

artistry in sound

ONKYO

ONKYO

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Arbeits Michael Otto

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**ONKYO : Creator of better sounds,
innovator of advanced technology**

Onkyo audio products produce some of the finest sounds to be heard today. Ever since we produced loudspeakers and phono pickups in 1946, we have a long established reputation for producing consistently high quality audio products that feature our very own designs and concepts.

Onkyo's goal is the reproduction of rich and beautiful sound. To achieve this goal, our research laboratories continuously create new concepts and develop new materials.

We use every conceivable type of facility, equipment and instrument to achieve perfection. For this purpose, we have even developed our own audio spectrum analyzer. This is computerized to provide us with much more accurate multidimensional analysis information than conventional equipment is capable of producing.

Our production lines and quality control system are automated and computerized. A centralized testing device at the end of the production lines automatically checks every product turned out.

Onkyo audio products introduced in this brochure are produced this way. So you can rest assured that if you buy an Onkyo product, it's guaranteed to be one of the finest available today.

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SEPARATE COMPONENTS

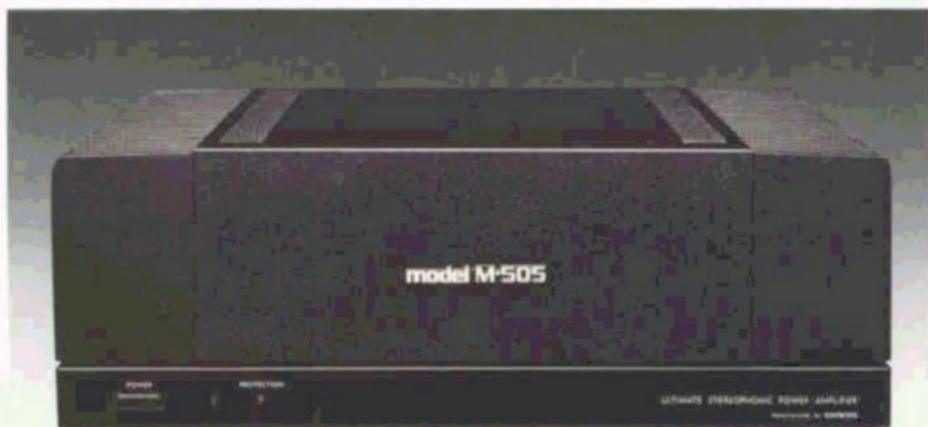
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M-505

Complete DC Power Amplifier

High technology features allow this complete DC power amp to deliver the cleanest possible power. It has dual line construction, four newly developed 18,000 μ F capacitors, extra large power transformers, massive heat sinks, electronic protection circuits and a low filter switch. Continuous power output is 110 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.05% THD.



M-8000

The Power Amp For Any Need

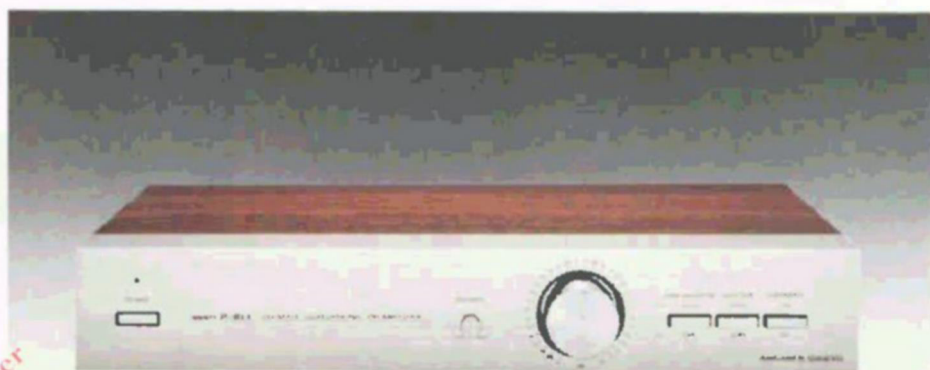
All stages of the signal path, even the power supply, are completely separated into left and right mono amplifiers. This design effectively reduces dynamic modulation and significantly improves stereo separation. Multi-purpose LED peak meters and large easy-to-read power meters assure precise yet simple operation. Large heat sinks and relay-type protective circuits protect it from overheating and circuit malfunctions. Continuous power output is 55 watts per channel into 8 ohms at 1kHz, 0.1% THD.



