

Technics

'84/'85



Technics: Making Beautiful Music Better. For Everyone.

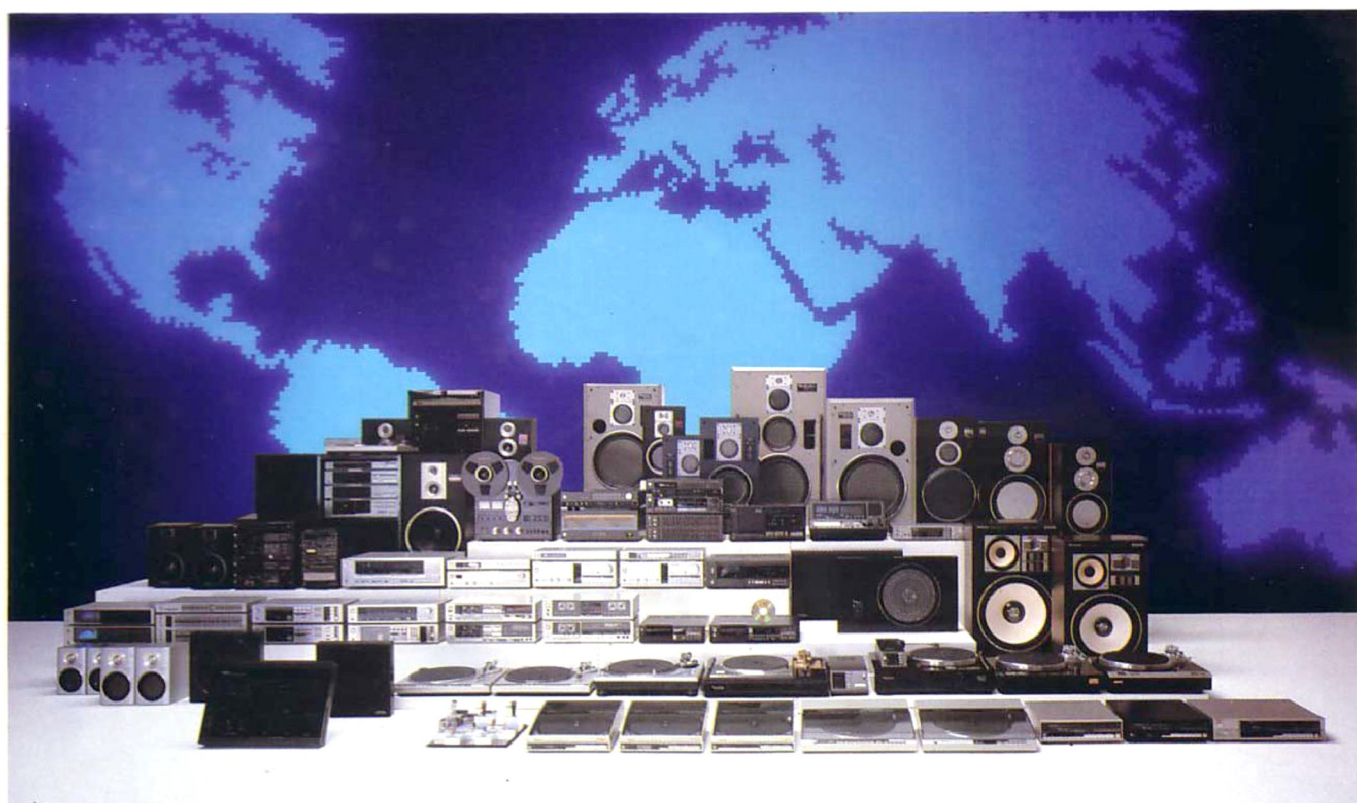
Technics. You know us as the name in high fidelity stereo components. But our real business is music—making beautiful music better. For the whole world. Year-in and year-out, we use the most advanced audio technology to develop products that reproduce the sounds you love as cleanly and faithfully as possible. So that the only way to enjoy your music more would be to hear it live in ideal concert conditions.

This year, we're beautifying music reproduction with exciting new components throughout our entire line. The SL-P50P CD player is fully equipped for professional applications. Our RS-B100 cassette deck features three heads and three noise reduction systems, including dbx*. The news in tuners is another technological

breakthrough: the integration of digital and analogue circuitry in our ST-G7. We also have 100W speakers that measure just 65mm deep and can be hung on the wall, a graphic equalizer with real-time spectrum analyzer, new linear-tracking, direct-drive turntables, Computer Drive New Class A amps with digital-audio and audio-visual capacity, and more—from complete integrated component systems to turntable components, from snap-in phono cartridges to accessories like headphones, mics, and tapes. They're all part of our contribution to beautiful music. Technics music. Music enjoyed by millions of people around the world. The kind of music we'd like you to experience with us in 1984 and onwards.

* dbx is a registered trademark of dbx Inc.

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H I F I S Y S T E M

A New Dimension in High Fidelity

FUTURE HIGH FIDELITY:

slim, compact, hanging on your wall like great works of art. High-fashion high fidelity that fits in rooms and blends with decors that conventional components cannot. It can be yours today with the SB-R100 speakers and the SA-R100L cassette receiver. In the case of the speakers, a unique configuration: the flat honeycomb discs allow a tweeter placed in the centre of the woofer, and the woofer in the centre of a bass-enhancing passive radiator. The ideal of a linear-phase "point sound source"—where both dispersion is the same both vertically and horizontally—is, thus, closely approached. The SB-R100s feature 100W input power and measure just 315mm x 315mm x 65mm. As for the SA-R100L, a slimmer, redesigned auto-reverse tape transport mechanism, an extremely flat transformer, and two high-density "fine pattern" printed circuit boards

comprise the new technology behind its 65mm depth. A detachable, infrared remote control unit for both cassette and FM/AM tuner functions

keeps the SA-R100L clean, uncluttered, and easy to operate from almost anywhere in the room.

System R100 SA-R100L

ULTRA-SLIM FM/MW/LW/
STEREO CASSETTE RECEIVER

- Infrared wireless remote control for all cassette deck, tuner and amp functions.
- 30 watts per channel at 8 ohms, 1kHz (DIN).
- Quartz synthesizer digital tuning with 8 FM and 8 AM station presets and auto-scan tuning.
- Quick auto-reverse recording/playback cassette deck with Dolby B-C NR and full logic control.
- Wall mounting kit and 70 degree angle table-top/floor stand.

SB-R100

COAXIAL HONEYCOMB
DISC SPEAKER SYSTEM

[see page 26]



HiFi System TYPE 55A



SU-8

Computer Drive
new design 4

COMPUTER DRIVE NEW CLASS A STEREO INTEGRATED AMPLIFIER

- 75 watts per channel at 8 ohms, 1kHz (DIN).
- Double Direct Connection System for convenient direct operation between amp and source.
- Super Bass switch for powerful bass reproduction.
- Phono (and CD) synchro recording capability.

ST-8L

QUARTZ SYNTHESIZER FM STEREO/MW/LW TUNER

- Quartz synthesizer digital tuning system for drift-free, accurate tuning.
- 16-station random access preset memory and auto-scan tuning.
- Large FL display.
- Direct Connector System for convenient direct operation.

RS-8R

AUTO-REVERSE
dbx

AUTO-REVERSE CASSETTE DECK WITH DBX AND DOLBY NR

- Auto-reverse playback with AX (amorphous) Thrust-Hold Rotary Head.
- 2-motor drive and microprocessor feather-touch control.
- Music repeat, blank skip and music select.
- Auto tape select and auto input select.
- Phono-synchro recording capability.

SL-J3

DIRECT-DRIVE FULLY AUTOMATIC TURNTABLE

- LP jacket size turntable with 8-band random access programming.
- Quartz-controlled direct-drive system with integral rotor-platter.
- Microcomputer-controlled operation including automatic record-size and speed selections.

- Linear tracking dynamic balance tonearm and T4D plug-in connector cartridge system.
- EPC-P33 MM cartridge supplied.

SB-X100

HONEYCOMB DISC 3-WAY SPEAKER SYSTEM

- 18cm woofer, 5.2cm mid-range and 2.8cm tweeter, all Honeycomb Disc Drivers.
- Frequency response 47Hz—35kHz (−16dB).
- Input power 100W (music).
- Thermal relay protection.

SL-P7 (Option)

COMPACT
DIGITAL AUDIO

COMPACT DISC PLAYER

- Simple key operation for many convenient functions including bi-directional 2-speed search with cueing sounds and 2-directional music-skip.
- Index search and skip for indexed CD.
- Multi-function FL display.

SH-E4 (Option)

STEREO GRAPHIC EQUALIZER

- 12-band, ± 12 dB equalization.
- Equalizer on/off switch.
- Direct Connector for easy set-up.



SL-J3
ST-8L
SU-8
SH-E4 (Option)
SB-X100 RS-8R SB-X100
SL-P7 (Option)



HiFi System TYPE 45A



SU-6

STEREO INTEGRATED AMPLIFIER

- 40 watts per channel at 8 ohms, 1kHz (DIN).
- Double Direct Connection System for convenient direct operation between amp and source.
- Super Bass switch for powerful bass reproduction.

ST-8L

QUARTZ SYNTHESIZER FM STEREO/MW/LW TUNER

- Quartz synthesizer digital tuning system for drift-free, accurate tuning.
- 16-station random access preset memory and auto-scan tuning.
- Large FL display.
- Direct Connector System for convenient direct operation.

RS-8R AUTO REVERSE **dbx**

AUTO-REVERSE CASSETTE DECK WITH DBX AND DOLBY NR

- Auto-reverse playback with AX (amorphous) Thrust-Hold Rotary Head.
- 2-motor drive and microprocessor feather-touch control.
- Music repeat, blank skip and music select.
- Auto tape select and auto input select.
- Phono-synchro recording capability.

SL-J2

DIRECT-DRIVE FULLY AUTOMATIC TURNTABLE

- LP jacket size direct-drive turntable with integral rotor-platter.
- Microcomputer-controlled operation including automatic record-size and speed selections.

- All front panel control including bidirectional skip/search function with Music Select indicator.
- Linear tracking dynamic balance tonearm and **TD** plug-in connector cartridge system.
- EPC-P30 MM cartridge supplied.

SB-F66

COMPACT LINEAR PHASE 3-WAY SPEAKER SYSTEM

- 16cm cone-type woofer, 6.5cm cone-type mid-range and horn-type tweeter.
- Frequency response 55Hz—28kHz (±16dB).
- Input power 100W (music).

SH-E4 (Option)

STEREO GRAPHIC EQUALIZER

- 12-band, ±12dB equalization.
- Equalizer on/off switch.
- Direct Connector for easy set-up.

SL-J2
ST-8L
SU-6
SH-E4 (Option)
SB-F66 RS-8R SB-F66



HiFi System TYPE 35A



SU-5A

STEREO INTEGRATED

AMPLIFIER

- 30 watts per channel at 8 ohms, 1kHz (DIN).
- Super Bass switch for powerful bass reproduction.
- Simple Direct Connector for easy set-up.

ST-8L

QUARTZ SYNTHESIZER

FM STEREO/MW/LW TUNER

- Quartz synthesizer digital tuning system for drift-free, accurate tuning.
- 16-station random access preset memory and auto-scan tuning.
- Large FL display.

RS-1W



DOUBLE CASSETTE DECK

- High speed operation.
- Soft-touch control and one touch recording.
- AX (amorphous) recording/playback heads.
- Mixing recording/playback.
- Music select, cue and review, and rewind auto-play.
- Auto tape select.

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SL-J1

LP JACKET SIZE FULLY

AUTOMATIC TURNTABLE

- Microcomputer-controlled operation including automatic record-size and speed selections.

- All front panel control including bidirectional skip/search function.
- Linear tracking dynamic balance tonearm and **T4P** plug-in connector cartridge system.
- DC servo belt-drive system for accurate platter rotation.
- EPC-P30S MM cartridge supplied.

SB-F44

COMPACT LINEAR PHASE

2-WAY SPEAKER SYSTEM

- 16cm cone-type woofer and horn-type tweeter.
- Frequency response 70Hz—25kHz (−16dB).
- Input power 60W (music).

SH-E4 (Option)

STEREO GRAPHIC

EQUALIZER

- 12-band, ±12dB equalization.
- Equalizer on/off switch.
- Direct Connector for easy set-up.



