

Technics

Hi-Fi



COMPONENTS COLLECTION



RECEIVERS

GET THE MOST OUT OF NEW DIGITAL SURROUND AND DOLBY PRO LOGIC, WITH TECHNICS TIMES 6 CONCEPT



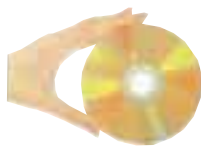
For the full impact of today's feature films in your home, you really need the deep bass tones of a subwoofer. Only a subwoofer can pump out those powerful low-range vibrations that are key to the realism of everything from explosions and jet engines to dinosaur footsteps and disaster scenes. Just think how much less involving a film would be without the bass frequencies that help build up suspense and excitement – without a subwoofer you can only hear part of them. Film directors and their sound engineers also work hard to create surround-sound effects that make the audience feel like they're part of the action. Powerful reproduction of these calculated effects is required to do them justice. The latest audio formats make new demands on a sound system. Dolby Digital™ and MPEG2 are sound formats for DVD, the digital video disc with rapidly growing hardware and software since its debut in 1977. Dolby Digital has an independent LFE (Low Frequency Effect) channel meant for subwoofer reproduction, as well as completely separate left and right full-range surround channels for highly effective results.

Recognising the importance of these subwoofer and surround channels, the new Technics SA-AX6 features the Technics Time 6 concept, a further development of our Times 4 and Times 5 concept. This provides each of six channels (front left/right, centre, surround left/right and subwoofer channels) with the same large 100W power, adding up to a total of 600W of Class H+ amp output in a Home Theatre Receiver. This means awesome home theatre sound quality with full power reproduction of the dynamic digital surround soundtracks of movies recorded with Dolby Digital or MPEG2 audio. Powerful surround matched with deep bass from a subwoofer adds great realism to conventional Dolby Pro Logic™ reproduction as well.



Discrete Multi-Channel Ready

The latest development in movie theatre sound is the Dolby Stereo Digital, digital discrete multi-channel surround system. A home version of the Dolby Stereo Digital is now available, with new digital coding named 5.1 channel Dolby Digital (AC-3). The use of Dolby Digital for the main audio tracks of DVD, the latest AV media, to reproduce powerful movie atmosphere and sound is becoming more widespread. The Technics SA-TX50/AX6/AX720 are ready for discrete multi-channel surround reproduction. A full six inputs (front left/right/centre, surround left/right, and subwoofer) are provided to accept the analogue signals from a Dolby Digital/MPEG2 decoder or DVD player with 6 channel output. The SA-AX6 has six separate amp circuits to amplify all of these channels. The SA-TX50/AX720 have five amp circuits, so they can handle all channels except the subwoofer.



Reliability, High Quality, and High Power with Class H+ Amp Circuitry

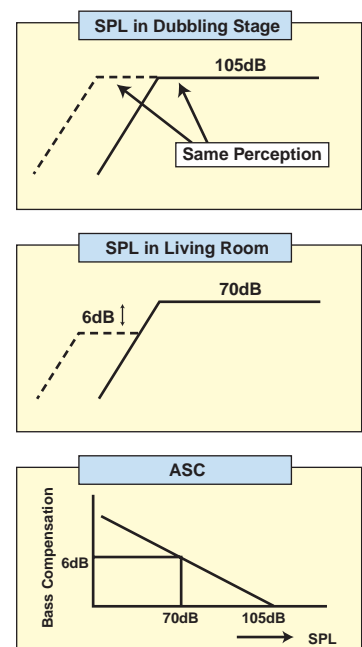
Our Class H+ amp circuitry is ideal for home theatre amps.



It's very efficient, so generation of heat is minimised. And it's got plenty of output power to spare to help guard against 'clipping' distortion, which can occur when a momentary signal peak requires more power than an amp can deliver. It's the perfect high-power amp for home theatre use! Dynamic Headroom, an indicator of reserve power available, has been improved to an impressive 2dB, compared with 1.2dB of our previous receiver amps. This means that reserve power, or momentary peak power is about 1.5 times that of rated power.

Adaptive Subwoofer Control Brings Cinema Bass Impact

A movie soundtrack is created with cinema reproduction in mind. In a movie theatre, sound pressure levels can reach 105dB at peak action points. But in the home it's more usual to reduce the volume to around 70dB. Because of human hearing characteristics, this creates a tonal imbalance where the bass sounds disproportionately weak. To compensate, Technics has added a function called Adaptive Subwoofer Control. This automatically raises bass level as overall volume is reduced. Therefore you can listen at home with the same kind of natural balance that you would experience in a movie theatre. And you can keep your home listening volume at a reasonable level without sacrificing realism.



RECEIVERS


Home THX Control Receiver

Home THX Cinema Mode with DSP

With the SA-TX50 Home THX² Control Receiver you can use the Home THX Cinema² Mode to enjoy more realistic film sound than is possible with Dolby Pro Logic³ decoding alone. The surround sound decoding of film soundtrack is realised through Dolby Pro Logic surround circuitry, which extracts the spatial effects of Dolby Stereo from video tapes and discs. The goal is to take the Dolby Surround output and reproduce the soundtrack in immaculate condition. As movie soundtracks are designed for playback in large theatres, not in living rooms, additional processing is required in order to allow



the most accurate translation from the theatre to the home environment. DSP (Digital Signal Processing) is used to attain high quality in Dolby Pro Logic decoding and three kinds of Home THX processing.

¹ "Dolby", the double-D symbol , and "Dolby Digital" are trademarks of Dolby Laboratories Licensing Corporation

² THX, Home THX and Home THX Cinema are registered trademarks of Lucasfilm Ltd.

³ Dolby Pro Logic is a trademark of Dolby Laboratories Licensing Corporation.

