

AR-XB

The new AR-XB is the latest version of the world's best-selling manual turntable. Since its introduction, the AR turntable has had a profound effect upon both design and performance standards of home record-playing equipment, yet it remains alone in the field in the degree to which it combines broadcast equipment performance, completeness and convenience, simplicity of operation and low cost.

The stability of the AR turntable is unusual; the top-plate may even be struck by vertical hammer blows without interrupting the music being played. The AR turntable is insensitive to floor vibrations or acoustic feedback. This gives its owners maximum freedom in placing the turntable where it will be most convenient, even close to the loudspeakers, if necessary.

Each AR turntable features:

- Viscous-damped cue/pause control
- Ready-mounted walnut-grained base
- Transparent plastic dustcover
- Hysteresis/synchronous motor
- Plug-in cartridge shell with mounting hardware
- Precision stylus pressure gauge
- Overhang adjustment guide
- Lubricating oil
- Screwdriver for installing cartridge and setting arm counterbalance
- Color-coded connecting cable
- 45 RPM center hole adapter

SPECIFICATIONS:

Size: 12 3/4" x 16 1/4" x 5 1/4" high.
Weight: 14 lb. (6.35 Kg.)

MODELS:

AR XB: 110-120 volts, 60 Hz, 33 1/3 and 45 rpm.
AR XBU: As above, but universal model for 110-120 volts, 50 or 60 Hz operation.
AR XB-91: Same as XB, but with Shure M91ED diamond elliptical stylus magnetic cartridge mounted and tested.

GUARANTEE:

The workmanship and performance of the AR turntable is guaranteed for a period of three years in normal use. The guarantee covers parts repair labor, and freight costs to and from the factory or nearest authorized service station. New packaging is also free if needed.



The AR turntable is guaranteed, as a condition of sale, to meet NAB (National Association of Broadcasters) specifications for broadcast equipment on wow, flutter, rumble, and speed accuracy.*

In addition, the AR turntable meets the stringent requirements of the CBS standards on rumble and the IEEE standards on flutter. Certain rumble frequencies and different wow and flutter rates have a profound effect on perception. The CBS and IEEE standards specify flutter and rumble indices that are accordingly weighted to account for this variation in perception.

A statement of conformity to any of the above specifications is far more rigorous than any statement of flutter or rumble figures unqualified by a description of measurement conditions. The NAB stereo Standard for professional broadcast equipment calls for a rumble level in each channel at least 35 dB below 1 cm/sec. in the plane of modulation at 100 Hz, with the ballistic characteristics of the meter specified (the same as a VU meter), and with the playback equalization specified. Many reports on turntables list rumble figures more than 20 dB in excess of the NAB Standard; this is only possible because the very carefully spelled-out conditions of the NAB Standard have not been followed. The 35-dB figure, when it is applied to both lateral and vertical rumble, is a very exacting standard.

Similarly, the NAB Standard on flutter and wow prescribes the exact methods of measurement. The NAB Standard for broadcast playback equipment is 0.1% maximum wow and flutter combined when measured as specified.

The NAB Standard for speed accuracy of broadcast playback equipment is $\pm 0.3\%$, or 21 lines per minute drift on a standard 216-line stroboscope card. All AR turntables are tested to meet this standard, and to keep within the NAB limit with an extra 5 grams of stylus force (equivalent to the drag of a dust bug). Line voltage variations have no effect on the speed of the AR turntable, since the drive motor is synchronous.

* Disc Recording and Reproducing (National Association of Broadcasters, 1771 N Street, N.W., Washington, D.C.), March 1964.

AR-XB-91

We have combined the most popular turntable in the industry with one of the best cartridges made.

Each XB-91 turntable comes with the Shure M91ED cartridge mounted and tested.