SL-J1
ST-8L
SU-5A
SH-E4 (Option)
SB-F44 RS-1W SB-F44



HiFi System TYPE 25A



SU-4

STEREO INTEGRATED AMPLIFIER

- 20 watts per channel at 8 ohms, 1kHz (DIN).
- Simple Direct Connector for easy set-up.
- Super Bass switch for powerful bass reproduction.

ST-4L

FM STEREO/MW/LW TUNER

- Long, linear dial scale and large, horizontally-aligned tuning knob for easy tuning.
- LED signal strength and stereo indicators.
- Direct Connector for easy set-up.

RS-4

CASSETTE DECK WITH SOFTTOUCH CONTROL

- Metal-compatible MX recording/playback head.
- LED level meter.
- Auto tape select and auto input select.
- One-touch recording, cue and review, and rewind auto-play.
- Direct Connector system.

SL-J1

LP JACKET SIZE FULLY AUTOMATIC TURNTABLE

- Microcomputer-controlled operation including automatic record-size and speed selections.

- All front panel control including bidirectional skip/search function.
- Linear tracking dynamic balance tonearm and **T4P** plug-in connector cartridge system.
- DC servo belt-drive system for accurate platter rotation.
- EPC-P30S MM cartridge supplied.

SB-F44

COMPACT LINEAR PHASE 2-WAY SPEAKER SYSTEM

- 16cm cone-type woofer and horn-type tweeter.
- Frequency response 70Hz—25kHz (–16dB).
- Input power 60W (music).

SL-J1
ST-4L
SU-4
SB-F44 RS-4 SB-F44



HiFi System TYPE 15



SA-K2L

FM/MW/LW STEREO CASSETTE RECEIVER

- 20 watts per channel at 8 ohms, 1kHz (DIN).
- Linear dial scale with LED tuning indicator.
- Soft-touch control, full auto-stop cassette deck.
- Automatic recording level control with LED peak level meter.

SL-JS1

LP JACKET SIZE FULLY AUTOMATIC TURNTABLE

- DC servo belt-drive system for accurate platter rotation.
- Microcomputer-controlled operation including automatic record-size selection.
- Gimbal suspension straight tonearm and **T4P** plug-in connector cartridge system.

- EPC-P30S MM cartridge supplied.

SB-F44

COMPACT LINEAR PHASE 2-WAY SPEAKER SYSTEM

- 16cm cone-type woofer and horn-type tweeter.
- Frequency response 70Hz—25kHz (–16dB).
- Input power 60W (music).

SL-JS1
SB-F44 SA-K2L SB-F44



HiFi System System Z400

SU-Z400 new class A NEW CLASS A STEREO INTEGRATED AMPLIFIER

- 60 watts per channel at 8 ohms, 1kHz (DIN).
- Quiet phono EQ circuitry for 75dB phono S/N ratio (2.5mV input).
- Pushbutton input selectors with programme source indicators.

ST-Z400L Computer QUANTUM DC QUARTZ SYNTHESIZER

FM STEREO/MW/LW TUNER

- Quartz DC digital tuning system for tuning accuracy and convenience.
- 8 FM and 8 AM station presets and auto-scan tuning.
- 19kHz pilot signal cancel circuit for extended high range frequency response (5Hz—18kHz, +0.5dB, -1.5dB).
- Large, easy-to-read LCD display.

RS-B11W 1 2 DOUBLE CASSETTE DOUBLE CASSETTE DECK

- High speed operation.
- Synchro-start recording; just press the rec button on TAPE 2.
- Soft-touch controls.
- 12-segment FL meters.
- Mic mixing rec/playback.
- Auto tape select.

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SL-D210

DIRECT-DRIVE SEMI-AUTOMATIC TURNTABLE

- Direct-drive system with integral rotor-platter, full-cycle-detection FG servo.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **T4P** plug-in connector cartridge system.

SB-3450 3-WAY SPEAKER SYSTEM

- 25cm cone type woofer with heat-resistant voice coil.
- 5.5cm cone-type tweeter and a horn-type super-tweeter.
- Input power 120W (music).

HS-680

HI-FI CABINET

- Technics furniture, in dark rosewood finish.
- Top opening lid and twin glass doors.
- Fully adjustable internal shelves providing flexible storage space for records or future equipment.

SH-8044 (Option)

STEREO GRAPHIC EQUALIZER

- Built-in real-time spectrum analyzer with FL display.
- 7-band, ± 12 dB equalization for each channel.
- Low-noise, low-distortion IC operation amp.
- Equalizer on/off switch.



SL-D210
ST-Z400L
SU-Z400
SH-8044 (Option)
RS-B11W
SB-3450 HS-680 SB-3450

HiFi System System Z300

SU-Z200

STEREO INTEGRATED AMPLIFIER

- 35 watts per channel at 8 ohms, 1kHz (DIN).
- Quiet phono EQ circuitry for 72dB phono S/N ratio (2.5mV input).

ST-Z400L Computer Synthesizer DC

QUARTZ SYNTHESIZER FM STEREO/MW/LW TUNER

- Quartz DC digital tuning system for tuning accuracy and convenience.
- 8 FM and 8 AM station presets and auto-scan tuning.
- 19kHz pilot signal cancel circuit for extended high range frequency response (5Hz—18kHz, +0.5dB, -1.5dB).
- Large, easy-to-read LCD display.

RS-B40 dbx

CASSETTE DECK WITH DBX AND DOLBY B-C NR

- 2-motor drive and microprocessor feather-touch controls.
- 12-segment FL meters.
- Metal-compatible MX recording/playback head.
- Slide input level and balance control.
- Auto input select.

SL-B210

BELT-DRIVE SEMI- AUTOMATIC TURNTABLE

- DC servo motor for accurate platter rotation.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **TAD** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P24S MM cartridge supplied.

SB-3430

3-WAY SPEAKER SYSTEM

- 20cm cone-type woofer with heat-resistant voice coil and high-compliance edge for high power handling capacity and powerful bass.
- 5.5cm cone-type tweeter and a horn-type super-tweeter.
- Input power 100W (music).

HS-680 HI-FI CABINET

- Technics furniture, in dark rosewood finish.
- Top opening lid and twin glass doors.
- Fully adjustable internal shelves providing flexible storage space for records or future equipment.

SL-B210
ST-Z400L
SU-Z200
RS-B40
SB-3430 HS-680 SB-3430



This cabinet may be used together with matching horizontal cabinet (model HS-810) and cubic cabinet (model HS-805) to provide a flexible system of furniture designed to meet current and future audio/video and TV needs.

HiFi System

System Z200

SU-Z200

STEREO INTEGRATED AMPLIFIER

- 35 watts per channel at 8 ohms, 1kHz (DIN).
- Quiet phono EQ circuitry for 72dB phono S/N ratio (2.5mV input).
- Pushbutton input selectors with programme source indicators.

ST-Z400L

Computer
QUARTZ DC

QUARTZ SYNTHESIZER FM STEREO/MW/LW TUNER

- Quartz DC digital tuning system for tuning accuracy and convenience.
- 8 FM and 8 AM station presets and auto-scan tuning.
- 19kHz pilot signal cancel circuit for extended high range frequency response (5Hz—18kHz, +0.5dB, -1.5dB).
- Large, easy-to-read LCD display.

RS-D200

CASSETTE DECK WITH SOFTTOUCH CONTROLS

- Metal-compatible MX recording/playback head.
- 2-colour LED level meters.
- One-touch recording.
- Slide input level and balance controls.
- Cue and review.

SL-B210

BELT-DRIVE SEMI- AUTOMATIC TURNTABLE

- DC servo motor for accurate platter rotation.
- Low-mass straight tonearm with sensitive 4-point gimbil suspension and **T4D** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P24S MM cartridge supplied.

SB-3410

2-WAY SPEAKER SYSTEM

- 20cm cone-type woofer with heat-resistant voice coil and high-compliance edge for high power handling capacity and powerful bass.
- 5.5cm cone-type tweeter with heat resistant voice coil.
- Input power 100W (music).

HS-620 HI-FI CABINET

Glass lid and full length glass door, adjustable shelf, record storage space, and castors.

SH-Z200 (Option)

STEREO GRAPHIC

EQUALIZER

- 7-band, ± 12 dB equalization for each channel.
- LED illuminated sliding controls.
- Low-noise, low-distortion electronic filter circuit.
- Equalizer on/off switch.



SL-B210
ST-Z400L
SU-Z200
SH-Z200 (Option)
RS-D200
SB-3410 HS-620 SB-3410

HiFi System System Z100

SU-Z100

STEREO INTEGRATED AMPLIFIER

- 20 watts per channel at 8 ohms, 1kHz (DIN).
- Light-touch pushbutton selectors including CD/Video/Aux input.
- Slide balance, volume, and low-distortion bass and treble controls.

ST-Z200L

FM STEREO/MW/LW TUNER

- Flywheel-assisted gyro-touch tuning knob and LED tuning indicator for easy tuning.
- RF junction FET-front end circuitry for high FM sensitivity.
- Reliable IC circuitry for high quality AM reception.
- Detachable AM loop antenna.

RS-D200

CASSETTE DECK WITH SOFT-TOUCH CONTROLS

- Metal-compatible MX recording/playback head.
- 2-colour LED level meters.
- One-touch recording.
- Slide input level and balance controls.
- Cue and review.

SL-B210

BELT-DRIVE SEMI-AUTOMATIC TURNTABLE

- DC servo motor for accurate platter rotation.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **T4D** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P24S MM cartridge supplied.

SB-3410

2-WAY SPEAKER SYSTEM

- 20cm cone-type woofer with heat-resistant voice coil and high-compliance edge for high power handling capacity and powerful bass.
- 5.5cm cone-type tweeter with heat resistant voice coil.
- Frequency response 50Hz—25kHz (−16dB).
- Input power 100W (music).

HS-620

HI-FI CABINET

Glass lid and full length glass door, adjustable shelf, record storage space, and castors.

SL-B210
ST-Z200L
SU-Z100
RS-D200
SB-3410 HS-620 SB-3410



HiFi System System 120

SA-120L

FM/MW/LW STEREO

RECEIVER

- 35 watts per channel at 8 ohms, 1kHz.
- Flywheel-assisted tuning

konb and illuminated, long dial scale for easy tuning.

- Low-distortion bass and treble controls.

RS-B10

CASSETTE DECK WITH

SOFTTOUCH
CONTROLS

- Metal-compatible MX recording/playback head.
- 2-colour LED level meters.
- One-touch recording.
- Large slide input level and balance controls.
- Cue and review.

SL-B210

BELT-DRIVE SEMI-AUTOMATIC TURNTABLE

- DC servo motor for accurate platter rotation.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **TAD** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P24S MM cartridge supplied.

SB-3410

2-WAY SPEAKER SYSTEM

- 20cm cone-type woofer with heat-resistant voice coil and high-compliance edge for high power handling capacity and powerful bass.
- 5.5cm cone-type tweeter with heat resistant voice coil.
- Frequency response 50Hz—25kHz (−16dB).
- Input power 100W (music).

HS-620

HI-FI CABINET

Glass lid and full length glass door, adjustable shelf, record storage space, and castors.

SL-B210
SA-120L
RS-B10
SB-3410 HS-620 SB-3410



This system may be available in an alternative cabinet. Please consult your dealer for details.

HEADPHONE



EAH-T15/EAH-T10

- Flat-disc diaphragm provides wide, flat frequency response (15Hz—20kHz).



- Low distortion and high input power.
- Ideal for digital audio source.
- Maximum input power 300mW (EAH-T15), 200mW (EAH-T10).



EAH-T5

- Dome-type acoustic film diaphragm and samarium-cobalt magnet assure flat frequency response (20Hz—20kHz).
- Maximum input power 150mW.



EAH-01

- Lightweight headphones of fold-down frame design.
- Weighs a mere 35g without cord.

MICROPHONE



RP-3835E

- Back-electret condenser cardioid microphone with detachable wind screen.
- Wide 30Hz to 18kHz frequency response.



RP-3505E

- Electret condenser cardioid microphones.
- 600 ohm impedance.
- Tripod mic stand (RP-3010) optional.



RP-3215E

- One-point stereo, electret-condenser microphone.
- 600 ohm impedance.
- Tripod mic stand (RP-3010) optional.



