



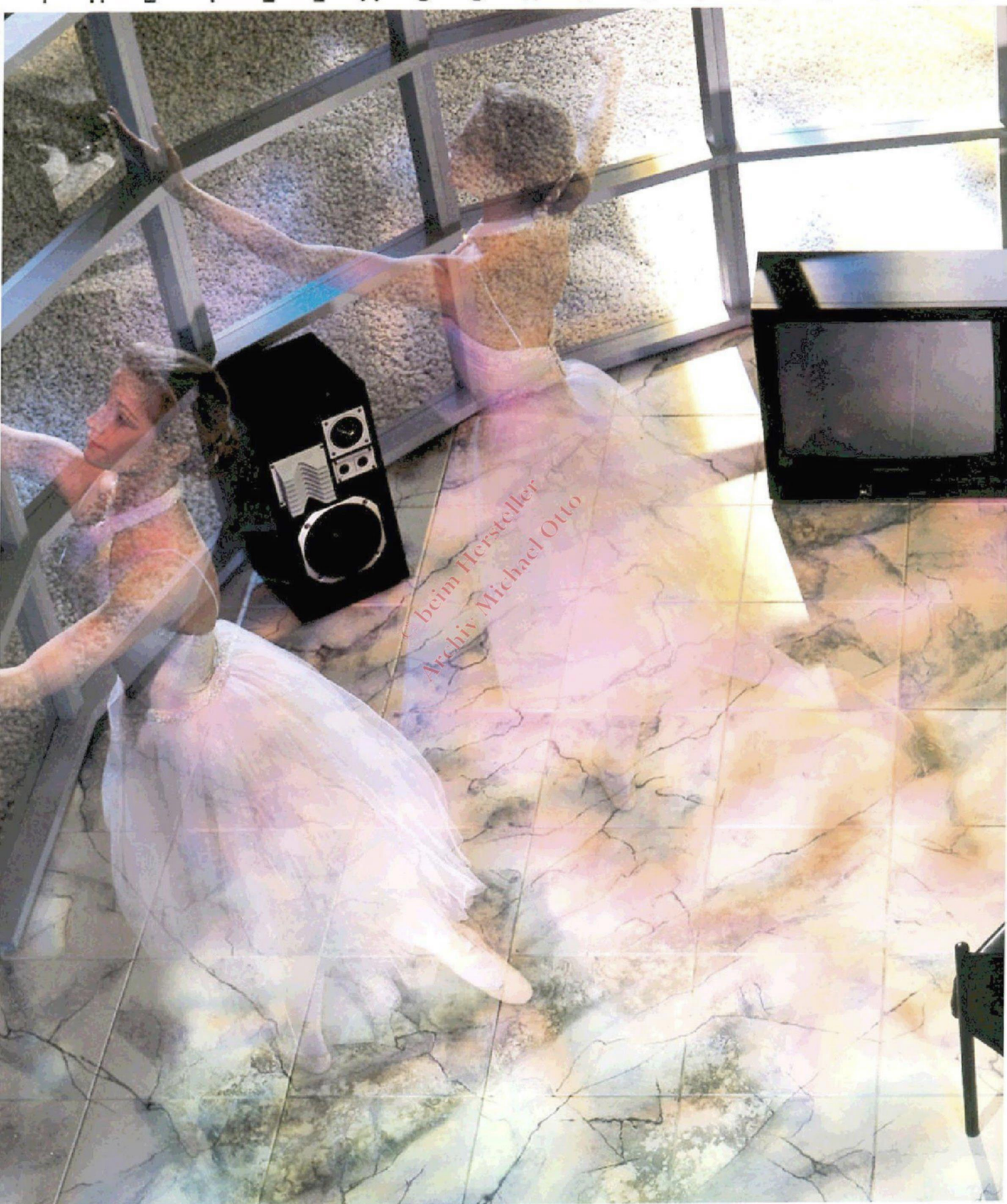
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T E C H N O L O G Y

T H E P L E A S U R E O F A U D I O



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Archiv Michael Otto

To Marantz, audio/video means the integration of high quality pictures and sound, answering the demands of today's revolution in home entertainment.

V I D E O

Hi-Fi



C D V I D E O P L A



CV 55

CD VIDEO

Compact Disc Video (CDV or CD Video) is the marriage of quality video pictures from disc with digital Compact Disc sound. CDV gives the video the sound quality it has always deserved with the programming and access convenience already enjoyed by every CD

user. CD Video is available in three sizes of disc. Each offers different facilities and playing time. Smallest is the 12cm (5inch) disc — the familiar CD size but in unfamiliar gold. This disc has the capacity to store a 6-minute video with digital sound plus 20 minutes of digital audio. The 20cm (8inch) disc will replay up to 40 minutes of video with digital sound. A double-sided 30cm (12inch) disc has a 120-minute playing capacity. The Marantz CV 55 will play all these discs and also any existing 75-minute audio - only Compact Disc or 20cm or 30cm analogue LaserVision disc. Full compatibility with existing and planned CDV software is thereby guaranteed. A true CD compatible CD Video player the CV 55 will play both the

new 8cm (3inch) CD single (with adapter) and all existing 12cm (5inch) CD software. Marantz has used the knowledge gained with its award-winning CD players to design a CD Video player with outstanding sound and picture quality. The CV 55 uses a full four times oversampling 16-bit chip set. For the best sound quality the digital audio circuit is isolated from all other video and power supply circuitry.

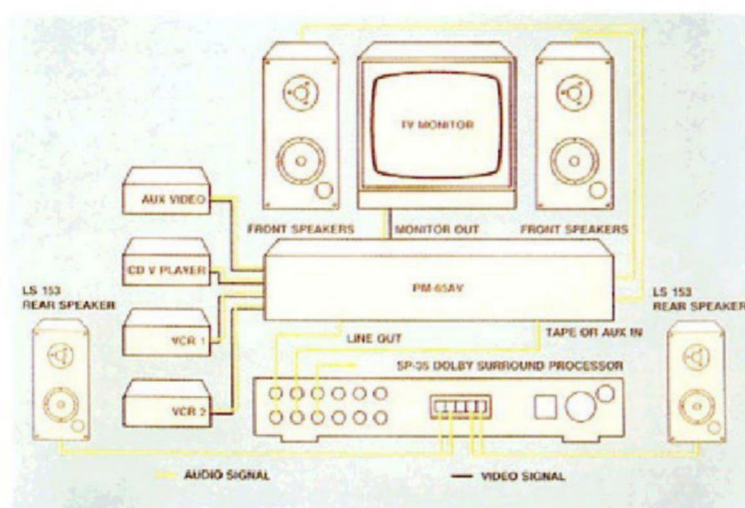




As with its CD players, Marantz puts great store in the ability to track the digital information accurately. Digital servo control is used with a special servo tilt control and radial tracking coil to compensate for any off-centre or warped disc. Programming is via the television screen or front panel display. The CV 55 offers random memory programming by Chapter, Frames or Time for video playback with a capacity of 20 video chapters or audio tracks. A two-speed stepping motor combines accurate tracking with fast access. Track and Chapter Skip forwards and back is offered. Still and Step Frame, Multi-Speed replay (forward and reverse) features are also available with active (CAV) videodiscs. The CV 55 can be used with either TV sets or television monitors. A Scart (Euroconnector) socket gives both composite video and RGB for best picture quality. Direct connection to a TV can be made through the RF socket.

AMPLIFICATION

The PM 65AV makes an ideal partner for the CV 55 CDV player. The video output stage of the PM 65AV has been designed to permit long cable sets to be used between the television monitor and amplifier making the domestic arrangement of the equipment so much easier. For convenience an RCA cinch output socket carries a signal that will switch an appropriately equipped (Scart)



television to monitor status. With its separate power supplies the PM 65AV is designed to make the very best of both audio and video signals. Discrete video buffer amplifiers are used to increase the S/N ratio. The result is better sound quality with lower noise. Dedicated AV sound features help restore life to poorer video sound. AV1 Music boosts frequencies below 50Hz to give added bass weight to music video. AV2 Movie boosts below frequencies 200Hz to give presence to the sound from feature films. Sockets are provided for a Dolby Surround processor to decode the cinema-type surround sound from Dolby Stereo encoded feature film sound tracks.

