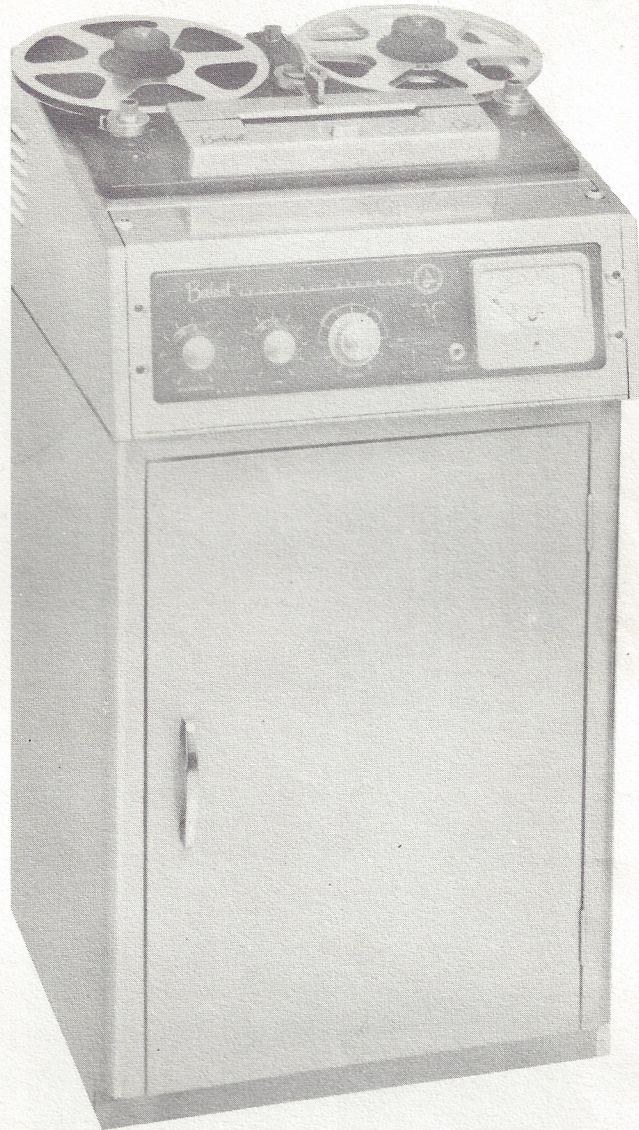




Berlant

BAX
BRX
SERIES

MAGNETIC TAPE
RECORDERS



ANSWERS THE NEED

In a nation-wide questionnaire the chief engineers of radio stations and recording studios were asked to set specifications for the ideal professional tape recorder.

They did.... **THIS IS IT!**



Berlant

NEW IMPROVED BRX SERIES BROADCAST RECORDERS

SPECIFICATIONS

TAPE SPEEDS:

Model BRX-1, BRX-2—Instantaneous selection of 15"/sec. or 7.5"/sec.
Model BRX-3S, BRX-3D—Instantaneous selection of 7.5"/sec. or 3.75"/sec.

FREQUENCY RESPONSE:

±2db from 40 to 15,000 CPS at 15"/sec.
±4db from 40 to 15,000 CPS at 7.5"/sec.
±2db from 50 to 5,000 CPS at 3.75"/sec.

SIGNAL TO NOISE RATIO:

55 db as measured by proposed NARTB standard (400 CPS at 3% T.H.D.)

TOTAL HARMONIC DISTORTION:

1% at zero V.U.

TIMING ACCURACY:

Better than 99.8%

TOTAL FLUTTER AND WOW:

Less than 0.1% RMS at 15"/sec.
Less than 0.2% RMS at 7.5"/sec.
Less than 0.3% RMS at 3.75"/sec.

REWIND AND FAST FORWARD:

Less than 60 secs. for 2,500 feet
FROM STOP TO 15"/SEC.:
0.1 second

HEAD MOUNTING:

Interchangeable Bracket mounting up to FIVE heads.

METER INDICATION:

Bias Current, Record Level, Output Level.

MONITOR OUTPUT:

From tape or input signal.

INPUT IMPEDANCE:

One megohm on high impedance microphone input. 50/250 ohms balanced or unbalanced with plug-in transformer #T-3344. 200,000 ohms unbalanced bridging input.

INPUT SENSITIVITY:

1 mv on microphone input
.06 volt on bridging input.

OUTPUT IMPEDANCE:

Cathode follower. 600 ohms balanced output with plug-in transformer #T-2560.

OUTPUT LEVEL:

6 volts from cathode follower output.
Zero DBM across 600 ohm line.

FILAMENT SUPPLY:

D.C. on all filaments.

DIMENSIONS:

Drive mechanism, 14" x 19"
6½" below panel
Amplifier, 5¼" x 19"
Mounting depth, 6" below panel.

