

# Technics



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Music can best express man's greatest joys and deepest sorrows, for of all the arts it is the most eloquent.

Music figures much in literature, because great writers have always instinctively realised its importance.

"Music", said Congreve, "can soothe the savage breast". And Shakespeare famously observed: "The man that hath no music in himself, and is not moved with concord of sweet sounds, is fit for treasons, stratagems and spoils".

Bringing musical inspiration intact into the home is the audio maker's *raison d'être*. Technology, no matter how complex and fascinating, is merely a means to this end, and must remain so.

Paying due respect to the intentions of the composer and the artiste, Technics audio engineers and designers work to reproduce their work with the greatest possible fidelity.

They have the latest and best laboratories at their disposal, but they have no magic wand. Success comes but slowly, hard-won at the frontiers of audio science.

The high fidelity components introduced on the following pages are the fruits of their patient labours.

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# Technics Digital Audio

Technics are ready for third generation audio, the '80s will see the realisation of the digital audio era.

SV-P100 Digital Audio Cassette Recorder.  
SQ CD10 Complete Disc Digital Audio Player.



## **SQ CD10 DESTINED TO BECOME THE WORLD STANDARD: THE COMPACT DISC**

Only 12cm in diameter, the Compact Disc holds one hour of programme time on its single recorded side, which is encoded in the form of microscopically small dots in an internal layer under a protective coating. The information is retrieved by a precisely focused semi-conductor laser beam which makes no physical contact with the disc. Several major manufacturers in both the hardware and software fields have already announced their decision to standardize on the Compact Disc Digital Audio System as the audio medium of the future.

## **SV-P100 DIGITAL MASTER RECORDING FOR EVERYBODY**

The Technics SV-P100 Digital Audio Cassette Recorder contains all electronic and mechanical systems for digital master recording and playback by the PCM process. Because of the extremely high information density, the SV-P100 uses standard VHS format video cassettes, resulting in a programme time of two hours. Operation is as easy as, perhaps even easier than, that of a conventional cassette deck.

# Technics Turntables

in connector cartridge that permits optimum interface between arm and cartridge. So successful that it is now being manufactured under licence by many world famous cartridge makers. Recent developments incorporating innovative microcomputer technology and linear tracking to newer systems have extended the pinnacles of performance and created a "high rise" turntable. That will satisfy even the hyper-critical audiophile.



## SL-5 Linear tracking direct-drive turntable

Compact record jacket surface size. Fully automatic with integral rotor/platter direct-drive motor. Dynamically balanced linear tracking tonearm with optoelectronic sensor and microcomputer control. T.N.R.C. (Technics non-resonant compound) chassis construction. Automatic speed selection. Auto cueing with muting and repeat facility. Front panel control keys. High performance plug-in connector MM cartridge.

**TURNTABLE PLATTER:** Aluminium diecast Ø 30cm. **MOTOR:** Ultra-low speed brushless D.C. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521)  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **ONEARM TYPE:** Dynamic balanced linear tracking gimbal suspension. **WEIGHT:** 9g incl. cartridge. **CARTRIDGE:** Plug-in connector, moving magnet stereo. **FREQUENCY RESPONSE:** 20-10,000Hz  $\pm 1$ dB. **POWER REQUIREMENTS:** (AC) 110/120/220/240V 50/60Hz. **POWER CONSUMPTION:** 10W. **DIMENSIONS:** (W)315 x (H)88 x (D)315mm. **WEIGHT:** 4.4kg.



## SL-7 Linear tracking quartz direct-drive turntable

Compact record jacket surface size. Quartz-phase-locked control with integral rotor/platter direct-drive motor. Dynamically balanced linear tracking tonearm with optoelectronic sensor and micro-computer control allowing fully automatic operation. Aluminium diecast upper cabinet and TNRC (Technics Non-Resonant Compound) base construction. Automatic record speed selection. 2-speed forward and backward "search" function. Auto-cueing with muting. Repeat facility. High performance plug-in connector MM cartridge with pure boron pipe cantilever.

**TURNTABLE PLATTER:** Aluminium diecast Ø30cm. **SPEED ACCURACY:** Within  $\pm 0.002\%$ . **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **ONEARM TYPE:** Dynamic balanced linear tracking gimbal suspension. **CARTRIDGE TYPE:** EPC-P202 Moving Magnet stereo. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50/60Hz. **POWER CONSUMPTION:** 20W. **DIMENSIONS (W x H x D):** 315 x 88 x 315mm. **WEIGHT:** 7kg.



### SL-10 Linear tracking quartz direct-drive turntable

Compact record jacket surface size. Quartz-phase-locked control with integral rotor/platter direct-drive motor. Dynamically balanced linear tracking tonearm with optoelectronic sensor and micro-computer control allowing fully automatic operation. Aluminium diecast cabinet. Automatic record speed selection. 2-speed forward and backward "search" function. Auto-cueing with muting. Repeat facility. High performance plug-in connector moving coil cartridge with coreless twin ring coil structure and pure boron pipe cantilever. Built-in low-noise, high S/N MC pre-amp.

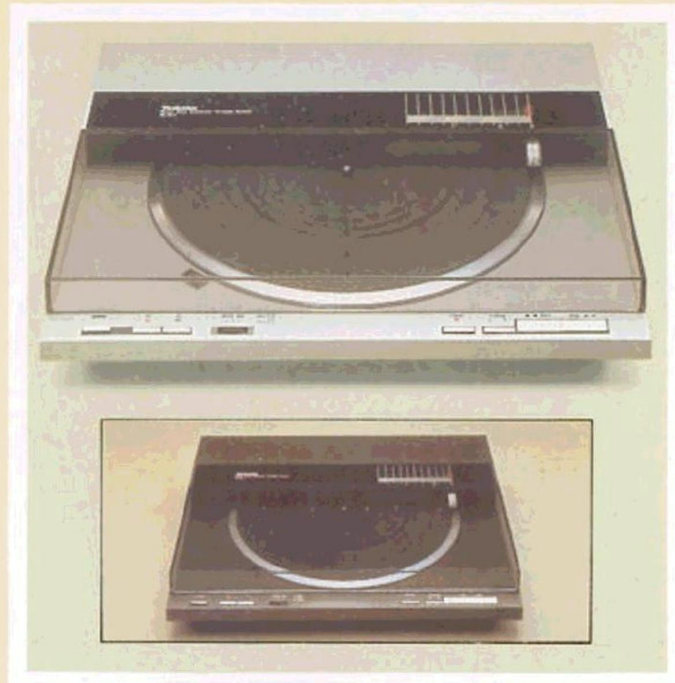
**TURNTABLE PLATTER:** Aluminium diecast Ø30cm. **SPEED ACCURACY:** Within  $\pm 0.002\%$ . **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TONEARM TYPE:** Dynamic balanced linear tracking gimbal suspension. **EFFECTIVE LENGTH:** 105mm. **CARTRIDGE TYPE:** EPC-310MC Moving coil stereo. **FREQUENCY RESPONSE:** 10-60,000Hz. **POWER REQUIREMENTS (AC):** 110/120/220/240V 50/60Hz. **POWER CONSUMPTION:** 18W. **DIMENSIONS (W×H×D):** 315×88×315mm. **WEIGHT:** 6.5kg.



### SL-QL1 Quartz direct-drive fully automatic linear tracking turntable

Quartz-phase-locked control with integral rotor/platter direct-drive motor. Dynamically balanced linear tracking tonearm with optoelectronic sensor and microcomputer control for fully automatic operation. Aluminium diecast cabinet and T.N.R.C. (Technics non-resonant compound) base. Automatic record speed selection. Two speed forward and reverse search function. Auto-cueing with muting. Repeat facility. High performance plug-in connector MM cartridge with pure boron pipe cantilever.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **MOTOR:** Ultra-low speed brushless D.C. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521)  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TONEARM:** Dynamic balanced linear tracking gimbal suspension. **EFFECTIVE MASS:** 9g incl. cartridge. **RESONANCE FREQUENCY:** 12Hz. **CARTRIDGE:** Plug-in connector, moving magnet. **FREQUENCY RESPONSE:** 20-35,000Hz  $\pm 3$ dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V 50/60Hz. **POWER CONSUMPTION:** 20W. **DIMENSIONS (W×H×D):** 430×88×350mm. **WEIGHT:** 7.4kg.



### SL-DL1 Direct drive fully automatic linear tracking turntable

Fully automatic with integral rotor/platter direct-drive motor. Dynamically balanced linear tracking tonearm with microcomputer and optoelectronic control. Pitch control adjustable up to 10%. Aluminium diecast upper cabinet with TNRC base construction. Automatic record speed selection. 2-speed forward and backward "search" function. Auto-cueing with muting. Repeat facility. High performance plug-in connector MM cartridge.

**TURNTABLE PLATTER:** Aluminium diecast Ø 31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521)  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **CARTRIDGE:** EPC-P23. **POWER REQUIREMENTS (AC):** 110/120/220/240V 50/60Hz. **POWER CONSUMPTION:** 17W. **DIMENSIONS (W×H×D):** 430×88×350mm. **WEIGHT:** 7.1kg.



### SL-DL5 Direct-drive fully automatic linear tracking turntable

Fully automatic with integral rotor/platter direct drive motor. Dynamically balanced linear tracking tonearm with microcomputer control. Aluminium diecast upper cabinet and T.N.R.C. (Technics non-resonant compound) base. Automatic record speed selection. Front panel control keys. Plug-in connector MM cartridge. Tonearm position indicator. (Also available in black)

**TURNTABLE PLATTER:** Aluminium diecast Ø 30cm. **MOTOR:** Ultra-low speed brushless D.C. **WOW AND FLUTTER:** 0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TONEARM:** Dynamic balanced linear tracking gimbal suspension. **RESONANCE FREQUENCY:** 12Hz (with cartridge). **CARTRIDGE:** Plug-in connector, moving magnet type. **FREQUENCY RESPONSE:** 20-10,000Hz ±1dB. **POWER REQUIREMENTS:** (AC) 110/120/220/240V 50/60Hz. **POWER CONSUMPTION:** 10W. **DIMENSIONS:** (W)430×(H)88×(D)323mm. **WEIGHT:** 5kg.

### SL-Q30 Fully-automatic front-control quartz-phase-locked DD turntable

Fully-automatic quartz-phase-locked control with integral rotor-platter direct-drive motor gives exceptionally low speed drift (within ±0.002%). Double isolated suspension system and aluminium diecast/TNRC base construction. Four-point gimbal suspension tonearm. Soft-touch front panel electronic controls with cueing facility. Technics plug-in connector cartridge system with EPC-P24 (MM) cartridge included.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB DIN B (IEC 98A weighted). **TONEARM TYPE:** Straight static - balanced with plug-in connector. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENT:** AC 240V, 50Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS:** (W)430×(H)106×(D)375mm. **WEIGHT:** 6.2kg.

### SL-Q303 Fully-automatic "front-control" quartz-phase-locked DD turntable

S-shaped tubular tonearm with detachable headshell and EPC-U25 (MM) cartridge included. High torque for fast start-up time.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **MOTOR:** Ultra low speed brushless DC. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TONEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **OVERHANG:** 15mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50-60Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS (W×H×D):** 430×106×375mm. **WEIGHT:** 6.5kg.



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### SL-Q20 Semi-automatic "front-control" quartz-phase-locked DD turntable

Quartz-phase-locked control with integral rotor-platter direct-drive motor gives exceptionally low speed drift (within  $\pm 0.002\%$ ). Double isolated suspension system and aluminium diecast/TNRC base construction. Four-point gimbal suspension tonearm. Soft-touch front panel electronic controls with cueing facility. Technics plug-in connector cartridge system with EPC-P24(MM) cartridge included.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB DIN B (IEC 98A weighted). **TO NEARM TYPE:** Straight static - balanced with plug-in connector. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENT:** AC 240V, 50Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS:** (W)430×(H)106×(D)375mm. **WEIGHT:** 6.1kg.