CV 55

- CD compatible CD Video player — plays both 3 and 5 inch CD
- CDM6 mechanism with fully automatic loading for all CD and CDV discs
- Remote control
- Four times oversampling with 16-bit chips for quality sound
- Scart output with composite video and RGB for best picture quality
- Digital output
- On-screen display for programming and status
- Chapter, frames and times programmable for video playback with memory for up to 20 tracks or chapters
- Track and Chapter Skip forwards and back
- Still and Step Frame, Multispeed replay forward and reverse with active videodiscs (CAV)
- RF connection for direct connection to a TV

PM 65AV

- 2x75W RMS into 8 Ohm from triple-layer MESA power transistors
- Totally independent video and audio input circuit boards and power supplies
- Discrete video buffer amps to increase S/N on each input
- AV sound switch
- Can be used with long cable sets
- Dolby Surround Sound in and out sockets

SP 35

- Dolby Surround processor with variable time delay
- 2x30W (EIAJ) built-power amplifier
- Matrix effects for stereo enhancement
- Spatial stereo for enhancement of mono sources
- Connection for HP1DB Surround Sound headphones

CV 55 PM 65AV SP 35



A U D I O P H I L E A M P L I



PM 65AV

LINEAR DRIVE POWER SUPPLY

The specifications may say 8 Ohm. But loudspeakers do not, by their very nature, present a static load. Loudspeaker impedance changes with frequency. And as the music changes, the load on the amplifier is varying all the time. The ideal amplifier holds its voltage constant

irrespective of the changing impedance of the loudspeaker. In this way current has to vary. But to achieve this the amplifier needs a power supply with a very low impedance from which it can draw its energy. This low impedance has to be kept low across the entire bandwidth through which the amplifier is operating. The Marantz Linear Drive Power Supply (LDPS) is the answer. The LDPS creates a low impedance wide-bandwidth DC power supply for the power amplification stages. This ensures tonal and dynamic fidelity even into difficult loudspeaker loads.

Amplifier protection circuits present problems to

the audio designer. Protection can sometimes spoil the sound of the amplifier it is meant to be protecting — robbing the sound of dynamics and contrast. Marantz amplifiers do not use current limiting protection. Instead Marantz protection senses Direct Current, abnormal temperature changes and short circuits — protecting only when protection is needed.



BLOCK DIAGRAM OF PM 65AV

VIDEO FOR AUDIOPHILES

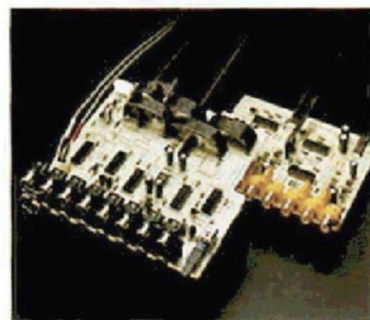
The PM 65AV brings together a true audiophile amplifier and an elaborate video switching unit in one box. Many so-called AV amplifiers sacrifice audio quality for convenience. Not so the PM 65AV. Compact Disc Video offers a high horizontal resolution of 400 lines. To maintain this quality of signal on its way through the amplifier to the TV monitor great care has to be taken in the design of the video circuit. The video amplifier circuit boards for example have been specially developed and are made from high quality polyester. The video buffer amplifiers have been designed around discrete components — off-the-shelf chips will not preserve signal quality. This care in design improves video cross-talk by 10dB. An electronic switch also operates in the video buffer whenever the audio stage is used. This cuts out the wire connections that could radiate noise from the video circuits into the audio stage. For improved stereo imaging and dynamics the amplifier has been designed with totally independent video and audio input circuit boards. And independent power supplies for both the audio and video circuitry.

SPEED

The 'speed' of an amplifier relates closely to its ability to produce dramatic swings in sound level, believable dynamics and stereo imagery. This aspect of performance is related to both the design of the input stage and the choice of output devices. Conventional amplifiers ordinarily use several stages of differential amplification. This arrangement offers greater stability but produces a low 'speed' amplifier. In the PM 65AV the pre-driver current is increased to twice the value found in equivalent amplifiers. This gives the amplifier



REAR PANEL OF PM 65AV



VIDEO BUFFER

high-speed music reproduction and gets the very best out of its bipolar power transistors. The PM 65AV has the same simple audiophile input switching arrangement — CD Direct — enjoyed by the top-flight audiophile amps. It is built with the same care over component selection.

Non-magnetic copper shielded screws and copper-plated fixings are used to anchor the power transistors. Even the heat sink is damped with Urethane to cut out distortion from mechanical vibration. The PM 65AV can take on any audiophile amplifier. Though packed with video features the audio side of the PM 65AV design was considered good enough as the design basis for the audio-only PM 55. The PM 55 shows the same careful attention to detail. Power output is a healthy 65W; the PM 55 offers an alternative to the PM 65AV where video switching and a recording selector are not required but good sound is.

PM 65AV

- 2x75W RMS into 8 Ohm from triple-layer MESA Power transistors
- Totally independent video and audio input circuit boards and power supplies
- CD Direct short-path 'passive connection for CD1 input
- Nine inputs with independent recording selector for unattended recording
- Muting switch and connections for AV sound processor
- Drives two pairs of loudspeakers
- Gold-plated sockets on Phono, the two CD inputs
- LDPS — Linear Drive Power Supply
- HR — High Resolution circuitry

PM 55

- 2x65W RMS into 8 Ohm from triple-layer MESA Power transistors
- Connections for AV Surround Sound processor
- Moving coil phono input
- Tape 1 to Tape 2 dubbing
- LDPS — Linear Drive Power Supply
- HR — High Resolution circuitry

PM 55



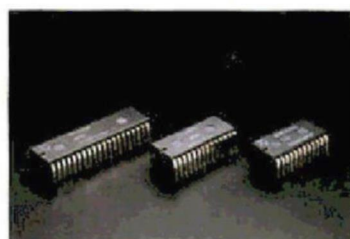
C O M P A C T D I S C P L A





CD 75II

The CD 75II Compact Disc player is a much improved version of the popular award winning Marantz CD 65/75 model. This player offers a sound quality that has set a standard against which other players are judged. To this is added full remote control and the convenience of Favourite Track Selection. High-performance low distortion digital-to-analogue converter chips are used with four times oversampling and Marantz digital filtering. Independent power supplies ensure that no digital noise reaches the analogue output stages. Treble delicacy or detail is retained that can often be lost when the servos that ensure accurate tracking of the disc operate. The power supplies guarantee tight bass control. Direct access is given to 99-tracks with a 20-step memory which can be programmed by track, index point or time. The CD 75II has both fixed and variable level outputs (phono).



VLSI'S FOR 16-BIT 4 TIMES OVERSAMPLING DIGITAL FILTER

CD 75II

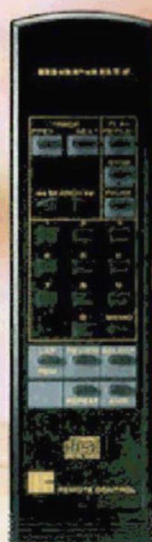
- Twin 16-bit DAC with four times oversampling and digital filtering
- Three separate power supplies for mechanical, digital and analogue audio stages
- Fully floating die-cast laser mechanism
- Favourite Track Selection
- Full remote control
- Optical and electronic digital output
- Headphone output with independent level control

CD 65II

- Twin 16-bit DAC with four times oversampling and digital filtering
- Three separate power supplies for mechanical, digital and analogue audio stages
- Fully floating die-cast laser mechanism
- Remote control
- Electronic digital output
- Headphone output with independent level control

CD 65II

The best value is offered by the CD 65II which shares the same critically well-received sound quality of the CD 75II. Whereas the CD 75II has both optical and electronic digital outputs the CD 65II has only an electronic output. Both players are offered with remote control but this provides only basic play and search functions on the CD 65II. The CD 75II additionally offers remote programming and volume control.



CDM 1 II DIECAST MECHANISM

A M P L I F I E R, T U N E R,

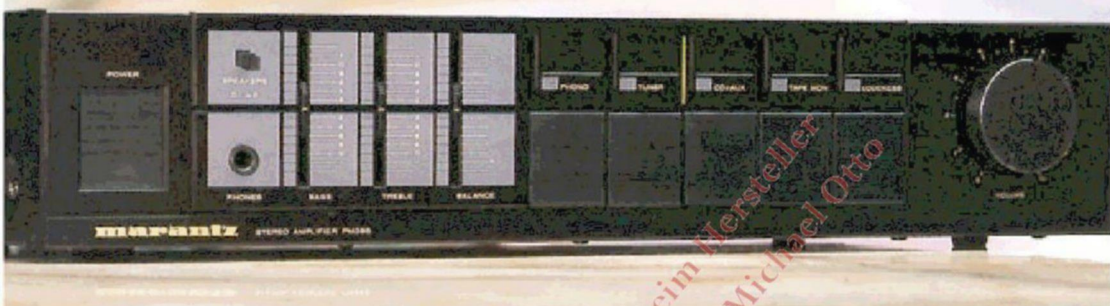
PM385

This inexpensive amplifier uses discrete output transistors capable of driving low impedance loads and delivering high dynamic power. Discrete transistors are used, rather than the more

common integrated circuits found in competing budget amplifiers, to give a cleaner, less aggressive sound. The PM385 can deliver all the punch and dynamics of modern CD recordings. Four audio sources can be switched (including CD and Video). Treble,

bass and balance controls are all easy-to-use vertical sliders. A headphone socket is provided on the fascia while two independent loudspeaker systems can be operated and selected from a front panel switch.