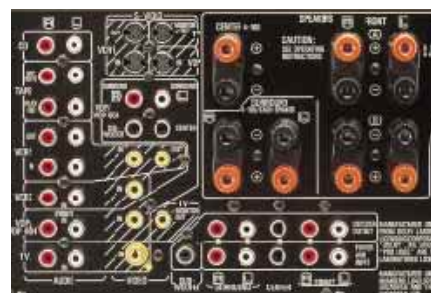
SA-TX50

Home THX Control Receiver



- Home THX Cinema/Dolby Pro Logic Surround/ Dolby 3-Stereo/SFC/Stereo/Mono modes, centre channel mode (wideband/normal/phantom), delay time (15 - 30 msec.) in Home THX Cinema or Dolby Pro Logic Surround mode, individual level controls (for front L/C/R, surround L/R, subwoofer), and test mode
- Home THX Cinema or Dolby Pro Logic mode: equal high power output of 120W (DIN) per Left/Centre/Right channels plus 100W per Surround L/R channels
- Powerful stereo mode: 130W (DIN) per channel
- 6-channel discrete inputs ready for Dolby Digital (AC-3) or other discrete multi-channel reproduction with optional decoder
- Class H⁺ amplifier circuitry
- On Screen HELP function
- On Screen Display
- DSP-equipped Sound Field Control (10 modes: HALL/CLUB/LIVE/THEATRE/CHURCH/STADIUM/SIMULATED/SSI-1/SSI-2/SSI-3)
- 5 video and 7 audio input selectors
- Front VCR input (VCR3)
- Front VCR1 and VDP inputs also come with S-Video jacks

- AV remote control
- Large needle-type power meters
- Light ON/OFF switch for power meter panel (on remote control)
- Subwoofer output (RCA phono jack)
- Easy-to-operate Digitally Encoded Tuning
- Quartz synthesised digital tuning system
- 30-station AM/FM random access presets with convenient 10-key direct access
- Direct 10-key tuning
- Remote controllable motorised volume control with centre 0dB (REFERENCE) indication referenced to the standard volume level used for movie dubbing stage monitoring
- Low-impedance capability – switchable from front panel
- Multi-function, alphanumeric display
- Bass and treble tone controls (except Home THX Cinema mode)
- An internal cooling fan helps prevent heat build-up
- A and/or B speaker selectors
- Headphone jack
- Decoder outputs (L/C/R/SL/SR/SW) and Power Amp inputs (L/C/R/SL/SR)



Rear Panel

Home THX
Licensed Product

Home THX Cinema/Dolby Pro Logic Mode:

Total 560W
(120W x 3 + 100W x 2)



RECEIVERS

SA-AX6

Home Theatre Receiver



- Dolby Pro Logic Surround: centre channel mode (normal/wideband/phantom), function on/off, delay time (15 ~ 30 msec.), surround level, centre level, and test mode
- Dolby 3 Stereo
- Powerful stereo mode: 100W per channel (1 kHz, 6Ω, 1.0% THD)
- Home Theatre Mode: equal high power output of 100W (1 kHz, 6Ω, 1.0% THD) per Left/Centre/Right/ Surround Left/Surround Right/Subwoofer channels
- 6-channel discrete inputs ready for Dolby Digital/(AC-3) or other discrete multi-channel reproduction with optional decoder
- Adaptive Subwoofer Control achieves natural bass balance
- User-friendly HELP function with LED key
- Cut off frequency control for optimum bass reproduction through matching to low range characteristics of front speakers
- Subwoofer level control to compensate for subwoofer efficiency and location
- Multi-Channel Multi-Drive design for high-grade stereo
- Enhanced Class H⁺ amplifier circuitry
- AV Remote Control
- Large speaker terminals help preserve signal quality
- 5 video and 7 audio rotary-type input selectors
- Front audio/video input
- S-video terminal
- Quartz synthesised digital tuning system
- Direct 10-key tuning (by remote control)
- Motor driven, remote controllable volume
- Multi-function alphanumeric FL display
- Sleep/Wake timer function
- Bass and treble tone controls
- A and/or B speakers selectors
- Muting function (by remote control)
- Balance control

Multi-Channel Multi-Drive Design Puts 6-Channel Amp To Use In Stereo Reproduction

With the SA-AX6, each of the six channels (Front L/R, Centre, Surround L/R, Subwoofer) is allocated 100W of power in Dolby Pro Logic/Dolby Digital mode. For extra high sound quality, the front left and right channels can be connected to suitable speakers by bi-wiring. In the 2-channel stereo mode, 4 channels of this 6-channel amp can be used through its bi-amp/bi-wiring capability, thanks to the Multi-Channel Multi-Drive design for high fidelity stereo reproduction.

Large Speaker Terminals

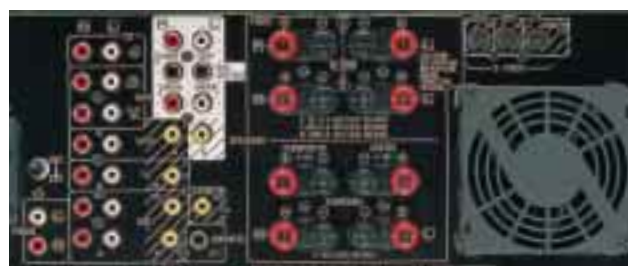
Audio purists are careful to preserve signal quality by using special high-grade speaker cables. To accommodate those cables, Technics SA-AX6 and SA-AX720 are equipped with large speaker terminals designed to accept high performance connectors.