WEIGHT:

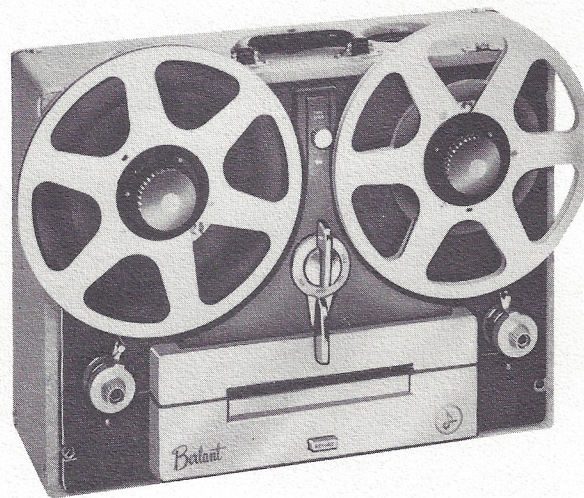
Drive mechanism, 35 lbs.
Amplifier, 10 lbs.

TUBE LIST:

2-12AX7; 1-12AT7; 2-12AU7, 1-12BH7;
1-6X5GT

POWER REQUIRED:

160 Watts, 60 cycles, 115 volts
Special 50 cycle drive motor available. Use step-down transformer for higher line voltages.



BROADCAST RECORDER
in BRDC and BRPAC
carrying cases
\$745.00 complete

By using a combination of four heads and two amplifier units, BERLANT-CONCERTONE has designed binaural versions of its tape recorders that provide a versatility of performance hitherto unknown in the recording art. Available as an automatic or manually operated unit, each of these machines can be looked upon as two independent recorders using a common reel of tape with the two channels capable of being operated either separately or in conjunction with each other.



BRX-1

BRX-2

IMPROVED HYSTERESIS SYNCHRONOUS DIRECT DRIVE MOTOR

with 99.8% timing accuracy now on all BRX Series Recorders, guarantees dependability and long-life performance.

TWO-CHANNEL INPUT MIXER

permits recording and mixing of two signals simultaneously with independent volume control on each. Microphone and line inputs for high impedance—or low impedance with plug-in transformers.

TAPE MOTION REGULATOR

Stabilizes tape motion and improves tape tension arm control.

CANNON CONNECTORS

Standard equipment on all models.

SYNC PULSE SYSTEM

For synchronizing tape with 35 or 16 mm motion picture film. Added to, or installed in any BR Recorder at extra cost, it provides perfect synchronization between recorder and camera. For studio or location use.

AB-TEST FADER

Allows monitoring between incoming signal and playback from tape without transients or clicks. Separate volume controls for RECORD and PLAYBACK permit sufficient level while monitoring to compare accurately incoming signal with recorded signal on tape.

PROVISION FOR FIVE HEADS

Eliminates a second recorder for most operations. An extra playback head and amplifier unit permits transmitting a delayed broadcast while recording and monitoring an incoming program. Add a second record and erase head for both single and dual track operation on one recorder. Sound-on-sound recording, echo chamber effects, and other special uses now possible with one recorder.

HALF TRACK PLAYBACK HEAD

Allows playback of either single or dual track tapes. Full track playback also available.

ADJUSTABLE BIAS

Permits setting bias frequency to match requirements of various tape coatings for perfection in recording.

CUEING AND EDITING

"Cue" position of lever puts tape in contact with heads and releases brakes so that reels can be rotated by hand while listening to signal. When exact cue point is reached head cover may be opened to "Edit" position for free access to tape.

- INSTANTANEOUS REELOKS
- AUTOMATIC CUT-OFF
- 4½ ILLUMINATED SIGNAL LEVER INDICATOR
- STRAIGHT LINE THREADING
- THREE MOTORS
- ERASE SAFETY



