cutterhead and Model 542 Lateral Dynamic Pickup provide overall response essentially flat from 30 to 10,000 cycles. Noise level, 44 db below standard recording level at 2.5 in. per second stylus velocity at 1000 cps. Stationary overhead lathe type feed mechanism with adjustable pitch of 96, 112, 120 and 136 lines per inch, cutting in-out and out-in. Microscope and light mounted on lathe mechanism for close observation of depth of cut and condition of groove. Manually operated spiralling device is standard equipment.</p>
(Continued on next page)	 <p style="text-align: right;"><b>\$2,985.00</b></p> <p style="text-align: center;"><b>Model 523 Studio Recorder</b></p>	<p>Professional console-type disc recorder with provision for micro-groove and lip synchronous recording. Planetary driven lead screw provides instant, infinite variation of pitch from 80 to 160 lines per inch, in-out or out-in feed. 16" turntable accommodates discs up to 18" in diameter. Synchronous motor drive direct through worm and gear for 33<math>\frac{1}{3}</math> rpm. 78 rpm step-up through precision ball race. Driver unit mounted at bottom of cabinet. Absolute timing at 33<math>\frac{1}{3}</math> speed within limits of power line frequency. Noise level better than 55 db below reference. Model 541 Magnetic Cutterhead holds flat tolerance close to 1 db to 9,000 cycles. Depth and angle of cut adjustable while recording. Feed mechanism includes time scales for all standard NAB pitches. Includes swivel mounted microscope with light, manually operated spiralling device, and attachment for suction device. Weight—approx. 275 lbs.</p>


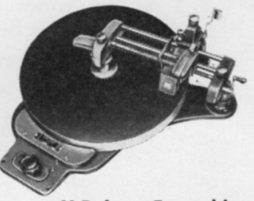
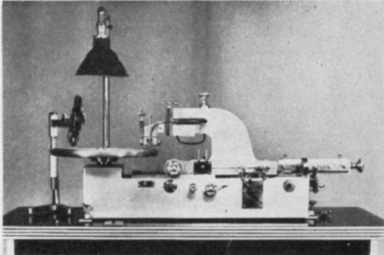
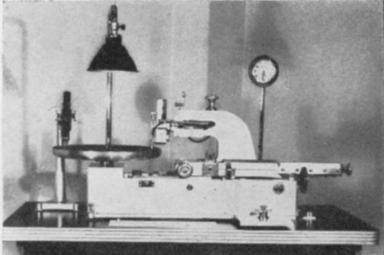

NOTE: All prices listed are subject to change without notice. Consult manufacturer or local dealer for exact price, as some prices are list and others net.