Speaker terminal of the SA-AX6

Total 600W (100W x 6)

Home Theatre Mode



Rear Panel of the SA-AX6

RECEIVERS

SA-A X 720

Home Theatre Receiver



- Dolby Pro Logic Surround: centre channel mode (normal/wideband/phantom), function on/off, delay time (15 - 30msec.), surround level, centre level, and test mode
- Dolby 3 Stereo
- Powerful stereo mode: 100W per channel (1 kHz, 6Ω, 1.0% THD)
- Home Theatre Mode: equal high power output of 100W (1 kHz, 6Ω, 1.0% THD) per Left/Centre/Right/Surround Left/Surround Right Channels
- 6-channel discrete inputs ready for Dolby Digital/(AC-3) or other discrete multi-channel reproduction with optional decoder

- Enhanced Class H⁺ amplifier circuitry
- User-friendly HELP function
- Sound Field Control (Theatre, Live, Hall, Club, Simulated Surround)
- AV remote control
- 3 video and 5 audio rotary-type input selectors
- Subwoofer output for extended bass reproduction
- Quartz synthesised digital tuning system
- Direct 10-key tuning (by remote control)
- Motor-driven, remote-controllable volume
- Multi-function alphanumeric FL display

- Sleep/Waker timer function
- Bass and treble tone controls
- A and/or B speaker selectors
- Large speaker terminals (speaker A only)
- Balance control
- Muting switch

Total 500W (100W x 5)
Home Theatre Mode



SA-E X 310

Home Theatre Receiver



- Dolby Pro Logic Surround: centre channel mode (normal/wideband/phantom), surround on/off, surround level, centre level, and test mode
- Dolby 3 Stereo
- Powerful stereo mode: 70W per channel (DIN, 8Ω)
- Home Theatre Mode: 60W (DIN, 8Ω) per Left/Centre/Right/Surround channels
- AV remote control
- 2 video and 4 audio input selectors
- Subwoofer output for extended bass reproduction
- Quartz synthesised digital tuning system
- Direct 10-key tuning (by remote control)
- Motor-driven, remote-controllable volume

- Multi-function alphanumeric FL display
- Sleep timer function (by remote control)
- Bass and treble tone controls
- Balance control
- Muting switch

Total 240W (60W x 4)
Home Theatre Mode



SA-E X 100

AV Stereo Receiver



Total 100W x 2

- 100W (DIN, 8Ω) per channel stereo amplifier
- Class H⁺ amplifier circuitry achieves high power output with outstanding dynamic headroom of 2dB, and reliable operation
- AV remote control
- 3 audio inputs and 1 VCR (audio only) input
- Remote-controllable rotary volume knob
- Quartz synthesised digital tuning system
- 30-station FM/AM random access presets
- Direct 10-key tuning (by remote control only)
- Sleep timer function (by remote control only)



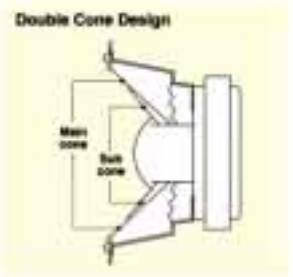
HOME THX SPEAKERS



SB-TF50

Home THX Front Speaker System

- Special stands are designed for a perfect fit on top of the SB-TW50 subwoofers. This kind of installation also raises the front speakers to match typical viewing height of the TV screen
- Vertically aligned 3-way, 5-speaker configuration provides smooth control over vertical directivity with wide frequency response
- Two 14cm cone woofers
- Two 8cm cone midranges featuring a new double-cone design which integrates an inner subcone with an outer main cone. This contributes to flat frequency response and coherency while avoiding cone breakup
- 2.5cm soft dome tweeter
- Magnetically shielded design



SB-TC50

Home THX Centre Speaker System

- The SB-TC50 employs the same speaker units and enclosure size as the SB-TF50, but with the woofers to the sides of the midrange drivers and tweeter
- Its enclosure design permits angled placement to point directly at the listeners ear level.
- Magnetically shielded design

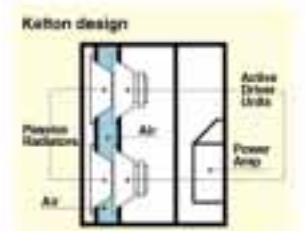
Home THX
Licensed Product



SB-TW50

Home THX Powered Subwoofer System

- The SB-TW50 is a 2-piece set of subwoofers, each with its own built-in 100W power amp
- They are also designed to serve as pedestals for the front left and right speakers, raising them up to the same level as the TV screen
- Powerful bass response extends down to 25Hz, thanks to the sealed Kelton type design. This uses two 25cm passive radiators on the exterior, driven by two 20cm active units on the interior
- Each subwoofer's front panel has a power switch and indicator LED
- Power turns off automatically if no signal is detected for a particular length of time. Power comes back on automatically when a signal is again applied
- Magnetically shielded design



Home THX
Licensed Product

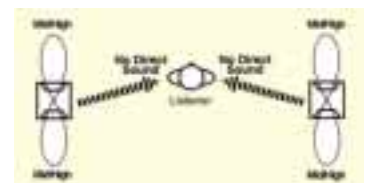


SB-TS50

Home THX Surround Speaker System

- This 2-way 3-speaker design uses a 14cm cone woofer on the cabinet front, while the two sides of the cabinet each have one 8cm cone full-range unit, at opposite upper and lower locations
- The two full-range units are driven in opposite phase in a dipole arrangement to produce midrange and high range tones in a figure-8 pattern which is heard mostly as indirect reflections
- The woofers give this 2-way configuration a full-bodied bass component
- Fixtures are provided to permit wall-mounting.

Figure-8 pattern



Home THX
Licensed Product

*THX, Home THX and Home THX Cinema are registered trademarks of Lucasfilm Ltd.