### SL-Q202 Semi-automatic "front-control" quartz-phased-locked DD turntable

S-shaped tubular tonearm with detachable headshell and EPC-U25 (MM) cartridge included. High torque for fast start-up time.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **MOTOR:** Ultra low speed brushless DC. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TO NEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **OVERHANG:** 15mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50-60Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS (W×H×D):** 430×106×375mm. **WEIGHT:** 6.5kg.



### SL-D30 Fully-automatic "front-control" direct-drive turntable

Fully-automatic operation with disc size selector. "Flat" integral rotor-platter direct-drive motor. Repeat function. Pitch adjustable up to 10% from rated speed. Cueing facility. Illuminated stroboscope. Four-point gimbal suspension tonearm. TNRC base. Technics plug-in connector cartridge system with EPC-P24(MM) cartridge included.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB DIN B (IEC 98A weighted). **TO NEARM TYPE:** Straight static - balanced with plug-in connector. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENT:** AC 240V, 50Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS:** (W)430×(H)110×(D)375mm. **WEIGHT:** 4.8kg.

### SL-D303 Fully-automatic "front-control" direct drive turntable

S-shaped tubular tonearm with detachable headshell and EPC-U25 (MM) cartridge included. High torque for fast start-up time.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521),  $\pm 0.035\%$  peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TO NEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50-60Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS (W×H×D):** 430×106×375mm. **WEIGHT:** 6kg.

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### SL-D20 Semi-automatic "front-control" direct-drive turntable

Flat integral rotor-platter direct-drive motor. Pitch adjustable up to 10% from rated speed. Cueing facility. Illuminated stroboscope. Four-point gimbal suspension tonearm. TNRC base. Technics plug-in connector cartridge system with EPC-P24(MM) cartridge included.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB DIN B (IEC 98A weighted). **TO NEARM TYPE:** Straight static-balanced with plug-in connector. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENT:** AC 240V, 50Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS:** (W)430×(H)110×(D)375mm. **WEIGHT:** 4.7kg.

### SL-D202 Semi-automatic "front-control" direct drive turntable

S-shaped tubular tonearm with detachable headshell and EPC-U25 (MM) cartridge included. High torque for quick start-up time.

**TURNTABLE PLATTER:** Aluminium diecast Ø31.2cm. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **TO NEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50-60Hz. **POWER CONSUMPTION:** 7W. **DIMENSIONS (W×H×D):** 430×106×375mm. **WEIGHT:** 6kg.

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### SL-B21 Semi-automatic DC servo belt-drive turntable

DC servo motor. Straight low mass aluminium alloy tonearm. Cueing facility. Technics plug-in connector cartridge system with EPC-P24(MM) cartridge included. Electronic speed change. TNRC base construction.

**TURNTABLE PLATTER:** Aluminium diecast Ø30.4cm. **WOW AND FLUTTER:** 0.045% WRMS (JIS C5521), ±0.06% peak (IEC 98A weighted). **RUMBLE:** -70dB DIN B (IEC 98A weighted). **TO NEARM TYPE:** straight static-balanced with plug-in connector. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENT:** AC 240V, 50Hz. **POWER CONSUMPTION:** 3W. **DIMENSIONS:** (W)430×(H)106×(D)375mm. **WEIGHT:** 4.2kg.

### SL-B202 Semi-automatic "front-control" FG servo belt-drive turntable

S-shaped tubular tonearm with detachable headshell and EPC-U25 (MM) cartridge included. Pitch control with 6% variability from rated speed. Illuminated stroboscope for accurate speed adjustment.

**TURNTABLE PLATTER:** Aluminium diecast Ø30.4cm. **WOW AND FLUTTER:** 0.045% WRMS (JIS C5521), ±0.06% peak (IEC 98A weighted). **RUMBLE:** -70dB (DIN B) (IEC 98A weighted). **TO NEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50-60Hz. **POWER CONSUMPTION:** 3W. **DIMENSIONS (W×H×D):** 430×106×375mm. **WEIGHT:** 4.2kg.



**SL-1000MK2** Quartz-phase-locked DD turntable with variable dynamic damping tonearm and obsidian base

**SP-10MK2** Quartz-phase-locked direct-drive turntable

Quartz reference broadcast standard. High load and starting torque for instantaneous start. Single row, quartz controlled stroboscope. Separate power supply unit. Remote control unit for start/stop functions. All circuits on three pin-connected modules.

**TURNTABLE PLATTER:** Aluminium diecast Ø32cm (weight 2.9kg). **MOTOR:** Brushless DC. **STARTING TORQUE:** 6kg.cm (5.2lbs in). **START-UP TIME:** 0.25 sec (25°) to 33 1/3rpm. **BRAKING TIME:** 0.3 sec (30°) from 33 1/3rpm to standstill. **SPEED FLUCTUATION BY LOAD CHANGES:** 0% within 5kg.cm. **SPEED DRIFT:** Within ±0.002%. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **POWER CONSUMPTION:** 26W. **DIMENSIONS (W×H×D):** 368.5×102.5×368.5mm. **WEIGHT:** 9.5kg.

**EPA-100** Variable dynamic damping universal tonearm

Specially designed for SP-10MK2. Variable dynamic damping. High-precision sensitive gimbal suspension employing ruby ball bearings. Titanium nitride tempered tonearm.

**EFFECTIVE LENGTH:** 250mm. **TOTAL LENGTH:** 322-350mm. **HEIGHT ADJUSTMENT RANGE:** 42-90mm. **OVERHANG:** 15mm.

**SH-10B3** Obsidian turntable base

Obsidian stone block mounted on rubber and rosewood veneered base. Heavy acrylic dust cover.

**DIMENSIONS (W×H×D):** 560×170×465mm. **WEIGHT:** 12kg.



**SL-1200MK2** Quartz synthesizer direct-drive turntable

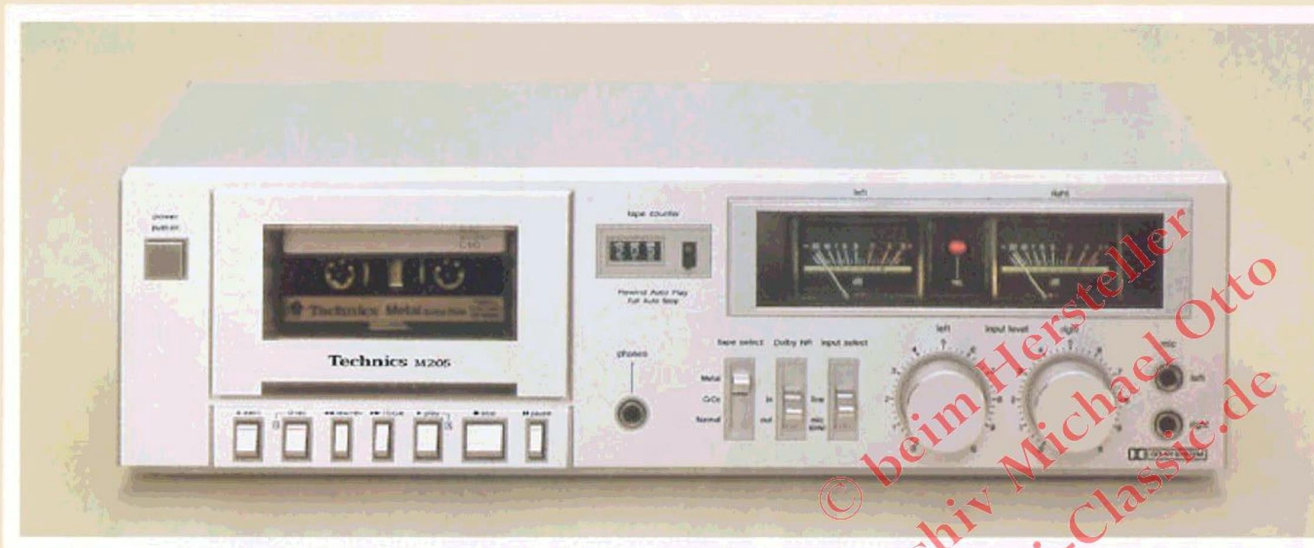
Professional Series turntable. Quartz-phase-locked control with integral rotor/platter direct-drive motor. Pitch control adjustable up to 8%. High torque for fast start. Aluminium diecast cabinet and special heavy rubber base material for acoustic isolation. Fully electronic braking system. High sensitivity, low mass, gimbal suspension tonearm. Helicoid tonearm height adjustment. Stylus illuminator for low-light conditions.

**TURNTABLE PLATTER:** Aluminium diecast Ø33.2cm. **MOTOR:** Ultra low speed brushless DC. **WOW AND FLUTTER:** 0.025% WRMS (JIS C5521), ±0.035% peak (IEC 98A weighted). **RUMBLE:** -78dB (DIN B) (IEC 98A weighted). **STARTING TORQUE:** 1.5kg.cm (1.3lb in). **START-UP TIME:** 0.7 sec (90°) to 33 1/3rpm. **TONEARM TYPE:** Static balanced tubular. **EFFECTIVE LENGTH:** 230mm. **OVERHANG:** 15mm. **POWER REQUIREMENTS (AC):** 110/120/220/240AC, 50/60Hz. **POWER CONSUMPTION:** 13.5W. **DIMENSIONS (W×H×D):** 453×162×360mm. **WEIGHT:** 11kg.

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# Technics Tape Decks

These include a multi-mode fluorescent display, inter-search and music select systems. With the introduction of high technology we have not forgotten the dedicated music lover! Elite Technics cassette decks offer top level performance by way of 3-motor direct drive mechanisms and one with a double capstan drive-system. Of even greater appeal will be the dbx noise reduction system incorporated into some decks, in addition to Dolby C and B systems.



## RS-M205 Metal tape compatible stereo cassette deck

Front loading deck with soft-touch tape transport mode switching. Rewind auto-play and cue/review facility. Single touch recording and one button timer rec/pb. MX rec/pb head and double gap ferrite erase head.

**WOW AND FLUTTER:** 0.05% (WRMS)  $\pm$ 0.14% (DIN). **FREQUENCY RESPONSE:** Metal tape 20-17000Hz, CrO<sub>2</sub> tape 20-16000Hz, Normal tape 20-15000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby NR in 66dB (above 5kHz), Dolby NR out 56dB (signal level = max recording level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 10W. **DIMENSIONS:** (W)430×(H)122×(D)206mm. **WEIGHT:** 3.9kg.

