

The BSR McDonald 810QX and 710QX are the ultimate turntables for sophisticated systems. Both models incorporate a number of significant engineering advances that provide years of faithful music reproduction with minimum record wear.

The heart of the unit is BSR's unique sequential cam drive mechanism. It is an advanced system incorporating eight independent pre-programmed cams mounted on a central shaft. It replaces the often fragile assembly of rotating eccentric plates and lightweight metal gears that other changers use . . . parts that can go out of alignment and make disturbing noise after being bumped or just from extensive use.

The heavy, cast, anti-magnetic platter is powered by a high-torque synchronous induction motor, and is connected to a $\pm 3\%$ variable speed control for changing the pitch of recorded music. A strobe disc is provided for precise calibration.

The tone arm is not just an arm, but part of a complete system for picking up signals with maximum accuracy and ease, and minimum wear. Engineered to track at forces low enough to accommodate the finest cartridges available, it is connected to a dual-range anti-skating mechanism that eliminates uneven groove wear and maintains proper stereo separation with either conical or elliptical styli.

The viscous-damped piston assembly used in cue/pause functions—as well as in automatic play modes—raises and lowers the tone arm more carefully than you could with your own hand, never scratching a disc or bending a stylus.

A stylus wear meter measures, by accumulated hours, the amount of stylus use. This helps determine when the stylus should be checked and/or replaced.

The 810QX and 710QX have been engineered to easily convert to 4-channel turntables when a CD-4 magnetic cartridge and necessary cables are used.

Record playing automation is complete. You command your turntable to play music—a single record or an evening's concert—with just a touch of a button. Infinite repeat of one record is also provided, and should you wish, the manual button lets you lower the tone arm, with or without the cueing lever, on any part of the record.

The 810QX and 710QX perform well, and reliably, so that you can concentrate on listening to music without worrying about damaging your record collection. We invite your inspection.



710QX Transcription series total turntable



810QX SPECIFICATIONS

Wow and Flutter:

Wow at 33 $\frac{1}{3}$ and 45 RPM less than .1% rms Flutter at 33 $\frac{1}{3}$ and 45 RPM less than .05% rms measured on Gaumont Kalee Wow and Flutter Meter type 1740 using Decca LXT5346 record Alternatively: DIN weighted wow/flutter $\pm 0.15\%$ peak measured on a ME102B Mini Flux meter manufactured by Technisch-Physikalisches Laboratorium

Rumble:

Rumble less than 55 dB relative to a 1KHz 10 cm/sec peak recorded signal (record having a roll off of 12 dB per octave above and below 315 Hz)

Arm Type:

Concentric gimbal arm mount gyroscopically pivoted on 4 pre-loaded ball-bearing races

Cartridge: Shure M91ED with elliptical diamond stylus

Minimum Tracking Force: $\frac{1}{4}$ gram
Stylus Pressure Range: 0-4 grams

Motor Type:

Dual range synchronous power unit 100-130 VAC 60 Hz easily convertible to 220 VAC 50 Hz operation

Speeds: 33 $\frac{1}{3}$ and 45 RPM

Pitch Control: Variable $\pm 3\%$

Platter Diameter: 12"

Platter Weight: Approx. 7 lbs.

Drive Mechanism: Sequential cam system

Suspension System:

Four foam damped helically wound coils on rubber shock mounts

Record Sizes: 12", 10" or 7"

Record Stack: 6 records

Change cycle noise muting circuit

Power switch noise suppressor

4-Channel Capability

Accessories Included:

Automatic spindle
Manual stub spindle

Strobe discs (50 and 60 Hz)
Stylus brush
Stylus overhang locating gauge
Stylus overhang adaptor bracket
Manual 45 RPM adaptor
Slide-in cartridge carrier
Walnut solid and veneer base
Tinted dust cover
Covered accessory tray

710QX SPECIFICATIONS AS ABOVE, EXCEPT

Arm Type:

Low-mass aluminum arm suspended in ball-bearing race; balanced by resiliently-mounted decoupled counterweight

Cartridge: Shure M91E with elliptical diamond stylus

Minimum Tracking Force: $\frac{1}{2}$ gram

Platter Weight: Approx. 4 lbs.

Simulated walnut grained, wood products base