Manufacturer	Model and Price	Data
<b>FAIRCHILD RECORDING EQUIPMENT CORP.</b>  154th St. and 7th Ave., Whitestone, N. Y.	 <p style="text-align: right;"><b>Model 541 Magnetic Cutterhead</b> <b>\$160.00</b></p>	Standard equipment on current Fairchild disc recorders. Also adaptable for installation on earlier Fairchild models, or on other makes of professional machines. Frequency response, + 2 db, 30 to 10,000 cycles. Distortion, less than 1% at 400 cycles. Impedance, 500 ohms. Audio power required, 0.6 watt (+ 20 db).
	<p style="text-align: center;"><b>THERMO-STYLUS KITS</b></p> <p><b>Model 300 (for Fairchild 541 head) \$100.00</b>  <b>Model 301 (for RCA M1-11850-C) 115.00</b>  <b>Model 302 (for Presto 1-C and 1-D) 115.00</b></p>	Adapts Fairchild, RCA or Presto cutterheads for hot stylus recording. Kit includes an adapter receptacle, two special styli with built-in miniature heating elements (one fine pitch and one std. pitch) and a thermo control box containing all necessary current and temperature indicating and control facilities.
<b>THE GENERAL INDUSTRIES COMPANY</b>  Elyria, Ohio	 <p style="text-align: center;"><b>Home Disc Recording Chassis</b>  <b>Model G1-R58L-LP \$53.50</b>  <b>Model G1-R90L-Std. 49.50</b></p>	Home disc recording and reproducing chassis with dual speed turntable for cutting discs up to 10" diameter and playing records up to 12" diameter. Rim drive, 4-pole motor. Compensating switch operated by speed change dial. Model G1-R90L operates at 78 and 33 1/3 rpm—cuts 120 lines per inch. Model G1-R85L operates at 78 and 33 1/3 rpm, with conversion spring for changing 33 1/3 speed to 45 rpm. It cuts 160 lines per inch and includes dual purpose pickup for playing either standard or microgroove records. Weight approx. 15 lbs.
	 <p style="text-align: center;"><b>Tape-Disc Recording Chassis</b>  <b>Model 250 \$79.50</b></p>	Combined disc and tape recording and reproducing chassis with 78 rpm rim-drive turntable for recording and playback of discs up to 10" diameter. Dual track tape recorder operates at 3 3/4 inches per second. Records from disc to tape or vice versa—and from microphone or radio to disc or tape. Cutting stylus and playback needle easy to interchange. Weight—10 1/2 lbs.
<b>PRESTO RECORDING CORPORATION</b>  P.O. Box 500, Hackensack, N. J.	 <p style="text-align: center;"><b>Model K Portable Recorder</b> <b>\$348.00</b></p>	Portable, semi-professional disc recorder and reproducer, including amplifier and loudspeaker. Provides dual speed operation at 33 1/3 and 78 rpm (45 rpm optional at extra cost). Takes discs up to 13 1/4" diameter—records both standard and microgroove. Feed mechanism cuts 112 and 224 lines per inch, inside-out or outside-in. Overall response within 2 db from 50 to 8000 cycles. Total noise level, 25-30 db below maximum useful reproduced sound level. Speed accuracy within 0.5%. Includes magnetic cutting head, two pickups, and five-stage recording amplifier. Controls include volume indicator meter, combined equalizer and tone control, dual volume control and selector switch for recording, playback and PA operation. Weight—46 lbs.
	 <p style="text-align: center;"><b>Model Y Portable Recorder</b> <b>\$771.00</b></p>	Portable, professional type 16" disc recording and reproducing equipment, with 10 watt amplifier and detachable 10" speaker. Records all sizes of discs by either standard or microgroove method. Turntable speeds, 33 1/3 and 78 rpm (45 rpm optional at extra cost). Cutting pitch, 112 and 224 lines per inch, inside-out and outside-in. Presto 1-D cutting head supplied. Overall response flat within 2 db from 50 to 10,000 cycles. Can be modified with equalizer control. Total noise level, over 35 db below maximum useful reproduced sound level. Speed accuracy, within 0.5% at 33 1/3, 45 and 78 rpm. Amplifier panel includes VU meter, 2 mike input gain controls, playback gain control, treble and bass equalizer controls, and selector switch for recording, playback and PA operation. Weight—57 lbs.

(Continued on next page)