HOME THEATRE SPEAKERS

SB-A38

3-Way Bass-Reflex Speaker System

- Mutual effect loading system with 30cm and 25cm dual woofers for powerful bass and natural vocal sound
- Wide Presence Tweeter
- 10cm cone type midrange
- High input power: 260W (music), 130W (DIN)
- Rounded corners
- Magnetic shielding for AV system use



SB-LV110

2-Way Bass-Reflex Speaker System

- Magnetic shielding for AV system use
- Attractive cabinet design
- High input power: 140W (music), 70W (DIN)
- 17cm cone woofer delivers powerful bass
- Wide Presence Tweeter - sound spreads out over a wide listening area thanks to the diffuser on this Wide Presence Tweeter
- Rear bass-reflex port design for excellence low range response
- Rounded battle edges on all four sides
- Detachable grille



SB-CSS70

Centre Channel/Surround Speaker System

SB-AFC32 Centre Channel Speaker System

- Slim and compact rigid cabinet
- High input power: 260W (music), 130W (DIN)
- 8cm straight-cone-type full-range speakers (four drivers per speaker)
- Magnetic shielding for AV system use

SB-C22 Surround Speaker System

- Slim and compact rigid cabinet
- High input power: 160W (music), 80W (DIN)
- 8cm straight-cone-type full-range speakers (two drivers per speaker)
- Magnetic shielding for AV system use



SB-AFC32

SB-C22

HOME THEATRE SPEAKERS

SB-CSS 40

Centre Channel/Surround Speaker System

SB-C22 Centre Channel Speaker System

- Slim and compact rigid cabinet
- High input power: 160W (music), 80W (DIN)
- 8cm straight cone-type full-range speakers (two drivers per speaker)
- Magnetic shielding for AV system use



SB-C22

SB-S29 Surround Speaker System

- High quality sound from ultra-compact cabinet
- High input power: 80W (music), 40W (DIN)
- 8cm cone-type full-range speakers
- Slanted baffle for excellent directionality



SB-S29

SB-CSS 10

Centre Channel/Surround Speaker System

SB-PC11 Centre Channel Speaker System

- Slim and compact design
- High input power: 160W (music), 80W (DIN)
- 8cm cone-type full-range speakers (two drivers per speaker)
- Magnetic shielding for AV system use



SB-PC11

SB-PS11 Surround Speaker System

- Slim and compact design
- 8cm cone-type full-range speakers

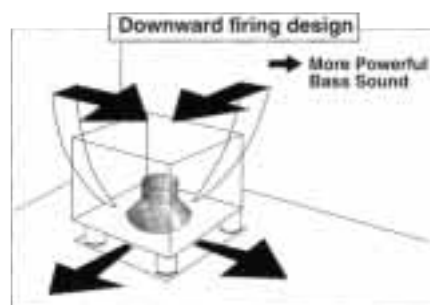


SB-PS11

SB-W500

Subwoofer

- Powerful bass reproduction results from this downward firing design in which the woofer faces the floor. Since sound is reflected from the floor and walls, efficiency is greater than with conventional front-mounted designs
- 14cm cone type dual woofers
- For connection to virtually any amp or receiver, stereo input and output terminals permit front speakers to be driven via the subwoofer.
- High input power: 160W (music, 8 Ω), 80W (DIN 8 Ω) in stereo mode: 320W (music 1 6 Ω), 160W (DIN, 16 Ω) in mono mode
- Designed for optimum matching with Technics SA-AX6 and SA-AX720 receivers.



SB-W34

Subwoofer

- 2 piece set of 1-way 2-speaker system
- 17cm cone type woofer
- Kelton type design with two ports
- Non-directional sound allows freedom of placement

- Equipped with terminals for front speakers and dividing network
- Magnetic shielding for Home Theatre system use
- Designed for optimum matching with Technics SA-EX310 receiver and SB-LV110 speakers.

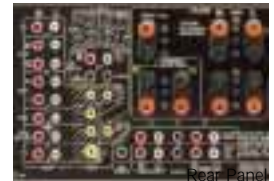


HOME THX CINEMA COMPONENT PACKAGE

Making your own customised combination for Home Theatre System

RECEIVER

SA-TX50



SUBWOOFER

SB-TW50



FRONT SPEAKERS

SB-TF50



CENTRE/SURROUND SPEAKERS

SB-TC50



SB-TS50



HOME THEATRE COMPONENT PACKAGE

Making your own customised combinations for Home Theatre System

RECEIVER

SA-AX6



SA-AX720



SUBWOOFER

SB-W500



FRONT SPEAKERS

SB-A38



CENTRE/SURROUND SPEAKERS

SB-CSS70



SB-C22

SB-AFC32

HOME THEATRE COMPONENT PACKAGE

Making your own customised combinations for Home Theatre System

RECEIVER

SA-EX310



SUBWOOFER

SB-W34



FRONT SPEAKERS

SB-LV110



CENTRE/SURROUND SPEAKERS

SB-CSS10



SB-PC11



SB-PS11



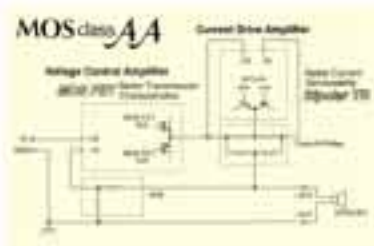
SB-C22

SB-CSS40



SB-S29

AMPLIFIERS



Super Linearity and Super Sound Quality – MOS Class AA

The best device for use in an amplifier's output stage is the MOS-FET (metal oxide semiconductor field effect transistor). In contrast to the common bipolar transistor which is a current amplification device, the MOS-FET uses input voltage to amplify output current, much like a vacuum tube. This gives the MOS-FET outstanding transfer characteristics particularly in terms of linearity, as confirmed by its audibly superior sound quality. Technics MOS Class AA takes maximum advantage of MOS-FET linearity in its class A voltage control amp, while using bipolar transistors for the current drive amp, since the MOS-FET is not the optimum for such large current applications. The two amp circuits are linked by a Special Class AA Bridge Connection, creating a new kind of power amp stage. This epoch making MOS Class AA Circuit reaches its full potential by employing newly developed Technics original MOS-FET devices. This virtually ideal amp offers

outstanding sound quality that is superior to that of conventional high-priced Class A amps, and is endowed with powerful speaker drive capability, all at a remarkably reasonable price.

V.B.O. Virtual Battery Operation – the Nearest Thing to the Ideal Audio Power Supply

Technics developed Virtual Battery Operation to effectively reduce noise from the power supply circuit. By taking advantage of MOS-FET characteristics, this new concept provides performance rivalling that of a battery, the ideal audio power supply, thereby assuring exceptional sound quality.