- 2x40W RMS DIN into 8 Ohms with high dynamic power capability for reproduction of wide-range CD dynamics
- Low impedance drive capability to give the best possible reproduction with a wide range of loudspeakers
- Discrete output transistors mean less aggressive, glare-free sound
- Inputs for four sources including CD
- Two switchable speaker systems



ST385

This three-band tuner with quartz precision tuning and a low distortion high sensitivity FET front end uses the same custom built IF filters as the most expensive models in the range. These filters give precise phase linearity for pure sound with crisp stereo

imagery. The FET front end provides high selectivity for crowded reception conditions with low noise and low distortion performance. The ST385L is a high value for money tuner with auto tune convenience, presets on all bands, favourite station

memory and memory back-up in case of mains power failure. Signal strength, stereo and Auto/Manual mode indicators are featured. A fluorescent display gives indication of received frequency and the chosen waveband.

- Precision Quartz synthesizer tuning over three wavebands - FM, Medium Wave and Long Wave (AM)
- 8 FM and 8 AM presets with last station memory and memory backup for at least one month
- Low noise FET front end
- Linear phase IF filters



C A S S E T T E D E C K S

SD585

This full logic controlled double reverse recording cassette deck allows parallel or continuous recording for up to 3 hours (C-90). The SD585 has quick photosensed auto reverse to give

switching from one direction of replay and record immediately. Two speed dubbing is possible for quick tape to tape transfer. Random programme dubbing — making up a copy tape from a selected programme taken from a master tape — is possible for up to 16 tracks. The recording deck

will wait in pause mode until the right track is found for recording in the desired order. To give the best quality recordings the SD585 has both Dolby B and C noise reduction systems. Mike mixing and timer standby for unattended recording make the SD585 the last word in performance.

- Full logic reverse recording deck with quick photosensed auto reverse
- Continuous playback
- Parallel recording or continuous recording up to 3 hours and two-speed dubbing
- Dolby B and C noise reduction
- Microphone mixing
- Timer Standby
- 16-track dubbing or playback memory
- Quick Music Search (15 tracks)



SD385

This quality twin cassette deck has independent DC servo motors for each transport. Featuring auto-reverse the SD385 offers quality high speed dubbing and

continuous replay up to 3 hours (using two C90 tapes). Dubbing is made easier by the one-operation soft-touch transport. Timer standby operation is convenient

for unattended recording. Dolby B and C noise reduction systems are provided for widest compatibility.

- Auto-reverse double deck with high speed dubbing and continuous play
- Soft touch transport with independent motors
- Dolby B and C
- Quick Music Search
- Timer standby



SD285

This twin cassette deck matches the quality and reliability of the SD385. The SD285 brings the

convenient operating feature of the more expensive deck down to a budget price. Synchronized

one-touch dubbing, high speed dubbing and continuous play are offered.

- Twin soft touch mechanisms with independent motors
- High speed dubbing
- Dolby B and C
- Quick Music Search
- Timer standby



T U R N T A B L E S, E Q U A L I Z E R

TT275

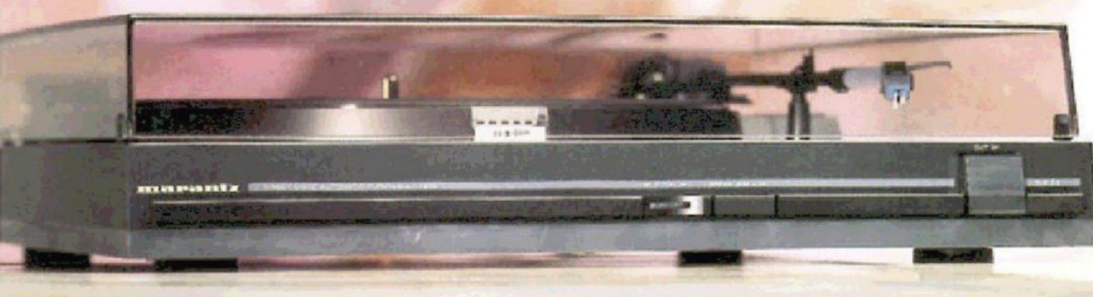
The TT275 is a convenient top performance direct drive turntable with stroboscope and pitch

control. The turntable can be operated with the cover closed. A low-mass arm with T4P mount

cartridge gives easy upgradability with fuss-free alignment and stylus replacement. The high-compliance feet and flat platter

mat on this turntable improve tracking and reduce problems from feedback. This gives cleaner, more stable sound.

- Direct drive with stroboscope and pitch control
- Front operation with cover closed
- Straight low-mass arm for better tracking
- Easy replacement and alignment with T4P cartridge mount
- Die-cast aluminium platter with flat heavy mat
- High compliance feet



TT185

The TT185 is a slim-line budget semi-automatic turntable. Operating controls are on the

outside so the arm can be cued or lifted with the cover closed. The low-mass straight arm on the

TT185 accepts T4P plug in cartridges. The T4P system gives easy alignment and quick stylus replacement.

- Belt drive with servo controlled motor
- Low-mass arm for improved tracking
- T4P cartridge mount ensures wide compatibility and easy stylus replacement
- Heavy platter with flat mat
- High compliance feet cut out feedback



EQ551

Marantz equalizers help you overcome difficult combinations of room and speakers. With its built-in pink noise generator and the supplied microphone the EQ551 equalizer/spectrum analyser has everything to help you check out the acoustics of the listening room. The left and right channels can be 'shaped' independently for best results. The EQ551 makes it

possible directly to compare the unaltered and processed signals at the flick of a switch. A tape monitor duplicates the amplifier tape monitor facility and gives instant checking of equalized signals from three-head tape recorders. The EQ451 offers the same frequency shaping controls as the EQ551. This high-value package will appeal to users who

have no need for the microphone input, pink noise generator, input attenuator or decay time switch. The EQ351 offers many of the features of the EQ551/451 but leaves out the pink noise generator and spectrum analyser. As a 10-band equalizer it offers outstanding value.

EQ551

- 12dB cut or boost on 10 frequency bands
- Independent left and right channel control
- Clear 10-band fluorescent display
- Built-in pink-noise generator and supplied microphone give real-time analysis of full spectrum

EQ451 **not shown.

- 12dB cut or boost on 10 frequency bands with independent left and right channel control
- Inputs for two tape decks with tape copy
- EQ level control

EQ351

- 12dB cut or boost on 10 frequency bands with independent left and right channel control
- Clear 10-band fluorescent display



S, P O R T A B L E T A P E D E C K S



CP430 CP230

PORTABLE TAPE DECKS

Marantz portable stereo recorders are the choice of professionals and dedicated amateur tape recordists the world over. The latest portables are lighter than ever. This has been achieved by the use of external mains power adaptors. A choice of noise reduction permits top-quality location recording. These machines have the features and facilities of high-specification domestic cassette decks backed by sturdy portability. The controls are designed for quick and easy operation. Revised Digital Ready input stages now offer much improved dynamic headroom. Mechanically, the transports have been improved for even lower wow and flutter.

The two-head CP230 features the same balanced transport mechanism used in the CP430. A high value portable, the CP230 features all the facilities of the more expensive CP430 though it has Dolby B noise reduction only. Clear meters and an uncluttered control layout make the CP230 a delight to use on location recording. An internal speaker makes location monitoring so much easier.

The EM 8 single-point stereo microphone is an ideal choice for use with the CP230 or CP430 portables. This uni-directional microphone has a wide frequency response (100Hz to 17kHz).

The RB430 replaces the three HP2 batteries used by the CP portables. Automatically recharging whenever the portable is connected to the mains, this re-chargable battery pack will save its own cost time and again.

CP430

- Three heads for off-tape monitoring
- Anti-roll tape transport with micro-grain capstan for lowest wow and flutter
- Dolby B and dbx noise reduction
- Metal tape compatible
- Comprehensive microphone inputs
- Built-in loudspeaker

CP230

- Anti-roll tape transport with micro-grain capstan for lowest wow and flutter
- Dolby B noise reduction
- Metal tape compatibility
- Built-in loudspeaker with channel select
- Cue and review with sound

EM 8

- One point stereo microphone with 100Hz to 17kHz response

RB430

- Convenient re-chargable battery pack

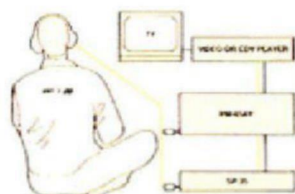
M A R A N T Z H O M E C I



SP 35 PM65AV LS153 HP10B

THE HOME CINEMA AND DOLBY SURROUND SOUND

Today's video recorder offers features, picture and sound quality undreamed of just a few years ago. Extended play, audio only recording to true hi-fi standard, picture-in-picture and digital special effects are just the beginning. Dolby Surround is the domestic equivalent of the Dolby Stereo system installed and enjoyed in major cinemas. When CD Video discs or video tapes with Dolby Stereo sound-tracks are replayed Dolby Surround can recreate the space, impact of 'cinema sound' and bring full cinema experience into the home. In the cinema the dialogue comes from the front left, right and centre channels with music and sound effects reproduced all around by the use of multiple speakers on a rear channel.