RP-3570D/V370/V340

- Cardioid dynamic microphones.
- Suited for vocal recording use.
- Mic stand included (RP-3012 desk-top stand in 3570D and V370, mini stand in V340).

HiFi System A/V Component System

Components shown on
this page are available
separately.

SU-V2X Computer Drive new class 4

COMPUTER DRIVE
NEW CLASS A STEREO
INTEGRATED AMPLIFIER

- 45 watts per channel at 8 ohms, 20Hz—20kHz with 0.005% THD.
- See page 16 for details.

ST-G5L Computer Quartz DC

QUARTZ SYNTHESIZER
FM STEREO/MW/LW TUNER

- All DC circuitry and quartz control for wide frequency response of 5Hz—18kHz (+0.2dB, -0.5dB).
- See page 19 for details.

RS-B40 dbx

CASSETTE DECK WITH DBX
AND DOLBY B-C NR

- 2-motor drive and microprocessor feather-touch controls.
- See page 25 for details.

SL-QX200

QUARTZ DIRECT-DRIVE
SEMI-AUTOMATIC
TURNTABLE

- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **T4P** plug-in connector cartridge system.
- See page 22 for details.

SB-X210

HONEYCOMB DISC
3-WAY SPEAKER SYSTEM

- 22cm woofer, 5.2cm mid-range and 2.8cm tweeter, all Honeycomb Disc Drivers.
- See page 27 for details.

HS-810 HI-FI CABINET

- Horizontal cabinet with twin glass doors, fully adjustable shelves, record storage dividers.

HS-805 HI-FI CABINET

- Cubic cabinet with glass door, adjustable shelf, record dividers.



HS-680 HI-FI CABINET

- Technics furniture, in dark rosewood finish.
- See page 8 for details.



Also shown are the Panasonic NV830B Hi Fi stereo sound VHS video recorder and TX C21 51cm screen colour TV/Monitor with Teletext, 2 channel Audio and flat square tube.



Cabinets HS-810, HS-805 and HS-680 match precisely to provide a flexible system of furniture to meet Audio Video and TV needs.

TV ON SCREEN PICTURE IS SIMULATED.

AMPLIFIER

Circuitry Innovations Give Our Amps a Boost

A series of advances in circuit technology have characterized the development of our amplifiers. 1984 models combine all or most of the followings:



COMPUTER DRIVE NEW CLASS A CIRCUITRY:

Computer Drive new class A

really a "computerization" of the output transistors. A microcomputer monitors transistor amplitude and temperature, and corrects fluctuations that can cause transient crossover distortion.

by preserving the optimum bias current. The result? Clean and clear sound ideally-suited to digital audio sources. Computer Drive New Class A combines the efficiency of Class B with the distortion-correction of Class A.

Waveform of Musical Instrument Tone



Transient crossover distortion is not generated.

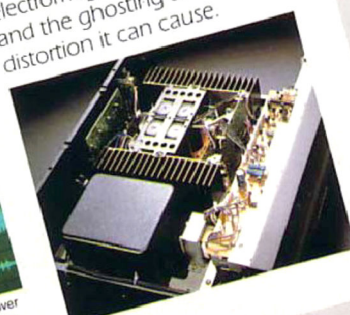


Transient crossover distortion is worst where signal level changes the most.

LFB (LINEAR FEEDBACK) CIRCUITRY: distortion is cancelled with nearly 100% effectiveness by combining NFB (Negative Feedback) with PFB (Positive Feedback) to amplify output and achieve infinite gain.

POWER LINEAR CIRCUITRY: handles complex impedance/frequency response relationships to drive a speaker system while maintaining linear performance characteristics.

CONCENTRATED POWER BLOCK: a close grouping of all high-current devices—the power supply and the output stage—which are connected by extremely short wires to minimize electromagnetic radiation and the ghosting and distortion it can cause.

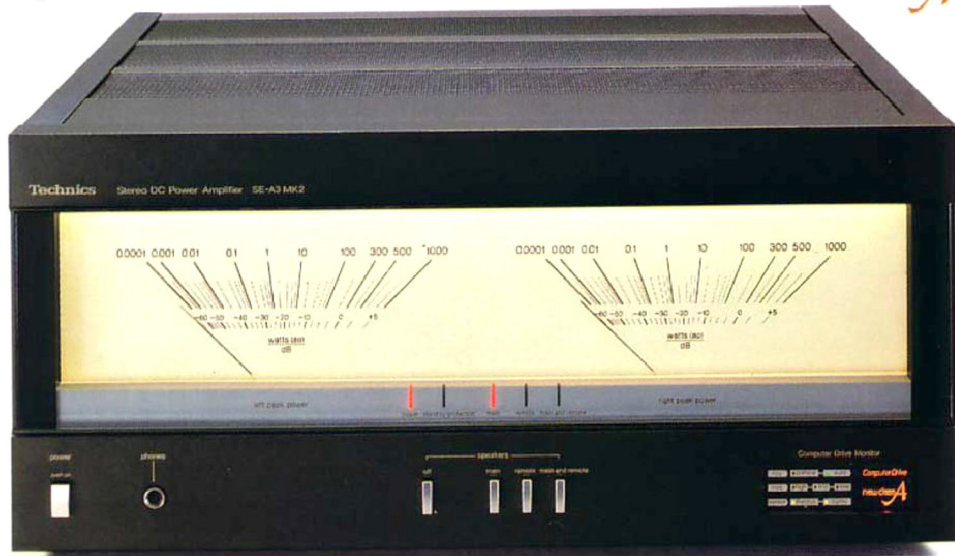


Computer Drive
new class A

SE-A3MK2

COMPUTER DRIVE NEW CLASS A STEREO POWER AMPLIFIER

- 300 watts per channel at 8 ohms, 20Hz—20kHz with 0.002% THD.
- Straight DC construction.
- Extra-large low-noise transformer and pair of 22,000μF capacitors for stable power supply.
- Large, fast peak power meters.



SU-A4MK2

STEREO CONTROL AMPLIFIER

- Built-in amorphous MC step-up transformer for extended linear response.
- Full matching phono equalizer for all types of cartridges.
- All Class A circuit with ICL ultra-low noise FET input.
- Phono S/N ratio 79dB for MM (2.5mV input), 74dB for MC (250μV input).
- Shelving type Super Bass and Super Treble controls in addition to regular bass and treble controls.



SE-A5MK2

COMPUTER DRIVE NEW CLASS A STEREO POWER AMPLIFIER

- Power Linear Circuit for low distortion and linear amplifier performance with virtually any speaker system.
- 150 watts per channel at 8 ohms, 20Hz—20kHz with 0.002% THD.
- Straight DC construction.
- Large transformer and capacitors for stable power supply.
- Computer protection circuitry.

Computer Drive
new class A



SU-A6MK2

STEREO DC CONTROL AMPLIFIER

- 8 audio/3 visual source inputs including simultaneous audio and video signal switching.
- ICL phono equalizer for optimum MC and MM cartridge performance.
- Phono S/N ratio 80dB for MM (2.5mV input), 77dB for MC (250μV input).
- Shelving type Super Bass and Super Treble controls in addition to regular bass and treble controls.
- Newly-developed wide dynamic range volume control.

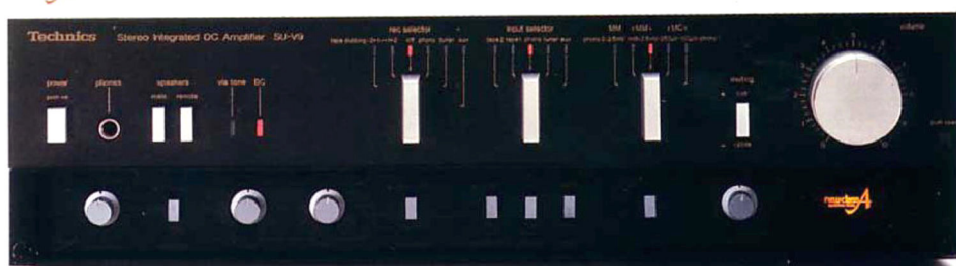


SU-V9

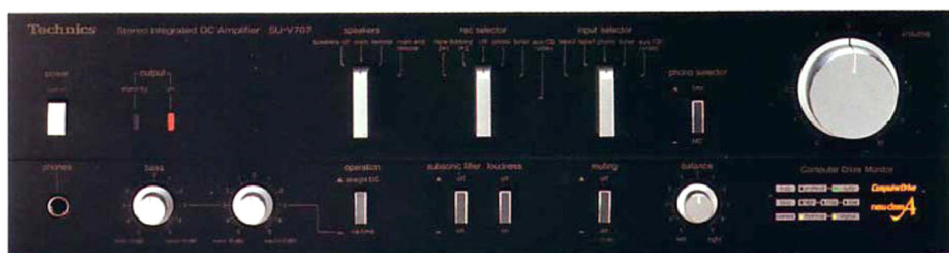
NEW CLASS A STEREO INTEGRATED AMPLIFIER

- New Class A circuitry combines Class A fidelity with Class B efficiency.
- 120 watts per channel at 8 ohms, 20Hz—20kHz with 0.003% THD.
- Concentrated power block minimizes electromagnetically induced distortion.
- Straight DC construction.
- ICL phono equalizer for optimum MC and MM cartridge performance.
- Phono S/N ratio 88dB for MM (2.5mV input), 71dB for MC (250μV input).
- Super Bass tone control.

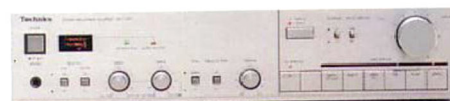
newclass4



Computer Drive
newclass4



Computer Drive
newclass4



SU-V4X silver

Computer Drive
newclass4



SU-V2X silver

SU-V707

COMPUTER DRIVE NEW CLASS A STEREO INTEGRATED AMPLIFIER

- Computer Drive prevents transient crossover distortion caused by temperature changes in transistors.
- 90 watts per channel at 8 ohms, 20Hz—20kHz with 0.003% THD.
- Straight DC construction.
- Low noise, dual-FET phono equalizer for optimum MC and MM cartridge performance.
- Phono S/N ratio 88dB for MM (2.5mV input), 72dB for MC (250μV input).

SU-V4X

COMPUTER DRIVE NEW CLASS A STEREO INTEGRATED AMPLIFIER

- Power Linear Circuit for low distortion and linear amplifier performance with virtually any speaker system.
- 65 watts per channel at 8 ohms, 20Hz—20kHz with 0.004% THD.
- Phono S/N ratio 86dB for MM (2.5mV input), 68dB for MC (250μV input).

SU-V2X

COMPUTER DRIVE NEW CLASS A STEREO INTEGRATED AMPLIFIER

- Power Linear Circuit for low distortion and linear amplifier performance with virtually any speaker system.
- 45 watts per channel at 8 ohms, 20Hz—20kHz with 0.005% THD.
- Phono S/N ratio 83dB (2.5mV input), CD/aux/tuner S/N ratio 102dB.

EQUALIZER

Graphic Equalizer

SH-8065

STEREO GRAPHIC EQUALIZER

- 33-band, $\pm 12\text{dB}/\pm 3\text{dB}$ equalization for each channel.
- High S/N, low-noise semiconductor inductor circuitry.
- Reversible frequency response with characteristics switch.
- Parallel L/R channel alignment for easy comparison.
- Equalizer on/off and tape monitor switches.



SH-8044

STEREO GRAPHIC EQUALIZER

- Built-in real-time spectrum analyzer with FL display.
- 7-band, $\pm 12\text{dB}$ equalization for each channel.
- Low-noise, low-distortion IC operation amp.
- Equalizer on/off switch.



SH-8045

STEREO GRAPHIC EQUALIZER

- 12-band, $\pm 12\text{dB}/\pm 3\text{dB}$ equalization for each channel.
- Low-noise, low-distortion semiconductor filter circuit.
- Equalizer on/off and tape monitor switches.



SH-8045 black

SH-Z200

STEREO GRAPHIC EQUALIZER

- 7-band, $\pm 12\text{dB}$ equalization for each channel.
- LED illuminated sliding knob.
- Low-noise, low-distortion electronic filter circuit.
- Equalizer on/off switch.



SH-E4

STEREO GRAPHIC EQUALIZER (315 Series)

- 12-band, $\pm 12\text{dB}$ equalization.
- Equalizer on/off switch.
- Direct Connector for easy set-up.