High Performance MASTER Series Electrolytic Capacitor

The capacitor is another device with a definite influence on sound quality. It helps filter the rectified power supply current to provide a smooth DC current for audio signal amplification.

As the capacitor handles large currents (the same number of amperes that drive the speakers) its performance is closely linked with sound quality. Capacitor vibration can easily spoil that quality. The MASTER Series capacitors feature an improved electrolyte and aluminium foil construction for maximum performance. The latest version of these aluminium electrolytic capacitors feature an important development in their internal construction. Capacitors of this type employ separators between the aluminium foil cathode and anode. These separators provide structural strength and they keep the electrolyte in uniform contact with the aluminium foil. After a thorough review of possible separator materials, we selected Japanese TA-KE (ta-keh) bamboo. The new separator is made of TA-KE pulp, taking advantage of TA-KE's strong fibres. This contributes to outstanding vibration damping characteristics and improved conductivity in the latest MASTER Series electrolytic capacitors. The result is more dynamic, lifelike sound that brings out the delicate nuances of musical expression. Selection of each of the materials used in this capacitor required persistent and repeated listening tests. It was only when the combination of materials was exactly right that we decided that this was truly the optimum capacitor for audio applications.

SU-A 900D

Stereo Power Amplifier/Control Amplifier

MOS class AA V.B.O. MASTER SERIES

- Separate amplifier configuration
- Super linearity and super sound quality – MOS Class AA circuit
- Virtual Battery Operation reduces noise from the pre-amp power supply circuit
- Technics Hybrid Diecast Panel suppresses vibrations
- New MASTER Series capacitor for high quality sound
- 120W x 2 (DIN 4Ω) high power output
- Large needle-type power meters
- Technics Remote Control System designed for high sound quality

- 6-position input selectors (CD, tape 1, tape 2/DCC, tuner, phono, aux)
- Tape monitor switch
- A and/or B speaker selector
- Tone controls with tone defeat switch
- Balance control



SU-V 620

Stereo Integrated Amplifier

new class A

- New Class A circuitry for clear, undistorted sound
- 100W x 2 (DIN 4Ω) high output power
- Technics Remote Control System designed for high sound quality
- 6-position input selectors (CD, tape 1, tape 2/DCC, tuner, phono, aux)

- Quiet phono EQ circuitry
- A and/or B speaker selection
- Bass/treble tone controls
- Large insulating feet
- Balance control
- Headphone jack



CD CHANGERS

110+1 Disc Convenience with Technics SL-MC6 New CD Changer



If you're a music lover who listens to music every day, Technics has some great news for you - the multi-disc SL-MC6 CD Changer. It lets you load up to 110+1 of your favourite discs, so there's no more searching through piles of CDs to find what you want to hear. Plus, it's the same size as a standard component, so it will easily fit into your existing audio system.



TEXT Search

The SL-MC6 is CD TEXT capable. This function records text data such as album, track and artist names in a CD's TOC (Table Of Contents) area.

CDs with CD TEXT are planned for the future. The SL-MC6 is ready to handle this function, providing scrolling readouts of text data. Using the unit's TEXT Search function lets you search alphabetically for artist names, album names and track names, even when a CD is playing. This is a real convenience when accessing discs in the 110+1 CD Changer. TEXT Edit comes in handy with conventional CDs that don't have CD TEXT. This function lets you manually input disc text data into the changer's memory, using the alphabet or symbols. Input data can then be displayed like CD TEXT, enabling easy access to desired discs using TEXT Search.

Quick Disc Change Mechanism

The SL-MC6 is packed with advanced technological innovations, like the Quick Disc Change System. This mechanism was specially designed by Technics for fast, smooth disc changes. The transport mechanism moves



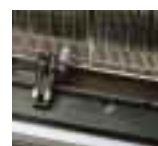
horizontally, taking one disc at a time from the disc storage rack. The disc is then lifted from below by a quick and efficient transport mechanism. This helps to assure that pauses between discs are minimal. In fact, there's even a front window panel that allows you to see the loaded discs.

Front Loading Mechanism Makes It Easy to Play One Disc, Change the Others

The SL-MC6 boasts a front-loading design that makes disc loading and ejection fast and simple. So, even if one disc is playing, you can still open the front panel and load or remove CDs as you wish. In order to eject a disc, you just simply slide the loader carriage over to the desired disc number and then press to easily lift out the CD - it's that easy! And the music never stops.



Slide the loader carriage



Press to lift out the CD

SL-MC6

110+1 CD Changer

MASH



110+1

CD CHANGER

- 110-disc plus one CD Changer System
- CD TEXT Search function and scrolling text display for easy disc/track access
- TEXT Edit function for manual text data input for conventional CDs
- Phone - style 10-Key pad for easy TEXT input
- Quick disc change mechanism with optical disc sensor
- Front loading mechanism makes it easy to play one disc, change the others
- Easy disc replacement system using the loader carriage

- Quick single play function
- Group play function with 14 preset music genre names
- Supplied with a notebook for filing CD booklets

- Direct program and ID scan
- Program play, random play and repeat play
- MASH[®] 1-bit DAC and digital servo system
- Wireless remote control



SL-PD888

5-CD Rotary Compact Disc Changer

MASH



SL-PD688

5-CD Rotary Compact Disc Changer

MASH



- Front-loading 5-disc rotary design lets you change any four discs while a fifth plays on
- Quick Disc Rotation System
- Easy-to-read Disc Location Display
- ID Scan lets you preview the most recognisable section of each track
- Full random play, one-disc random play, and spiral play
- Delete programming, even in random mode
- 32-step random access programming
- Program memory
- All control buttons including the 10 number keys are neatly arranged above the disc tray
- Repeat capability for a single track, an entire disc, all five discs, or programmed songs
- Convenient Edit Guide function
- MASH 1-bit DAC system and advanced digital servo system
- Wireless remote control with 10-key direct access and power on/off button
- Dual directional platter and optical disc detection system
- Super quiet loading mechanism



- Front-loading 5-disc rotary design lets you change any four discs while a fifth plays on
- Quick Disc Rotation System
- Easy-to-read Disc Location Display
- Full random play, one-disc random play, and spiral play
- Delete programming, even in random mode
- 32-step random access programming
- Program memory
- All control buttons including the 10 number keys are neatly arranged above the disc tray
- Repeat capability for a single track, an entire disc, all five discs, or programmed songs
- MASH 1-bit DAC system and advanced digital servo system
- Wireless remote control capability
- Dual directional platter and optical disc detection system
- Super quiet loading mechanism

[®] Technics developed the world's first MASH type DAC. MASH technology was invented by NTT (LSI Labs). MASH is a trademark of NTT.

