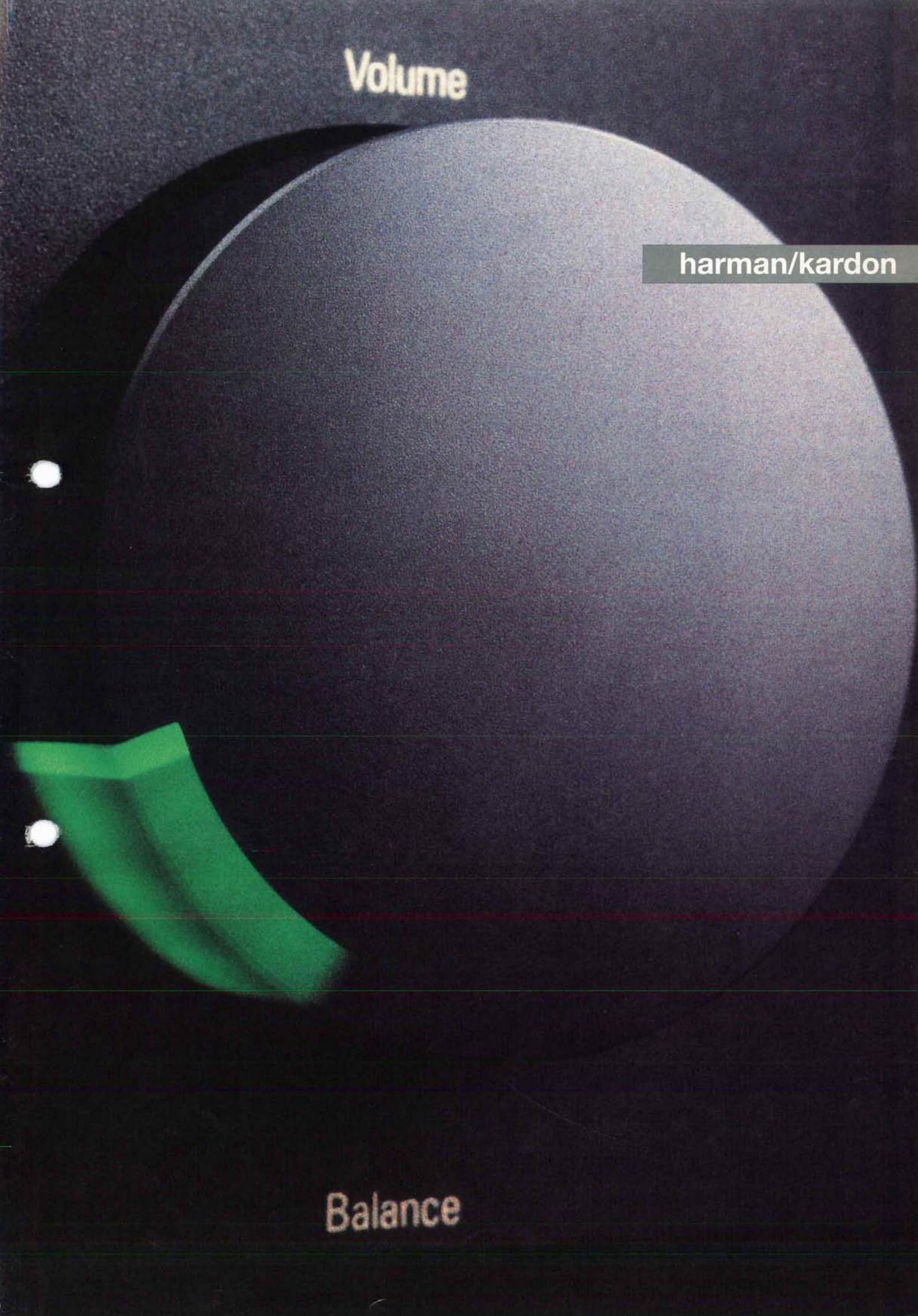
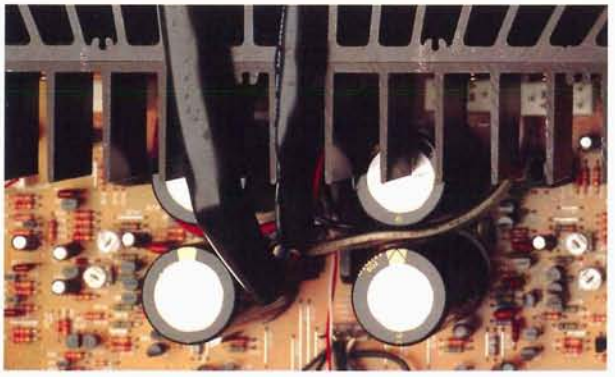

Volume
harman/kardon
Balance

Introducing Harman Kardon

Only a select few companies in the field of home audio can boast of more than forty years of continuous operation under the same ownership. Harman Kardon, still owned and managed by Dr. Sidney Harman, has been an acknowledged leader and innovator in hi-fi design since the very beginning. Harman Kardon leads the way in audio research, introducing such technologies as ultra-widebandwidth amplifier stages and HCC (High Current Capability) which have advanced the state of the art of audio engineering and enhanced the musical enjoyment of millions of satisfied owners.