Manufacturer	Model and Price	Data
<b>PRESTO RECORDING CORPORATION</b>  P.O. Box 500, Hackensack, N. J.	 <p><b>Model 6-N Portable Recorder</b></p> <p><b>Chassis</b> \$690.00</p> <p><b>In Case</b> (as shown) \$735.00</p>	<p>Portable, professional type disc recorder and reproducer with 78 and 33<math>\frac{1}{3}</math> rpm turntable and standard cutting pitch of 112 lines per inch inside out. Feedscrews for 96, 104, 120 or 136 lines per inch, inside-out or outside-in can be substituted if desired. Can also be supplied equipped for microgroove recording (244, 256 or 288 lines per inch) at additional cost. 116-N overhead cutting mechanism includes 1-D cutting head, 15-B spiraling feedscrew, 170-A vertical damper and 20-A time scale. Frequency response, 50-10,000 cycles. Noise level, 40 db below maximum useful reproduced sound level. Speed accuracy, within 0.5% at 78 and 33<math>\frac{1}{3}</math> rpm. Available as chassis, in carrying case (as illustrated) or in a cabinet. Weight of portable unit—82 lbs. Amplifiers not included.</p>
	 <p><b>Model 8-D Studio Recorder</b></p> <p>\$1,992.00 (less cabinet)</p>	<p>Professional type disc recorder with 33<math>\frac{1}{3}</math> and 78.26 rpm rim drive. Available for table mounting (as illustrated) or with console type cabinet shown below at extra cost. Accommodates all instantaneous and master disc sizes. Equipped with 1-D cutter, 160-A or 161-A automatic equalizer and 125-A microscope. Frequency response, 50-10,000 cycles. Noise level, better than 40 db below program level. Speed accuracy, within 0.5% at both 33<math>\frac{1}{3}</math> and 78.26 rpm. Pitch adjustable for 88, 96, 104, 112, 120, 128 and 136 lines per inch, inside-out or outside-in. Microgroove optional at extra cost. Cantilever type overhead feed mechanism does not contact disc or turntable. Motor and driving idlers mounted in cast iron base with built in leveling screws.</p>
	 <p><b>Model 8-DG Studio Recorder</b></p> <p>\$2,644.00 (with cabinet)</p>	<p>Professional type disc recorder with 33<math>\frac{1}{3}</math> and 78.26 rpm direct gear drive. Includes console type cabinet containing twin motor drive equipment. Accommodates all instantaneous and master disc sizes. Equipped with 1-D cutter, 160-A or 161-A automatic equalizer and 125-A microscope. Frequency response, 50-10,000 cycles. Noise level, better than 50 db below program level. Speed accuracy, no deviation from 33<math>\frac{1}{3}</math> and 78.26 rpm. Pitch adjustable for 88, 96, 104, 112, 120, 128 and 136 lines per inch, inside-out or outside-in. Microgroove optional at extra cost. Cantilever type overhead feed mechanism does not contact disc or turntable. Recorder unit mounted on top of cabinet with built-in leveling screws.</p>
<b>REK-O-KUT COMPANY</b>  38-01 Queens Boulevard, Long Island City 1, N. Y.	 <p><b>Challenger Deluxe</b> 13<math>\frac{1}{4}</math>" Disc Recorder</p> <p>\$439.95</p>	<p>Portable, semi-professional disc recording and reproducing equipment with built-in amplifier and speaker. Synchronous motor rim drive. Finger-tip speed control for selection of 78 or 33<math>\frac{1}{3}</math> rpm. Idler and adapter for 45 rpm interchangeable with 33<math>\frac{1}{3}</math> rpm idler. Overhead recording mechanism with "Liftomatic" safety cam and provision for manual spiralling. Records from 6" to 13<math>\frac{1}{4}</math>" masters. Dual stylus pickup plays up to 16" transcriptions, standard or microgroove. Frequency response, 40-7,000 cycles. Leadscrews available for 108, 120, 144 or 192 lines per inch, inside-out or outside-in. R-8A 13.5 watt amplifier includes VU meter, bass and treble equalizers, four input channels, output selector and three-position monitor switch. Weight—65 lbs.</p>

(Continued on  
next page)