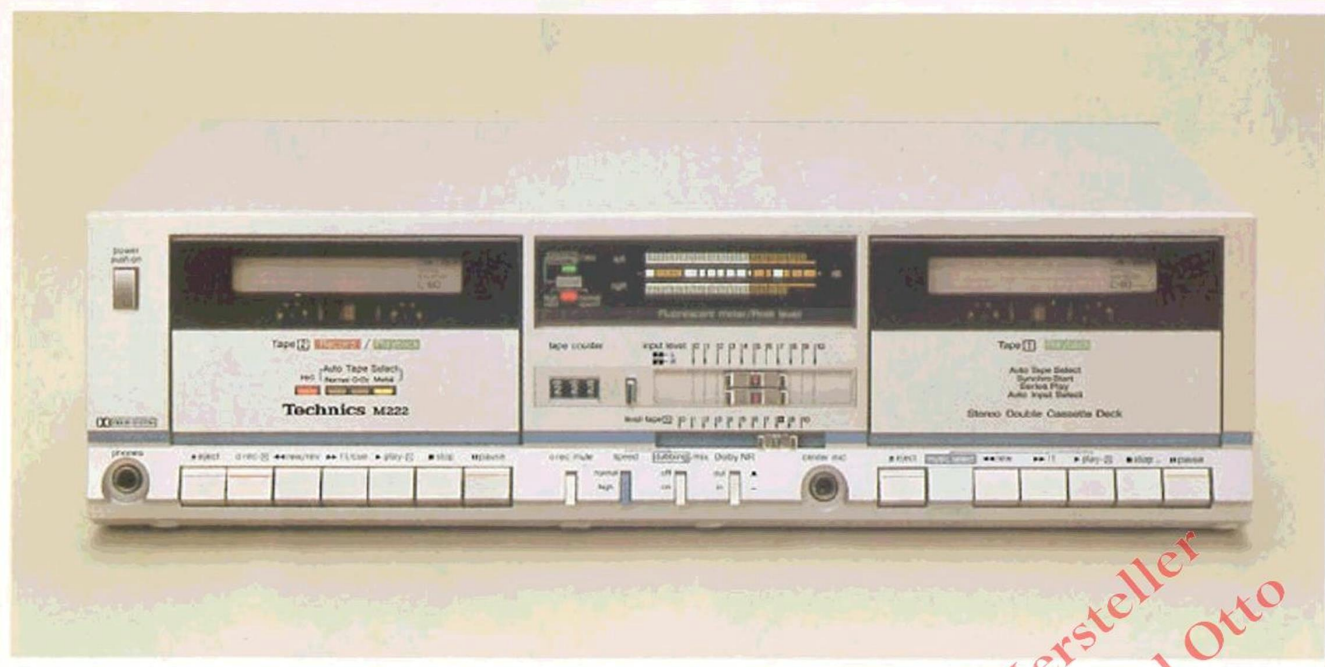


## RS-M216 Metal tape compatible stereo cassette deck

Front loading deck with soft-touch tape transport mode switching and 18 segment FL meters with peak hold. Rewind auto-play and cue/review facilities. Single touch recording and one-button timer recording/playback. MX rec/pb head and double-gap ferrite erase head.

**WOW AND FLUTTER:** 0.05% (WRMS)  $\pm$ 0.14% (DIN). **FREQUENCY RESPONSE:** Metal tape 20-17000Hz, CrO<sub>2</sub> tape 20-16000Hz, Normal tape 20-15000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby NR in 66dB (above 5kHz), Dolby NR out 56dB (signal level = max recording level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 11W. **DIMENSIONS:** (W)430×(H)109×(D)233mm. **WEIGHT:** 4.0kg.

"Dolby" and the double-D symbol are the trademarks of Dolby Laboratories. "dbx" is a registered trademark of dbx inc.



## RS-M222 Double cassette deck with high-speed dubbing capability

Soft-touch tape transport controls. Two colour FL meters with peak hold. "Synchro start" to simplify dubbing procedure. Mic mixing function available during recording and playback. Series playback (tape 2 → tape 1). Auto tape selector. MX playback head (tape deck 1). MX rec/pb and double-gap ferrite erase head (tape deck 2).

**WOW AND FLUTTER:** 0.048% (WRMS)  $\pm 0.14\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-19000Hz, CrO<sub>2</sub> tape 20-18000Hz, Normal tape 20-17000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby NR in 67dB (above 5kHz), Dolby NR out 57dB (signal level = max input level). **FAST DUBBING SPEED:** 9.5cm/s. **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 15W. **DIMENSIONS:** (W)430×(H)119×(D)278mm. **WEIGHT:** 5.6kg.

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## RS-M226 Dolby B and C NR systems equipped stereo cassette deck

Front loading, soft-touch tape transport cassette deck with both Dolby B and C noise reduction systems. 18 segment FL meters with peak hold. Rewind auto-play and cue/review facilities. Single touch recording and one-button timer recording/playback. MX rec/pb head and double-gap ferrite erase head.

**WOW AND FLUTTER:** 0.048% (WRMS)  $\pm 0.14\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-18000Hz, CrO<sub>2</sub> tape 20-18000Hz, Normal tape 20-17000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby C NR in 75dB (CCIR), Dolby B NR in 67dB (CCIR), NR out 57dB (signal level = max recording level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 12W. **DIMENSIONS:** (W)430×(H)109×(D)233mm. **WEIGHT:** 4.0kg.

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## RS-M228X dbx NR equipped stereo cassette deck

Front loading deck with soft-touch tape transport mode switching. Built-in dbx NR provides exceptionally wide dynamic range (110dB) and 30dB noise reduction effect and can be used to decode dbx encoded discs in conjunction with your present hi-fi system. "Auto Tape Selector" for automatic metal/CrO<sub>2</sub>/normal tape bias and EQ adjustment. Rewind auto-play and cue/review facilities. 3-colour peak-hold FL metering. Single touch recording and one-button timer recording/playback. MX rec/pb head and double-gap ferrite erase head.

**WOW AND FLUTTER:** 0.048% (WRMS)  $\pm 0.14\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-18000Hz, CrO<sub>2</sub> tape 20-18000Hz, Normal tape 20-17000Hz. **DYNAMIC RANGE:** 110dB (at 1kHz), dbx in. **SIGNAL-TO-NOISE RATIO:** dbx in 92dB, Dolby NR in 67dB (above 5kHz), Dolby NR out 57dB (signal level = max recording level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 20W. **DIMENSIONS:** (W)430×(H)109×(D)280mm. **WEIGHT:** 5.0kg.



## RS-M255X Microprocessor controlled stereo cassette deck

Built-in dbx NR provides exceptionally wide dynamic range (110dB) and 30dB noise reduction effect. dbx disc decoding facility. Microprocessor logic control. Feather touch operation. Two motors. Three colour wide range FL meters with auto-resetting peak-hold. Multi-function FL display with real-time counter. Auto tape selector. Output level control. Sendust extra rec/pb head and double gap ferrite erase head.

**WOW AND FLUTTER:** 0.038% (WRMS)  $\pm 0.13\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-20000Hz, CrO<sub>2</sub> tape 20-19000Hz, Normal tape 20-18000Hz. **DYNAMIC RANGE:** 110dB (at 1kHz), dbx in. **SIGNAL-TO-NOISE RATIO:** dbx in 92dB, Dolby NR in 68dB (above 5kHz), Dolby NR out 58dB (signal level = max input level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 28W. **DIMENSIONS:** (W)430×(H)108×(D)331mm. **WEIGHT:** 6.0kg.

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## RS-M258R Auto-reverse stereo cassette deck

Soft-touch tape mode switching and two colour FL meters with peak hold. Quick reverse at tape end (0.35 sec). Single-side, both sides or continuous operation functions. Auto-tape selector. Single-touch recording and one-button timer rec/pb. Output level control. Four fixed heads (two sendust extra and two double-gap ferrite erase).

**WOW AND FLUTTER:** 0.07% (WRMS)  $\pm 0.15\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-18000Hz, CrO<sub>2</sub> tape 20-18000Hz, Normal tape 20-17000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby NR in 67dB (above 5kHz), Dolby NR out 57dB (signal level = max input level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 20W. **DIMENSIONS:** (W)430 x (H)109 x (D)335mm. **WEIGHT:** 5.8kg.

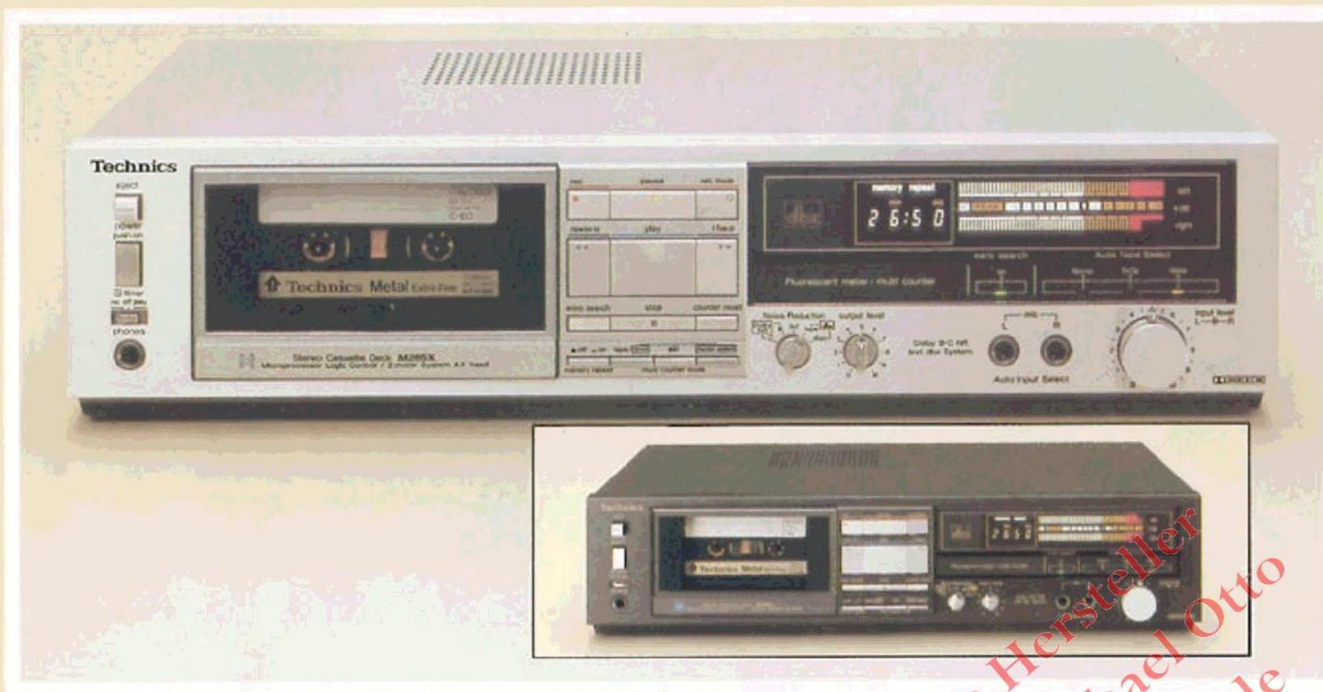
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## RS-M260 Three-head stereo cassette deck

Soft touch tape transport controls. Three-head system with LED function display. Double Dolby NR system. Eighteen segment, two-colour peak hold FL meters with auto-reset. Sendust extra head for metal tape recording. Single touch recording and one-button timer recording/playback. Rewind auto-play and cue-review facility. Output level control and recording mute.

**WOW AND FLUTTER:** 0.05% (WRMS)  $\pm 0.14\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-20,000Hz, CrO<sub>2</sub>/FeCr tape 20-20,000Hz, Normal tape 20-18,000Hz. **SIGNAL-TO-NOISE RATIO:** Dolby NR in 67dB (above 5kHz), Dolby NR out 57dB (signal level = max. recording level). **HEADS:** 3-head system, SX (Sendust extra); combination heads rec/pb; Sendust/ferrite double-gap head for erasure. **POWER REQUIREMENTS (AC):** 110/125/220/240V, 50/60Hz. **DIMENSIONS (W x H x D):** 430 x 119 x 282mm. **WEIGHT:** 5.3kg.



## RS-M265X dbx, Dolby C and B NR systems equipped stereo cassette deck

Microprocessor logic control. Feather-touch operation. Built-in dbx NR circuitry plus Dolby C and B NR systems. dbx disc decoding facility. Two motors. Three colour wide range FL meters with auto-resetting peak-hold. Multi-function FL display with real-time counter. Auto-tape selector. Output level control. Amorphous rec/pb head and double-gap ferrite erase head.

**WOW AND FLUTTER:** 0.045% (WRMS)  $\pm 0.14\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-20000Hz, CrO<sub>2</sub> tape 20-19000Hz, Normal tape 20-18000Hz. **DYNAMIC RANGE:** 110dB (at 1kHz), dbx in. **SIGNAL-TO-NOISE RATIO:** dbx in 92dB, Dolby C NR in 76dB (CCIR), Dolby B NR in 68dB (CCIR), NR out 58dB (signal level = max input level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 37W. **DIMENSIONS:** (W)430×(H)98×(D)326mm. **WEIGHT:** 6.3kg.