We invite you to experience the exceptional build quality, extraordinary industrial design and the high quality sound reproduction which have made Harman Kardon a household name all over the world for more than forty years.

Surround Sound Receivers and Amplifiers

Harman Kardon applies the same high level of technology to our Dolby Pro Logic surround amplifiers and receivers that has won critical acclaim for four decades of leadership, integrity and innovation in the hi-fi field. Multi-channel, ultra-wideband, high current amplifiers are combined with innovative Dolby Pro Logic, Dolby 3 Stereo and DSP processing circuitry for the ultimate in audio-visual flexibility and sound quality.

Harman Kardon Surround Sound adds a whole new dimension to your home entertainment.

Stereo Amplifiers

Harman Kardon amplifiers are the source of pioneering technologies such as High Current Capability, achieved by employing high-quality, high speed transistors which deliver generous amounts of output current to tightly control the motion of even the most demanding loudspeakers. Harman Kardon amplifiers also employ a new circuit topology with lower noise, higher linearity and lower distortion without introducing destabilizing negative feedback. A new low-induction circuit board layout results in cleaner, more open sound.

Compact Disc Players

Harman Kardon compact disc players employ only custom-designed discrete circuits based on close-tolerance resistors and fast transistors in the analog stage to allow the critical sampling and conversion systems to produce the best possible sound. The result is wide bandwidth and low negative feedback, both of which are essential for the smooth clear, natural sound of Harman Kardon compact disc players.

Harman Kardon's top players employ exclusive Real Time Linear Smoothing technology to raise digital sound to a whole new level.

Tuners and Receivers

Harman Kardon tuners are based on the same high quality discrete construction as our amplifiers and CD players. The tuners employ high-quality gain-controlled input sections and precision linear-phase filter circuits specially designed for difficult European reception conditions to ensure perfect channel separation and clean reception.

The exceptional technologies which make Harman Kardon amplifiers and tuners the reference standard for critical listeners are combined in our receivers.

Cassette Decks

Harman Kardon cassette decks reproduce the full frequency range of human hearing. To achieve this goal, Harman Kardon tape decks incorporate a combination of innovative technologies. A three-network system recording amplifier extends high frequency response. Internal bias adjustment for each channel and each tape type optimizes performance. For low noise and low distortion, only discrete components are in the signal path. And a stabilizing system eliminates air-born and mechanical vibration.

AVR80 *Twin DSP processors give double processing power to improve the overall quality of the surround decoding process, effecting an extremely precise and realistic surround sound in THX, Dolby Pro Logic and all other surround modes. All video inputs are also "S" types (1 x VCR, 1 x „TV", 1 x Front over the AVR70). Separable Pre out / Main in jacks for all amplifiers. RCA (cinch) inputs for digital 6 channel modes ("5+1") like AC3 and DTS. Coaxial digital input, avoiding excessive D/A conversion steps.*

Amplifier:
Five high current power amplifiers, all front channels discretely designed. Audio Direct Mode for purest High Fidelity. Digital Signal Processing in surround mode for precise and pure surround sound. Dolby Pro Logic and Dolby 3 Stereo. Four DSP surround modes for use with normal stereo sources (Movie, Matrix, Hall, Mono). On screen menu display to adjust all parameter (with selectable colors). Preamplifier outputs for all channels incl. subwoofer. Audio/Video inputs/outputs, 2 x tapes with 1 x monitor function and 2 x VCR, 2 x VCR, 1 x TV out. 1 x Video input and 1 x VCR in/out for "S" video, for TV (monitor) out. AV inputs at front. All inputs direct accessible (no sequential selection). Separate record selectors for tape 1 and VCR. Fixed or volume controlled „Multi out" jacks for the external multiroom amplifier. Variable delay function. Simulcast function (different A/V sources selectable) even for recording. „TV Auto" function switches receiver on/off automatically by switching on/off the video source linked with the „TV Video In" jacks at the rear side. 1 switched and 1 unswitched AC outlet.
Tuner:
RDS system with program type (PTY) and alternative frequency function (AF). Manual station name editing for stations without RDS (by remocon). Preset scan function. Sleep timer. 5 element RF level indication.
30 presets, memorizing all parameters. Auto memory function, memorizes all proper stations automatically on presets.
Remote control:
Learning remote control. Separate Source power buttons (additionally to Main power), that automatically controls the power on/off function of the just selected source (TV, VCR, CDP a.s.o.). "TV Auto" function simplifies the remote operation of the receiver and a TV set. Separate volume control for the TV only. Controls motion functions of any linked remotable VCR, CD, LD and compatible harman/kardon deck. The numeric buttons effect also on TV channels and CD track selection.