CONNECTION SCHEME



SP 35

The SP 35 Dolby Surround processor can decode the cinema Dolby Stereo sound-track. With its rear 30W (EIAJ) amplifier the unit can recreate the all-involving atmosphere of the cinema at home. A variable time delay enables the surround sound to be adjusted for any room. In addition the SP 35 can enhance conventional stereo and mono sources adding a new quality to mono TV and video sources. This processor will drive HP1DB Surround headphones and is designed to match the PM 65AV Audio Video amplifier.

HP1DB

These special four-driver headphones are designed for the personal enjoyment of Dolby Surround effects. High-energy magnets give clean, powerful sound. These headphones are simply connected. The PM683 Master Amplifier for example has dual connections to feed these headphones from its built-in Dolby Surround processor.

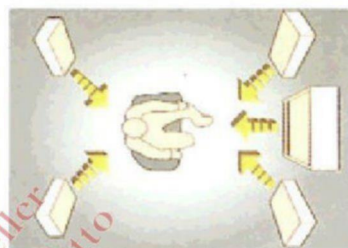
LS153

Rear Dolby Surround channels do not carry a full bandwidth of information. The rear speakers only have to reproduce the lower frequencies. A mechanical two-way driver permits the speaker to be small and flat. Use the LS153 to create cinema sound effects or to enhance ambience.

MV685

The MV685 is a three-head two-speed high resolution VHS VCR additionally offering 8 hours of HiFi quality audio recording. Four stage HQ+ (High Quality) picture improvement circuits give one of the finest pictures. The dynamic performance of the audio portion of the video signal has also been

improved — more impact from film soundtracks. Playback features include 5 and 9-times speed search, frame by frame step, variable slow speed forward and reverse, fast replay and perfect noise-free still frame. The timer can handle 8 events up to 31 days in advance or can be switched to record 8 events daily or weekly. One Touch Timer Recording gives immediate time-limited recording. The MV685 has a clear display with continuous clock readout but also gives full on-screen display. Electronic tuning is quick with Automatic Fine Tuning; a built-in test signal makes installation and adjustment easy. The MV685 can memorize 48 stations. An LCD infra-red transmitter remote offers programming and transmission of 8 timer blocks.



DOLBY SURROUND REPRODUCES CINEMA-TYPE SOUND IN THE HOME

MV885

The MV885 is an advanced four-head Hi-Fi Video recorder with a digital picture memory offering 8-hours of stereo recording and replay. In addition to the playback features offered by the MV685 the MV885 can boast full picture-in-picture. TV Channel Search scans all channels and places the three previously received channels into freeze frames in the corner of the screen. The digital store can freeze a video picture in a live TV picture or vice versa. Digital Strobing allows 'frozen' pictures to

be cycled or even rotated around the screen. Digital still and frame advance gives perfect picture quality without noise bars or blurring.

SP 35

- Dolby Surround processor with variable time delay
- 2x30W (EIAJ) built-in power amplifier
- Matrix effects for stereo enhancement
- Spatial stereo for enhancement of mono sources
- Connection for HP1DB Surround sound headphones

HP1DB

- Surround sound headphones
- Four-driver construction with high energy magnets

LS153

- Wall or stand mounted flat single unit Surround speaker
- Compatible with 10-30W amplifiers

MV685

- High resolution three-head VHS VCR with LCD transmitter remote control
- Eight hours audio recording and playback with true hi-fi sound
- Eight events up to one year in advance or eight events Daily/Weekly
- 3x and 7x forward search, 1x and 7x reverse search, still picture, slow speed, step by step.
- Direct access to major deck functions
- One-touch Timer Record (OTR)
- On-screen display (OSD)
- Index Search and Go To functions

MV885

- Digital memory four-head stereo Hi-Fi VHS VCR with LCD transmitter remote control
- Eight hours audio recording and playback with true hi-fi sound
- Eight events up to one year in advance or eight events Daily/Weekly
- Digital picture memory for special effects 2x, 5x and 9x forward and reverse search, variable 1/5 to 1/30 forward and reverse slow speed
- Direct access to major deck functions
- One-touch Timer Record (OTR)
- On-screen display (OSD)
- Picture-in-Picture (PIP)
- Index Search and Go To functions
- FST tuning for 120 channels
- 99 station presets and Automatic Fine Tuning

MV885



MV685



A U D I O V I D E O S Y



MX 683

AUDIO/VIDEO MIDI SYSTEM

The MX683 system is the exciting future of home entertainment. At the heart of this system is a fully equipped Audio/Video amplifier. Quality video sound from broadcast, disc or tape sources can be enjoyed along with audio tape, disc, radio and Compact Disc. Ready to accept CD Video and DAT signals, this system can also bring the thrills of the cinema into the home with Dolby Surround Sound.

ST673 TUNER

This FM/AM tuner features drift-free quartz locked tuning. Station preset memories are remembered even if the power fails. Automatic scan gives quick, easy location of stations while manual tune and a signal strength indicator help bring in harder to receive stations. The tuner offers one-touch connection to the PM683 Master Amplifier.

PM683 MASTER AMPLIFIER

At the heart of the audio/video system, the 3x70W (EIAJ) PM683 offers comprehensive switching for all components in the MX683 system and additional audio and video inputs for TV, a CDV player and two video recorders (one with full monitoring). Dedicated amplifier channels (left/right front, rear surround) are provided to take full advantage of Dolby Surround Sound. This can be derived from suitable software reproduced by any Hi-Fi VCR (or CDV player). A seven-band graphic equalizer with spectrum analyser gives wide creative control over sound balance. An Acoustic Memory keeps track of Surround mode, equalizer settings, volume and balance.

SD873 CASSETTE DECK

The SD873 is a twin deck offering high-speed dubbing. Sequential play and automatic reverse give extended continuous play. Full logic control gives Blank Skip, Compu Skip, Blank Search, Intro Scan and Auto Replay features. Dolby B and C noise reduction systems are offered. Tape bias and equalization is set automatically as is recording level. Features an accurate four-digit electronic tape counter.

CD883 CD PLAYER

The CD883 features the same advanced chip set and fully floating mechanism as the top-of-the-range Marantz CD players. The CD883 gives direct access to 99 tracks through a keypad on remote and has a 20-track



REAR PANEL OF PM683

memory. Automatic Music Search plays the first 10 seconds of each track; random Shuffle play is also featured. An 8-digit display gives full track index and time information. All MX683 system components are under full remote control through the Marantz digital BUS connection.

RC 73 DIGITAL BUS REMOTE CONTROL COMMANDER

This infra-red remote gives independent control with all the MX683 components yet allows for system upgrading. Special features like Surround Sound, Acoustic Memory and the Graphic Equalizer can also be controlled.

TT873

- Fully automatic belt-drive with linear tracking low-mass tonearm
- Synchronizing output to SD873 cassette deck

ST673

- FM/AM quartz synthesized tuner with 16 FM and 8 AM preset memories with memory backup
- Large clear FL display

PM683

- 3x70W (EIAJ) power — dedicated amplifier for two front stereo and rear surround channels
- Extensive switching for audio inputs (tuner, CD, phono, and tape monitor) plus audio and video inputs for TV, CDV and two VCRs (one monitor)
- Seven band graphic equalizer with spectrum analyser

- Dolby Surround Sound to recreate involving cinema sound when videos or CDVs with Dolby Stereo sound-tracks are played
- Acoustic memory
- Timer function with switched outlets for CD and turntable; sleep function and one-touch timer recording
- Recording mode selector

SD873

- Twin logic decks with automatic sequential play and auto reverse
- Logic transport for Skip Scan and Replay functions
- Dolby B and C noise reduction systems
- Automatic tape sensing for bias and equalization
- Automatic recording control