## RS-M275XK Three motor system stereo cassette deck

Microprocessor logic control. Built-in dbx NR circuitry plus Dolby C and B NR systems. dbx disc decoding facility. Three colour FL meters with auto-resetting peak-hold. Multi-function FL display with real-time counter. Bias line adjustment. Auto tape selector. Output level control. Amorphous rec/pb head and double-gap ferrite erase head. Two DC reel motors and one DD capstan motor.

**WOW AND FLUTTER:** 0.03% (WRMS)  $\pm 0.07\%$  (DIN). **FREQUENCY RESPONSE:** Metal tape 20-20000Hz, CrO<sub>2</sub> tape 20-19000Hz, Normal tape 20-18000Hz. **DYNAMIC RANGE:** 110dB (at 1kHz), dbx in. **SIGNAL-TO-NOISE RATIO:** dbx in 92dB, Dolby C NR in 76dB (CCIR), Dolby B NR in 68dB (CCIR), NR out 58dB (signal level = max input level). **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 37W. **DIMENSIONS:** (W)430×(H)98×(D)326mm. **WEIGHT:** 6.5kg.



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# Technics Amplifiers

Technics "New Class A" amplifier technology has solved a problem that baffled engineers for a long time: to produce Class A sound purity without the problems of low efficiency, heat, size and price. Linear feedback (LFB) is another Technics solution to the problem of amplifier distortion.

Negative feedback is conventionally used to reduce harmonic distortion, our research showed that the problem was in the way NFB has been applied. Our neat solution was to refine the concept until only its beneficial effects remain. The combination of the technology contributes to the high performance and clean sound quality of Technics amplifiers.



## SU-Z45 Stereo integrated amplifier

35 watts per channel, 20Hz-20kHz, into 8 ohms, no more than 0.03% THD. FL power display with range switch. Two tape monitors with dubbing capability. Main-remote two-speakers system capability.

**CONTINUOUS POWER** (both channels driven) 1kHz (4 $\Omega$ , 8 $\Omega$ ) 40W $\times$ 2, 40Hz-16kHz (4 $\Omega$ , 8 $\Omega$ ) 35W $\times$ 2. **THD (20Hz-20kHz) at rated power:** 0.03% (8 $\Omega$ ). **FREQUENCY RESPONSE:** Phono RIAA standard curve  $\pm$ 0.8dB, Tuner/aux/tape; 5Hz-80kHz (-3dB). **S/N RATIO (IH, A):** Phono; 81dB, Tuner/aux/tape; 97dB. **POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 310W. **DIMENSIONS:** (W)430 $\times$ (H)86 $\times$ (D)288mm. **WEIGHT:** 5.8kg.



## SU-V3 Stereo DC integrated amplifier

New Class A with Linear Feedback and syncho-bias circuitry. Concentrated power amp section. Fluorescent (FL) power meter display with range switch. Remote action selector switching. Recording selector with two-way dubbing. Steep subsonic filter. Main-remote speaker terminals. Available in black and silver finish.

**CONTINUOUS POWER** (both ch driven): 1kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 50W, 2 $\times$ 45W, 20-20kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 45W, 2 $\times$ 40W. **THD (20-20kHz) at rated power:** 0.007% (8 $\Omega$ ). **FREQUENCY RESPONSE:** Phono; RIAA standard curve  $\pm$ 0.8dB, Tuner/aux/tape; +0, -0.2dB (20-20kHz). **S/N RATIO (IH, A):** Phono; 82dB, Tuner/aux/tape; 100dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 460W. **DIMENSIONS (W $\times$ H $\times$ D):** 430 $\times$ 97 $\times$ 310mm. **WEIGHT:** 7.2kg.



## SU-V5 Stereo DC integrated amplifier

New Class A with Linear Feedback and syncho-bias circuitry. Straight DC construction. Concentrated Power Block. ICL direct coupled MM/MC phono equalizer with LED indicators. Remote action selector switch. Fluorescent (FL) power motor display with range switch. Recording selector with two-way dubbing. Main-remote speaker terminals. Available in black and silver finish.

**CONTINUOUS POWER** (both ch driven): 1kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 65W, 2 $\times$ 65W, 20-20kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 60W, 2 $\times$ 60W. **THD (20-20kHz) at rated power:** 0.005% (8 $\Omega$ ). **FREQUENCY RESPONSE:** Phono; RIAA standard curve  $\pm$ 0.5dB, Tuner/aux/tape; +0, -0.2dB (20-20kHz). **S/N RATIO (IH, A):** Phono MM; 86dB, Phono MC; 68dB, Tuner/aux/tape; 100dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 515W. **DIMENSIONS (W $\times$ H $\times$ D):** 430 $\times$ 97 $\times$ 310mm. **WEIGHT:** 7.8kg.




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## SU-V7K Stereo DC integrated amplifier

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New Class A with Linear Feedback and syncho-bias circuitry. Straight DC construction. Concentrated power block. ICL direct coupled MM/MC phono equalizer. Remote action selection switch. Recording selector with two-way dubbing. Main-remote speaker terminals.

**CONTINUOUS POWER (both ch driven):** 20-20kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 80W, 2 $\times$ 80W. **THD (20-20kHz) at rated power:** 0.003% (8 $\Omega$ ). **FREQUENCY RESPONSE:** Phono; RIAA standard curve  $\pm$ 0.5dB, Tuner/aux/tape; +0, -0.2dB (20-20kHz). **S/N RATIO (IHF, A):** Phono MM; 86dB, Phono MC; 68dB, Tuner/aux/tape; 100dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 630W. **DIMENSIONS (W $\times$ H $\times$ D):** 430 $\times$ 120 $\times$ 330mm. **WEIGHT:** 11.5kg.

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## SU-V9K Stereo DC integrated amplifier

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New Class A with Linear Feedback and syncho-bias circuitry. Straight DC construction. Concentrated power block. Steep 12dB/oct Super-Bass boost. ICL direct coupled phono equalizer. Remote action selector switch. MM and MC phono cartridge inputs. Recording selector with two-way dubbing. Full control functions protected by soft-eject oil damped glass door. Main-remote speaker terminals.

**CONTINUOUS POWER (both ch driven):** 20-20kHz (4 $\Omega$ , 8 $\Omega$ ) 2 $\times$ 120W, 2 $\times$ 120W. **THD (20-20kHz) at rated power:** 0.003% (8 $\Omega$ ). **FREQUENCY RESPONSE:** Phono; RIAA standard curve  $\pm$ 0.2dB, Tuner/aux/tape; +0dB; -0.2dB (straight DC). **S/N RATIO (IHF, A):** Phono MM; 88dB, Phono MC; 71dB, Tuner/aux/tape; 103dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 850W. **DIMENSIONS (W $\times$ H $\times$ D):** 430 $\times$ 120 $\times$ 350mm. **WEIGHT:** 14.7kg.



## SE-A5 Stereo DC power amplifier

New Class A with Linear Feedback and synchro-bias circuitry. Independent left and right channel power transformers. Concentrated power block. Large peak power meters. Current surge protection circuit. Gold plated input terminals and connectors.

**RATED POWER (RMS):** 20Hz-20kHz (both ch driven)  $2 \times 120W$  (8 $\Omega$ ),  $2 \times 160W$  (4 $\Omega$ ). **THD:** Rated power (20Hz-20kHz) 0.002% (8 $\Omega$ ), 0.003% (4 $\Omega$ ). **POWER BANDWIDTH:** (both ch driven) 8 $\Omega$ , 5Hz-100kHz (0.007% THD) -3dB. **FREQUENCY RESPONSE:** DC -20kHz, +0dB, -0.1dB. **INPUT SENSITIVITY/IMPEDANCE:** 1V/47k $\Omega$ . **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 1000W. **DIMENSIONS (W x H x D):** 430 x 178 x 416mm. **WEIGHT:** 18.4kg.

## SU-A6 Stereo DC control amplifier

All-class A circuitry. Parallel low noise FET ICL phono equalizer amp with MM and MC inputs. Super-Bass and Super-Treble controls for equalization. Remote action switches for all selectors. Phono input/output terminals gold plated.

**INPUT SENSITIVITY/IMPEDANCE:** Phono MM, 2.5mV/47k $\Omega$ ; Phono MC, 100 $\mu$ V/47k $\Omega$ ; Tuner/aux/tape, 150mV/47k $\Omega$ . **THD (20Hz-20kHz):** Tuner/aux/tape, 0.002% (3V output at max vol); Phono MM, 0.002% (3V output at max vol); Phono MC, 0.003% (3V output at max vol). **S/N RATIO (IHF, A):** Tuner/aux/tape, 106dB; Phono MM, 88dB; Phono MC, 74dB. **FREQUENCY RESPONSE:** Phono MM, RIAA standard curve  $\pm 0.2$ dB; Phono MC, RIAA standard curve  $\pm 0.5$ dB; Tuner/aux/tape, +0dB, -3dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 10W. **DIMENSIONS (W x H x D):** 430 x 97 x 360mm. **WEIGHT:** 5.5kg.

## SE-A7 Stereo/Mono DC power amplifier

New Class A with linear feedback and synchro-bias circuitry. Independent left and right channel power transformers. Auto load impedance detection. FL peak power meters with range switch. LED indicators for meter range and BTL operation. Main-remote speaker terminals.

**RATED POWER (RMS):** 20Hz-20kHz (both ch driven) (4 $\Omega$ , 8 $\Omega$ )  $2 \times 60W$ . **THD:** Rated power (20Hz-20kHz) 0.003% (8 $\Omega$ ), 0.007% (4 $\Omega$ ). **FREQUENCY RESPONSE:** 20Hz-20kHz, +0dB, -0.2dB. **INPUT SENSITIVITY:** 47k $\Omega$ . **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50/60Hz. **DIMENSIONS:** (W)430 x (H)53 x (D)365mm. **WEIGHT:** 9.5kg.

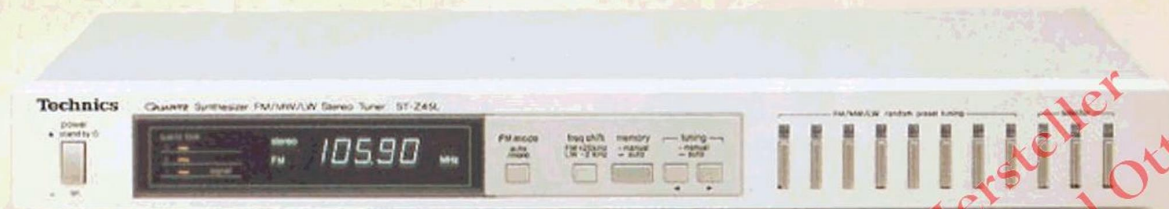
## SU-A8 Stereo/DC control amplifier

All Class A circuitry. Low noise FET ICL phono equalizer amp with MM and MC inputs. Straight DC operation switching. Fader control. Two tape monitors with dubbing facility.

**INPUT SENSITIVITY:** Phono MM 1.25mV (2.5mV, IHF 66); Phono MC 85 $\mu$ V (170 $\mu$ V, IHF 66); Tuner, aux, tape 75mV (150mV, IHF 66). **INPUT IMPEDANCE:** Phono MM, tuner, aux, tape 47k $\Omega$ ; Phono MC 220 ohms. **THD:** (20Hz-20kHz) (0.5V out at vol. -30dB). Phono MM, tuner, aux, tape 0.002%; Phono MC 0.006%. **S/N RATIO (IHF, A):** Tuner, aux, tape 100dB; Phono MM 76dB; Phono MC 75dB. **FREQUENCY RESPONSE:** Phono MC/MM, RIAA standard curve  $\pm 0.2$ dB; Tuner, aux, tape +0dB, -3dB. **POWER REQUIREMENTS (AC):** 110/120/220/240V, 50/60Hz. **POWER CONSUMPTION:** 15W. **DIMENSIONS:** (W)430 x (H)53 x (D)365mm. **WEIGHT:** 4.5kg.