AVR70 *Five high current power amplifiers, all front channels discretely designed. Audio Direct Mode for purest High Fidelity. Digital Signal Processing in surround mode for precise and pure surround sound. Dolby Pro Logic and Dolby 3 Stereo. Three DSP surround modes for use with normal stereo sources (Movie, Matrix, Hall). On screen menu display to adjust all parameter. Preamplifier outputs for all channel.*

Audio/Video inputs/outputs: 2 x tapes with 1 x monitor function, 2 x VCR., 2 x VCR, 1 x TV out. 1 x Video input and 1 x VCR in/out for "S" video, the same for TV (monitor) out. AV inputs at front. All inputs direct accessible (no sequential selection). Variable delay function. Simulcast function (different A/V sources selectable) even for recording. „TV Auto" function switches receiver on/off automatically by switching on/off the video source linked with the „TV Video In" jacks at the rear side. 1 switched and 1 unswitched AC outlet.

Tuner:
RDS system with program type (PTY) and alternative frequency function (AF). Manual station name editing for stations without RDS (by remot-control). Preset scan function. Sleep timer. 30 presets, memorizing all parameters. Auto memory function, memorizes all proper stations automatically on presets.
Remote control:
Learning remote control. Separate Source power buttons (additionally to Main power), that automatically controls the power on/off function of the just selected source (TV, VCR, CDP a.s.o.). "TV Auto" function simplifies the remote operation of the receiver and a TV set. Separate volume control for the TV only. Controls motion functions of any linked remotable VCR, CD, LD and compatible harman/kardon deck. The numeric buttons effect also on TV channels and CD track selection.

AVR25 *5 channel Audio/Video receiver with Dolby Pro Logic and 3 channels mode. DSP surround modes Theater/Stadium. Variable 8 step rear delay. Pure discrete component in all front channel signal paths. Ultrawide bandwidth and low negative feedback. Inputs: 2 Line level, 2 tape with copy and monitor function, 1 Phono MM, 2 VCR, 1 VDP, 1 A/V on front. Separate Pre out/Main in (front channels). Pre outputs for 2 center and rear channels. Two TV-monitors connectable. 1 switched AC output. Record selector for VCR 1. Copy from VCRs to tape (Audio) enabled. Audio and Video mixable. Loudness function. Source direct switch to bypass tone controls. Digital synthesizer tuner with 30 FM/AM random presets and presets scan. Display dimmer and 5 step sleep timer (remote control). System remote control with 10 direct access keys.*

AVR21 *5 channel Audio/Video receiver with Dolby Pro Logic and RDS function. Dolby 3 channel mode and DSP HALL mode. Pure discrete components in all signal paths. High current design. Ultrawide bandwidth and low negative feedback. Shielded video section. Inputs: 2 Line level, 2 tape with copy and monitor function, 1 Phono MM, 2 VCR, 1 A/V on front. Separate Pre out/Main in (front channels). Pre outputs for 2 center and rear channels. Subwoofer outputs. Two TV-monitors connectable. 6 step rear delay. Copy between VCRs while listening to another source and from VCR to tape (Audio). Audio and Video mixable, even for record. Loudness function. Digital synthesizer tuner with 30 FM/MW/LW random presets and presets scan. RDS system with PI, PTY search, CT, TA, AF functions. 63 step RF signal level indication (in dB) with best resolution. Display dimmer and 5 step sleep timer (remote con.). High resolution dot matrix display. System remote control with 10 direct access keys. The AVR20 equals AVR21, minus RDS system.*

AVR10 *5 channel Audio/Video receiver with Dolby Pro Logic and 3 channels mode. Pure discrete components in all signal paths. High current design. Ultrawide bandwidth and low negative feedback. Inputs: 2 Line level, 2 tape with monitor function, 1 VCR, 1 A/V on front. Separate Pre out/Main in (front channels). Subwoofer outputs to drive separate power amp or active subwoofer. 1 switched AC output. Normal, wide, phantom modes for center channel. Adjustable 4 step rear delay. Copy between VCRs and from VCR to tape (Audio) possible. Audio and Video mixable, even for record. Bypass to switch off surround modes. Display dimmer and 5 step sleep timer (remote control). Three power modes: On, standby and totally off. Digital synthesizer tuner with 30 FM/AM random presets and presets scan. System remote control with 10 direct access keys.*