CD883

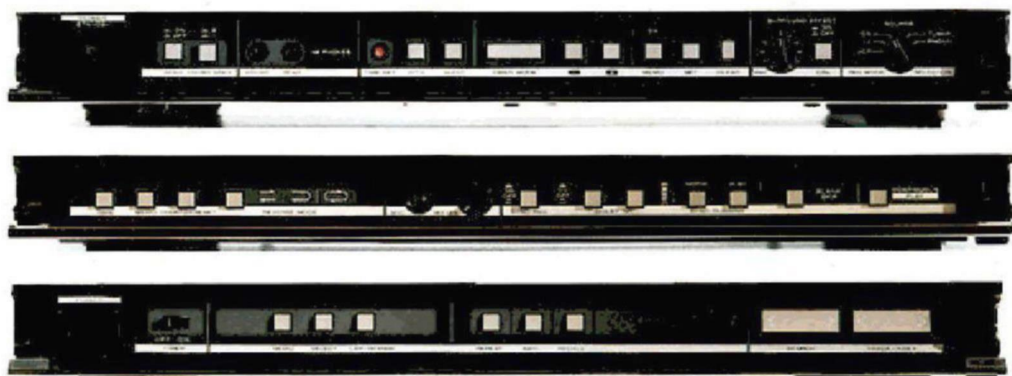
- Twin 16-bit DAC with four times oversampling and digital filtering for finest sound
- Fully floating transport and independent power supplies
- 20-track memory and direct access to 99 tracks
- Automatic Music Search
- Timed Passage Play

RC 73

- Full audio/video remote control for all MX683 components and with unlimited upgrading capability
- Surround Sound control
- Acoustic Memory recall
- Graphic equalizer control
- Master volume and balance; power on/off and Standby

TT873 TURNTABLE

This fully automatic turntable can be operated from its front controls with the lid closed or under full remote control. It features automatic sensing of disc size. A servo-controlled belt-drive deck the TT873 has a linear tracking tonearm for error-free tracking. The turntable can be synchronized to start the SD873 cassette deck recording as the stylus touches the record.



INSIDE FLAP (PM683-SD873-CD883): CONTROLS

PM683

SD873

CD883

A U D I O V I D E O S Y



MX583

AUDIO/VIDEO MIDI SYSTEM

Like the MX683 system, the MX583/483 systems are advanced Audio/Video systems featuring fully compatible Marantz components. Stylish, well-designed and, importantly, easy-to-use packages the MX583/483 systems can offer full remote control of all components through the Marantz digital BUS.

MX583

TT483 TURNTABLE

A semi-automatic belt-drive turntable with a servo controlled DC motor, the TT483 features a low-mass straight arm with a T4P mount magnetic cartridge for easy stylus replacement and upgrading. Front controls allow the turntable to be operated with the lid closed.

ST583 TUNER

An FM/AM tuner with drift-free synthesizer tuning and station presets (16 FM 8 AM). Automatic scan tuning gives quick and easy location of stations. A clear 7-digit fluorescent display gives details of the received frequency, station preset, a tuned indicator and stereo beacon. This tuner offers one-touch connection to the PM583 Master Amplifier.

SP493

The entire system can be controlled by signals carried on the Marantz Digital BUS. The coded signals are targeted to just the relevant component. A single 39-key handheld infra-red commander can operate the entire system.

HD583*

This three-way speaker gives powerful bass extension and sweet highs from the 200 mm bass driver, 57 mm midrange driver and 20mm tweeter. The three-way high sensitivity sealed-box and 70W (EIAJ) power-handling ensure this speaker gets the best from the MX system quality sources and high dynamic power of the master amplifier.

PM583 MASTER AMPLIFIER

The switching centre and power house of the MX583/483 systems. The PM583 will also accept inputs from a video recorder, a CDV player and a television monitor. A seven-band Spectrum Analyser is coupled to a seven-band EQ Level display. An Acoustic Memory remembers favoured settings of Surround mode, equalizer, volume and balance. The PM583 offers

system-wide remote through the 41-key RC 53 remote commander. The remote controllable motorized volume control also operates the rear volume for connection to the soon to be launched matching SP493 Dolby Surround unit.

SD583 CASSETTE DECK

The SD583 twin deck offers highspeed dubbing, sequential play and automatic reverse for extended continuous play. Full logic control gives Blank Skip, Compu Skip, Blank Search, Intro Scan and Auto Replay features. Dolby B and C noise reduction systems are offered. Tape bias, equalization and recording level are automatically set. Features a mechanical tape counter.

CD583 CD PLAYER

This Compact Disc player is built around the same 16-bit DAC with the same four times oversampling and digital filtering as the advanced Marantz component players. Shuffle play, repeat, direct access to 99 tracks and a 20-track memory are standard. A separate Dolby Surround unit will shortly be available for this system.

RC 53 REMOTE CONTROL COMMANDER

The Marantz Digital BUS carries control signals through the system. The coded signal only acting on the 'target' component. The whole system can be independently controlled from a single 41-key hand-held infra-red transmitter.

- TT483 semi-automatic belt-drive turntable
- ST583 FM/AM synthesizer tuner for high-performance radio reception and station preset convenience
- PM583 Master Amplifier producing 2x70W EIAJ power. Switching centre for full audio and video control. With 41-key remote control
- SD583 logic control high speed dubbing twin cassette deck with continuous play facility. Dolby B and C. Auto tape sensing and record level control

- CD583 16-bit four times oversampling Compact Disc player with 20-track memory and Shuffle play
- RC 53 41-key infra-red remote control commander
- HD583 optional speakers

MX483

The MX483 system features the following components:

TT 483 TURNTABLE

Semi-automatic belt-drive turntable

ST583 TUNER

FM/AM synthesizer tuner

PM583 MASTER AMPLIFIER

Audio/Video Master Amplifier

SD283 CASSETTE DECK

The SD283 is a soft touch manual double deck which has twin DC servo motors and Super Hard Metal Alloy playback head. This model offers high speed dubbing and continuous play with Automatic Level Control recording and Dolby B noise reduction for compatibility with all pre-recorded tapes. Timer Standby and Auto tape selection are featured. Microphone mixing for both playback and normal speed dubbing can be achieved.

RC 53 REMOTE CONTROL COMMANDER

The MX483 system can be controlled from this 41-key hand-held infra-red transmitter.

CD583 CD PLAYER

Compact Disc player with fully floating mechanism and 16-bit four times oversampling.

HD583*

The HD583 three-way speaker system is designed to be an ideal match to the MX583 and MX483 systems.

- TT483 semi-automatic belt-drive turntable
- ST583 FM/AM synthesizer tuner for high-performance radio reception and station preset convenience
- PM583 Master Amplifier producing 2x70W EIAJ power. Switching centre for full audio and video control. With 41-key remote control
- SD283 soft-touch high-speed dubbing twin deck with continuous play facility. Dolby B. Automatic level control
- CD583 Compact Disc player with 20-track memory and Shuffle play
- RC 53 41-key infra-red remote control commander
- HD583 optional speakers

* not shown

SD283



A U D I O V I D E O S Y



MX493

MIDI SYSTEM

Following the trend to fully integrated audio and video systems the MX493 and MX393 midi systems offer the full Audio/Video flexibility with switching for video and TV sound in a compact and elegant package.

A separate equalizer, with independent left/right channel control and spectrum analyser, and a Dolby Surround unit can later be added to give these systems the complete Audio/Video power of the more expensive MX683/583 systems.

MX493

TT483 TURNTABLE

The TT483 is a semi-automatic belt-drive turntable with belt-drive from a servo controlled belt-drive DC motor. The turntable features a straight low-mass arm with a T4P mount magnetic cartridge allowing easy stylus replacement, alignment and upgrading. The TT483 can be operated with the lid closed.

ST583 TUNER

This FM/AM tuner offers synthesizer tuning for precise, drift-free tuning. Automatic station scanning makes it easy to locate any radio station. Once found the station can be stored in one of the 16 FM or 8 AM station preset memories. A clear fluorescent display gives full details of the received frequency, station preset, a tuned indicator and stereo beacon. This tuner offers the convenience of one-touch connection to the PM493 Master Amplifier.

PM493 MASTER AMPLIFIER

The heart of the MX493/393 systems. The PM493 master amplifier delivers 2x70W (EIAJ) and is quite capable of driving two pairs of loudspeakers. Switchable inputs include a video recorder, a CD player and sound from a television monitor. The PM493 offers remote control of all system components through the digital BUS with the 39-key RC 43 remote commander.

SD583 CASSETTE DECK

The SD583 is a high specification twin deck offering high-speed dubbing, sequential play and automatic reverse for extended continuous play. The high performance logic controlled transport gives Blank Skip, Compu Skip, Blank Search, Intro Scan and Auto Replay features. For widest compatibility both Dolby B and C noise reduction systems are offered while for convenience tape bias, equalization and recording level are automatically set.

CD583 CD PLAYER

This CD player is built to the same standards as the advanced Marantz component players. The same 16-bit DAC with four times oversampling and digital filtering gives outstanding musical performance.

The CD583 features Shuffle play, repeat, direct access to 99 tracks and a 20-track memory. A synchronized recording feature triggers the system cassette deck for perfect recordings.

RC 43 REMOTE CONTROL COMMANDER

The entire system can be controlled by signals carried on the Marantz Digital BUS. The coded signals are targeted to just the relevant component. A single 39-key handheld infra-red commander can operate the entire system.