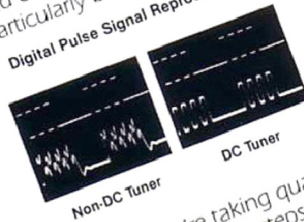


TUNER & RECEIVER

Putting Music in Tune with Quartz Precision

Technics designed the world's first DC FM tuner to improve phase response and low bass reproduction. Combining this construction with a quartz synthesizer eliminated drift. But the key to our DC operation is an original MPX circuit that employs digital technology to bring about a dramatic improvement of distortion and channel separation, particularly below 100Hz.

Digital Pulse Signal Reproduction

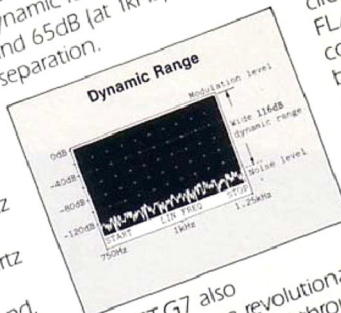


Non-DC Tuner

DC Tuner

In 1984, we're taking quartz DC operation two steps further—to the triple quartz control exhibited in our ST-G7 tuner. The front end, IF stage, and MPX circuitry are each controlled by a separate quartz crystal. Stable performance, minimal noise interference, and long-term reliability are the result.

Specs include 116dB dynamic range (at 1kHz) and 65dB (at 1kHz) stereo separation.



The ST-G7 also incorporates a revolutionary new Technics breakthrough: the world's first integration of digital and analog

circuitry. An original 64-pin FLAT LSI microcomputer controls tuning and signal to bring out the best in both types of circuitry for superior basic performance and operational stability.



ST-G7

QUARTZ SYNTHESIZER FM STEREO/AM TUNER

- All DC circuitry and triple quartz control for wide frequency response of 4Hz—18kHz (+0.2dB, -0.5dB) and 116dB dynamic range.
- Quartz controlled double PLL DC peak sampling and hold MPX for 65dB stereo separation (1kHz).
- Automatic IF bandwidth selection.
- 16-station random access preset memory.
- Variable auto-scan stop level (off/30dB-40dB-50dB).

Computer
Quartz DC



ST-S707

QUARTZ SYNTHESIZER
FM STEREO/AM TUNER

- All DC circuitry and quartz control for wide frequency response of 5Hz—18kHz (+0.2dB, -0.5dB).
- Computer-controlled automatic IF bandwidth and FM RF bandwidth selection.
- 16-station random access preset memory.
- 2-colour multi-function FL display (frequency/channel number/signal strength/scan-stop level).
- Recording level check button.

ST-G5L

QUARTZ SYNTHESIZER
FM STEREO/MW/LW TUNER

- All DC circuitry and quartz control for wide frequency response of 5Hz—18kHz (+0.2dB, -0.5dB).
- Computer-controlled automatic IF bandwidth selection.
- 16-station random access preset memory.
- 3 function FL display (frequency/channel number/signal strength).

ST-Z400L

QUARTZ SYNTHESIZER
FM STEREO/MW/LW TUNER

- Quartz DC digital tuning system for tuning accuracy and convenience.
- 8 FM and 8 AM station presets and auto-scan tuning.
- 19kHz pilot signal cancel circuit for extended high range frequency response (5Hz—18kHz, +0.5dB, -1.5dB).
- Large, easy-to-read LCD display.

SA-250L

QUARTZ SYNTHESIZER
FM/MW/LW STEREO
RECEIVER

- 37 watts per channel at 8 ohms, 1kHz.
- 7 FM and 7 AM station presets and auto-scan tuning.
- Signal processing display.
- Soft-touch switches and slide controls for convenient operation.

SA-150L

QUARTZ SYNTHESIZER
FM/MW/LW RECEIVER

- 27 watts per channel at 8 ohms, 1kHz.
- 7 FM and 7 AM station presets.
- Signal processing display.
- Soft-touch switches and slide controls for convenient operation.



ST-G5L black



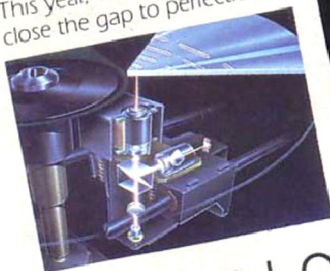
ST-Z400L black



DIGITAL AUDIO

Technics Digital Audio: As Close as Music Can Get to Perfection...and Getting Closer

Digital audio—on disc or tape—has revolutionized music, and the technology in Technics components is revolutionizing digital audio. This year, we continue to close the gap to perfection.



The SL-P50P is a professional model that offers three modes of cueing: numeric key pad—for entering time,

index, or frame digits—search dial, and automatic search function. For a simple yet versatile approach, there is the compact SL-P7. Find out how much you can do with only six control keys. Specs for both models include dynamic range of more than 96dB, and absolutely no wow & flutter.

Making High-Quality Discs to Make the Most of CD Reproduction



Any music reproduction system is only as good as its source. CD players are no exception. To ensure the availability of the kind

of high-quality digital music that brings out the best in our CD players, Technics manufactures compact discs for a wide variety of recording companies. Besides a wide range of pop, classical, jazz, etc. discs, we even make a CD Test Disc with an accuracy of 99.999999%.

SL-P50P

PROFESSIONAL COMPACT DISC PLAYER

- All original Technics components, including optical deck, laser pickup system, and IC-controlled focus and tracking servo systems. 16-bit D/A converter for each stereo channel.
- Three cueing modes: numeric key pad (for cueing by minutes and seconds or frame number), search dial, and automatic search function.
- LED display shows track, index, and elapsed time.
- VU meters show actual disc signal level.
- Full information LED and FL Bar Graph displays.

SL-P7

COMPACT DISC PLAYER

- Simple key operation for many convenient functions including bi-directional 2-speed search with cueing sounds and 2-directional music-skip.
- Index search and skip for indexed CD.
- Multi-function FL display.



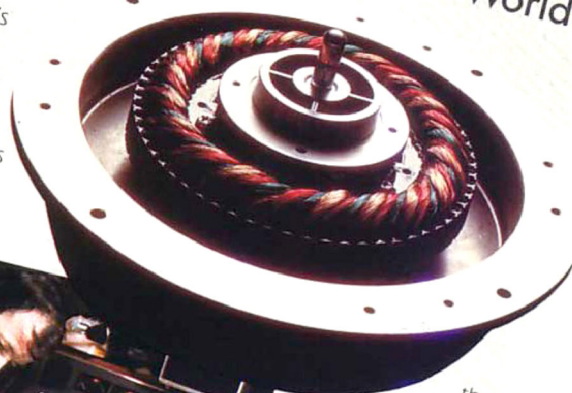
COMPACT
disc
DIGITAL AUDIO

COMPACT
disc
DIGITAL AUDIO

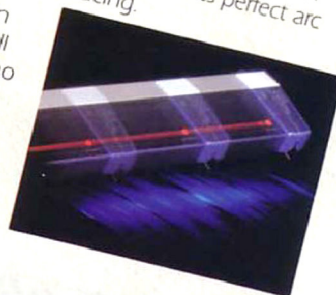
T U R N T A B L E

Turntables That Spin Around the World

When we introduced the first direct-drive turntable in 1969, we set the audio world on its ear—and it's been listening ever since. Today, over 5,000 leading broadcasting stations worldwide use Technics turntables, and the reason is the same now as it was 15 years ago: precision and reliability.



the stylus in a straight line, following exactly the same path in which the record grooves were originally cut. An optical angle monitoring system located near the stylus constantly supplies information to a microprocessor for instantaneous error correction (to ± 0.1 degree of arc). Our linear-tracking arm's unique suspension system permits perfect arc tracing.



Much of the credit for this performance goes to our renowned direct-drive motor. Consuming just one-tenth the power of an ordinary AC motor, our DC direct-drive motor spins the platter directly without the use of belts. Speed is continuously synchronized with quartz crystal oscillation to provide "quartz-synthesizer" accuracy. Technics. The first name in direct-drive turntables is still the best—for everyone who enjoys true high fidelity. Another reason why Technics turntables are in such demand is linear tracking—the movement of

SL-1000MK2

TURNTABLE SYSTEM

Turntable system consisting of SP-10MK2 quartz direct-drive turntable, EPA-100 universal tonearm and SH-10B3 turntable base.

SP-10MK2

QUARTZ DIRECT-DRIVE

TURNTABLE

- Quartz-controlled direct-drive system for extremely constant, drift-free speed.
- Speed accuracy within $\pm 0.002\%$.
- 0.25sec to rated $33\frac{1}{3}$ rpm.
- Switching from one speed to another, including 78 rpm, almost instant.

EPA-100

UNIVERSAL TONEARM

- Titanium-nitride arm.
- Built-in variable dynamic damping device.
- Gimbal suspension system with 20 ruby ball bearings.
- Aluminium diecast headshell and low-capacitance phono cable supplied.

SH-10B3

TURNTABLE BASE

- Heavy obsidian stone/rubber/rosewood veneer 3 layered construction.
- Vibration absorbent legs.



SL-1200MK2

QUARTZ DIRECT-DRIVE TURNTABLE

- Quartz-controlled direct-drive system with integral rotor-platter.
- Aluminium diecast cabinet and special heavy rubber base plus vibration-damped platter for virtually feedback-proof acoustic isolation.
- $\pm 8\%$ quartz-locked pitch control.
- High-sensitivity, low-mass gimbal suspension tonearm with helicoid arm height adjustment.



SL-QX200

QUARTZ DIRECT-DRIVE SEMI-AUTOMATIC TURNTABLE

- Quartz-controlled direct-drive system with integral rotor-platter for superb rotational accuracy.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **TAD** plug-in connector cartridge system.
- Aluminium diecast base with double isolated suspension for feedback resistance.
- Semi-automatic tonearm with auto-return and shut-off.
- EPC-P33 MM cartridge supplied.



SL-D210

DIRECT-DRIVE SEMI-AUTOMATIC TURNTABLE

- Direct-drive system with integral rotor-platter and full-cycle-detection FG servo.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **TAD** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P27S MM cartridge supplied.



SL-D210 black

SL-B200

FG SERVO BELT-DRIVE SEMI-AUTOMATIC TURNTABLE

- Sophisticated belt-drive system with FG servo DC motor.
- Low-mass straight tonearm with sensitive 4-point gimbal suspension and **TAD** plug-in connector cartridge system.
- Semi-automatic tonearm with auto-return and shut-off.
- Anti-resonant TNRC base.
- EPC-P27S MM cartridge supplied.



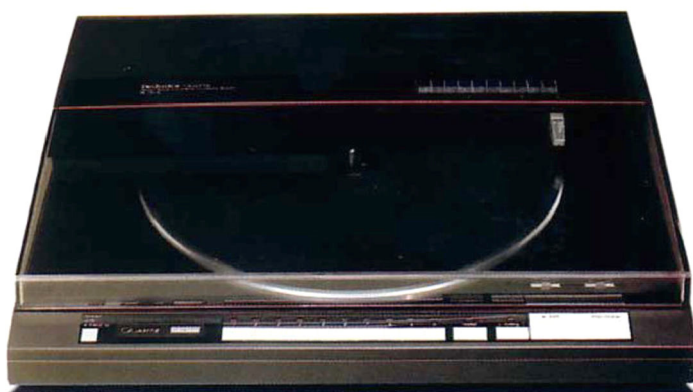
SL-QL15

QUARTZ DIRECT-DRIVE

FULLY AUTOMATIC

TURNTABLE

- 10-band random access programming.
- Quartz-controlled direct-drive system with integral rotor-platter for superb rotational accuracy.
- Microcomputer-controlled operation including automatic record-size and speed selections.
- Linear tracking dynamic balance tonearm and **TAD** plug-in connector cartridge system.



SL-QL5

QUARTZ DIRECT-DRIVE

FULLY AUTOMATIC

TURNTABLE

- Quartz-controlled direct-drive system with integral rotor-platter for superb rotational accuracy.
- Linear tracking dynamic balance tonearm and **TAD** plug-in connector cartridge system.
- Microcomputer-controlled operation including automatic record-size and speed selections.



SL-J2

DIRECT-DRIVE FULLY

AUTOMATIC TURNTABLE

- LP jacket size direct-drive turntable with integral rotor-platter.
- Microcomputer-controlled operation including automatic record-size and speed selections.
- All front panel control including bidirectional skip/search function with Music Select indicator.
- Linear tracking dynamic balance tonearm and **TAP** plug-in connector cartridge system.