AVI200 II *5 channel Audio/Video amplifier with Dolby Pro Logic and 3 channel mode. DSP surround modes Theater/Stadium. Digital rear delay by best available processor ICs (Time Link). 8 step rear delay. Pure discrete componente in all front channel signal paths. High current design. Ultrawide bandwidth and low negative feedback. Shielded video section to protect audio signal paths. Inputs: 3 Line level, 2 tape with copy and monitor, 1 Phono MM, 2 VCR, 1 VDP, 1 A/V on front. Separate Pre Out/Main in (front channels). Pre outputs for 2 center and rear channels. Two TV-monitors connectable. 1 switched AC output. Record selector for VCR 1. Copy from VCRs to tape (Audio) enabled. Audio and Video mixable, even for record. Loudness function, source direct switch. Display dimmer and 5 step sleep timer (remote control). System remote control with 10 direct access keys.*

AVI150 *5 channel Audio/Video amplifier with Dolby Pro Logic. Dolby 3 channel mode and DSP HALL mode to enable surround with stereo sources. Pure discrete components in all signal paths. High current design. Ultrawide bandwidth and low negative feedback. Shielded video section to protect audio signal paths. Inputs: 3 Line level, 2 tape with copy and monitor, 1 Phono MM, 2 VCR, 1 A/V on front. Separate Pre Out/Main in (front channels). Pre outputs for 2 center and rear channels. Two TV-monitors connectable. Adjustable 6 step rear delay. Copy from VCRs while listening to another source and from VCR to tape (Audio). Audio and Video mixable, even for record. Loudness function. Display dimmer and 5 step sleep timer (remote control). System remote control with 10 direct access keys.*

AVI100 *5 channel Audio/Video amplifier with Dolby Pro Logic and 3 channel mode. Pure discrete components in all signal paths. High current design. Ultrawide bandwidth and low negative feedback. Shielded video section to protect audio signal paths. Inputs: 3 Line level, 1 tape with monitor function, 1 VCR, 1 A/V on front. Separate Pre Out/Main in (Front Channels). Subwoofer outputs to drive separate power amp or active subwoofer. 1 switched AC output. Normal, wide, phantom modes for center channel. Adjustable 4 step rear delay. Copy between VCRs and from VCR to tape (Audio) possible. Audio and Video mixable. Bypass switch off surround modes. Display dimmer and 5 step sleep timer (remote control). System remote control with 10 direct access keys.*

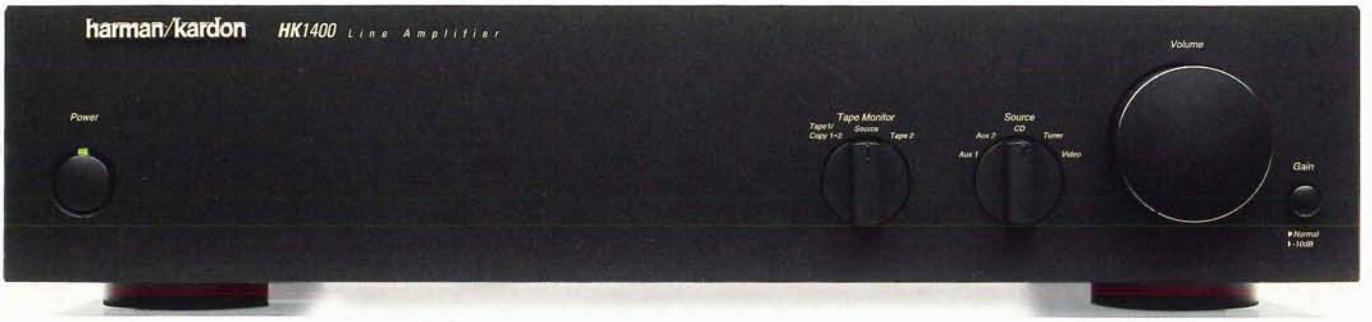
HK680 *Extra High Current design with triple Darlington output stage, parallel high speed output devices and powerful driver stages. Channel separated power supply with 2 bridge rectifiers and audiophile ELNA reservoir capacitors (4 × 8,200 µF), positive and negative supply sides totally independent. Pure discrete components in signal paths. Ultra wide bandwidth and extreme low negative feedback. 5 Line level inputs and 2 tape in-/outputs with 2 way copy and 2 monitor functions for 3-head-decks. Record selector for all sources. Tone defeat and Mono switch. Separate access to Pre- and power amplifier sections. Optional audiophile full discret phono board accepts both MM and MC cartridges. Continuous Power (FTC, 20 Hz - 20 kHz): 85 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 150 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 170 W/4 Ohms, 240 W/2 Ohms. High Current Capability: ±70 Amperes. Frequency Response (-3 dB): 0.2 Hz - 150 kHz.*