SP493

Dolby Surround Processor (optional). 30 W EIAJ built in amplifier for rear speakers. The SP493 is preprogrammed for immediate use with Dolby Surround Sound and matrix effects are included. Connection for HP 1DB headphones.

HD483*

A compact two-way high sensitivity design with 70 W (EIAJ) power handling. The 160 mm bass driven gives excellent bass extension from its reflex loaded mid/bass unit. The 57 mm midrange/tweeter provides distortion free reproduction.

- TT483 semi-automatic belt-drive turntable
- ST583 FM/AM high-performance synthesizer tuner with station preset convenience
- PM493 Master Amplifier producing 2x70W EIAJ power. Full switching for audio and video components. With 39-key remote control
- SD583 high speed dubbing twin cassette deck with continuous play facility. Logic control. Dolby B and C noise reduction. Auto tape sensing and record level control

- CD583 16-bit four times oversampling Compact Disc player with 20-track memory and Shuffle play
- RC 43 39-key infra-red remote control commander
- HD483 optional speakers

MX393

The MX393 system features the following components:

TT483 TURNTABLE

Semi-automatic belt drive turntable

ST583 TUNER

FM/AM synthesizer tuner with presets

PM493 MASTER AMPLIFIER

Audio/Video Master Amplifier

SD283 CASSETTE DECK

The SD283 is a twin motor double deck with soft touch manual transport and a Super Hard Metal Alloy playback head. This deck provides high speed dubbing and continuous play with Automatic Level Control recording. Dolby B noise reduction guarantees compatibility with all prerecorded tapes. Timer Standby and Auto tape selection and record level setting are featured. Microphone mixing can be carried out in both playback and normal speed dubbing modes.

CD583 CD PLAYER

Compact Disc player with fully floating mechanism 16-bit four times oversampling DAC.

RC 43 REMOTE CONTROL COMMANDER

The MX393 system can be controlled from this 39-key hand-held infra-red transmitter.

HD483*

The HD483 is designed to be an ideal match to the MX493 and MX393 systems.

- TT483 semi-automatic belt-drive turntable
- ST583 FM/AM high-performance synthesizer tuner with presets
- PM493 Master Amplifier producing 2x70W EIAJ power
- SD283 soft-touch high-speed dubbing twin deck with continuous play facility. Dolby B. Automatic level control
- CD583 Compact Disc player with 20-track memory and Shuffle play
- RC 43 39-key infra-red remote control commander
- HD483 optional speakers

*not shown

SD 283





RC 55 RC583

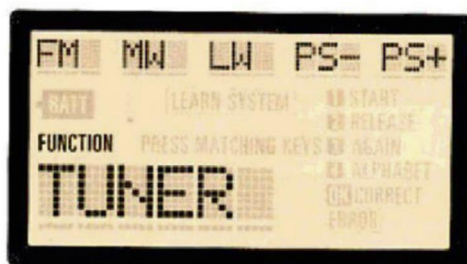
REMOTE CONTROL

The RC583 universal type learning remote control comes preprogrammed to operate 10 Marantz products with nearly 300 commands already stored. The RC583 has battery backup and will operate on one set of batteries for about one year (used 30 times a day). Operation is made easier by an intelligent Liquid Crystal Display

(with adjustable contrast) which gives both the product name (programmable) and predetermined legends to the five main function keys.

Switched into learn mode the RC583 can read and remember the operating codes from a wide range of other infra-red remote control handsets. Balance, volume, mute and front/back volume in a Surround Sound system can all be controlled. From now on you only need one remote control to operate

all existing televisions, video recorders, CD players and other home entertainment products existing and planned — the RC583. The RC 55 is a convenient, stylish attachment to provide a remote control 'eye' and commander for Marantz products. The RC 55 is intended to extend remote control to a second room where speakers driven by the System 2 outlet on a Marantz MX system are in use. Full remote control of the system in the main room can be achieved with the RC 55.



CASSETTE DECKS

TECHNICAL SPECIFICATIONS	UNITS	SD 585	SD 385	SD 285
Mechanism		2 x logic	2 x soft	2 x soft
Motors and type		4 DC	2 DC	2 DC
Numbers of heads		4	3	3
Auto reverse		yes (REC)	yes	no
Auto tape selection		yes	yes	yes
High speed dubbing		yes	yes	yes
Frequency response (without Dolby)				
Normal tape	Hz-kHz	20-16	30-16	30-16
Chrome tape	Hz-kHz	20-17	30-17	30-17
Metal tape	Hz-kHz	20-18	30-18	30-18
Signal to noise ratio (Chrome tape 1 kHz)				
With Dolby B/C	dB	65/71	65/70	65/70
Without Dolby	dB	56	55	55
Wow and Flutter DIN weighted	%	0.13	0.15	0.15
Wow and Flutter RMS weighted	%	0.07	0.08	0.08
Outputs				
Line level/impedance	mV/kOhm	500/2	600/2	600/2
Head level/impedance	mV/Ohm	50/70	50/8	50/8
Dimension (WxHxD)	mm	420x100x260	420x110x260	420x110x260
Net weight	kg	5.3	4.8	4.8
Power supply				
N- and T-versions	V AC	220/240	220/240	220/240
E-version	V AC	110 - 240	110 - 240	110 - 240

AUDIOPHILE AND AUDIO-VIDEO AMPLIFIERS

TECHNICAL SPECIFICATIONS	UNITS	PM 55	PM 65 AV
Power output			
RMS 8 Ohms	W	65	75
DIN 8 Ohms	W	80	85
DIN 4 Ohms	W	110	120
IHF dynamic power 8 Ohms	W	90	95
IHF dynamic power 4 Ohms	W	130	140
Sampling frequency			
THD at 8 Ohms RMS rated output	%	0.02	0.02
Intermodulation distortion	%	0.02	0.02
Damping factor		100	100
Magnetic cartridge input			
Accuracy of frequency response to IEC RIAA	dB	± 0.5	± 0.5
Signal to noise ratio	dB	86	86
Input sensitivity, impedance, capacitance	mV/kOhm/pF	2.5/47/200	2.5/47/200
Moving coil cartridge input			
Input sensitivity impedance	μV/Ohms	250/100	—
CD/Aux/TV/Video input			
Input sensitivity impedance	mV/kOhm	150/22	150/47
Signal to noise ratio	dB	96	86
Frequency response	Hz-kHz	15-70 ± 1 dB	15-70
Tone characteristic (100 Hz and 10 kHz)	dB	± 8	± 8
Channel separation	dB at 1 kHz	> 80	> 80
Video input sensitivity/impedance			1VP-P/75 Ohms
Video output level/impedance			1VP-P/75 Ohms
Dimensions (WxHxD)	mm	420x136x346	420x136x334
Net weight	kg	9.2	10
Power supply			
N- and T-versions	V AC	220/240	220/240
E-version	V AC	110 - 240	100 - 240

EQUALIZERS

TECHNICAL SPECIFICATIONS	UNITS	EQ 551	EQ 451	EQ 351
T.H.D. (20 Hz-20kHz)	%	0.005	0.005	0.005
Rated output	V	1	1	1
Frequency response ± 1 dB	Hz-kHz	10-50	10-50	10-25
Signal to noise, ratio	dB	110	110	110
Input impedance (line in)	K Ohms	47	47	110
Output impedance (line out)	K Ohms	1	1	3.5
EQ action for each channel	Hz	31.5, 63, 125, 250, 500, 1K, 2K, 4K, 8K, 16K, ± 12 dB	31.5, 63, 125, 250, 500, 1K, 2K, 4K, 8K, 16K, ± 12 dB	31.5, 63, 125, 250, 500, 1K, 2K, 4K, 8K, 16K, ± 10 dB
Power supply E-version	V	110 - 240	110 - 240	110 - 240
Dimensions (WxHxD)	mm	420x73x260	420x67x260	420x67x200
Weight	kg	2.7	2.7	2.7

LOUDSPEAKERS

TECHNICAL SPECIFICATIONS

	UNITS	LS 153	HD 583	HD 483	HD 480
System		bi-cone	3-way	2-way	3-way
Power	W	50 (H.P.P.)	70 (H.P.P.)	70 (H.P.P.)	100 (H.P.P.)
Sensitivity (1kHz/1W/1m)	dB	87	90	89	91
Frequency response	Hz-kHz	120-8	35-20	50-20	60-20
Impedance	Ohm	6	8	8	8
Transducers: woofer	mm	—	200	160	160
midrange	mm	110	57	—	60
tweeter	mm	—	20	57	25
Dimensions (WxHxD)	mm	182x257x49	230x440x232	230x365x188	230x414x190

HEADPHONE

TECHNICAL SPECIFICATIONS

	HP 1 DB
Type	Dynamic headphone, open air-type
Transducers	Front: 44 mm Dynamic type Rear: 30 mm Dynamic type
Impedance	100 Ohm
Frequency response	20-20.000 Hz
Max. power	100 mW per unit
Cable	4,2 m
Weight	270 g Including cable