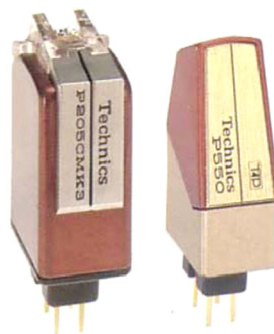
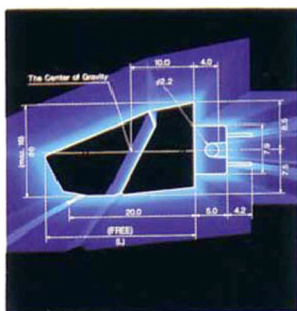


CARTRIDGE

Plug-in Connector Cartridge—Now an International Standard

To meet the strict requirements of linear tracking, a sophisticated cartridge had to be developed—one whose weight, position, point-of-gravity, and compliance would not be effected even when replaced by the novice. The answer? A cartridge that plugs

directly into the tonearm without wires. We call it **T4P**, and the design has already been standardized by over 30 major cartridge and audio manufacturers.



EPC-P205CMK3

EPC-P550

EPC-P205CMK3

STEREO MM CARTRIDGE

- Pure boron pipe cantilever for 0.149mg effective moving mass.

- "HPF" core magnetic circuit for flat frequency response 5Hz—80kHz, 20Hz—15kHz ($\pm 0.5\text{dB}$).
- TTDD damper for constant high performance independent of temperature changes.

EPC-P550

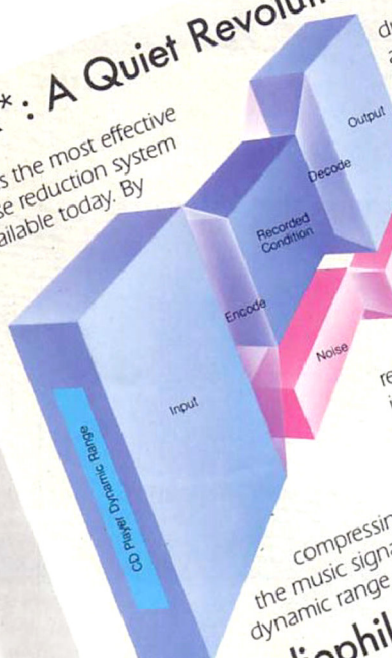
STEREO MM CARTRIDGE

- Pure boron pipe cantilever for 0.29mg effective moving mass.
- All laminated core magnetic circuit for flat frequency response 10Hz—55kHz, 20Hz—10kHz (± 1 dB).

CASSETTE DECK

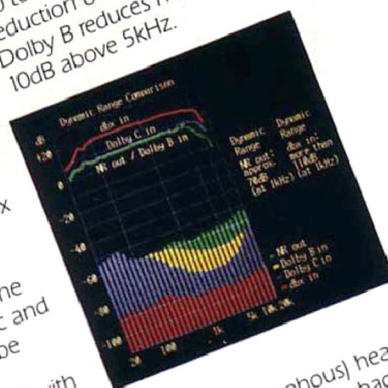
dbx*: A Quiet Revolution in Dynamic Range

dbx is the most effective noise reduction system available today. By



during recording, and then expanding it to original width at playback, noise is reduced by at least 30dB throughout the entire audio spectrum, virtually eliminating tape hiss. But perhaps the most revolutionary benefit of dbx is its ability to allow recording of a 110dB dynamic range. Thus, the full range of digital disc and tape recordings may be captured and a live performance recorded with

superb realism. Some Technics decks also feature Dolby** B and C to ensure compatibility with all sources. Dolby C provides up to about 20dB of noise reduction over 1kHz, while Dolby B reduces noise by 10dB above 5kHz.



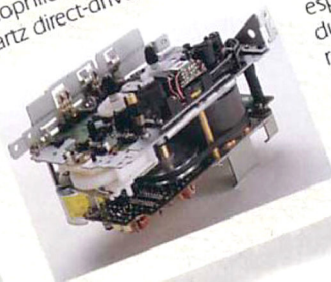
The Audiophile Cassette Deck

Our top-of-line cassette recorder for 1984 is the RS-B100, a deck that brings together every feature even the most demanding audiophile could desire. A quartz direct-drive, closed-

loop, double-capstan tape-transport mechanism keeps wow & flutter down to only 0.022% WRMS. Our original Phase Compensation circuitry rectifies high-range phase linearity to reduce distortion—a feature especially critical to tape duplication. Three noise-reduction systems—dbx and Dolby B and C—keep sound clean and dynamic range wide. A three-head system includes two extra-

hard AX (amorphous) heads for recording and playback. AX heads have seven times the abrasion resistance of permalloy and can reproduce a frequency response of 15Hz—25kHz (metal). Linear Feedback circuitry virtually cancels out harmonic distortion. All operations are microprocessor-coordinated and controlled.

* dbx is a registered trademark of dbx Inc.
** "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



RS-B100

QUARTZ DIRECT-DRIVE
3-HEAD CASSETTE DECK
WITH DBX AND DOLBY
B-C NR

- AX (amorphous) combination recording/playback head.
- Digital tape counter and remaining time display.
- Wide-range 3-colour FL meters.
- Fine bias adjustment.
- Music select.
- Auto tape select and input select.
- Separate recording level calibration.

RP-9645

Remote control unit for RS-B100, M253X and M245X.



RP-9645

dbx



RS-M253X

3-HEAD CASSETTE DECK
WITH DBX AND DOLBY
B-C NR

- AX (amorphous) combination recording/playback head.
- 2-motor drive and microprocessor feather-touch control.
- Wide-range 3-colour FL meters with peak-hold.
- Multi-function electronic counter.

RS-M245X

CASSETTE DECK WITH DBX
AND DOLBY B-C NR

- 2-motor drive and microprocessor feather-touch control.
- AX (amorphous) recording/playback head.
- Wide-range 3-colour FL meters with peak-hold.
- Multi-function electronic counter.

RS-B48R

AUTO-REVERSE CASSETTE
DECK WITH DBX AND DOLBY
B-C NR

- Quick auto-reverse recording and playback with MX Thrust-Hold Rotary Head.
- 2-motor drive and microprocessor feather-touch controls.
- FL meters with peak-hold.
- Slider input level and balance controls.

RS-B11W

DOUBLE CASSETTE DECK

- High speed operation.
- Synchro-start recording; just press the rec button on the TAPE 2.
- Soft-touch controls.
- Slide input level control.
- Auto tape select.

RS-B40

CASSETTE DECK WITH DBX
AND DOLBY B-C NR

- 2-motor drive and microprocessor feather-touch controls.
- 12-segment FL meters.
- Metal-compatible MX recording/playback head.

RS-B13

CASSETTE DECK WITH
DOLBY B-C NR

- Soft-touch controls and one touch recording.
- 2-colour LED level meters.
- Metal compatible MX recording/playback head.
- Large slide input level and balance controls.

dbx



RS-M253X

dbx



RS-M245X

dbx AUTO REVERSE



RS-B48R

1 2 DOUBLE CASSETTE



RS-B11W

dbx

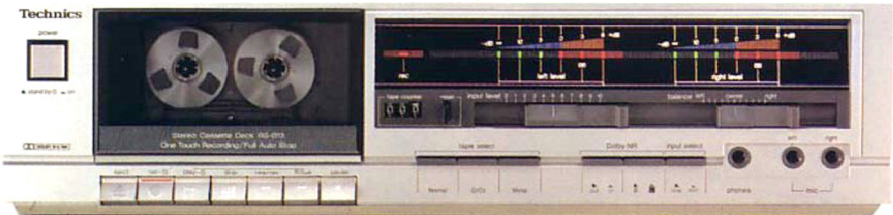


RS-B40



RS-B40 black

Technics



RS-B13



RS-B13 black

S P E A K E R

The Sweetest Sounds Come from Honeycomb Speakers

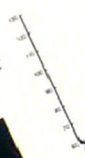
One of the most remarkable Technics innovations is the honeycomb disc speaker. The flat, axially symmetrical structure of our honeycomb

allows us to correct two nagging deficiencies of conventional cone speakers: distortion from the breakdown of true pistonic motion, and the "cavity effect," which causes peaks and dips in the frequency response curve. By driving our disc at its circular

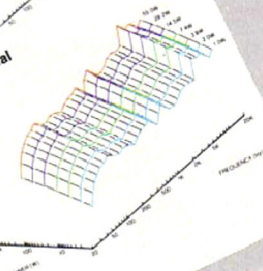
pistonic motion is greatly enlarged. Since the disc is flat, there is no cavity effect; what's more it permits a straight alignment of the acoustical centres of the drivers, for phase linearity without a staggered configuration. What you do get is smooth frequency response and effortless handling of the wide dynamic range offered by today's digital music systems.

3D Analysis

Technics



Conventional



vibration node, the frequency range for truly



SB-R100

COAXIAL HONEYCOMB DISC SPEAKER SYSTEM

- Coaxial mechanical 3-way honeycomb speaker with 25cm passive radiator.
- LP jacket size, computer designed rigid diecast zinc cabinet.
- Frequency response 55Hz—30kHz (—16dB).
- Input power 50W (DIN).
- Wall mounting kit and 70 degree floor/desk stand.



SB-M2

HONEYCOMB DISC 3-WAY SPEAKER SYSTEM

- Studio monitor design and ideal for digital audio.
- 38cm woofer, 8cm mid-range and 2.8cm tweeter, all Honeycomb Disc Drivers.
- High power handling capacity (130W, DIN) and high efficiency (92dB/W, 1m).
- Frequency response 27Hz—38kHz (—16dB).
- Thermal relay tweeter protection.



SB-M2



SB-X700

SB-X700

HONEYCOMB DISC 3-WAY SPEAKER SYSTEM

- 30cm woofer, 8cm mid-range and 2.8cm tweeter, all Honeycomb Disc Drivers.
- Frequency response 30Hz—33kHz (—16dB).
- Input power 90W (DIN).
- Thermal relay protection.

SB-X500/X300

HONEYCOMB DISC 3-WAY SPEAKER SYSTEMS

- 25cm woofer (22cm on the X300), 8cm mid-range (5.2cm, X300) and 2.8cm tweeter all Honeycomb Disc Drivers.
- Frequency response 33Hz—33kHz (38Hz—33kHz, X300) at —16dB.
- Input power 65W (55W, X300), DIN.



SB-X500



SB-X300

SB-X210/X110

HONEYCOMB DISC 3-WAY/2-WAY SPEAKER SYSTEMS

- 22cm woofer (18cm on the X110) and 2.8cm tweeter, plus 5.2cm mid-range (X210 only), all Honeycomb Disc Drivers.
- Frequency response 35Hz—28kHz (36Hz—28kHz, X110) at —16dB.
- Input power 60W (50W, X110), DIN.
- Thermal relay protection.



SB-X210



SB-X110

SB-F2MK2/ F1MK2

COMPACT HONEYCOMB DISC 2-WAY SPEAKER SYSTEMS

- 14cm woofer (12cm on the F1MK2) and 2.8cm tweeter, all Honeycomb Disc Drivers.
- Elliptical profile baffle to prevent diffraction effects.
- Input power 100W (80W, F1MK2), DIN.