HK660 *High Current design with triple Darlington high speed output stage. Driver stage for best low impedance drive capability. Pure discrete components in signal paths. Wide bandwidth and low negative feedback. Audiophile ELNA reservoir capacitors (2 × 18,000 µF) in the power supply. 4 Line level inputs and 2 tape in-/outputs with 1 copy and 1 monitor function for 3-head-decks. Optional audiophile full discrete phono board accepts both MM and MC cartridges. Continuous Power (FTC, 20 Hz - 20 kHz): 65 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 120 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 140 W/4 Ohms, 180 W/2 Ohms. High Current Capability: ±50 Amperes Frequency Response (-3 dB): 0.5 Hz - 100 kHz.*

HK640 *High Current design with triple Darlington high speed output stage. Driver stage for best low impedance drive capability. Pure discrete components in signal paths. Wide bandwidth and low negative feedback. Input switching by discrete FETs to combine long time durability with purest sound and shortest possible signal paths. Audiophile ELNA reservoir capacitors (2 × 15,000 µF) in the power supply. 4 Line level inputs and 2 tape in-/outputs with 1 copy and 1 monitor function for 3-head-decks. Optional audiophile full discrete phono board accepts both MM and MC cartridges. Continuous Power (FTC, 20 Hz - 20 kHz): 55 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 100 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 120 W/4 Ohms, 155 W/2 Ohms. High Current Capability: ±45 Amperes. Frequency Response (-3 dB): 0.5 Hz - 100 kHz.*

HK620 *High Current design with triple Darlington high speed output stage. Pure discrete components in signal path. Wide bandwidth and low negative feedback. Audiophile ELNA reservoir capacitors (2×12,000 µF) in the power supply. 4 Line level inputs and 2 tape in-/outputs with 1 copy and 1 monitor function for 3-head-decks. Optional audiophile full discrete phono board accepts both MM and MC cartridges. Continuous Power (FTC, 20 Hz - 20 kHz): 40 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 80 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 100 W/4 Ohms. High Current Capability: ±40 Amperes. Frequency Response (-3 dB): 0.5 Hz - 100 kHz.*

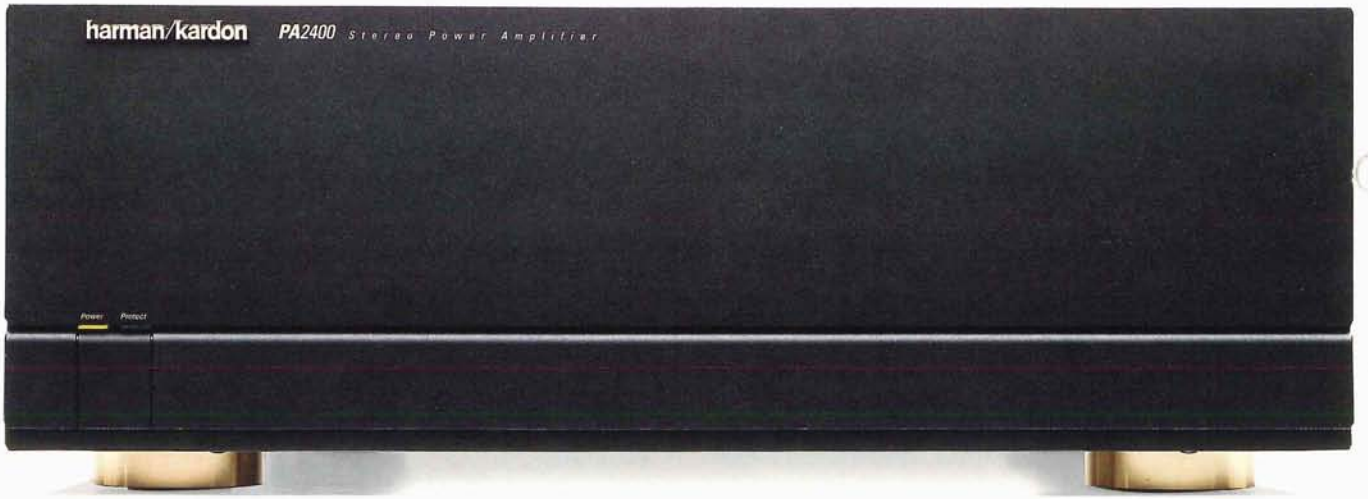
HK610 *High Current design with triple Darlington high speed output stage. Driver stage for best low impedance drive capability. Pure discrete components in signal path. Wide bandwidth and low negative feedback. Audiophile ELNA reservoir capacitors (2×10,000 µF) in the power supply. 4 Line level inputs and 2 tape in-/outputs with 1 copy and 1 monitor function for 3-head-decks. Optional audiophile full discrete phono board accepts both MM and MC cartridges. Continuous Power (FTC, 20 Hz - 20 kHz): 30 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 60 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 65 W/4 Ohms. High Current Capability: ±30 Amperes. Frequency Response (-3 dB): 0.5 Hz - 100 kHz.*