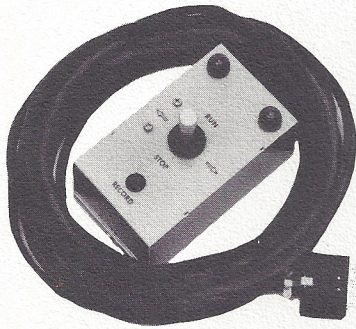
Berlant

AUTOMATIC RECORDERS



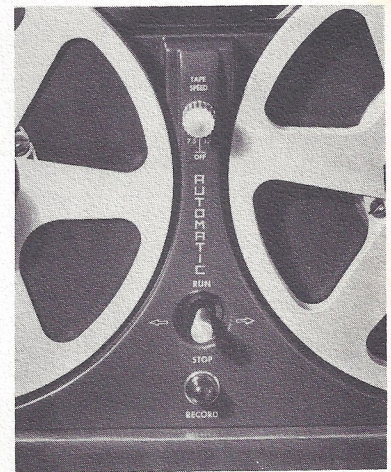
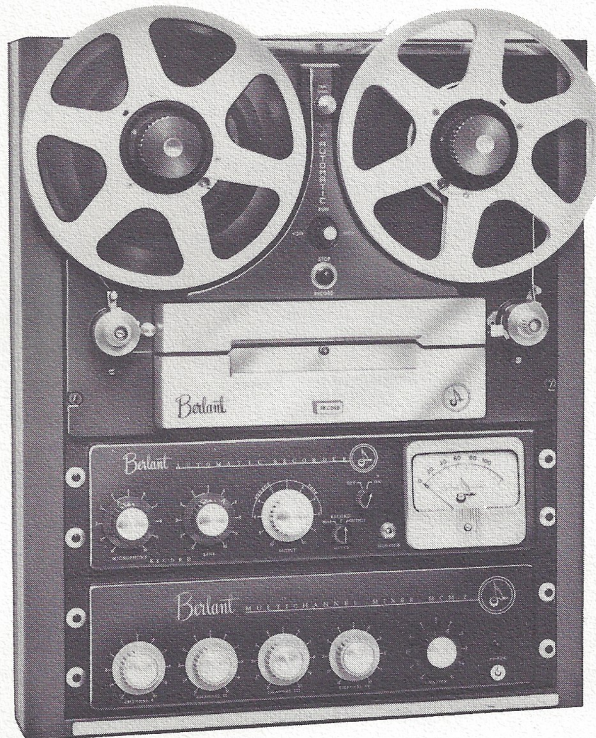
BAX-1

BAX-2



REMOTE CONTROL

Any number of remote control stations at any distance from the recorder control all tape motion operations. Special RECORD SAFETY features prevents accidental erasure. Recorder operates from both remote station and recorder itself in any sequence. Colored lights keep remote operator informed of recorder's functioning.



"JOY STICK" CONTROL

A distinct advancement in automatic control over the usual bank of push-buttons. A quick flick of the thumb . . . it's on "run." At any speed, another flick stops the tape. Fast forward and reverse are just as simple. A **single** automatic control lever makes operation fool-proof.

ALL OTHER BERLANT RECORDER FEATURES ARE
STANDARD ON THE BAX SERIES.

TO THE ENGINEER:

Compare these recorders, point by point, with any other machines on the market, regardless of price. You will find our new automatic recorders and manually operated recorders are completely versatile—designed to meet your specifications for dependable performance, economical cost and simplified maintenance.

Bert Berlant

(Effective July 1, 1955)

Professional User's Net Prices

BERLANT SERIES X RECORDERS

MODEL NO.	DESCRIPTION	USER'S NET PRICE
*BRX-1	BROADCAST RECORDER: 7½ and 15 i.p.s. Complete, consisting of separate matched drive mechanism and amplifier. Two-channel input mixer. Cannon connectors. Tape motion regulator. Single track erase and record heads, dual track playback to play both single and dual track tapes.....	\$595.00
BRX-1-BX-SP.	BROADCAST RECORDER: Same as BRX-1, except with Sync Pulse System added for exact synchronization of recorder with motion picture camera	792.50
BRX-2	BROADCAST RECORDER: Same as BRX-1, except with three dual track heads.....	595.00
*BAX-1	AUTOMATIC RECORDER: Same as BRX-1, except solenoid operated. Remote control (RCU) units extra. Single track erase and record heads, dual track playback.....	745.00
BAX-1-BX-SP	AUTOMATIC RECORDER: Same as BAX-1, except with Sync Pulse System added for exact synchronization of recorder with motion picture camera	942.50
BAX-2	AUTOMATIC RECORDER: Same as BAX-1, except with three dual track heads.....	745.00
SBX-4	STEREO-MONAUROAL RECORDER: 7½ and 15 i.p.s. Complete, consisting of separate drive mechanism and two amplifiers for 2-channel or 1-channel recording. Two half-track erase heads, "stacked" binaural record and playback heads, channel selector switch.....	845.00
SBAX-4	STEREO-MONAUROAL AUTOMATIC RECORDER: Same as SBX-4, except solenoid operated. Remote control (RCU) units extra.....	995.00
*BRDBX-4	BROADCAST RECORDER: Same as BRX-1 except adapted for transmitting a delayed broadcast and simultaneously recording an incoming program	640.00
BRSDX-5	BROADCAST RECORDER: For single and dual operation. Five heads include BT-1, BT-22, BT-3, BT-44, and BT-66. With necessary switching and wiring	680.00
NOTE:	All recorders are suitable for installation in standard 19" relay racks, cabinets, consoles, or carrying cases as described on Accessory Sheet CA-MCM-GSA. 50 cycle drive motors can be supplied on Berlant Recorders at an additional charge of....	25.00
	Recorders with 3¾ and 7½ i.p.s. tape speeds can be supplied on a special order at an additional charge of.....	25.00
	*These models available on order with full width (.200") playback heads at additional charge of	10.00

REFER TO BERLANT RECORDER ACCESSORY CATALOG SHEET
FOR PRICE INFORMATION AND DESCRIPTION OF MIXERS AND
OTHER ACCESSORIES.

Berlant  *Concertone*®

MANUFACTURERS OF CONCERTONE HIGH FIDELITY TAPE RECORDERS AND ACCESSORIES
AUDIO DIVISION—AMERICAN ELECTRONICS, INC.
4917 W. Jefferson Blvd., Los Angeles 16, California • REpublic 1-2141