SB-F2MK2



SB-F1MK2

SPECIFICATIONS

HiFi System

		315 Series					Z-Series				
		TYPE 55A	TYPE 45A	TYPE 35A	TYPE 25A	TYPE 15	System Z400	System Z300	System Z200	System Z100	System 120
AMPLIFIER		SU-8	SU-6	SU-5A	SU-4	SA-K2L	SU-Z400	SU-Z200	SU-Z200	SU-Z100	SA-120L
Continuous Power (DIN, 8Ω)		2 x 75W	2 x 40W	2 x 30W	2 x 20W	2 x 20W	2 x 60W	2 x 35W	←	2 x 20W	2 x 35W
THD (1kHz, 8Ω)		0.02%	0.02%	0.8%	0.8%	0.8%	0.007%	0.8%	←	0.8%	0.07%*2
S/N Ratio (IHF A) PHONO		81dB	72dB	72dB	72dB	72dB	81dB	72dB	←	71dB	71dB
TUNER/CD/VIDEO/AUX/TAPE		98dB	98dB	95dB	97dB	84dB	97dB	95dB	←	96dB	95dB
Frequency Response PHONO (30Hz—15kHz)		RIAA ±0.8dB	RIAA ±0.8dB	RIAA ±0.8dB	RIAA ±0.8dB	RIAA ±1dB	RIAA ±0.8dB	RIAA ±0.8dB	←	RIAA ±0.8dB	RIAA ±0.8dB
TUNER/CD/VIDEO/AUX/TAPE (—3dB)		10Hz—120kHz	10Hz—80kHz	10Hz—60kHz	10Hz—60kHz	10Hz—45kHz	10Hz—80kHz	10Hz—70kHz	←	10Hz—70kHz	5Hz—70kHz
Extra Features		Computer Drive New Class A Double Direct connector Super Bass switch	Double Direct connector Super Bass switch	Direct connector Super Bass switch	Direct connector Super Bass switch	Subsonic Filter	New Class A 2 tape monitors Speaker selector	Tape monitor	←	Tape monitor	Tape monitor
TUNER		ST-8L	ST-8L	ST-8L	ST-4L	SA-K2L	ST-Z400L	ST-Z400L	ST-Z400L	ST-Z200L	SA-120L
Frequency Bands		FM/MW/LW	←	←	FM/MW/LW	FM/MW/LW	FM/MW/LW	←	←	FM/MW/LW	FM/MW/LW
FM Sensitivity (S/N 26dB, 75Ω)		0.9μV	←	←	0.9μV	0.9μV	0.9μV	←	←	0.9μV	1.2μV
FM Selectivity (±400kHz)		65dB	←	←	65dB	60dB	60dB	←	←	65dB	60dB
FM THD (mono, stereo)		0.08%, 0.15%	←	←	0.15%, 0.3%	0.2%, 0.4%	0.15%, 0.3%	←	←	0.15%, 0.3%	0.15%, 0.3%
FM S/N (mono, IHF)		78dB	←	←	78dB	75dB	75dB	←	←	78dB	76dB
Extra Features		Quartz synthesizer tuning 16 station random- access presets	←	←	←	←	Quartz synthesizer tuning 8 FM/8 AM presets	←	←	Gyro-touch tuning knob	←
CASSETTE DECK		RS-8R	RS-8R	RS-1W	RS-4	SA-K2L	RS-B11W	RS-B40	RS-D200	RS-D200	RS-B10
Noise Reduction		dbx, Dolby B	←	Dolby B	Dolby B	Dolby B	Dolby B	dbx, Dolby B, C	Dolby B	←	Dolby B
Wow & Flutter (WRMS)		0.05%	←	0.048%	0.05%	0.05%	0.07%	0.045%	0.07%	←	0.07%
Frequency Response	METAL	20Hz—17kHz	←	20Hz—19kHz	20Hz—17kHz	20Hz—18kHz	20Hz—18kHz	20Hz—19kHz	20Hz—17kHz	←	20Hz—17kHz
	CrO ₂	20Hz—17kHz	←	20Hz—18kHz	20Hz—16kHz	20Hz—17kHz	20Hz—17kHz	20Hz—18kHz	20Hz—16kHz	←	20Hz—16kHz
	NORMAL	20Hz—16kHz	←	20Hz—17kHz	20Hz—15kHz	20Hz—16kHz	20Hz—16kHz	20Hz—17kHz	20Hz—15kHz	←	20Hz—15kHz
S/N Ratio		92dB (dbx in)	←	67dB (Dolby B in)	67dB (Dolby B in)	65dB (Dolby B in)	67dB (Dolby B in)	92dB (dbx in)	66dB (Dolby B in)	←	66dB (Dolby B in)
Tape Transport Controls		Microprocessor feather-touch	←	Soft-touch	Soft-touch	Soft-touch	Soft-touch	Microprocessor feather-touch	Soft-touch	←	Soft-touch
Auto Tape Select		Yes	←	Yes	←	←	Yes	←	←	←	←
Extra Features		Auto-reverse Music repeat Blank skip Music select Synchro rec (phono/CD)	←	Double cassette Music select Synchro rec (phono)	Auto rec level	Auto rec level	Double cassette	←	←	←	←
TURNTABLE		SL-J3	SL-J2	SL-J1	SL-J1	SL-JS1	SL-D210	SL-B210	SL-B210	SL-B210	SL-B210
Operation		Full-auto	Full-auto	Full-auto	←	Full-auto	Semi-auto	Semi-auto	←	←	←
Drive System		Quartz direct	Quartz direct	Belt	←	Belt	Direct	Belt	←	←	←
Wow & Flutter (WRMS)		0.025%	0.025%	0.045%	←	0.045%	0.025%	0.045%	←	←	←
Rumble (DIN B)		— 78dB	— 78dB	— 70dB	←	— 70dB	— 78dB	— 70dB	←	←	←
Plug-in Connector System		Yes	Yes	Yes	←	Yes	Yes	Yes	←	←	←
Cartridge Frequency Response		10Hz—50kHz	10Hz—40kHz	10Hz—35kHz	←	10Hz—35kHz	10Hz—35kHz	10Hz—30kHz	←	←	←
Extra Features		Linear tracking Random- access programming Music select	Linear tracking Music select	Linear tracking Auto record- size select Auto speed select	←	Auto record- size select	All front panel control	All front panel control	←	←	←
SPEAKER SYSTEM		SB-X100	SB-F66	SB-F44	SB-F44	SB-F44	SB-3450	SB-3430	SB-3410	SB-3410	SB-3410
Speaker Unit	WOOFER	18cm honeycomb disc	16cm cone	16cm cone	←	←	25cm cone	20cm cone	20cm cone	←	←
	MIDRANGE	5.2cm honeycomb disc	6.5cm cone	←	←	←	←	←	←	←	←
	TWEETER	2.8cm honeycomb disc	Horn-type	Horn-type	←	←	5.5cm cone	5.5cm cone	5.5cm cone	←	←
	SUPER TWEETER	←	←	←	←	←	Horn-type	Horn-type	←	←	←
Linear Phase Configuration		Yes	Yes	Yes	←	←	←	←	←	←	←
Frequency Response (—16dB)		47Hz—35kHz	55Hz—28kHz	70Hz—25kHz	←	←	46Hz—30kHz	48Hz—30kHz	50Hz—25kHz	←	←
Output Level (1.0m)		90dB/W	90dB/W	90dB/W	←	←	90dB/W	90dB/W	93dB/W	←	←
GRAPHIC EQUALIZER (Option)		SH-E4	SH-E4	SH-E4	←	←	SH-8044	←	SH-Z200	←	←
THD (1kHz)		0.003%	←	←	←	←	0.003%	←	0.003%	←	←
S/N Ratio (IHF A)		100dB	←	←	←	←	110dB	←	110dB	←	←
Band Level Controls		±12dB 12 elements	←	←	←	←	±12dB 7 elements/ch.	←	±12dB 7 elements/ch.	←	←
Centre Frequencies		25, 40, 63, 100, 160, 250, 500, 1k, 2k, 4k, 8k, 16kHz	←	←	←	←	63, 160, 400, 1k, 2.5k, 6.3k, 16kHz	←	63, 160, 400, 1k, 2.5k, 6.3k, 16kHz	←	←
DIMENSIONS	CENTRE	W	315mm	315mm	315mm	315mm	470mm	←	470mm	←	←
		H	386mm*1	386mm*1	263mm*1	306mm	1,000mm	←	875mm	←	←
		D	315mm	315mm	315mm	315mm	437mm	←	410mm	←	←
		W	223mm	200mm	184mm	←	292mm	261mm	261mm	←	←
	SPEAKER	H	372mm	326mm	294mm	←	555mm	515mm	488mm	←	←
		D	207mm	193mm	193mm	←	221mm	221mm	221mm	←	←
		W	223mm	200mm	184mm	←	292mm	261mm	261mm	←	←
		H	372mm	326mm	294mm	←	555mm	515mm	488mm	←	←

*1 including optional Grapic Equalizer

*2 half power

Direct Connector

Components having the Direct Connector symbol have flip-up plugs that allow direct connections when units are stacked in the correct sequence. No audio cables are necessary, so connection is fast and there is little chance of mistakes. All conventional rear-panel jacks and terminals are also provided to allow alternative combinations. Turntables are connected in the normal manner.

Direct Operation

Technics developed this new system to simplify operation of your 315 Series component system. Direct Operation means that you can directly operate any source without having to select it first on the amplifier. Or you can begin listening to any source by simply pressing a button on the amplifier alone. Either way, Direct Operation reduces source selection time.

Power Amplifier

	SE-A3MK2	SE-A5MK2
Continuous Power (both ch. driven) 20Hz—20kHz	2 x 300W (4Ω) 2 x 300W (8Ω)	2 x 150W (4Ω) 2 x 150W (8Ω)
1kHz	2 x 320W (4Ω) 2 x 320W (8Ω)	2 x 150W (4Ω) 2 x 150W (8Ω)
Total Harmonic Distortion (rated power, 20Hz—20kHz)	0.003% (4Ω) 0.002% (8Ω)	0.002% (4Ω) 0.002% (8Ω)
Power Bandwidth (both ch. driven, -3dB, 0.01% THD)	5Hz—70kHz (4Ω) 5Hz—90kHz (8Ω)	5Hz—100kHz (8Ω)
Input Sensitivity & Impedance	1V/47kΩ	90mV (1V, IHF '66)/47kΩ
Frequency Response	DC—200kHz (-3dB) +0, -0.1dB (20Hz—20kHz)	DC—150kHz (-3dB) +0, -0.1dB (DC—20kHz)
S/N Ratio	120dB (125dB, IHF A)	102dB (IHF A) 121dB (IHF '66)
Power Consumption	1700W	720W/900VA
Power Supply (AC 50/60Hz)	110/120/220/240V	240V
Dimensions (W x H x D)	430 x 208 x 507mm	430 x 178 x 416mm
Weight	39 kg	18.4 kg

Control Amplifier

	SU-A4MK2	SU-A6MK2
Input Sensitivity & Impedance PHONO MC MM	70μV/30Ω, 250μV/470Ω 1mV/47kΩ, 2.5mV/47kΩ	25μV (100μV, IHF '66)/220Ω 0.63mV (2.5mV, IHF '66)/47kΩ
TUNER/CD/VIDEO/AUX/TAPE	150mV/47kΩ	36mV (150mV, IHF '66)/47kΩ
Total Harmonic Distortion (20Hz—20kHz, at vol. max.) PHONO MC MM	0.001% (2V output) 0.001% (2V output)	0.003% (3V output) 0.002% (3V output)
TUNER/CD/VIDEO/AUX/TAPE	0.001% (2V output)	0.002% (3V output)
Frequency Response PHONO MM	RIAA ±0.2dB (20Hz—100kHz) RIAA ±0.15dB (20Hz—20kHz)	RIAA ±0.5dB (20Hz—100kHz) RIAA ±0.2dB (20Hz—20kHz)
TUNER/CD/VIDEO/AUX/TAPE	DC—200kHz (-3dB) +0, -0.1dB (DC—20kHz)	0.5Hz—200kHz (-3dB) +0, -0.1dB (20Hz—20kHz)
S/N Ratio PHONO MC MM	74dB (82dB, IHF '66) 79dB (92dB, IHF '66)	77dB (75dB, IHF '66) 80dB (90dB, IHF '66)
TUNER/CD/VIDEO/AUX/TAPE	100dB (106dB, IHF '66)	97dB (106dB, IHF '66)
Phono Maximum Input Voltage	160mV (MM), 16mV (MC)	150mV (MM)
Power Consumption	15W	20W
Power Supply (AC 50/60Hz)	110/120/220/240V	240V
Dimensions (W x H x D)	430 x 97 x 330mm	430 x 98 x 360mm
Weight	8 kg	5.8 kg