CASSETTE DECKS

RS-TR272

Double Auto-Reverse Cassette Deck

HX PRO

DOLBY B-C NR

ADVANCED AUTO REVERSE

Remote Control Capability

- Double auto-reverse with 24-hour series playback
- 2 x 1-motor full-logic control
- Power eject system
- Dolby HX Pro and Dolby B/C NR system
- Auto REC level control
- FL display with an electronic counter for both decks (automatic select)
- High-speed editing with synchro start/stop



RS-TR575

Double Auto-Reverse Cassette Deck

ADVANCED AR1 MECHANISM

HX PRO

DOLBY B-C NR

ADVANCED AUTO REVERSE

Remote Control Capability

- Features two auto-reverse decks: DECK 2 rec/play, DECK 1 rec/play
- Parallel recording and series recording
- 24-hour series playback (two C-90 tapes)
- ATC (Auto Tape Calibration) for bias, EQ and rec-level (DECK 2)
- Advanced AR1 mechanism: HI-SPEED FF/REW (approx. 50 seconds with C-60 tape)
- Direct operation with power loading
- Dolby HX Pro
- Dolby B-C NR
- 2-motor full-logic control
- Dual linear electronic tape counters
- High-speed editing with synchro start/stop
- 2-colour FL peak-hold meters
- TPS (tape program sensor)
- Wireless remote control capability with selected Technics amplifiers and receivers



TUNER

ST-GT350

Stereo Synthesiser Tuner

Remote Control Capability

- Easy-to-operate rotary encoded tuning knob
- AM/FM 30-channel random access preset memory
- Multi-function FL display
- Signal strength digital indicator
- Auto-scan tuning and auto memory
- FM auto/mono mode switch
- Large cabinet feet
- Connecting to a selected Technics remote control amp enables preset memory selection and power on/off switching by remote control



TURNTABLES

SL-1 200MK 2

Quartz Synthesiser Direct Drive Turntable

- Total quartz locked continuous pitch adjustment up to $\pm 8\%$
- Precision molded aluminium diecast cabinet and heavy rubber base material absorb unwanted vibrations
- Unwavering quartz DD accuracy: wow & flutter 0.01% WRMS, rumble – 78dB (DIN B)
- Very high torque (1.5kg-cm) for quick start-ups
- Highly sensitive low-mass tonearm with gimbal suspension
- Helicoid tonearm height adjustment



SL-BD 20BK

Belt-Drive Semi-Automatic Turntable

- Highly sensitive low-mass straight tonearm with gimbal suspension
- Anti-vibration TNRC base and large insulator feet
- DC servo motor for accurate platter rotation
- **TP** plug-in connector MM cartridge (EPC-P24S)

- **TP** is the standard mark for the "P-Mount" plug-in connector system. Products carrying this mark are interchangeable and compatible with each other.



DJ MIXER

SH-DJ 1 200

The Official World DJ Championship Mixer

- Durable, highly reliable faders with long service life
- Sensitive and ergonomic fader design
- Equipped with a spare channel fader and cross fader inside the back panel
- Dust-resistant construction
- Easy-to-see, easy-to-use 3-column level meter for professional DJ use
- Flat surface panel design with no unnecessary protruding parts
- Tone control (-24dB/+12dB) and TRIM controls
- Monitoring controls and booth monitor output



TECHNICAL SPECIFICATIONS

Integrated Amplifiers (DIN 45 500)

	SU-V620
Continuous power output (both ch. driven) DIN 20Hz - 20kHz	100W x 2 (4Ω), 80W x 2 (8Ω) 100W x 2 (8Ω)
T.H.D. (rated power at 20Hz - 20kHz)	0.01% (8Ω)
PREAMPLIFIER SECTION	
Input sensitivity/impedance PHONO MM TUNER, CD, AUX, TAPE 1, TAPE 2/DCC	2.5mV/47kΩ 150mV/22kΩ
S/N ratio (rated power, 4Ω) PHONO MM TUNER, CD, AUX, TAPE 1, TAPE 2/DCC	76dB (77dB, IHF '66) 92dB (95dB, IHF '66)
Frequency response PHONO MM: RIAA standard curve TUNER, CD, AUX, TAPE 1, TAPE 2	±1dB (30Hz - 15kHz) 3Hz - 60kHz (+ 0dB, -3dB) + 0dB, -0.3dB (20Hz - 20kHz)
GENERAL	
Dimensions (W x H x D)	430 x 125 x 310 mm
Weight	6.8 kg

Amplifiers (DIN 45 500)

	SU-A900D
POWER AMPLIFIER	
Continuous power output (both ch. driven) DIN 20Hz - 20kHz	120W x 2 (4Ω), 85W x 2 (8Ω) 70W x 2 (8Ω)
T.H.D. (rated power at 20Hz - 20kHz)	0.01% (8Ω)
Frequency response	5Hz - 70kHz (+ 0dB, -3dB) + 0dB, -0.5dB (20Hz - 20kHz)
S/N ratio (Rated power 4Ω)	95dB (110dB, IHF '66)
CONTROL AMPLIFIER	
Input sensitivity/impedance PHONO MM TUNER, CD, AUX, TAPE 1, TAPE 2	2.5mV/47kΩ 200mV/27kΩ
S/N PHONO MM TUNER, CD, AUX, TAPE 1, TAPE 2	76dB (77dB, IHF '66) 90dB (97dB, IHF '66)
Frequency response PHONO MM: RIAA standard curve TUNER, CD, AUX, TAPE 1, TAPE 2	±1dB (30Hz - 15kHz) 3Hz - 80kHz (+ 0dB, -3dB) + 0dB, -0.3dB (20Hz - 20kHz)
Dimensions (W x H x D)	430 x 136 x 344mm (Power Amp) 430 x 69.3 x 307mm (Control Amp)
Weight	9.8 kg (Power Amp) 2.7 kg (Control Amp)