# Technics Tuners

Technics engineers have developed the first ever DC tuner. This radical concept, made possible by the quartz controlled frequency synthesizer has made an enormous difference to bass range broadcast sound. New DC peak sampling and low mpx stereo decoder circuitry is state-of-the-art technology resulting in a dramatic improvement in stereo wave form fidelity. Newly developed microprocessors permit digital readout of frequency channel number and signal strength.



## ST-Z45L Quartz synthesizer FM/MW/LW stereo tuner

Slimline digital tuner with quartz synthesizer tuning of up to 16 preset stations (8FM, 8AM). Auto-scan tuning. Dual function FL display, pre-set channel number/received frequency. Frequency shift switch, FM+25kHz/LW-2kHz. Signal strength display.

### FM TUNER SECTION:

**SENSITIVITY:** S/N 26dB, 1.8 $\mu$ V (300 $\Omega$ ), 0.9 $\mu$  (75 $\Omega$ ). **THD:** Mono 0.08%, Stereo 0.15%. **FREQUENCY RANGE:** 87.50-108.00MHz. **FREQUENCY RESPONSE:** 20Hz-15kHz, +0.5dB, -1.5dB. **CAPTURE RATIO:** 1.0dB. **STEREO SEPARATION:** (1kHz) 40dB (10kHz) 30dB.

### AM TUNER SECTION:

**SENSITIVITY:** (MW) 20 $\mu$ V, 300 $\mu$ V/m (LW) 50 $\mu$ V. **SELECTIVITY:** 55dB. **FREQUENCY RANGE:** MW 522-1611kHz (9kHz step), 530-1620kHz (10kHz step), LW 153-353kHz.

### GENERAL:

**POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 8W. **DIMENSIONS:** (W)430 x (H)53 x (D)245mm. **WEIGHT:** 2.4kg.



## ST-S31L Quartz synthesizer FM/MW/LW stereo tuner

Slimline digital tuner with quartz synthesizer tuning of up to 16 preset stations (8FM, 8AM). Auto-scan tuning. Normal/super-narrow IF bandwidth selection. Dual function FL display, pre-set channel number/received frequency. Frequency shift switch, FM+25kHz/LW-2kHz. Signal strength display. (Also available in black)

### FM TUNER SECTION:

**SENSITIVITY:** S/N 26dB 1.8 $\mu$ V (300 $\Omega$ ), 0.9 $\mu$ V (75 $\Omega$ ). **THD:** Mono 0.08%, Stereo 0.15%. **FREQUENCY RANGE:** 87.50-108.00MHz. **FREQUENCY RESPONSE:** 20Hz-15kHz, +0.5dB, -1.5dB. **CAPTURE RATIO:** 1.0dB. **STEREO SEPARATION:** (1kHz), 50dB (10kHz) 40dB.

### AM TUNER SECTION:

**SENSITIVITY:** (MW) 20 $\mu$ V, 300 $\mu$ V/m (LW) 50 $\mu$ V. **SELECTIVITY:** 55dB. **FREQUENCY RANGE:** MW 522-1611kHz (9kHz step), 530-1620kHz (10kHz step), LW 153-353kHz.

### GENERAL:

**POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 8W. **DIMENSIONS:** (W)430 x (H)53 x (D)245mm. **WEIGHT:** 2.4kg.

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## ST-S4T Quartz synthesizer FM/AM stereo tuner

Slimline digital tuner with quartz synthesizer push button tuning of up to 16 preset stations (8 FM, 8 AM). Built-in micro-computerised quartz programmable 24 hour timer. Normal/super narrow IF band selector. Automatic scan tuning. Quartz lock indicator. Digital preset channel indicator. Available in silver and black finish.

### FM TUNER SECTION

**SENSITIVITY:** S/N 26dB (75Ω, 300Ω); 0.9μV, 1.8μV. **THD:** Mono; 0.08%, Stereo; 0.1%. **FREQUENCY RANGE:** 87.50-108.00MHz. **FREQUENCY RESPONSE:** 20Hz-15kHz; +0.5dB, -1.5dB. **CAPTURE RATIO:** 1.0dB. **STEREO SEPARATION:** (1kHz, 10kHz) 50dB, 40dB.

### AM TUNER SECTION

**SENSITIVITY:** 30μV. **SELECTIVITY:** 55dB. **FREQUENCY RANGE:** 522-1,611kHz (9kHz step); 530-1,620kHz (10kHz step).

### GENERAL

**POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 8W. **DIMENSIONS (W×H×D):** 430×53×300mm. **WEIGHT:** 3.3kg.

## ST-S6K Quartz synthesizer FM/AM stereo tuner

DC amplification, DC detection and DC sample-hold multiplex circuitry. Quartz synthesizer controls with 16 station full random access preset memory. Automatic scan tuning. Normal/super narrow IF band selector. Digital signal strength indicator. LED multipath indicator. Preset channel indication by digital display.

### FM TUNER SECTION

**SENSITIVITY:** S/N 26dB(75Ω); 0.85μV. **THD:** Mono; 0.04%, Stereo; 0.06%. **FREQUENCY RANGE:** 87.5-108.02MHz. **FREQUENCY RESPONSE:** 5Hz-18kHz; +0.2dB, -0.5dB. **CAPTURE RATIO:** 1.0dB. **STEREO SEPARATION:** (1kHz, 10kHz) 55dB, 40dB.

### AM TUNER SECTION

**SENSITIVITY:** 30μV. **SELECTIVITY:** 55dB. **FREQUENCY RANGE:** 522-1,611kHz (9kHz step); 530-1,620kHz (10kHz step).

### GENERAL

**POWER REQUIREMENTS (AC):** 110/120/220/240V, 50-60Hz. **POWER CONSUMPTION:** 9W. **DIMENSIONS (W×H×D):** 430×53×300mm. **WEIGHT:** 3.3kg.

## ST-S8 Quartz synthesizer FM/AM stereo tuner

DC amplification (inc. RF stage), DC detection and DC sample-hold, multiplex circuitry. Quartz synthesizer controls with 16 station full random access preset memory. Automatic scan tuning. Normal/super narrow IF band selector. Digital display of frequency received, channel number and FM signal strength. LED multipath and signal display.

### FM TUNER SECTION

**SENSITIVITY:** S/N 26dB (75Ω) 0.85μV. **THD:** Mono 0.04%, stereo 0.06%. **FREQUENCY RANGE:** 87.50-108.02MHz. **FREQUENCY RESPONSE:** 5Hz-18kHz; +0.2dB, -0.5dB. **CAPTURE RATIO:** 1.0dB. **STEREO SEPARATION:** (1kHz, 10kHz), 55dB, 40dB.

### AM TUNER SECTION

**SENSITIVITY:** 30μV. **SELECTIVITY:** 55dB. **FREQUENCY RANGE:** 522-1611kHz (9kHz step), 530-1620kHz (10kHz step).

### GENERAL

**POWER REQUIREMENTS:** AC 110/120/220/240V, 50/60Hz. **POWER CONSUMPTION:** 11W. **DIMENSIONS:** (W)430×(H)53×(D)390mm. **WEIGHT:** 4.3kg.

# Technics Receivers

Simple and functional, yet boasting many facilities from our amplifier and tuner technology — new Class A amplifier circuitry, quartz synthesizer tuning, feather touch controls — convenient and clean design.



## SA-104L FM/MW/LW stereo receiver

Slim chassis and front panel design. Analogue tuning with dial scale colour change to indicate perfect tuning. LED signal strength meter. Rated output 20 watts per channel into 8 ohms from 40-20000Hz with no more than 0.04% THD. Main/remote two-speaker system capability.

### AMPLIFIER SECTION

**CONTINUOUS POWER** (both ch driven): 40Hz-20kHz, 4Ω 2×20W, 8Ω 2×20W. **THD:** Rated-power (40Hz-20kHz) 8Q, 0.04%. **INPUT SENSITIVITY AND IMPEDANCE:** Phono 2.5mV/47kΩ, Aux. Tape 150mV/22kΩ, Tape rec/play 180mV/22kΩ. **S/N RATIO** (rated power, 4Ω) Phono 70dB (IHF A: 73dB), Aux. tape 88dB (IHF A: 95dB). **FREQUENCY RESPONSE:** Phono, RIAA standard curve ±0.8dB, Aux. tape 7Hz-70kHz (-3dB). **TONE CONTROLS:** Bass (50Hz) ±10dB, Treble (20kHz) ±10dB.

### FM TUNER SECTION

**SENSITIVITY:** S/N, 26dB 1.7μV (300Q), 1.2μV (75Ω). **THD (STEREO):** 0.3%. **S/N RATIO (MONO):** 60dB (77dB IHF). **FREQUENCY RESPONSE:** 20Hz-15kHz, +1dB, -2dB. **SELECTIVITY:** 60dB. **STEREO SEPARATION (1kHz):** 40dB.

**AM TUNER SECTION** **SELECTIVITY:** 27dB. **SENSITIVITY:** 30μV.

### GENERAL

**POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 210W. **DIMENSIONS:** (W)430×(H)97×(D)260mm. **WEIGHT:** 5.4kg.



## SA-212L Quartz digital synthesizer FM/MW/LW stereo receiver

Slim chassis and front panel design. Quartz synthesizer digital tuning, 12 pre-sets: 6FM and 6MW/LW. Auto-scan tuning. LED signal strength indicator. LW frequency shift switch. Rated output 25 watts per channel into 8 ohms from 20Hz-20000Hz with no more than 0.04% THD. Main/remote 2-speaker system capability.

### AMPLIFIER SECTION

**CONTINUOUS POWER** (both ch driven): 40Hz-16kHz, 4Ω 2×25W, 8Ω 2×25W. **THD:** Rated-power (40Hz-16kHz) 8Q 0.04%. **INPUT SENSITIVITY AND IMPEDANCE:** Phono 2.5mV/47kΩ, Aux. Tape 150mV/22kΩ, Tape Rec/Play 180mV/22kΩ. **S/N RATIO** (rated power, 4Ω) Phono 70dB (IHF A: 80dB), Aux. Tape 88dB (IHF A: 95dB). **FREQUENCY RESPONSE:** Phono RIAA Standard Curve ±0.8dB, Aux. Tape 7Hz-70kHz (-3dB). **TONE CONTROLS:** Bass (50Hz) ±10dB, Treble (20kHz) ±10dB.

### FM TUNER SECTION

**SENSITIVITY:** S/N, 26dB 1.7μV (300Q), 1.2μV (75Ω). **THD (STEREO):** 0.15%. **S/N RATIO (MONO):** 65dB (78dB IHF). **FREQUENCY RESPONSE:** 20Hz-15kHz, +1dB, -2dB. **SELECTIVITY:** 70dB. **STEREO SEPARATION:** (1kHz) 40dB.

**AM TUNER SECTION** **SELECTIVITY:** 55dB. **SENSITIVITY:** 20μV.

### GENERAL

**POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER CONSUMPTION:** 240W. **DIMENSIONS:** (W) 430 × (H) 97 × (D) 300mm. **WEIGHT:** 6kg.



## SA-323L Quartz digital synthesizer FM/MW/LW stereo receiver

Slim chassis and front panel design. Quartz synthesizer digital tuning, 14 pre-sets: 7FM and 7MW/LW. Auto scan tuning. LW frequency shift switch. Normal/narrow IF selector. New Class A. Rated output 35 watts per channel into 8 ohms from 20Hz-20000Hz with no more than 0.007% THD. Dimension control to enhance ambience. Main/remote 2-speaker system capability. Two tape monitors with dubbing.