VIDEO RECORDERS

TECHNICAL SPECIFICATIONS

	MV 685	MV 885
TV system	Version 02: PAL BG VPS/SECAM BG Version 39: PAL BG/SECAM L	02 only (PAL BG/VPS/SECAM BG)
Video recording system	3 video heads/2 Audio heads	4 video heads/2 Audio heads
Recording/playback capability	4 hrs video/8 hrs audio	8 hrs video/8 hrs audio
Audio frequency response (HiFi)	20-20kHz $\pm$ 0,5 dB	20-20kHz $\pm$ 0,3 dB
Audio s/n ratio (HiFi*)	$\geq$ 90 dB*	$\geq$ 90 dB*
Wow and Flutter	0.005%	0.005%
Video horizontal resolution	$\geq$ 3,1 MHz	$\geq$ 3,5 MHz
Video signal to noise	$\geq$ 47 dB	$\geq$ 50 dB
Power requirement	27 W (14W)	51 W max
Dimensions (WxHxD)	420x83x270mm	430x114x389mm
Weight	7,5 kg	9,3 kg

CD VIDEO PLAYER

TECHNICAL SPECIFICATIONS

	CV 55
Number of channels	2
Frequency range	2 Hz-20 kHz
Amplitude linearity	$\pm$ 0,1 dB
Phase linearity	$\pm$ 0,5 degrees
Signal to noise ratio	$>$ 100 dB
Dynamic range	$>$ 96 dB
Channel separation	$>$ 96 dB (1 kHz)
Total harmonic distortion	$<$ 0,003 % (1kHz)
Wow and Flutter	quartz precision
Digital/analogue conversion	quadruple (176,4 kHz) oversampling with digital filter and twin 16 bit D/A converters
Error correction system	Cross - Interleaved reed - Solomon Code (CIRC)
Optical read-out element: laser type	Semiconductor Al Ga As
wave length	780 nm
System	PAL
Signal to noise ratio	$\geq$ 44 dB
Resolution	450 horizontal lines
Power supply	240 V AC, $\pm$ 10%/50 or 60 Hz
Power consumption	55 W approx; 8 W in 'standby'
Dimensions (WxHxD): with tray open	420x100x613 mm approx
with tray closed	420x100x393 mm approx
Weight	8 kg

COMPACT DISC PLAYERS

TECHNICAL SPECIFICATIONS

	UNITS	CD 75 II	CD 65 II
Frequency range (0,1 dB limits)	Hz-kHz	2-20	2-20
Dynamic range	dB	$>$ 96	$>$ 96
Signal to noise ratio	dB	$>$ 102	$>$ 102
Channel separation	dB	$>$ 100	$>$ 100
Total harmonic distortion (including noise)	%	0,0015	0,0015
IM distortion (at maximum output)	dB	$>$ -90	$>$ -90
Phase linearity	%	$\pm$ 0,2	$\pm$ 0,2
Wow and Flutter		quartz precision	quartz precision
D/A converter		2x16 bit	2x16 bit
Audio output level (at msb)	V/rms	2	2
Headphone output		variable	—
Digital output (0,5 V into 75 Ohm load)		1 phono + opt	1 phono
Four-times oversampling		yes	yes
Dimensions (WxHxD)	mm	420x90x300	420x90x300
Net weight	kg	4	4
Power supply N- and T-versions	V AC	220/240	220/240

MIDI SYSTEMS AND SYSTEM SEPARATES

TECHNICAL SPECIFICATIONS		UNITS	MX 683	MX 583	MX 483	MX 493	MX 393	SEPARATES
TUNERS			ST 673	ST 583	ST 583	ST 583	ST 583	ST 385
FM STAGE (87.5-108 MKz)								
Sensitivity DIN (s/n 26 dB) mono		µV	1.0	1.0	1.0	1.0	1.0	1.0
Signal to noise ratio DIN mono		dB	73	73	73	73	73	76
MW stage (531 - 1602 kHz)								
Sensitivity (s/n 20 dB 30% mod 1MHz)		µV	500	500	500	500	500	500
LW stage (153 - 281 kHz)								
Sensitivity (s/n 20 dB 30% mod 250 kHz)		mV	1000	1000	1000	1000	1000	1000
Dimensions (WxHxD)		mm	360x55x300	360x55x300	360x55x300	360x55x300	360x55x300	416x 60x 208
Net weight		kg	2.3	3.0	3.0	3.0	3.0	2
AMPLIFIERS			PM 683	PM 583	PM 583	PM 493	PM 493	PM 385
T.S.P. (total system power, EIAJ, 6 Ohms)		W	210	140	140	140	140	150
DIN 8 Ohms		W	40x3	40x2	40x2	40x2	40x2	40x2
T.H.D. (at ½ rated output)		%	0.05	0.05	0.05	0.05	0.05	0.05
IM (at ½ rated output)		%	0.05	0.05	0.05	0.05	0.05	0.05
Signal to noise ratio		dB	90	75	75	75	75	70
Frequency response		Hz-kHz	10-50	10-50	10-50	10-50	10-50	10-60
Tone characteristics		dB	7BEQ ± 10	7BEQ ± 10	7BEQ ± 10	Bass+Treble	Bass+Treble	Bass+Treble
"Dolby Surround"			yes	no. SP493 opt	no. SP493 opt.	no. SP493 opt.	no. SP493 opt.	
Dimensions (WxHxD)		mm	360x120x300	360x120x300	360x120x300	360x120x300	360x120x300	416x 80x 200
Net weight		kg	7.0	7.2	7.2	6.5		4.2
CASSETTE DECKS			SD 873	SD 583	SD 283	SD 583	SD 283	
Motors and type			4 DC	4 DC	2 DC	4 DC	2 DC	
Frequency response (CrO ₂ tape)		Hz-kHz	20-18	30-17	30-17	30-17	30-17	
Signal to noise ratio		dB	65/73	65/73	65/73	65/73	65/73	
(CrO ₂ tape 1kHz Dolby B/C)								
Wow and Flutter DIN Weighted		%	0.12	0.15	0.15	0.15	0.15	
Dimensions (WxHxD)		mm	360x120x300	360x120x300	360x120x300	360x120x300	360x120x300	
Net weight		kg	4.8	4.3	4.2	4.3	4.2	
COMPACT DISC PLAYERS			CD 883	CD 583	CD 583	CD 583	CD 583	
Frequency range (0.1 dB)		Hz-kHz	2-20	2-20	2-20	2-20	2-20	
Dynamic range		dB	> 96	> 96	> 96	> 96	> 96	
Signal to noise ratio		dB	> 102	> 102	> 102	> 102	> 102	
Total harmonic dist. (incl. noise)		%	0.0015	0.0015	0.0015	0.0015	0.0015	
IM distortion (at maximum output)		dB	> -90	> -90	> -90	> -90	> -90	
D/A converter/oversampling		—	2x16 bit/4x	2x16 bit/4x	2x16 bit/4x	2x16 bit/4x	2x16 bit/4x	
Dimensions (WxHxD)		mm	360x82x300	360x82x300	360x82x300	360x82x300	360x82x300	
Net weight		kg	3.5	3.5	3.5	3.5	3.5	
TURNTABLES			TT 873	TT 483	TT 275	TT 185		
TECHNICAL SPECIFICATIONS		UNITS						
Drive system			Belt	Belt	DD	Belt		
Motor type			DC	DC-Servo	FG-Servo	FG-Servo		
Wow and Flutter DIN weighted		%	0.08	0.09	0.06	0.09		
Wow and Flutter RMS weighted		%	0.05	0.06	0.04	0.06		
Rumble DIN		dB	72	70	75	70		
Dimensions (WxHxD)		mm	360x75x300	360x102x350	416x100x337	416x115x385		
Net weight		kg	3.5	2.6	3.9	5		
DOLBY SURROUND PROCESSORS								
TECHNICAL SPECIFICATIONS		UNITS	SP 35	RV 351	SP 493			
Rated output (EIAJ 6 Ohm)		W	30	30	30			
Total harmonic distortion (8 Ohms)		%	0.05	0.05	0.05			
Frequency response		Hz-kHz	40-20	40-20	40-20			
Signal to noise ratio (A weighted)		dB	90	90	90			
Dimensions (WxHxD)		mm	420x60x200	420x60x200	360x80x300			
Weight		kg	3.2	3.2	3.5			
PORTABLE CASSETTE DECKS								
TECHNICAL SPECIFICATIONS		UNITS	CP430	CP 230				
Motors and type			DC servo	DC servo				
Number of heads			3	2				
Peak indication system			VU meter+Led	VU meter+Led				
Frequency response without dolby								
Chrome tape		Hz-kHz	20-18	20-18				
Metal tape		Hz-kHz	20-20	20-20				
Signal to noise ratio (Chrome tape 1 kHz)								
With Dolby B/dbx		dB	65/80	65				
Without Dolby		dB	59	54				
Wow and Flutter DIN weighted		%	0.15	0.15				
Wow and Flutter RMS weighted		%	0.09	0.09				
Dimensions		mm	227x50x165	227x50x165				
Net weight		kg	1.3	1.2				
Batteries			3x'D'	3x'D'				
Power supply		V AC	240	240				



Marantz Audiophile products and Technology products are designed for the discerning customer.