Integrated Amplifier

	SU-V9	SU-V707	SU-V4X	SU-V2X
Continuous Power (both ch. driven) 20Hz—20kHz	2 x 120W (4Ω) 2 x 120W (8Ω)	2 x 80W (4Ω) 2 x 90W (8Ω)	2 x 65W (4Ω) 2 x 65W (8Ω)	2 x 45W (4Ω) 2 x 45W (8Ω)
1kHz	2 x 120W (4Ω) 2 x 120W (8Ω)	2 x 80W (4Ω) 2 x 90W (8Ω)	2 x 70W (4Ω) 2 x 70W (8Ω)	2 x 50W (4Ω) 2 x 50W (8Ω)
Total Harmonic Distortion (rated power, 20Hz—20kHz)	0.007% (4Ω) 0.003% (8Ω)	0.007% (4Ω) 0.003% (8Ω)	0.03% (4Ω) 0.004% (8Ω)	0.03% (4Ω) 0.005% (8Ω)
Power Bandwidth (both ch. driven, -3dB)	5Hz—70kHz (4Ω, 0.03% THD) 5Hz—70kHz (8Ω, 0.02% THD)	5Hz—70kHz (4Ω, 0.03% THD) 5Hz—70kHz (8Ω, 0.02% THD)	5Hz—50kHz (4Ω) 5Hz—60kHz (8Ω)	5Hz—40kHz (4Ω) 5Hz—50kHz (8Ω)
Input Sensitivity & Impedance PHONO MM MC	1mV/47kΩ, 2.5mV/47kΩ 100μV/100Ω, 250μV/220Ω	2.5mV/47kΩ 170μV/220Ω	2.5mV/47kΩ 170μV/220Ω	2.5mV/47kΩ
TUNER/CD/VIDEO/AUX/TAPE	150mV/33kΩ (170mV/39kΩ, TAPE-1)	150mV/18kΩ	150mV/22kΩ	150mV/22kΩ
S/N Ratio (rated power, 4Ω) PHONO MM MC	79dB (88dB, IHF A) 71dB (71dB, IHF A)	78dB (88dB, IHF A) 72dB (72dB, IHF A)	76dB (86dB, IHF A) 64dB (68dB, IHF A)	76dB (83dB, IHF A)
TUNER/CD/VIDEO/AUX/TAPE	91dB (103dB, IHF A)	93dB (104dB, IHF A)	91dB (102dB, IHF A)	91dB (102dB, IHF A)
Phono Maximum Input Voltage	170mV (MM), 17mV (MC)	210mV (MM), 15mV (MC)	160mV (MM), 12mV (MC)	160mV (MM)
Frequency Response PHONO MM	RIAA ±0.2dB (30Hz—15kHz)	RIAA ±0.5dB (30Hz—15kHz)	RIAA ±0.8dB (30Hz—15kHz)	RIAA ±0.8dB (30Hz—15kHz)
TUNER/CD/VIDEO/AUX/TAPE	0.5Hz—170kHz (-3dB) +0, -0.2dB (20Hz—20kHz)	0.7Hz—140kHz (-3dB) +0, -0.2dB (20Hz—20kHz)	5Hz—120kHz (-3dB) +0, -0.2dB (20Hz—20kHz)	5Hz—120kHz (-3dB) +0, -0.2dB (20Hz—20kHz)
Power Consumption	850W	510W	390W	295W
Power Supply (AC 50/60Hz)	110/120/220/240V	110/120/220/240V	240V	240V
Dimensions (W x H x D)	430 x 120 x 350mm	430 x 120 x 362mm	430 x 97 x 290mm	430 x 97 x 290mm
Weight	14.7 kg	10 kg	6.7 kg	6.3 kg

Tuner

	ST-G7	ST-S707	ST-G5L	ST-Z400L
FM Sensitivity (S/N 26dB)	1.0μV (75Ω)	0.85μV (75Ω)	0.85μV (75Ω)	0.9μV (75Ω)
Total Harmonic Distortion	0.01% (mono), 0.02% (stereo)	0.03% (mono), 0.04% (stereo)	0.03% (mono), 0.04% (stereo)	0.15% (mono), 0.3% (stereo)
FM S/N Ratio (mono)	116dB (dynamic range)	72dB (80dB, IHF)	70dB (78dB, IHF '58)	69dB (75dB, IHF '58)
FM Frequency Response	4Hz—18kHz (+0.2, -0.5dB)	5Hz—18kHz (+0.2, -0.5dB)	5Hz—18kHz (+0.2, -0.5dB)	5Hz—18kHz (+0.5, -1.5dB)
Alternate Channel Selectivity	55dB (normal, ±400kHz)	55dB (normal, ±400kHz)	55dB (normal, ±400kHz)	60dB (normal, ±400kHz)
FM Stereo Separation	65dB (1kHz), 50dB (10kHz)	65dB (1kHz), 50dB (10kHz)	60dB (1kHz), 45dB (10kHz)	45dB (1kHz), 30dB (10kHz)
FM Antenna Terminal	75Ω (unbalanced)	75Ω (unbalanced)	75Ω (unbalanced), 300Ω (balanced)	75Ω (unbalanced), 300Ω (balanced)
AM Frequency Range	MW 522—1629kHz (9kHz step) 530—1620kHz (10kHz step) LW —	522—1611kHz (9kHz step) 530—1620kHz (10kHz step) —	522—1611kHz (9kHz step) 530—1620kHz (10kHz step) 153—353kHz (9kHz step)	522—1611kHz (9kHz step) — 153—353kHz (9kHz step)
AM Sensitivity (S/N 20dB)	MW 20μV, 290μV/m LW —	20μV, 290μV/m —	20μV, 290μV/m 50μV	20μV, 300μV/m 100μV
AM Selectivity	MW 55dB (±9kHz) LW —	55dB (±9kHz) —	55dB (±9kHz) 55dB (at 254kHz)	55dB (±9kHz) 55dB (at 254kHz)
Power Consumption	11W	9W	9W	9W
Power Supply (AC 50/60Hz)	240V	240V	240V	240V
Dimensions (W x H x D)	430 x 97.1 x 276mm	430 x 53 x 245mm	430 x 53 x 245mm	430 x 53 x 240mm
Weight	4.1 kg	2.65 kg	2.4 kg	2.1 kg

Receiver

	SA-250L	SA-150L
Continuous Power (both ch. driven)	2 x 37W (1kHz/8Ω)	2 x 27W (1kHz, 8Ω)
Total Harmonic Distortion (half power)	0.02% (1kHz, 8Ω)	0.07% (1kHz, 8Ω)
Power Bandwidth (both ch. driven, -3dB)	10Hz—40kHz (8Ω)	10Hz—40kHz (8Ω)
Input Sensitivity & Impedance	PHONO 2.5mV/47kΩ CD/VIDEO/AUX/TAPE 150mV/18kΩ	2.5mV/47kΩ 150mV/18kΩ
Phono Maximum Input Voltage	150mV (1kHz, RMS)	150mV (1kHz, RMS)
S/N Ratio	PHONO 70dB (72dB, IHF A) CD/VIDEO/AUX/TAPE 88dB (95dB, IHF A) FM (mono) 60dB (77dB, IHF)	70dB (71dB, IHF A) 88dB (95dB, IHF A) 60dB (77dB, IHF)
Frequency Response	PHONO RIAA ±0.8dB (30Hz—15kHz) CD/VIDEO/AUX/TAPE 5Hz—70kHz (-3dB) FM 20Hz—15kHz (+1, -2dB)	RIAA ±0.8dB (30Hz—15kHz) 5Hz—70kHz (-3dB) 20Hz—15kHz (+1, -2dB)
Tuner Sensitivity	FM (S/N 26dB) 1.2μV (75Ω), 1.7μV (300Ω) MW (S/N 20dB) 20μV, 300μV/m LW (S/N 20dB) 45μV	1.2μV (75Ω), 1.7μV (300Ω) 20μV, 300μV/m 45μV
FM Alternate Channel Selectivity	65dB (±400kHz)	65dB (±400kHz)
FM Stereo Separation	40dB (1kHz), 30dB (10kHz)	40dB (1kHz), 30dB (10kHz)
FM Antenna Terminals	75Ω (unbalanced) 300Ω (balanced)	75Ω (unbalanced) 300Ω (balanced)
AM Frequency Range	MW 522—1620kHz LW 155—353kHz	522—1620kHz 155—353kHz
Power Consumption	180W	155W
Power Supply (AC 50/60Hz)	240V	240V
Dimensions (W x H x D)	430 x 97 x 243mm	430 x 97 x 243mm
Weight	5 kg	4.8 kg

Compact Disc Player

	SL-P50P	SL-P7
D/A Conversion	16-bit linear	16-bit linear
Frequency Response	20Hz—20kHz (±0.5dB)	4Hz—20kHz (±0.5dB)
Dynamic Range	96dB or more	96dB or more
S/N Ratio	96dB or more	96dB or more
Total Harmonic Distortion	0.005% or less	0.003% or less (1kHz, 0dB)
Channel Separation	90dB or more	90dB or more
Wow & Flutter	Same as quartz crystal oscillator precision	Same as quartz crystal oscillator precision
Power Consumption	85W	30W
Power Supply	110/120/220/240V	110—120/220—240V
Dimensions (W x H x D)	430 x 200 x 530mm* ¹ , 430 x 883 x 530* ²	315 x 88 x 325mm
Weight	18 kg* ¹ , 30.5 kg* ²	4.9 kg

*¹ tabletop type *² console type

Graphic Equalizer

	SH-8065	SH-8044	SH-8045	SH-Z200	SH-E4
Total Harmonic Distortion	0.0025% (20Hz—20kHz)	0.005% (20Hz—20kHz) 0.003% (1kHz)	0.005% (20Hz—20kHz) 0.003% (1kHz)	0.005% (20Hz—20kHz) 0.003% (1kHz)	0.005% (20Hz—20kHz) 0.003% (1kHz)
S/N Ratio	100dB (110dB, IHF A)	110dB (1V)	100dB (110dB, IHF A)	100dB (110dB, IHF A)	95dB (100dB, IHF A)
Frequency Response	5Hz—100kHz (-1dB)	5Hz—100kHz (-1dB)	5Hz—100kHz (-1dB)	5Hz—100kHz (-1dB)	5Hz—100kHz (-3dB)
Input Sensitivity & Impedance	1V/47kΩ	1V/33kΩ	1V/47kΩ	1V/33kΩ	1V/47kΩ
Channel Balance	±0.5dB (250Hz—6.3kHz)	±0.5dB (250Hz—6.3kHz)	±0.5dB (250Hz—6.3kHz)	±0.5dB (250Hz—6.3kHz)	±0.5dB (250Hz—6.3kHz)
Channel Separation	70dB (1kHz)	70dB (1kHz)	70dB (1kHz)	70dB (1kHz)	60dB (1kHz)
Band Level Controls	±3dB, ±12dB (33 elements/ch.)	±12dB (7 elements/ch.)	±3dB, ±12dB (12 elements/ch.)	±12dB (7 elements/ch.)	±12dB (12 elements)
Center Frequencies	16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20kHz	63, 160, 400, 1k, 2.5k, 6.3k, 16kHz	16, 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32kHz	63, 160, 400, 1k, 2.5k, 6.3k, 16kHz	25, 40, 63, 100, 160, 250, 500, 1k, 2k, 4k, 8k, 16kHz
Power Consumption	29W	18W	19W	8W	9.5W
Power Supply (AC 50/60Hz)	110/120/220/240V	240V	110/120/220/240V	240V	240V
Dimensions (W x H x D)	430 x 153 x 330mm	430 x 86 x 234mm	430 x 53 x 235mm	430 x 86 x 234mm	315 x 50 x 240mm
Weight	6.6 kg	2.8 kg	2.6 kg	2.4 kg	2.0 kg

Turntable

	SL-1000MK2	SL-1200MK2	SL-QX200	SL-D210
Drive System	Quartz-locked direct drive	Quartz-locked direct drive	Quartz-locked direct drive	Direct drive
Motor	Ultra-low-speed brushless DC	Ultra-low-speed brushless DC	Ultra-low-speed brushless DC	Ultra-low-speed brushless DC
Pitch Control Range	—	±8%	±6%	—
Wow & Flutter	0.025% (WRMS), ±0.035% (peak)	0.025% (WRMS), ±0.035% (peak)	0.025% (WRMS), ±0.035% (peak)	0.025% (WRMS), ±0.035% (peak)
Rumble	-78 dB (DIN B) -56 dB (DIN A)	-78 dB (DIN B) -56 dB (DIN A)	-80 dB (DIN B) -56 dB (DIN A)	-78 dB (DIN B) -56 dB (DIN A)
Tonearm Type	Variable dynamic damping universal	Static-balanced universal	Plug-in connector straight	Plug-in connector straight
Cartridge Frequency Response	—	—	10Hz—50kHz 20Hz—10kHz (±1dB)	10Hz—35kHz 20Hz—10kHz (±1dB)
Power Consumption	26W	13.5W	7W	4W
Power Supply (AC 50/60Hz)	110—120/220—240V	110—120/220—240V	110—120/220—240V	240V
Dimensions (W x H x D)	560 x 170 x 465mm*	453 x 162 x 360mm	430 x 99 x 380mm	430 x 100 x 375mm
Weight	26.2 kg*	11 kg	5.9 kg	4.4 kg