### AMPLIFIER SECTION

**CONTINUOUS POWER** (both ch driven): 40Hz-16kHz, 4Ω 2×40W, 8Ω 2×35W. **THD:** Rated-power (40Hz: 16kHz) 8Q 0.007%. **INPUT SENSITIVITY AND IMPEDANCE:** Phono 2.5mV/47kΩ, Aux. 150mV/22kΩ, Tape 2 150mV/22kΩ, Tape 1 Rec/Play 180mV/25kΩ. **S/N RATIO** (rated power, 4Ω) Phono 75dB (IHF A: 80dB), Aux. Tape 1, 2 88dB (IHF A: 95dB). **FREQUENCY RESPONSE:** Phono RIAA Standard Curve ±0.8dB, Aux. Tape 5Hz-70kHz (-3dB). **TONE CONTROLS:** Bass (50Hz) ±10dB, Treble (20kHz) ±10dB.

### FM TUNER SECTION

**SENSITIVITY:** S/N, 26dB 1.7μV (300Q), 1.2μV (75Ω). **THD (STEREO):** 0.15%. **S/N RATIO (MONO):** 60dB (78dB IHF). **FREQUENCY RESPONSE:** 20Hz-15kHz, +1dB, -2dB. **SELECTIVITY:** 70dB. **STEREO SEPARATION:** (1kHz) 40dB.

**AM TUNER SECTION** **SELECTIVITY:** 55dB. **SENSITIVITY:** 30μV.

### GENERAL

**POWER REQUIREMENTS:** AC 240V, 50Hz. **POWER REQUIREMENTS:** 320W. **DIMENSIONS:** (W) 430 × (H) 97 × (D) 300mm. **WEIGHT:** 7kg.

# Technics Speakers

It is not without justification that the loudspeaker has often been called the weakest link in the chain of high fidelity music reproduction. One major reason has been the fact that in over half a century the dynamic speaker design has principally remained the same with its inherent problems of "core break-up" and "cavity effects". Several of the world's leading speaker manufacturers therefore set out to find a method of constructing a flat diaphragm speaker unit with material of high rigidity and low mass to ensure even piston movement of the entire surface. The Technics invented Honeycomb disc speaker with its highly accurate wide range piston motion is the ideal match to appreciate the latest audiophile recordings in the new age of super dynamic and distortion-free sound.



## SB-8, SB-6, SB-4, SB-2

### Honeycomb Disc speaker system

The chief advantages of Honeycomb Disc drivers are low inherent distortion, smooth flat frequency response, wide frequency range and unit-to-unit uniformity.

#### SB-8

##### 3-way speaker system

Phase linearity. 32cm honeycomb disc woofer, 8cm honeycomb disc midrange and 2.8cm honeycomb disc tweeter. Tweeter and midrange level controls. Thermal relay protection with LED overload indicator. Dark rosewood finish cabinet.

**INPUT POWER:** 150W (music), 100W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 94dB/W (1m). **FREQUENCY RANGE:** 36Hz-35kHz (-10dB). **CROSSOVER FREQUENCY:** 1200Hz, 3500Hz. **DIMENSIONS:** (W)402×(H)711×(D)371mm. **WEIGHT:** 27kg.

#### SB-6

##### 3-way speaker system

Phase linearity. 25cm honeycomb disc woofer, 8cm honeycomb disc midrange and 2.8cm honeycomb disc tweeter. Tweeter and midrange level controls. Thermal relay protection with LED overload indicator. Dark rosewood finish cabinet.

**INPUT POWER:** 120W (music), 75W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 93dB/W (1m). **FREQUENCY RANGE:** 38Hz-35kHz (-10dB). **CROSSOVER FREQUENCY:** 800Hz, 4000Hz. **DIMENSIONS:** (W)350×(H)606×(D)328mm. **WEIGHT:** 17kg.

#### SB-4

##### 3-way speaker system

Phase linearity. 22cm honeycomb disc woofer, 5.2cm honeycomb disc midrange and 2.8cm honeycomb disc tweeter. Tweeter level control. Thermal relay protection with LED overload indicator. Walnut finish cabinet.

**INPUT POWER:** 90W (music), 60W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 91dB/W (1m). **FREQUENCY RANGE:** 45Hz-35kHz (-10dB). **CROSSOVER FREQUENCY:** 1800Hz, 3500Hz. **DIMENSIONS:** (W)285×(H)540×(D)262mm. **WEIGHT:** 11kg.

#### SB-2

##### 2-way speaker system

Phase linearity. 18cm honeycomb disc woofer, 2.8cm honeycomb disc tweeter. Thermal relay protection with LED overload indicator. Walnut finish cabinet.

**INPUT POWER:** 60W (music), 40W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 90dB/W (1m). **FREQUENCY RANGE:** 55Hz-35kHz (-10dB). **CROSSOVER FREQUENCY:** 3000Hz. **DIMENSIONS:** (W)223×(H)372×(D)216mm. **WEIGHT:** 5.5kg.



## SB-T40, SB-T20, SB-T10

### "Tower" speaker range

New style tall and slim design offers enhanced bass response compared to conventional speaker shape. All models feature linear phase speaker design concept. T40 and T20 systems also incorporate Honeycomb disc with "axially symmetric" diaphragm. Dark rosewood finish cabinets.

#### SB-T40

**3-way bass reflex:**  
**INPUT POWER:** 90W (music) 60W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 91dB/W (1m). **FREQUENCY RANGE:** 32Hz-38kHz (-16dB). **CROSSOVER FREQUENCY:** 1800Hz, 3500Hz. **DIMENSIONS:** (W)285 × (H)830 × (D)255mm. **WEIGHT:** 13.5kg.

#### SB-T20

**2-way bass reflex:**  
**INPUT POWER:** 60W (music) 50W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 90dB/W (1m). **FREQUENCY RANGE:** 38Hz-38kHz (-16dB). **CROSSOVER FREQUENCY:** 3000Hz. **DIMENSIONS:** (W)230 × (H)755 × (D)225mm. **WEIGHT:** 9.5kg.

#### SB-T10

**2-way bass reflex:**  
**INPUT POWER:** 60W (music) 50W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 91dB/W (1m). **FREQUENCY RANGE:** 43Hz-25kHz (-16dB). **CROSSOVER FREQUENCY:** 5000Hz. **DIMENSIONS:** (W)230 × (H)755 × (D)225mm. **WEIGHT:** 8.5kg.

## SB-F40, SB-F20

### Multipurpose speaker systems with Listening Space Selector

Large/small listening area selector. Midrange and Tweeter can be rotated for vertical (bass reflex) and horizontal (air suspension) operation. Heavy duty enclosure with handle/guard. Thermal relay protection.

#### SB-F40

14cm honeycomb disc woofer, 5.2cm honeycomb disc midrange and 2.8cm honeycomb disc tweeter.  
**INPUT POWER:** at 8Ω impedance: 60W (music) 30W (DIN); at 4Ω impedance: 100W (music) 50W (DIN). **OUTPUT LEVEL:** 87dB/W (1m). **FREQUENCY RANGE:** (at 8Ω, bass reflex) 70Hz-35kHz (-10dB). **CROSSOVER FREQUENCIES:** at 8Ω setting, 1500Hz, 5000Hz. **DIMENSIONS:** Vertical (bass reflex) (W)149 × (H)315 × (D)170mm; Horizontal (air suspension) (W)315 × (H)153 × (D)187mm. **WEIGHT:** 3.5kg.

#### SB-F20

14cm woofer, 6cm midrange and 1.4cm dome tweeter.  
**INPUT POWER:** at 8Ω impedance: 60W (music) 30W (DIN); at 4Ω impedance: 100W (music) 50W (DIN). **OUTPUT LEVEL:** 87dB/W (1m). **FREQUENCY RANGE:** (at 8Ω, bass reflex) 75Hz-20kHz (-10dB). **CROSSOVER FREQUENCIES:** 2000Hz, 5000Hz. **DIMENSIONS:** Vertical (bass reflex) (W)149 × (H)315 × (D)170mm; Horizontal (air suspension) (W)315 × (H)153 × (D)187mm. **WEIGHT:** 2.5kg.



#### SB-F20, F40

Optional accessories available are:  
**WALL BRACKET SH 370** and **CAR BRACKET SH 371**.



## SB-F3 2-way speaker system

90 watt music power handling capacity. 16cm woofer unit with high energy magnet structure. Horn tweeter with 19mm diaphragm and 3-piece horn construction. Specially designed crossover network for linear phase response.

**INPUT POWER:** 90W (music), 60W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 89dB/W (1m). **FREQUENCY RANGE:** 45-20,000Hz (-16dB). **CROSSOVER FREQUENCY:** 3,000Hz. **DIMENSIONS (W × H × D):** 179 × 321 × 191mm. **WEIGHT:** 5kg.

## SB-F2 2-way speaker system

75 watt music power handling capacity. 12cm woofer unit with high energy magnet structure. Horn tweeter with 19mm diaphragm and 2-piece horn construction. Specially designed crossover network for linear phase response. Mounting options; angle bracket (SH-S2).

**INPUT POWER:** 75W (music), 50W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 88dB/W (1m). **FREQUENCY RANGE:** 48-20,000Hz (-16dB). **CROSSOVER FREQUENCY:** 3,500Hz. **DIMENSIONS (W × H × D):** 138 × 254 × 157mm. **WEIGHT:** 3.3kg.

## SB-F1 2-way speaker system

60 watt music power handling capacity. 10cm woofer unit with high energy magnet structure. Horn tweeter with 13mm diaphragm and 2-piece horn construction. Specially designed crossover network for linear phase response. Mounting options; tripod stand (SH-S1), angle bracket (SH-S2), suspension chain (SH-S3).

**INPUT POWER:** 60W (music), 40W (DIN). **IMPEDANCE:** 8Ω. **OUTPUT LEVEL:** 86dB/W (1m). **FREQUENCY RANGE:** 50-20,000Hz (-16dB). **CROSSOVER FREQUENCY:** 4,000Hz. **DIMENSIONS (W × H × D):** 118 × 210 × 126mm. **WEIGHT:** 2.3kg.

A combination of high technology and elegant living resulting in the no-compromise systems range. Incorporating the features and quality of hi-fi separates carefully matched to audiophile standards which enable the less technical, assurance of hi-fi reproduction.



## SYSTEM Z25

### SL-B21

#### Semi automatic belt drive turntable.

DC servo motor. Straight low mass aluminium alloy tonearm. Technics plug-in connector cartridge system with high performance (MM) cartridge included.

### SU-Z25

#### Stereo integrated amplifier

25 watts per channel, 20Hz-20kHz, into 8 ohms, no more than 0.03% THD. Input selector with LED indication. Electronic muting circuit to protect speakers during on/off switching.

### ST-Z25L

#### FM/MW/LW stereo tuner

LED tuning and signal strength indicator. FM inter-station noise muting. Illuminated tuning scale. Large detachable AM loop aerial supplied.

### RS-M216

#### Stereo cassette deck

Soft-touch tape transport controls. Peak hold FL meters. Rewind auto-play and cue/review. Single-touch recording and one-button timer rec/pb. Wow and flutter 0.05% (WRMS).

### SB-3110

#### Two-way speaker system

Bookshelf speaker system with 55W music power handling. Dark rosewood cabinet finish with detachable grilles.

### HS-645

#### Audio cabinet

Vertical design, dark rosewood finish with full front glass door. Exterior dimensions.

(H)857 × (W)468 × (D)445mm.