P-303

Ultimate Stereophonic Preamplifier

Sophisticated electronic circuitry in the P-303 solves all your preamp problems. Dual line construction eliminates transient distortion. Reed relay transient killer circuitry cuts out annoying 'clicks' and 'pops'. Bus feeders and bus ground lines bring impedance down to near zero, thus virtually eliminating dynamic distortion. There's a high performance headamp for MC cartridges, too, with improved 70dB S/N ratio. RIAA equalization is ± 0.2 dB, 20Hz to 20kHz.



P-8000

The Preamplifier With Everything

The P-8000 represents one of the new generation of high grade stereo preamplifiers. An impressive array of controls, including bass and treble defeat switches and both high and low filters, allows you to get exactly the sound you want. There's also a convenient tape dubbing switch to permit dubbing in either direction. And Onkyo's superior circuitry technology means the sound is crisp and clear; RIAA equalization is a low ± 0.5 dB 30 to 15 kHz.



U-30

Peak Meter & Selector Unit

For line level voltage and power amp wattage output measuring, Onkyo gives you the U-30 peak meter and selector unit. The U-30 is designed to switch several turntables, tuners, tape decks, power amps and speakers in and out of the system. The power meters are logarithmically compressed and have an extremely fast 100-microsecond attach time for a 0dB reading. Frequency response is linear within $\pm 1\text{dB}$ from 20Hz to 20kHz.



E-30

Octave Band Stereo Equalizer

This highly advanced octave band equalizer is designed for use with the P-303 preamp or in a top grade audio system to tailor frequency response to taste. Up to 10dB attenuation or boosting is possible at nine frequency points spaced at 1-octave intervals. Boost/attenuation is separable for two stereo channels and the lowest center frequency can be switched to either 63Hz, 45Hz or 32Hz. Total boost/attenuation range switching to 5dB for precise fine adjustment is also possible.



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STEREO RECEIVERS

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TX-6500 MKII

QUARTZ
LOCKED

Quartz Locked AM/FM Stereo Receiver

A top receiver in its class with Onkyo's own IC quartz locked tuning and "Human Touch Sensor" control. All-stage direct coupled OCL discrete main amp. Dual gate MOS FET FM front end. Phase-locked loop (PLL) FM MPX IC. Dolby* deemphasis switch. Big 200mV RMS phono overload. IC quadrature detector. Four-ganged 32-detent volume control. Click-stop bass/mid/treble controls with center defeat. Continuous power output of 105 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.05% THD.



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TX-4500 MKII

QUARTZ
LOCKED

Quartz Locked AM/FM Stereo Receiver

Highly sensitive AM/FM receiver with quartz locked IC tuning, and Onkyo's "Human Touch Sensor" control, dual gate MOS FET FM front end, 3-stage direct coupled phono EQ amp, phase-locked loop (PLL) FM MPX IC, all-stage direct coupled OCL main amp and Dolby* deemphasis switch. Detent-type tone and volume controls plus high/low filter and loudness contour switches. Full 65 watts per channel of continuous RMS power, both channels driven into 8 ohms at 1kHz, with no more than 0.1% THD.



TX-2500 MKII

SERVO
LOCKED

Servo Locked AM/FM Stereo Receiver

Clean, clear AM/FM reception with a continuous power output of 45 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.1% THD. Accurate tuning with servo locked system and Onkyo's "Human Touch Sensor" control. Direct coupled OCL main amp, dual gate MOS FET FM front end, phase-locked loop (PLL) FM MPX IC, 4-element ceramic filters, quadrature detector and Dolby* deemphasis switch. Click-stop tone and volume controls plus high filter and loudness contour switches.



TX-1500 MKII

SERVO
LOCKED

Servo Locked AM/FM Stereo Receiver

Economy receiver with servo locked tuning and automatic "Human Touch Sensor" control. OCL direct and differential main amp delivers a continuous power output of 20 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.3% THD. Phase-locked loop (PLL) FM MPX IC, FM muting lock switch, tape monitoring/dubbing facilities, separate bass/treble/balance and volume controls plus built-in transient killer circuit.



TX-20

SERVO
LOCKED

Servo Locked AM/FM Tuner Amplifier

Along with servo locked tuning and "Human Touch Sensor" controls, the TX-20 has Onkyo's new auto-hi-blend circuitry that cancels noise from weak broadcasts and noise-amp equipped automatic interference muting circuits to remove interference from the audio signal section. Two dual gate MOS FETs in the RF stage reduce distortion and ensure clean FM reproduction (S/N ratio of 66dB). All this is in a slim-line cabinet with hideaway controls, making it a handsome addition to any room. Continuous power output of 33 watts per channel, min. RMS both channels driven with 8 ohms at 1kHz, with no more than 0.08% THD.