CD Changers/CD Player

	SL-MC6	SL-PD888	SL-PD688
	110+1CD	5CD	5CD
Program capability	32 - selection	32 - selection	32 - selection
Frequency response	2Hz - 20kHz (±1dB)	2Hz - 20kHz (±1dB)	2Hz - 20kHz (±1dB)
S/N ratio	100dB	100dB	100dB
Dynamic range	92dB	92dB	92dB
Total harmonic distortion (1kHz, 0dB)	-	0.007%	0.007%
Dimensions (W x H x D)	430 x 171 x 392 mm	430 x 125 x 370 mm	430 x 125 x 370 mm
Weight	7.2 kg	4.6 kg	4.6 kg

Professional DJ Mixer

	SH-DJ1200
Input sensitivity/impedance PHONO LINE AUX/EFFECTOR MIC	1.5 - 15mV/47kΩ 100 - 1000mV/more than 10kΩ 150mV/47kΩ 0.7mV/1kΩ
Output level/impedance LINE MONITOR HEADPHONES REC	1V/600Ω 2V/2.2kΩ 1.5V/100Ω (Load 100Ω) 1V/2.2kΩ
Maximum output level (Load 10kΩ except headphones)	8V 8V (Headphones open) 1.5V (Load 100Ω) 8V
Load impedance LINE MONITOR HEADPHONES REC	more than 600Ω more than 10kΩ more than 47kΩ more than 10kΩ
Residual hum and noise	less than 0.2mV
Frequency response PHONE LINE AUX/EFFECTOR MIC	30Hz - 15kHz (RIAA ±1dB) 10Hz - 70kHz (-3dB) 10Hz - 100kHz (-3dB) 100Hz - 15kHz (-3dB)
Tone controls Low High	12dB/oct +12dB, -24dB (63Hz) +12dB, -24dB (10kHz)
Dimensions (W x H x D)	260 x 102 x 305 mm
Weight	3.4 kg

Tuner (DIN 45 500)

	ST-GT350
FM TUNER SECTION	
Frequency response	20Hz - 15kHz (+ 0.5dB - -1.5dB)
Sensitivity (IHF, usable)	1.5μV
Total harmonic distortion MONO STEREO	0.2% 0.3%
S/N ratio MONO	70dB (75dB, IHF)
Stereo separation (1kHz)	40dB
AM TUNER SECTION	
Sensitivity (S/N 20dB)	20μV, 600μV/m
GENERAL	
Dimensions (H x W x D)	430 x 69.3 x 301 mm
Weight	2.6 kg

Cassette Decks

	RS-TR575	RS-TR272
Wow and flutter (WRMS)	0.07%	0.18%
Motors: Capstan drive Reel drive	2-speed DC servo (x 2) DC (x 2)	2-speed DC servo (x 2)
Frequency response (DIN) Metal tape High position tape Normal tape	20Hz - 17kHz 20Hz - 16kHz 20Hz - 16kHz	20Hz - 18kHz 20Hz - 17kHz 20Hz - 17kHz
S/N ratio Dolby C NR on Dolby B NR on	74dB (A-weighted) 66dB (A-weighted)	72dB (A-weighted) 64dB (A-weighted)
Dimensions (W x H x D)	430 x 136 x 285 mm	430 x 136 x 286 mm
Weight	4.4 kg	3.8 kg

Turntables

	SL-1200MK2	SL-BD20
Turntable type	Quartz direct drive	Belt-drive
Speed	33-1/3 and 45 rpm	33-1/3 and 45 rpm
Wow and flutter	0.025% WRMS ±0.035% peak	0.045% WRMS ±0.06% peak
Rumble	-78dB DIN B	-70dB DIN B
Tonearm type	Universal S-shaped tonearm	Plug-in connector straight tonearm
Cartridge type	-	Plug-in connector MM cartridge (EPC-P24S)
Cartridge frequency response	-	10Hz - 30kHz
Replacement stylus	-	EPS-24CS
Dimensions (W x H x D)	453 x 162 x 360 mm	430 x 93 x 375 mm
Weight	11.0 kg	3.6 kg