## SYSTEM Z45

### SL-D21 Semi-automatic direct-drive turntable

Flat integral rotor-platter DD motor (wow and flutter 0.025% WRMS). Straight low-mass aluminium alloy tone-arm. Technics plug-in connector cartridge system with high performance (MM) cartridge included.

### SU-Z45 Stereo integrated amplifier

35 watts per channel, 20Hz-20kHz into 8 ohms, no more than 0.03% THD. FL power meters with range switch. Two tape monitors with dubbing capability.

### ST-Z45L Quartz synthesizer FM/MW/LW stereo tuner.

Auto-scan tuning and auto memory. 16 station random access memory (over all bands). Dual function FL display, pre-set channel number/received frequency. Frequency shift switch, FM+25kHz/LW-2kHz.

### RS-M216 Stereo cassette deck

Soft-touch tape transport controls. Peak hold FL meters. Rewind auto-play and cue/review. Single-touch recording and one-button timer rec/pb. Wow and flutter 0.05% (WRMS).

### SB-3130 Three-way speaker system

Bookshelf speaker system with 80W music power handling. Dark rosewood cabinet finish with detachable grilles.

### HS-645 Audio cabinet

Vertical design, dark rosewood finish with full front glass door. (H)857×(W)468×(D)445mm.

## SYSTEM Z45T

### ELECTRONICS

#### SL-D21, SU-Z45, ST-Z45L, RS-M216

This system incorporates identical electronics — as the Z45 system — with the enhancement of superior speaker performance and deluxe cabinet design.

### SB-T10

#### 2-way linear phase tower speaker system

Floor standing speaker system with 60W music power handling. Dark rosewood finish cabinet with detachable grilles.

### HS-665

#### Audio cabinet

Vertical design, dark rosewood finish with full front glass door and screened part-glass sides. (H)857×(W)468×(D)445mm.



## SYSTEM Z65K

### SL-Q21K

#### Quartz DD semi-automatic turntable

Quartz phase-locked direct drive DC motor with integral rotor-platter. Strobe line and quartz oscillator prism strobe light. Technics plug-in connector cartridge system with high performance (MM) cartridge included.

### SU-Z65K

#### Stereo integrated amplifier

50 watts per channel, 20Hz-20kHz. into 8 ohms, no more than 0.007% THD. New Class A with Linear Feedback circuitry. FL power meter display with range switch. Two tape monitors with dubbing capability. Subsonic and high filter switching.

### ST-Z45LK

#### Quartz synthesizer FM/MW/LW stereo tuner

Auto-scan tuning and auto memory. 16 station Random Access Memory (over all bands). Dual function FL display, pre-set channel number/received frequency. Frequency shift switch, FM+25kHz/LW -2kHz.

### RS-M226K

#### Dolby B and C equipped stereo cassette deck

Soft touch tape transport controls. Peak hold FL meters. Rewind auto-play and cue/review. Single-touch recording and one-button timer rec/pb. Wow and flutter 0.05% (WRMS).

### SB-T10

#### 2-way linear phase tower speaker system

Floor standing speaker system with 60W music power handling. Dark rosewood finish cabinet with detachable grilles.

### HS 665

#### Audio cabinet

Vertical design, dark rosewood finish with full front glass door and screened part-glass sides.

(H)857×(W)468×(D)445mm.

## LA MINI SERIE

### SU-C04

#### Stereo integrated DC amplifier

30 watts per channel at 8 ohms from 20Hz-20kHz with THD not more than 0.007%. New Class A with Linear Feedback and synchro-bias circuitry. Soft touch controls and LED function indicators. Two tape monitors with dubbing capability.

### ST-C04L

#### Quartz synthesizer FM/MW/LW stereo tuner

Quartz synthesizer tuner with 12 presets (6FM, 6MW/LW). Auto-scan tuning. Digital frequency display.

### RS-M07

#### Soft-touch control stereo cassette deck

Soft-touch controls. Auto-tape selector. Rewind auto-play. Peak hold FL meters. One button timer recording/playback. Cue and review facility. Wow and flutter 0.048% (WRMS).

Technics SL-5 turntable and SB-F1 speakers illustrated, are available as optional extras.



The 1980s have seen the creation of "New Audio", a concept only made possible by the jacket-size linear tracking turntable. Technics offers a range of systems based on a width of 315mm — the size of a record sleeve — a classic blend of perfectly matched, high technology products with simple operation.

For full details, refer to our separate brochure "315 SERIES" available from your Technics dealer.

## 315 Series New audio systems



## SA-C05L/SB-F05 PORTABLE HI-FI SYSTEM

Integral amplifier, tuner and cassette deck plus detachable speakers. For total system portability the following features are offered — direct (gold-plated) speaker connections, mains and battery power source options and carrying handle.

30W per channel music power into 4 ohms. Built-in 7 band stereo equalizer. 3-band tuner with built-in FM rod aerial. Soft-touch cassette mechanism with TPS system. 2-way linear phase speaker system. MM input. Aux input, Rec out terminals for tape dubbing.

### AMPLIFIER SECTION

**CONTINUOUS POWER (both ch driven, at 5% THD):** 1kHz (4 $\Omega$ ) 2 $\times$ 15W (AC), 2 $\times$ 20W (DC 15V). **INPUT SENSITIVITY AND IMPEDANCE:** Phono 2.5mV/47k $\Omega$ , Aux 150mV/22k $\Omega$ , MIC 1.5mV/10k $\Omega$ . **FREQUENCY RESPONSE:** Phono RIAA standard curve  $\pm$ 1dB, Aux/mic -3dB (20Hz-20kHz).

### FM TUNER SECTION

**SENSITIVITY:** 1.8 $\mu$ V/75 $\Omega$ . **THD (mono):** 0.2%. **S/N RATIO (mono):** 75dB (IHF). **FREQUENCY RESPONSE:** 20Hz-15kHz, +0.5dB, -1.5dB. **SELECTIVITY:** 60dB. **STEREO SEPARATION (1kHz):** 40dB.

### AM TUNER SECTION

**SENSITIVITY:** 30 $\mu$ V. **SELECTIVITY:** 27dB.

### CASSETTE DECK SECTION

**WOW AND FLUTTER:** 0.05% (WRMS)  $\pm$ 0.14% (DIN). **FREQUENCY RESPONSE:** Metal tape 20-17000Hz, CrO<sub>2</sub> tape 20-16000Hz, Normal tape 20-15000Hz.

### SIGNAL-TO-NOISE RATIO

Dolby NR in 65dB (above 5kHz), Dolby NR out 55dB (signal level = max. recording level).

### GENERAL

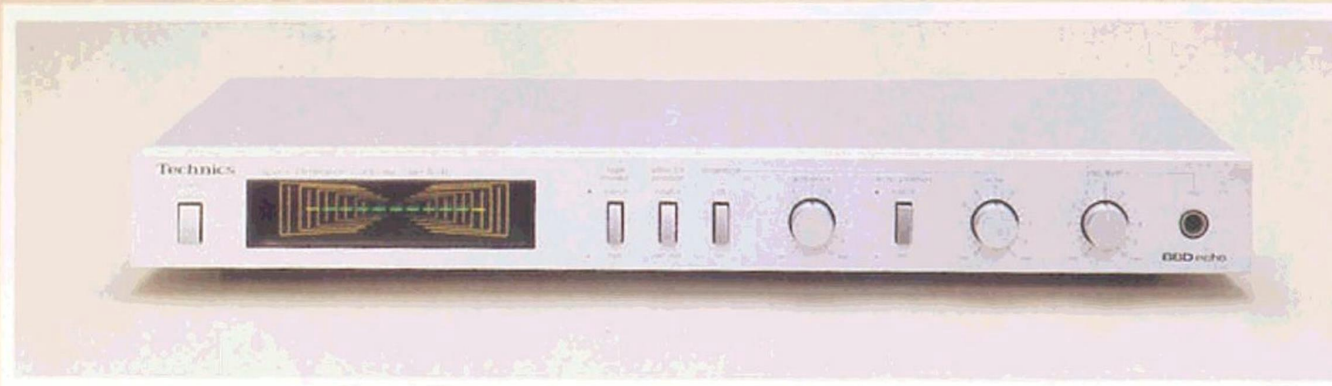
**POWER REQUIREMENTS (AC):** 110/120/220/240, 50/60Hz. DC 15V (UM1  $\times$  10). **POWER CONSUMPTION:** 105W (AC). **DIMENSIONS:** (W)271  $\times$  (H)232  $\times$  (D)206mm. **WEIGHT:** 4.5kg, 5.8kg (with AC power pack).

### SPEAKERS

**INPUT POWER:** 60W (music), 30W (DIN). **IMPEDANCE:** 4 $\Omega$ . **OUTPUT LEVEL:** 88dB B/W (1m). **FREQUENCY RANGE:** 68-50000Hz (-16dB). **CROSSOVER FREQUENCY:** 8000Hz. **DIMENSIONS:** (W)142  $\times$  (H)232  $\times$  (D)200mm. **WEIGHT:** 1.6kg.



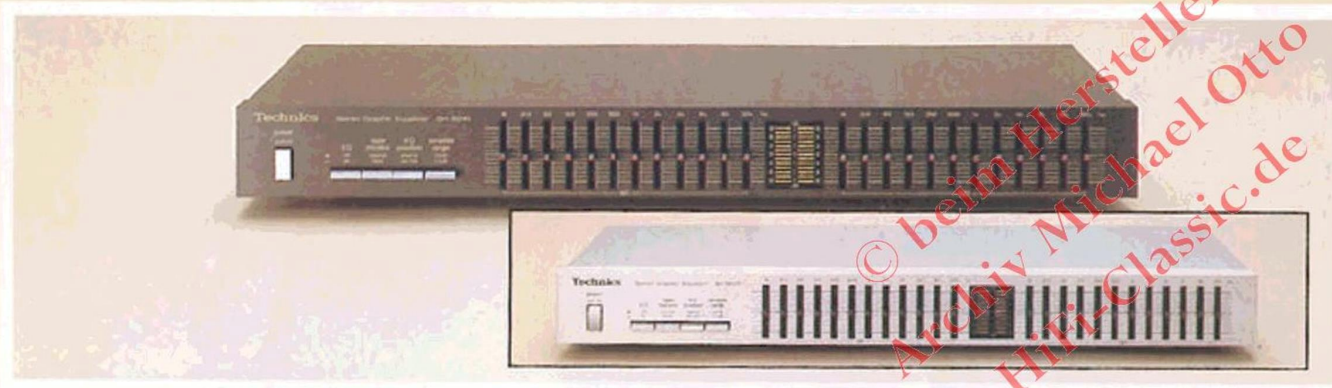
# Technics Graphic Equalizers



## SH-8040 Space dimension controller

Features versatile ambience — surround sound — and echo controls. Also microphone mixing with BBD electronic echo. The Effects position switch allows the enhanced sound to be recorded. Easy-to-read dimension and signal level display.