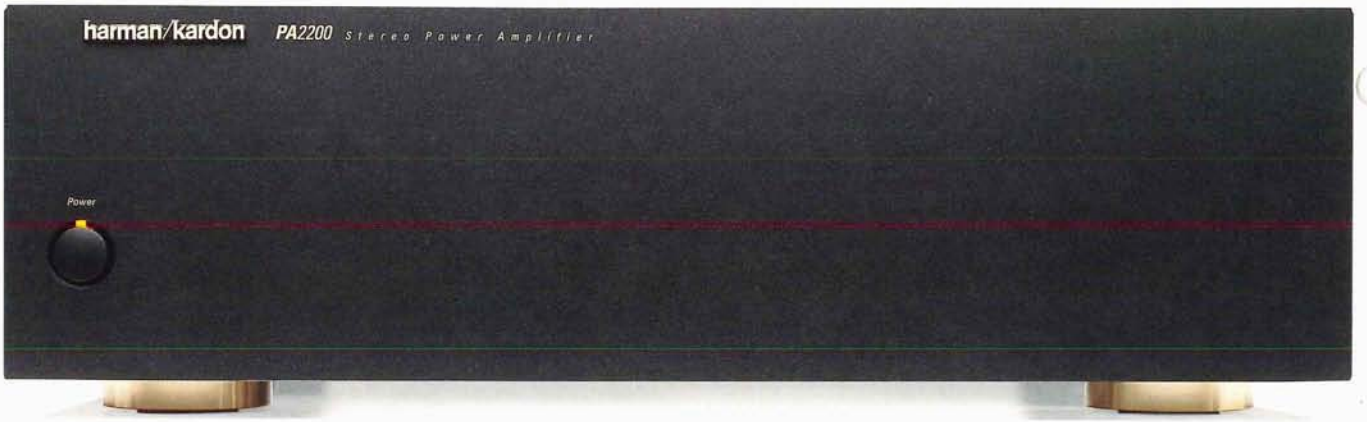
HK1400 *Pure discrete components in signal path. Very low feedback design (-12 dB). Input buffer with switchable gain (2 dB/12 dB) for lowest possible noise with various quality volume control (Alps). Shortest possible signal paths by controls with front-to-back shafts. Low inductance symmetrical circuit design reduces high frequency pick up noise to minimum. Triple semiconductor inverted Darlington output stage for lowest distortion irrespective of load conditions. Channel separated large reservoir capacitors (27,000µF) and rectifiers in low inductance power supply for improved low impedance drive. Sophisticated resetable protection circuit against voltage/current overload without sound degrading current limiting, fuses or too slow relays. Continuous Power (FTC, 20 Hz - 20 kHz): 40 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 78 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 75 W/4 Ohms, 105 W/2 Ohms. High Current Capability: ±45 Amperes. Negative Feedback: 12 dB. Frequency Response (-3 dB): 0.3 Hz - 250 kHz.*

HK1200 *Pure discrete components in signal path. Very low feedback design (-12 dB). Input buffer with switchable gain (2 dB/12 dB) for lowest possible noise with various signal sources. Sealed high quality volume control (Alps). Shortest possible signal paths by controls with front-to-back shafts. Low inductance symmetrical circuit design reduces high frequency pick up noise to minimum. Triple semiconductor inverted Darlington output stage for lowest distortion irrespective of load conditions. Low inductance power supply with 20.000 µF storage capability. Sophisticated resetable protection circuit against voltage/current overload without sound degrading current limiting, fuses or too slow relays. Continuous Power (FTC, 20 Hz - 20 kHz): 25 W/8 Ohms per channel. DIN output power (1 kHz, 1% THD): 48 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 55 W/4 Ohms, 70 W/2 Ohms. High Current Capability: ±30 Amperes. Negative Feedback: 12 dB. Frequency Response (-3 dB): 0.3 Hz - 250 kHz.*

AP2500 *All discrete, new low noise circuit topology. High grade Moving Magnet and Moving coil amplification with separate switchable inputs. High quality multi wiper volume contrtol. Ultrawide bandwidth and low feedback. Switchable 10 dB gain for ideal matching to high output signal sources as CD, for extremly low noise and high overload. All discrete headphone amplifier. 4 Line level inputs, 2 tape inputs. Tape copy and 2 tape monitor functions. 2 pairs of output jacks in order to facilitate biamplification.*



PA2400 *Ultra High Current output stage with 4 high-Ft output transistors in parallel per channel. All discrete components in the signal path. High grade audiophile capacitors with extremly low loss in the power supply and amplifier circuitry. Channel separated large reservoir capacitors and rectifiers in power supply for improved low impedance drive. Copper thread-cutting screws connecting critical grounding points to chassis guarantee lowest resistance. Ultrahigh Bandwidth and very low negative feedback. Bridgeable to 340W (FTC) into 8 Ohms. Standby mode and music sensor provides automatic turn-on and turn-off. Continuous Power (FTC, 20 Hz - 20 kHz): 2×120 W/8 Ohms, 2×170 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 150 W/8 Ohms, 270 W/4 Ohms, 440 W/2 Ohms. High Current Capability: ±100 Amperes. Feedback: 12 dB. Frequency Response (-3 dB): 0.1 Hz - 250 kHz. Slew rate: 280 Volts/µsec. Damping factor: >100.*