Marantz Audio U.K. Ltd. segment their Dealers by their specialist knowledge of Audiophile and Technology product areas to enable them to demonstrate and communicate effectively. Furthermore, within those segments only a limited number of dealers may be appointed to stock the top end.

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Art direction

R.A. B. Small B.V.

ANALOGUE AMPLIFIERS

		APPROX. RETAIL PRICE (inc. VAT)
PM25	35WPCRMS 8 Ohms, MM, CD Direct, Tone Defeat	129.99
PM35	45WPCRMS 8 Ohms, MM/MC, CD/Phono Direct, Tone Defeat	149.99
PM45	55WPCRMS 8 Ohms, MM/MC, CD/Phono Direct, Tone Defeat	199.99
PM64II	110WPCRMS 8 Ohms, AVSS, Quarter A, CD/Phono Direct, Tone Defeat	349.99
PM84II	150WPCRMS 8 Ohms, Mosfet, Quarter A, CD/Phono Direct, Tone Defeat	599.99
PM94	150WPCRMS 8 Ohms, Mosfet, Quarter A, CD Direct, MC Input Transformer	999.99

DIGITAL AMPLIFIERS

PM75	100WPCRMS 8 Ohms, Digital Amplifier, 16 Bit, 4 Times Oversampling, Remote Control	449.99
PM95	120WPCRMS 8 Ohms, Digital Amplifier 16 Bit, 4 Times Oversampling, Intelligent Remote Control	1699.99

TUNERS

ST35L	FM/MW/LW Digital, 24 Presets, Linear-Phase, 1F Filter	119.99
ST54L	FM/MW/LW Digital, 24 Presets, Narrow/Wide 1F	199.99

CASSETTE DECKS

SD35	Logic Dolby B + C, FL Peak Meters, Custom Components	149.99
SD45II	Logic Dolby B + C, FL Peak Meters, Independent Playback Amplifier, Variable Bias	199.99
SD55	3 Head, Dolby B + C HxPro, Variable Bias	349.99

COMPACT DISC PLAYERS

CD65IISE	16 Bit, 4 Times Oversampling, Remote Control, Custom Components	299.99
CD75IISE	16 Bit, 4 Times Oversampling, Remote Volume Control, Custom Components	349.99
CD85	16 Bit, 4 Times Oversampling, Remote, Opt Dig Out	499.99
CD94	16 Bit, 4 Times Oversampling, Remote, Non Magnetic Construction, Opt Dig Out	799.99
CD12	State of the Art Twin Box, Intelligent Remote Control	2499.99

DIGITAL TO ANALOGUE CONVERTER

CDA94	16 Bit, 4 Times Oversampling, Sampling frequency select, Opt Dig In Balanced Out	799.99
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LOUDSPEAKERS

LD20DMS	Black Mini Monitor 60W, BI-Ground	149.99
LD50DMS	Black Mini Monitor 100W, BI-Ground, Double Baffle	199.99

MUSIC LINK PRODUCT

DLT1	Digital Line Transformer, Isolates Ground Paths	249.99
PH95	Phono Equaliser for PM95	299.99
ML95L	Double Screened, Semi Balanced, 24K Gold Plated, Phono to Phono Lead	79.99
ML55L	Gold Plated Phono to Phono Lead	24.99
ML55S	10M BI-Ground OFC Speaker Cable	24.99

ACCESSORIES

WST64	Wooden Side Panels for ST54L	29.99
WPM84	Wooden Side Panels for PM84II	39.99

AMPLIFIERS

		APPROX. RETAIL PRICE (inc. VAT)
PM385	40WPC, DIN 8 Ohms, Binding Posts	99.99
PM55	65WPC, RMS 8 Ohms, CD Direct	199.99
PM65AV	75WPC, RMS 8 Ohms, Full AV Switching	249.99

TUNERS

ST385L	FM/MW/LW Digital, 16 Presets	99.99	---
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CASSETTE DECKS

SD285	Twin, High Speed Dubbing, Dolby B + C	129.99	
SD385	Twin, Auto Reverse, High Speed Dubbing, Dolby + C	149.99	---
SD585	Twin, Logic, Twin Auto Reverse, Dolby B + C	299.99	

COMPACT DISC PLAYERS (420mm)

CD65II	16 Bit, 4 Times Oversampling, Remote Control	249.99	
CD75II	16 Bit, 4 Times Oversampling, Remote Volume Control	299.99	---

CD VIDEO PLAYERS

CV55	CD Video, Combi Player, 16 Bit, 4 Times Oversampling	599.99	
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TURNABLES

TT185CTB	Belt Drive, Semi-Auto T4P	69.99	
TT275CTB	Direct Drive, Semi-Auto T4P	99.99	

PORTABLES

CP230	2 Head, Dolby B, Vari-Speed Inc. Case & Mains Adaptor	299.99	
CP430	3 Head, Dolby B + dbx, Vari-Speed	349.99	
EM8	One Point Stereo Electret for CP230/CP430, Uni-Directional 100Hz-17kHz	34.90	
RBD430	Rechargeable Battery Pack for CP230/CP430	39.90	

SPEAKERS

HD480	100W 3-Way Loudspeaker	99.99	
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AV ACCESSORIES

HP11DB	Dolby Surround Headphones	49.99	
LS153	Superslim Loudspeakers for Surround	49.99	
SP35	420mm, Dolby Surround, 20W	199.99	
MST59	Scart to Scart Lead 1m. Composite Video + Stereo Audio	14.90	
MST59/6M	Scart to Scart Lead 6m. Composite Video + Stereo Audio	24.90	
MSTP7	Scart to 7 Phonos Lead 1m. Composite Video + Stereo Audio	14.90	

INTELLIGENT REMOTE CONTROL

RC583	Intelligent remote control, LCD Display	79.99	
RC55	Remote control 'Eye' and Commander	79.99	

EQUALISERS

EQ551	10 Band Stereo Graphic Equaliser/Analyser	149.99	
EQ351	10 Band Graphic Equaliser	69.99	

RACKS

MR773	Vertical, Black Finish 320 or 360 Product	99.99
MR973	Horizontal, Black Piano Finish 320, 360 or 420mm Product	129.90

COMPACT DISC PLAYERS (360mm)

CD583	360mm, 16 Bit, 4 Times Oversampling, 20 Track	149.99
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SYSTEMS

MX393AV		399.99
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TT483	Semi Auto Turntable
PM493	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD283	Twin Cassette Deck, Dolby B
RC43	Remote Control
HD483	2 Way Loudspeakers

MX393AVCD		549.99
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TT483	Semi Auto Turntable
PM493	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD283	Twin Cassette Deck, Dolby B
CD583	16 Bit, 4 Times Oversampling
RC43	Remote Control
HD483	2 Way Loudspeakers

MX493AV		499.99
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TT483	Semi Auto Turntable
PM493	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD583	Twin Cassette Deck, Dolby B + C
RC43	Remote Control
HD483	2 Way Loudspeakers

MX493AVCD		649.99
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TT483	Semi Auto Turntable
PM493	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD583	Twin Cassette Deck, Dolby B + C
CD583	16 Bit, 4 Times Oversampling
RC43	Remote Control
HD483	Two Way Loudspeakers

MX583AV		599.99
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TT483	Semi Auto Turntable
PM583	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD583	Twin Cassette Deck, Dolby B + C
RC53	Remote Control

MX583AVCD		749.99
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TT483	Semi Auto Turntable
PM583	70WPC EIAJ A/V
ST583	Digital 24 Pre-Set Tuner
SD583	Twin Cassette Deck, Dolby B + C
CD873	16 Bit, 4 Times Oversampling
RC53	Remote Control
HD583	Optional Speakers for MX583

MX673AV		799.99
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TT873	Fully Auto Turntable
PM673	195WTSP Dolby Surround A/V
ST673	Digital 24 Pre-Set Tuner
SD873	Twin Auto Reverse, Dolby B + C
RC73	Remote Control

MX673AVCD		899.99
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TT873	Fully Auto Turntable
PM673	195WTSP Dolby Surround A/V
ST673	Digital 24 Pre-Set Tuner
SD873	Twin Auto Reverse, Dolby B + C
CD873	16 Bit 4 Times Oversampling
RC73	Remote Control