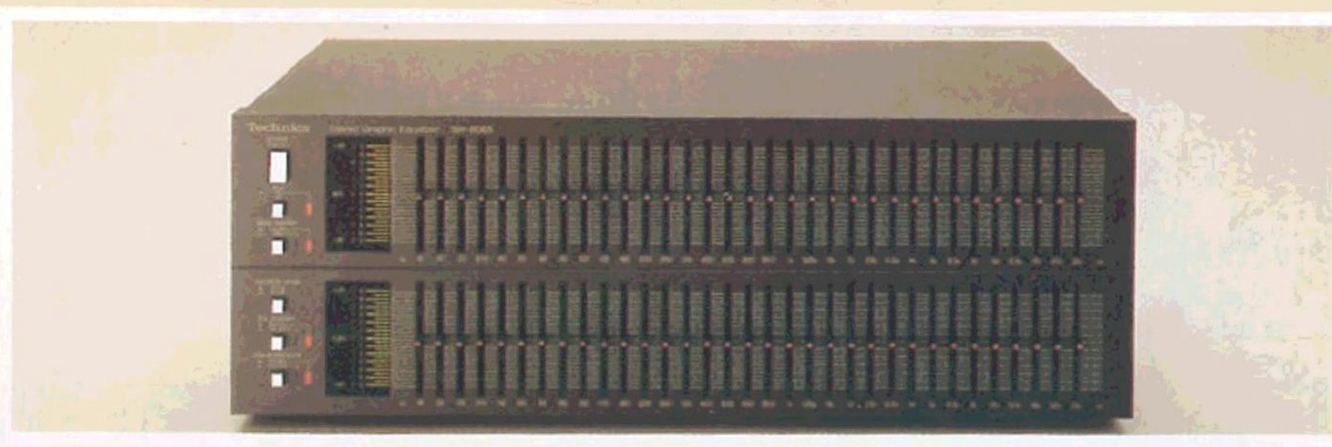
**FREQUENCY RESPONSE:** Line in, Tape 6Hz-50kHz, +0, -3dB; Mic 20Hz-30kHz, +0, -3dB. **RATED THD:** Line-in 0.003% (20Hz-20kHz, 150mV output). **SIGNAL-TO-NOISE RATIO:** Line-in 99dB. **DIMENSION ECHO TIME:** 64m sec. **SOUND IMAGE LOCALIZATION:** 30° (backward). **POWER REQUIREMENTS:** AC 110/120/220/240V, 50/60Hz. **POWER CONSUMPTION:** 11W. **DIMENSIONS:** (W)430×(H)53×(D)282mm. **WEIGHT:** 3.2kg.



## SH-8045 Stereo frequency equalizer

Twelve-band equalization for each stereo channel with centre frequencies one octave apart at 16Hz, 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz, 32kHz with centre click-stops. Frequency variation  $\pm 12$ dB or  $\pm 3$ dB with LED indicator. Equalizer operation on/off and function switches. Tape monitor switch. Available in black and silver finish.

**FREQUENCY RESPONSE:** 5Hz-100kHz, -1dB. **THD:** 0.005% (20Hz-20kHz). **SIGNAL-TO-NOISE RATIO:** 100dB (110dB, 1HF A). **INPUT IMPEDANCE:** 47k $\Omega$ . **POWER REQUIREMENTS:** AC 110/120/220/240V, 50/60Hz. **POWER CONSUMPTION:** 19W. **DIMENSIONS:** (W)430×(H)53×(D)235mm. **WEIGHT:** 2.6kg.



## SH-8065K Stereo frequency equalizer

World's first 33-band equalizer for each stereo channel with centre frequencies one-third of an octave apart at 16Hz, 20Hz, 25Hz, 31.5Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 4kHz, 5kHz, 6.3kHz, 8kHz, 10kHz, 12.5kHz, 16kHz, 20kHz, 25kHz. Characteristics reversal switch. Equalizer operation on/off and function switches. Frequency variation  $\pm 12$ dB or  $\pm 3$ dB with illuminated range display. Tape monitor switch.

**FREQUENCY RESPONSE:** 5Hz-100kHz, -1dB. **THD:** 0.0025% (20Hz-20kHz). **SIGNAL-TO-NOISE RATIO:** 100dB (110dB, 1HF A). **INPUT IMPEDANCE:** 47k $\Omega$ . **POWER REQUIREMENTS:** AC 110/120/220/240V, 50/60Hz. **POWER CONSUMPTION:** 29W. **DIMENSIONS:** (W)430×(H)153×(D)330mm. **WEIGHT:** 6.6kg.

# Technics Audio Accessories



**RP-V340  
Dynamic  
Microphone**

Cardioid microphone with "on/off" switch. Impedance 700Ω. Mini mic stand included.



**RP-V370  
Dynamic  
Microphone**

Cardioid microphone. Suitable for vocal recording use. Impedance 400Ω. "On-off" switch. Mic stand (RP-3012) included.



**RP-V3570D  
Dynamic  
Microphone**

Cardioid microphone for vocal recording use. Impedance 400Ω. "On/off" switch. Mic stand (RP-3012) included.



**RP-3215E  
Electret  
Condenser Stereo  
Microphone**

Cardioid (stereo) microphone with special wide-angle dual-mic design for very wide separation. Impedance 600Ω. Tripod mic stand (RP-3010) optional.



**RP-3505E  
Electret  
Condenser  
Microphone**

Cardioid microphone with output impedance of 600Ω. Battery requirement 1.5V (UM-3 or R6×1). Tripod mic stand (RP-3010) optional.



**RP-3545E  
Electret  
Condenser  
Microphone**

Cardioid microphone with output impedance of 600Ω. Battery requirement 3V (UM-3 or R6×2). Tripod mic stand (RP-3010) optional.

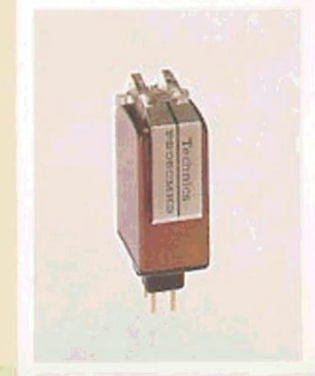


**RP-3835E  
Back Electret  
Condenser  
Microphone**

Cardioid microphone with excellent frequency response (30~18,000Hz). Ideal for hi-fi recording use. Music/vocal switch. Detachable windscreen. Tripod mic stand (RP-3010) included.



**RP-3010  
Tripod Mic Stand**



### EPC-100CMK3

Features a pure boron tapered pipe cantilever for world's lowest effective mass: 0.098mg. Frequency response: 15~80,000Hz  $\pm$ 3dB

Moving magnet construction.

### EPC-305MC

Features a pure boron pipe cantilever and Technics' original twin ring coil construction. Frequency response: 15~60,000Hz

Moving coil construction.

### EPC-310MC

Equipped with a pure boron pipe cantilever for low effective mass: 0.23mg. Coreless with ring coil structure. Frequency response: 10~60,000Hz

Moving coil construction.

### EPC-205CMK3

Features a pure boron pipe cantilever, Mirror Finished "HPF" core and TTDD. The extremely low effective mass (0.149mg) achieved. Frequency response: 15~60,000Hz  $\pm$ 3dB

Moving magnet construction.

### EPC-U205CMK3

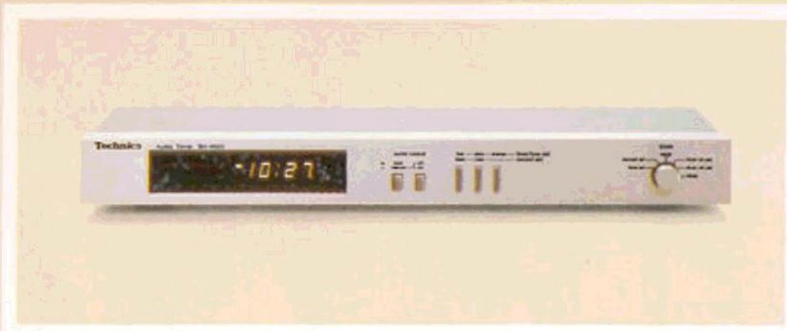
The "U" (for Universal) type cartridge which is identical in all performance characteristics with the EPC-205CMK3. Frequency response: 15~60,000Hz  $\pm$ 4dB

Moving magnet construction.

### EPC-P205CMK3

Equipped with the Technics plug-in connector. Identical in all performance characteristics with the EPC-205CMK3. Frequency response: 15~60,000Hz  $\pm$ 3dB

Moving magnet construction.



### SH 4020 AUDIO TIMER

On/off setting for daily repetition. Four outlets for unattended recording (plugs supplied). Sleep timer capability (up to 1hr 59min). Manual on/off outlet switching facility. Ultra-slim presentation.

**Clock accuracy:** Synchronized with mains frequency.

**Timer accuracy:** Within +0.02 sec.

**Power requirements:** AC 240V, 50Hz.

**Power consumption:** 7W (timer only).

**Dimensions:** (W)430×(H)83×(D)156mm.

**Weight:** 1.9kg.



### SH 4060 AUDIO PROGRAMMABLE TIMER

Quartz-lock clock with 24-hour digital indication on a multi-function FL display, which also shows on/off function, day and preset channel number. Programmable for auto selection of preset channels 1-16 when connected to Technics ST-S4L, ST-S6, ST-S8, ST-S31L and ST-Z45L tuners. Programme modes for one day/every day/Sat and Sun/not Sunday/weekday only selections.

**Clock accuracy:** Within +10sec monthly (at 25°C).

**Power supply:** AC 240V 50Hz.

**Power consumption:** 7W (timer only).

**Dimensions:** (W)430×(H)83×(D)156mm.

**Weight:** 1.9kg.



**SH-B10 Turntable Stand**  
TNRC construction offers exceptional feedback isolation. Suitable for use with SL-7 and SL-10.



**SH-F101** A compact indoor antenna that dramatically improves reception in strong signal areas. Within the 43cm wide antenna is a zig-zag pattern antenna element and two varactor diodes and coils to provide internal electronic tuning.



### SH-S1

Tripod Stand (for use with SB-F1)



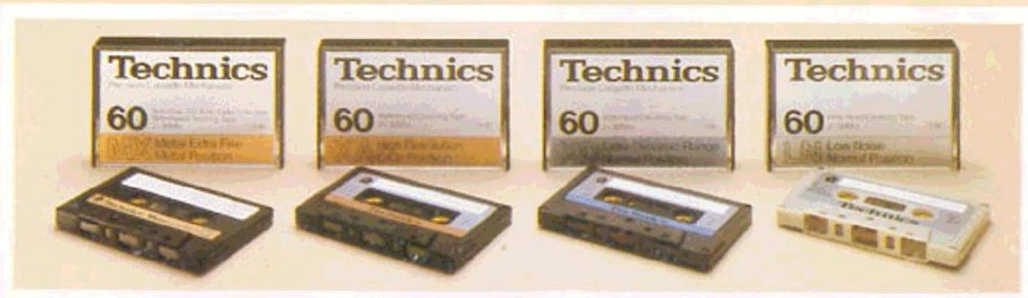
### SH-S2

Mount Angle (for use with SB-F1/SB-F2)



### SH-S3

Suspension Chain (for use with SB-F1)



### RT-60MX/90MX

**Extra Fine Metal Tape**  
Ideal for the most demanding musical material, when you need to capture all the musical detail without compromise.

### RT-60XA/90XA

**High Resolution Tape**  
High resolution cobalt-doped tape, designed to be used with chrome equalisation and bias settings.

### RT-60XD/90XD

**Extra Dynamic Range Tape**  
This high performance ferric tape formulation requires no special bias settings, and takes normal equalisation.

### RT-60LN/ 90LN/120LN

**Low Noise Tape**  
Designed for everyday recording needs, this low-noise ferric tape requires only normal bias and equalisation.



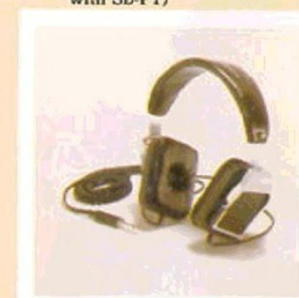
### EAH-01 Lightweight headphones

Super featherlight design only 35g. Wide frequency response 20Hz-20kHz. Maximum input power 100mW.



### EAH-810 Linear drive headphones

Linear drive design for wide, flat frequency response 20Hz-25kHz. Power handling capacity 1000mW.



### EAH-820 Linear drive headphones

Linear drive design for wide, flat frequency response 15Hz-30kHz. Power handling capacity 3000mW.

# Technics

## National Panasonic (U.K.) Ltd.

Technics, Panasonic and National are the brand names of Matsushita Electric

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Printed in UK

Produced by Paul Veasey Associates

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HiFi-Classice.de