PA2200 *High Current output stage with 2 parallel high-Ft output transistors per channel. All discrete components in the signal paths. Channel separated large reservoir capacitors and rectifiers in power supply for improved low impedance drive. Carefully routed wires to reduce pick-up noise and crosstalk. Copper thread-cutting screws connecting critical grounding points to chassis guarantee lowest resistance. Bridgeable to 200 W (FTC) into 8 Ohms. Standby mode and music sensor provides automatic turn-on and turn-off. Continuous Power (FTC, 20 Hz - 20 kHz): 2×70 W/8 Ohms, 2×100 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 80 W/8 Ohms, 130 W/4 Ohms, 190 W/2 Ohms. High Current Capability: ±75 Amperes. Negative Feedback: 12 dB. Frequency Response (-3 dB): 0.1 Hz - 250 kHz. Slew rate: 125 Volts/µsec. Damping factor: >100.*

PA2100 *High Current output stage with high-Ft output transistors. All discrete components in the signal paths. High grade audiophile capacitors with extremly low loss in the power supply and amplifier circuitry. Carefully routed wires to reduce pick-up noise and crosstalk. Copper thread-cutting screws connecting critical grounding points to chassis guarantee lowest resistance. Ultrahigh Bandwidth and very low negative feedback. Sophisticated resetable protection circuit (voltage/current/temperature) without current limiting, sound degrading fuses or too slow relays. Bridgeable to 130 W (FTC) into 8 Ohms. Standby mode and music sensor provides automatic turn-on and turn-off. Continuous Power (FTC, 20 Hz - 20 kHz): 2×45 W/8 Ohms, 2×65 W/4 Ohms. Dynamic Power (IHF, 1 kHz burst): 60 W/8 Ohms, 100 W/4 Ohms, 125 W/2 Ohms. High Current Capability: ±40 Amperes. Negative Feedback: 12 dB. Frequency Response (-3 dB): 0.3 Hz - 250 kHz. Slew rate: 125 Volts/µsec. Damping factor: >100.*

HD7725 *Shielded audiophile RLS (Real Time Linear Smoothing) using selected 4 × 18 Bit/8 times oversampling Burr-Brown PCM61P D/A Converters of the highest Industry standard class "K". Pure discrete analog output section with low negative feedback. Low inductance geometry. 6 separate power supplies with special Audio Grade ELNA capacitors. Heavy gauge metal chassis. Music calendar. 30 track memories. Repeat track, CD, Program, A-B, Intro scan, program check, Index search (by remote control). Separate keys for Search and Skip with 2 audible speeds. Coaxial and optical digital outputs. Fixed and variable analog outputs. Motorized remote output control. Headphones output. 29 keys remote control with 10 direct access keys.*

HD7625 *Audiophile RLS (Real Time Linear Smoothing) using adjusted 4 × 18 Bit/8 times over-sampling Burr-Brown PCM61P D/A Converters. Pure discrete analog output section with low negative feedback. Low inductance geometry. 6 separate power supplies with special capacitors. Chassis damping and specially damped tray clamp to reduce vibration. Music calendar. 30 track memories. Repeat track, CD, Program, A-B, Intro scan, program check, Index search (by remote control). Separate keys for Search and Skip with 2 audible speeds. Coaxial digital output. Fixed and variable analog outputs. Headphones output. 27 keys remote control with 10 direct access keys.*

FL8300 *5 disc Front Loading CD-changer, Caroussel type. - CD's can be changed while playing another. 3D Bitstream D/A Converter. Heavy duty mechanical chassis to isolate transport from vibrations. Discrete output stage. Music calendar. Repeat modes (Track, A-B, CD, all CD's). Track memories of several CDs. Scan and Random functions of one/all CD's. Program check and delete (negative programming). Display dimmer. Manual and auto edit functions. Digital output (coaxial). Headphone output. Remote control.*

HD730 *Pulse density modulation improved 1 Bit Bitstream D/A converter. Pure high frequency sound without aliasing distortion, using high grade digital filters. Upgraded fully discrete analog output section. Digital servo mechanism. 2 colour FL display with music calendar and dimmer. Variable headphone output. Digital output (coax). Repeat track, CD, Program, A-B, Random play (3 modes). Program delete . Intro scan, program check. Tape edit functions (3 modes) with peak search. Synchro copy function with hk recorders. Separate keys for Search and Skip with 2 speeds. 28 keys remote control with 10 direct access keys.*