Receivers

	SA-TX50	SA-AX6	SA-AX720	SA-EX310	SA-EX100
Continuous power output (DIN) (both ch. driven)	130W x 2 (6Ω)	100W x 2 (6Ω)	100W x 2 (6Ω)	70W x 2 (8Ω)	100W x 2 (8Ω)
Power output in Dolby Pro Logic Mode (DIN) Front Centre Surround Subwoofer	120W x 2 (6Ω) 120W (6Ω) 100W x 2 (6Ω) –	100W x 2 (6Ω) 100W (6Ω) 100W x 2 (6Ω) 100W (6Ω) ^{†1}	100W x 2 (6Ω) 100W (6Ω) 100W x 2 (6Ω) –	60W x 2 (8Ω) 60W (8Ω) 60W (8Ω) –	–
Total harmonic distortion (half power at 1kHz 8Ω)	0.03% (6Ω)	0.03% (6Ω)	0.03% (6Ω)	0.07% (8Ω)	0.03% (8Ω)
Frequency response PHONO: RIAA standard curve CD, TAPE, DVD, TV, VCR	– 20Hz – 20kHz (± 1dB)	± 0.8dB (30Hz – 15Hz) 10Hz – 40kHz (± 3dB)	± 0.8dB (30Hz – 15Hz) 10Hz – 40kHz (± 3dB)	± 0.8dB (30Hz – 15Hz) 10Hz – 40kHz (± 3dB)	± 0.8dB (30Hz – 15Hz) 10Hz – 40kHz (± 3dB)
S/N ratio (8Ω) PHONO CD, TAPE, DVD, TV, VCR	– 70dB (IHF A)	70dB (80dB, IHF A) 75dB (85dB, IHF A)	70dB (80dB, IHF A) 75dB (85dB, IHF A)	70dB (80dB, IHF A) 75dB (85dB, IHF A)	70dB (80dB, IHF A) 75dB (88dB, IHF A)
Frequency range	87.50 – 108.00MHz	87.50 – 108.00MHz	87.50 – 108.00MHz	87.50 – 108.00MHz	87.50 – 108.00MHz
FM Sensitivity (IHF usable)	1.5µV (75Ω IHF '58)	1.5µV (75Ω IHF '58)	1.5µV (75Ω IHF '58)	1.5µV (75Ω IHF '58)	1.5µV (75Ω IHF '58)
S/N MONO STEREO	60dB (75dB, IHF) 58dB (71dB, IHF)	60dB (75dB, IHF) 58dB (71dB, IHF)	60dB (75dB, IHF) 58dB (71dB, IHF)	60dB (75dB, IHF) 58dB (71dB, IHF)	60dB (75dB, IHF) 58dB (71dB, IHF)
AM Sensitivity	20µV, 330µV/m	20µV, 330µV/m	20µV, 330µV/m	20µV, 330µV/m	20µV, 330µV/m
GENERAL					
Dimensions (W x H x D)	430 x 170 x 375 mm	430 x 158 x 378.4 mm	430 x 158 x 312 mm	430 x 136 x 309 mm	430 x 136 x 309 mm
Weight	12.0 kg	11.0 kg	9.7 kg	7.3 kg	6.8 kg

^{†1} f:100Hz

Home THX Speaker Systems

	SB-TF50	SB-TC50	ST-TW50	SB-TS50
Configuration	3-way, 5-speaker (closed)	3-way, 5-speaker (closed)	1-way, 2-speaker (Kelton)	2-way, 3-speaker (closed)
Speaker Units Woofer Midrange Tweeter Passive radiator	14 cm cone type x 2 8 cm cone type x 2 2.5 cm dome type x 1	14 cm cone type x 2 8 cm cone type x 2 2.5 cm dome type x 1	20 cm cone type x 2 25 cm cone type x 2	14 cm cone type x 1 8 cm cone type x 2 (mid/high)
Input power (music) (DIN)	250W 125W	250W 125W		120W 60W
Sound pressure level	86dB/W(1.0m)	86dB/W(1.0m)	83.5dB ^{†3} /100mV (1.0m)	83dB/W(1.0m)
Impedance	6Ω	6Ω		6Ω
Crossover frequencies	800Hz, 3.5kHz	600Hz, 4.5kHz		400Hz
Frequency range (– 16dB) (– 10dB)	40Hz – 25kHz 50Hz – 22kHz	40Hz – 25kHz 50Hz – 22kHz	15Hz – 400Hz 25Hz – 330Hz	55Hz – 20kHz 65Hz – 20kHz
Dimensions (W x H x D) with grille	300 x 595 x 414 mm ^{†1}	436 x 340 x 300 mm ^{†2}	300 x 515 x 464 mm ^{†4}	266 x 315 x 141 mm ^{†4}
Weight	12.0 kg	10.0 kg	21.0 kg	4.0 kg
AMPLIFIER SECTION				
Power output			100W + 100W (20Hz – 1kHz, 4Ω, 0.03% THD)	
Phase switching			Normal/Inverted	
Input impedance			50KΩ	
Power consumption			90W	
Power supply			AC 220/230/240V, 50/60Hz	

^{†1} With speaker stand ^{†2} With wedge-stand ^{†3} One unit driven ^{†4} Without rubber leg

Home Theatre Speaker Systems

	SB-A38	SB-LV110	SB-AFC32	SB-C22	SB-S29	SB-PC11	SB-PS11	SB-W500	SB-W34
Configuration	3-way, 4-speaker (bass-reflex)	2-way, 2-speaker (bass-reflex)	1-way, 4-speaker (closed)	1-way, 2-speaker (closed)	1-way, 1-speaker (closed)	1-way, 2-speaker (bass-reflex)	1-way, 1-speaker (closed)	1-way, 2-speaker (bass-reflex)	1-way, 1-speaker (bass-reflex)
Speaker Units Woofer Midrange Tweeter	30cm cone type 25cm cone type 10cm cone type 6.5cm cone type	17cm cone type 6.5cm cone type	8cm cone type x 4 (Full range)	8cm cone type x 2 (Full range)	8cm cone type (Full range)	8cm cone type x 2 (Full range)	8cm cone type (Full range)	14cm cone type x 2	17cm cone type
Input power (music) (DIN)	260W 130W	140W 70W	260W 130W	160W 80W	80W 40W	160W 60W	50W 25W	160W 80W	140W 70W
Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	8Ω	4Ω	8Ω	8Ω
Frequency range (– 16dB)	35Hz – 35kHz	46Hz – 22kHz	118Hz – 18kHz	105Hz – 15kHz	100Hz – 20kHz	138Hz – 18kHz	120Hz – 20kHz	37Hz – 550Hz	38Hz – 210Hz
Dimensions (W x H x D) with grille	380 x 980 x 285 mm	236 x 380 x 205 mm	421 x 137 x 150 mm	239 x 137 x 145 mm	118 x 107 x 124 mm	270 x 118 x 159 mm	168 x 118 x 151 mm	318.6 x 370 x 142.3 mm	220 x 421 x 344 mm
Weight	13.5 kg	3.8 kg	3.6 kg	2.0 kg	0.8 kg	1.8 kg	1.0 kg	9.0 kg	7.6kg

Technics hi-fi

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