Manufacturer	Model and Price	Data
<p><b>REK-O-KUT COMPANY</b></p> <p>38-01 Queens Boulevard, Long Island City 1, N. Y.</p>	 <p><b>12" Recording Chassis</b></p> <p><b>TR-12H Turntable \$129.95</b> <b>M-12 Cutting Mechanism 99.95</b></p>	<p>TR-12H dual-speed 12" recording turntable provides instant speed shift for 78 or 33<math>\frac{1}{3}</math> rpm. 45 rpm idler available for interchange with 33<math>\frac{1}{3}</math> rpm. Synchronous motor rim drive. Weight, 17 lbs. M-12 overhead recording mechanism records up to 13<math>\frac{1}{4}</math>" master discs, at 108 lines per inch. Extra leadscrews available for 120, 144 or 192 lines per inch, inside-out or outside-in. Includes manual spiralling control and "Liftomatic" safety cam which automatically lifts cutter at end of leadscrew. Magnetic cutter, response flat from 40 to 7,000 cycles.</p>
	 <p><b>16" Recording Chassis</b></p> <p><b>V-Deluxe Turntable \$215.00</b> <b>M-55 Cutting Mechanism 215.00</b></p>	<p>V-Deluxe 16" recording turntable provides instant self-locking speed shift for 78 or 33<math>\frac{1}{3}</math> rpm. 45 rpm idler available for interchange with 33<math>\frac{1}{3}</math> rpm. Synchronous motor rim drive. Weight—28 lbs.</p> <p>M-55 Master-Pro 16" overhead recording mechanism includes tilt and level adjustment, dual clutch spiralling control, micrometer depth and angle adjustments, and leadscrew for 120 lines per inch outside-in. Extra leadscrews available for 105, 135 or 210 lines per inch, inside-out or outside-in. Weight—11 lbs.</p>
<p><b>SCULLY MACHINE COMPANY</b></p> <p>62 Walter St., Bridgeport 8, Conn.</p>	 <p><b>Scully Standard Disc Recorder</b> <b>\$4,620.00</b></p>	<p>Professional disc lathe designed to meet the most exacting requirements for cutting broadcast transcriptions and phonograph record masters. Accommodates all standard disc sizes. Three speeds available—78, 45 and 33<math>\frac{1}{3}</math> rpm. Fourteen changes of feed—88 to 350 lines per inch. Machine driven coarse lead-in, spacing and tail-out grooves. Signal to noise ratio, 50 db below mean program level. Includes microscope, overhead illuminating lamp, provision for pneumatic chip removal and flat top cabinet containing precision, constant-speed drive equipment. Lathe provided with micrometer adjustments for depth and angle of cut and leveling of table. Cutterhead not supplied.</p>
	 <p><b>Scully Automatic Disc Recorder</b> <b>\$5,895.00</b></p>	<p>Fully automatic, push-button operated professional disc lathe designed to meet the most exacting requirements for cutting broadcast transcriptions and phonograph record masters. Accommodates all standard disc sizes. Three speeds available—78, 45 and 33<math>\frac{1}{3}</math> rpm. Pitch continuously variable from 70 to 350 lines per inch. Automatic lead-in spacing and tail-cut grooves. Completely automatic ending line for 45 rpm records. Signal to noise ratio, 50 db below mean program level. Includes microscope, overhead illuminating lamp, timing clock with sweep second hand, provision for pneumatic chip removal and flat top cabinet containing precision, constant-speed drive and automatic control equipment. Lathe provided with micrometer adjustments for depth and angle of cut and leveling of table. Cutterhead not supplied.</p>
<p><b>WILCOX-GAY CORP.</b></p> <p>385 4th Ave., New York 10, N. Y.</p>	 <p><b>"Tape-Disc Recordio"</b></p> <p><b>Model 3C10</b></p> <p><b>\$199.95</b></p>	<p>Portable home-type combination disc and tape recording and reproducing unit with built-in amplifier and speaker. 78 rpm rim-drive turntable records and plays back discs up to 10" diameter. Cutting stylus and reproducing needle easily interchanged. Dual-track tape recorder operates at 3<math>\frac{3}{4}</math> inches per second. Fast forward and rewind speeds. Frequency response, 80-6,000 cycles <math>\pm</math> 3 db. Records from tape to disc or vice versa and from microphone or radio to disc or tape. Two neon recording level indicators. External speaker jack. Includes microphone and 6" x 9" PM speaker. Weight—30 lbs.</p>