HD710 *Pulse width modulation 3D Bitstream D/A converter. Low distortions even with low level signals by best linearity of D/A converters. Pure high frequency sound without aliasing distortions, using high grade digital filters. Fully discrete analog output section. 30 track memory. FL display, switchable off. Variable headphone output. Digital output (coax). Repeat track, CD, Program, A-B, Random play. Intro scan, program check. Index search (by remote control). Separate keys for Search and Skip. Remote control with direct access keys.*

TU950 *Digital synthesizer RDS tuner with 30 FM/MW/LW preset memories. Switchable IF filters (narrow/normal) for best selectivity/ lowest possible distortions. Dual gate MOS FET front end for both high overload (cable) and sensitivity (antenna). Switchable antenna attenuator (12 dB) for best cable receiving. RDS system with PI, PTY search, CT, TP, TA, AF functions. Manual station name entry (8 elements). Shuttle wheel to select frequency, character, PTY and presets. 63 step RF signal level indication (in dB) with best resolution. Auto and manual preset scan. All parameters memorized on presets. Dimmer for display. HK system remoteable.*

TU930 *Digital synthesizer tuner with 30 AM/FM preset memories. Direct frequency entry. Highly effective pilot tone and subcarrier suppression. Low distortion with high selectivity by optimized IF filters and circuit design. Selected frontend for both high overload (cable) and sensitivity (antenna).*

HK3250 *Pure discrete components in the signal path. High current design with best low load drive capability. Wide bandwidth and low negative feedback. 8 speaker binding posts for 2 switchable pairs of speakers, matching banana plugs. 3 high level inputs, 2 tape in/outputs with 1× copy and 1× monitor functions. Pre-Outputs to drive separate power amp or active subwoofer. 1 switched AC outlet. Digital synthesizer tuner with 30 FM/AM presets and preset scan. Display dimmer and sleep timer (remote). System remote control with 10 direct access keys. Continuous Power (FTC, 20 Hz - 20 kHz): 40 W/8 Ohms, 65 W/4 Ohms. High Current Capability: ±20 Amperes. Frequency Response (-3 dB): 0.5 Hz - 100 kHz. Signal-to-noise ratio (CD, ref. rat. pow.): 92 dBA.*

TD470 *Dolby* B/C and S noise reduction for highest dynamic range. Closed loop Dual Capstan Transport for lowest wow and flutter. 3-head-technology with auto monitor function. High rigid/high dynamic Isotropic heads, selected for best frequency responses. Pure discrete playback amplifier. Bias internally adjustable for each channel and tape. High grade horizontal 3 motor mechanism for improved tape transport. Cassette stabilizer to absorb vibration. Dolby* HX Pro. Bias fine trim. 12 segment LED peak indicating wide range meters (-35 to +8 dB). MPX filter switch. Digital realtime counter also for fast forward/rewind. Multi track music search with separate keys. Intro scan. Auto 0-Stop memory (remote control). Synchro copy with HK CD-player. Separate remote control.*

Frequency Response, @ -20 dB: 20 Hz - 20 kHz ±3 dB with all tapes. @ 0 dB, Dolby C or S: 20 Hz - 20 kHz ±3 dB with Metal tapes.

TD450 *3-head-technology with auto monitor function. High rigid/high dynamic Isotropic heads (amorphous material). Pure discrete playback amplifier. High grade horizontal 3 motors mechanism for improved tape transport. Cassette stabilizer to absorb vibration. Dolby* HX-Pro and B/C noise reduction. Bias fine trim. 12 segment LED peak indicating wide range meters (-35 to + 8 dB). MPX filter switch. Digital realtime counter also for fast forward/rewind. Multi track music search with separate keys. Intro scan. Auto 0-Stop memory (remote control). Synchro copy with HK CD-player. Separate remote control.*

Frequency Response, (@ -20 dB): 20 Hz - 20 kHz ±3 dB with all tapes. (@ 0 dB, Dolby C): 20 Hz - 20 kHz ±3 dB with Metal tapes.

TD420 *Pure discrete playback amplifier. High grade horizontal 3 motor mechanism for improved tape transport. Cassette stabilizer to absorb vibration. Dolby* HX-Pro and B/C noise reduction. Bias fine trim. 12 segment LED peak indicating wide range meters (-35 to +8 dB). MPX filter switch. Digital realtime counter also for fast forward/rewind. Multi track music search with separate keys. Intro scan. Synchro copy with HK CD-player.*

Frequency Response, (@ -20 dB): 20 Hz - 20 kHz ±3 dB (Metal tape). (@ 0 dB, Dolby C): 20 Hz - 18 kHz ±3 dB (Metal tape).

HIGH FIDELITY
AUDIO/VIDEO
SURROUND SOUND
'96/97

harman/kardon