* excluding power unit and remote control

Cassette Receiver

	SA-R100L
AMPLIFIER SECTION	
Continuous Power (both ch. driven)	2 x 30W (1kHz, 8Ω) 2 x 28W (20Hz—20kHz, 8Ω)
Total Harmonic Distortion	0.09% (rated power, 20Hz—20kHz)
Input Sensitivity & Impedance	PHONO 2.5mV/47kΩ VIDEO/CD/AUX/TAPE 150mV/33kΩ
S/N Ratio	PHONO 70dB (70dB, IHF A) VIDEO/CD/AUX/TAPE 72dB (80dB, IHF A)
Frequency Response	PHONO RIAA ±1dB VIDEO/CD/AUX/TAPE 10Hz—45kHz
FM/AM TUNER SECTION	
Sensitivity	FM (S/N 26dB) 0.9μV (75Ω), 1.8μV (300Ω) MW (S/N 20dB) 20μV, 300μV/m LW (S/N 20dB) 50μV
Total Harmonic Distortion (FM)	0.1% (mono)
S/N Ratio (FM, mono)	70dB (78dB, IHF)
AM Frequency Range	MW 522—1620kHz LW 153—353kHz
CASSETTE DECK SECTION	
Tape Speed	4.8cm/s
Wow & Flutter	0.08% (WRMS)
Frequency Response	METAL 20Hz—17kHz CrO ₂ 20Hz—16kHz NORMAL 20Hz—15kHz
S/N Ratio	Dolby C NR in 72dB (CCIR) Dolby B NR in 64dB (CCIR) NR out 55dB
GENERAL	
Power Supply (AC 50/60Hz)	110/120/220/240V
Power Consumption	205W
Dimensions (W x H x D)	460 x 315 x 65mm
Weight	7.1 kg

Turntable

	SL-B200	SL-QL15	SL-QL5	SL-J2
Drive System	Belt drive	Quartz-locked direct drive	Quartz-locked direct drive	Quartz-locked direct drive
Motor	FG servo DC	Ultra-low-speed brushless DC	Ultra-low-speed brushless DC	Ultra-low-speed brushless DC
Pitch Control Range	±6%	—	—	—
Wow & Flutter	0.045% (WRMS), ±0.06% (peak)	0.025% (WRMS), ±0.035% (peak)	0.025% (WRMS), ±0.035% (peak)	0.025% (WRMS), ±0.035% (peak)
Rumble	−70 dB (DIN B)	−80 dB (DIN B) −56 dB (DIN A)	−78 dB (DIN B) −56 dB (DIN A)	−78 dB (DIN B) −56 dB (DIN A)
Tonearm Type	Plug-in connector straight	Plug-in connector linear tracking	Plug-in connector linear tracking	Plug-in connector linear tracking
Cartridge Frequency Response	10Hz—35kHz 20Hz—10kHz (±1dB)	10Hz—50kHz 20Hz—10kHz (±1dB)	10Hz—40kHz 20Hz—10kHz (±1dB)	10Hz—40kHz 20Hz—10kHz (±1dB)
Power Consumption	3W	11W	10W	12W
Power Supply (AC 50/60Hz)	240V	110—120/220—240V	110—120/220—240V	110—120/220—240V
Dimensions (W x H x D)	430 x 93 x 375mm	430 x 88 x 350mm	430 x 88 x 350mm	315 x 88 x 315mm
Weight	3.8 kg	7.4 kg	5.1 kg	4.1 kg

Cassette Deck

		RS-B100	RS-M253X	RS-M245X	RS-B48R	RS-B11W	RS-B40	RS-B13
Tape Speed		4.8cm/s	4.8cm/s	4.8cm/s	4.8cm/s	4.8cm/s	4.8cm/s	4.8cm/s
Wow & Flutter	WRMS	0.022%	0.04%	0.045%	0.05%	0.07%	0.045%	0.07%
	DIN	±0.038%	±0.14%	±0.14%	±0.14%	±0.14%	±0.14%	±0.14%
Frequency Response	Metal	15—25,000Hz	20—22,000Hz	20—20,000Hz	20—17,000Hz	20—18,000Hz	20—19,000Hz	20—17,000Hz
	CrO ₂	15—23,000Hz	20—21,000Hz	20—19,000Hz	20—17,000Hz	20—18,000Hz	20—18,000Hz	20—16,000Hz
	Normal	15—21,000Hz	20—19,000Hz	20—18,000Hz	20—16,000Hz	20—16,000Hz	20—17,000Hz	20—15,000Hz
Dynamic Range (1kHz, dbx in)		110dB	110dB	110dB	110dB	—	110dB	—
S/N Ratio	dbx in	92dB (A WTD)	92dB (A WTD)	92dB (A WTD)	92dB (A WTD)	—	92dB (A WTD)	—
	Dolby C NR in	78dB (CCIR)	78dB (CCIR)	75dB (CCIR)	75dB (CCIR)	—	75dB (CCIR)	74dB (CCIR)
	Dolby B NR in	70dB (CCIR)	70dB (CCIR)	67dB (CCIR)	67dB (CCIR)	67dB (CCIR)	67dB (CCIR)	66dB (CCIR)
	NR out	60dB (A WTD)	60dB (A WTD)	57dB (A WTD)	57dB (A WTD)	57dB (A WTD)	57dB (A WTD)	56dB (A WTD)
Fast Forward and Rewind Time (C-60 tape)		Approx. 90 sec.	Approx. 90 sec.	Approx. 90 sec.	Approx. 90 sec.	Approx. 110 sec.	Approx. 85 sec.	Approx. 110 sec.
Input Sensitivity & Impedance	Mic	—	0.25mV 600Ω—10kΩ	0.25mV 400Ω—10kΩ	0.25mV 400Ω—10kΩ	1mV 400Ω—10kΩ	0.25mV 400Ω—10kΩ	0.25mV 400Ω—10kΩ
	Line	60mV/47kΩ	60mV/47kΩ	60mV/47kΩ	60mV/47kΩ	60mV/47kΩ	70mV/38kΩ	60mV/47kΩ
Output Level & Impedance	Line	700mV/820Ω	400mV/3.5kΩ	400mV/1.5kΩ	400mV/1.5kΩ	400mV/1.5kΩ	400mV/4.5kΩ	400mV/1.8kΩ
	Headphones	125mV (at 8Ω)	125mV (at 8Ω)	125mV (at 8Ω)	80mV (at 8Ω)	80mV (at 8Ω)	80mV (at 8Ω)	65mV (at 8Ω)
Bias Frequency		105kHz	85kHz	80kHz	85kHz	—	80kHz	80kHz
Motors		Quartz DD (x1) DC (x1)	DC servo (x1) DC (x1)	DC servo (x1) DC (x1)	DC servo (x1) DC (x1)	Tape 1: DC servo (x1) Tape 2: DC servo (x1)	DC servo (x1)	DC servo (x1) DC (x1)
Heads	Record/Playback	AX (x2) combination	AX (x2) combination	AX (x1)	MX (x1)	Tape 1: MX (x1) Tape 2: MX (x1)	MX (x1)	MX (x1)
	Erase	Double-gap sendust (x1)	Double-gap sendust (x1)	Double-gap ferrite (x1)	Double-gap ferrite (x1)	Double-gap ferrite (x1)	Double-gap ferrite (x1)	Double-gap ferrite (x1)
Power Supply (AC 50/60Hz)		—	—	110/120/220/240V	—	—	—	110/240V
Power Consumption		35W	25W	22W	25W	12W	15W	10W
Dimensions (W x H x D)		430 x 98 x 273mm	430 x 98 x 273mm	430 x 98 x 273mm	430 x 98 x 275mm	430 x 108 x 232mm	430 x 98 x 273mm	430 x 108 x 229mm
Weight		5.6 kg	5.3 kg	5.1 kg	4.9 kg	4 kg	4.5 kg	3.0 kg

Speaker System

		SB-R100	SB-M2	SB-X700	SB-X500	SB-X300
Speaker Unit	Woofer	Mechanical 3-way, coaxial	38cm honeycomb disc	30cm honeycomb disc	25cm honeycomb disc	22cm honeycomb disc
	Midrange	honeycomb disc with 25cm	8cm honeycomb disc	8cm honeycomb disc	8cm honeycomb disc	5.2cm honeycomb disc
	Tweeter	passive radiator	2.8cm honeycomb disc	2.8cm honeycomb disc	2.8cm honeycomb disc	2.8cm honeycomb disc
Input Impedance		8Ω	6Ω	8Ω	8Ω	8Ω
Maximum Input Power	Music	100W	300W	180W	130W	110W
	DIN	50W	130W	90W	65W	55W
Output Level (1m)		87dB/W	92dB/W	90dB/W	90dB/W	90dB/W
Frequency Range	−16dB	55Hz—30kHz	27Hz—38kHz	30Hz—33kHz	33Hz—33kHz	38Hz—33kHz
	−10dB	70Hz—25kHz	35Hz—35kHz	39Hz—30kHz	40Hz—30kHz	45Hz—30kHz
Crossover Frequencies		2kHz	750Hz, 4kHz	1kHz, 4kHz	1.5kHz, 4kHz	1.6kHz, 4.5kHz
Dimensions (W x H x D)		315 x 315 x 65mm	540 x 820 x 415mm	380 x 670 x 327mm	350 x 606 x 327mm	285 x 540 x 267mm
Weight		4.5 kg	50.0 kg	16.5 kg	14 kg	9.5 kg

		SB-X210	SB-X110	SB-F2MK2	SB-F1MK2
Speaker Unit	Woofer	22cm honeycomb disc	18cm honeycomb disc	14cm honeycomb disc	12cm honeycomb disc
	Midrange	5.2cm honeycomb disc	—	—	—
	Tweeter	2.8cm honeycomb disc	2.8cm honeycomb disc	2.8cm honeycomb disc	2.8cm honeycomb disc
Input Impedance		8Ω	8Ω	4Ω/8Ω	4Ω/8Ω
Maximum Input Power	Music	120W	100W	100W	80W
	DIN	60W	50W	50W	40W
Output Level (1m)		90dB/W	89dB/W	88dB/2.83V	86dB/2.83V
Frequency Range	−16dB	35Hz—28kHz	36Hz—28kHz	45Hz—35kHz	48Hz—35kHz
	−10dB	44Hz—27kHz	45Hz—27kHz	55Hz—33kHz	65Hz—33kHz
Crossover Frequencies		2kHz, 4kHz	3.2kHz	2.5kHz	2kHz
Dimensions (W x H x D)		280 x 495 x 222mm	223 x 372 x 212mm	157 x 255 x 172mm	134 x 219 x 136mm
Weight		6.5 kg	4.6 kg	5.0 kg	2.9 kg

Suggested Combinations

A wide range of the Technics Hi-Fi components shown in this catalogue are compatible, but to help you to choose your ideal components system we have selected some well-matched combinations.

AMPLIFIER	SA-150L	SA-250L	SU-V2X	SU-V2X	SU-V4X	SU-V4X	SU-V707
TUNER			ST-Z400L	ST-G5L	ST-G5L	ST-G5L	ST-S707
CASSETTE DECK	RS-B13	RS-B40	RS-B13	RS-B40	RS-B40	RS-B48R	RS-M245X
TURNTABLE	SL-B200	SL-B200	SL-D210	SL-QX200	SL-D210	SL-QL5	SL-QL15
SPEAKER	SB-X110	SB-X210	SB-X210	SB-X300	SB-X500	SB-X500	SB-X700
GRAPHIC EQUALIZER	SH-Z200	SH-8044	SH-8045	SH-8044	SH-8045	SH-8044	SH-8045
COLOUR CHOICE	BLACK	BLACK	SILVER BLACK	BLACK	SILVER BLACK	BLACK	BLACK

Technics

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