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INTEGRATED STEREO AMPLIFIERS



A-7090

SUPER SERVO

Integrated Super Servo Stereo Amplifier

For the finest audio fidelity, here's a powerful stereo amp with super servo circuitry, separable pre-power amp and LED peak power indicator. All-stage direct coupled OCL discrete power amp puts out a full 115 watts per channel of continuous power, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.018% THD. Independent power supplies with two huge heavy-duty 15,000 μ F capacitors for each channel. Big phono overload, MC headamp built in and decibel calibrated detent volume attenuator.



A-7070

SUPER SERVO

Integrated Super Servo Stereo Amplifier

This Onkyo amp delivers clean power for full musical splendor. Continuous power output is 72 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.02% THD. The A-7070 has a super servo controlled power amp with high-output, low-distortion OCL discrete circuitry, massive 21,000 μ F capacitors and electronic amp/speaker protector relays. Controls are click-stop and power output is indicated by LED display.

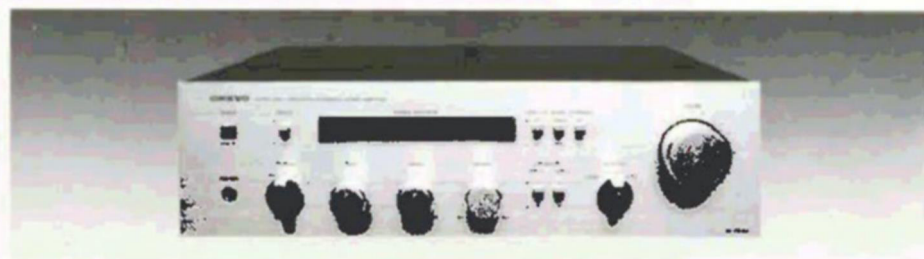


A-7040

SUPER SERVO

Integrated Super Servo Stereo Amplifier

A super servo amp with LED peak power display, OCL discrete power amp, balanced power supply, big RMS phono overload, precise RIAA equalization, click-stop tone and volume controls and full speaker protection. Continuous power output of 55 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.026% THD.



A-5100

Integrated Stereo Amplifier

A powerful amp with click-stop volume/tone/balance controls, tape monitoring/dubbing, peak power meters and high cut filter/loudness contour switches. Continuous power output of 39 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.1% THD.



A-3100

Integrated Stereo Amplifier

A feature-packed amp with mic. mixing facility, low-distortion OTL-OCL circuitry, phono EQ IC, click-stop volume/tone/balance controls and 2-position loudness switch. Continuous power output of 26 watts per channel, min. RMS, both channels driven into 8 ohms at 1kHz, with no more than 0.5% THD.



TUNERS

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T-909

Digital Synthesized FM Tuner

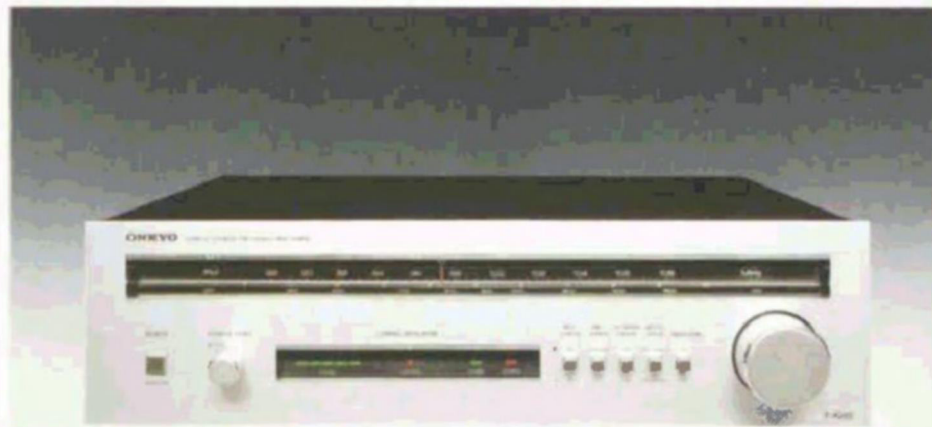
A revolutionary new concept in FM tuning and performance. The T-909 provides quartz controlled tuning accuracy with digital frequency display and tuning memory for automatic pre-setting of up to seven FM stations. Dual gate MOS FET front end RF stage and mixer circuit, and tuned buffer local oscillator circuitry achieve excellent FM sensitivity of $1.7\mu\text{V}$ (9.8dBf). S/N ratio is high 80dB (FM mono) with harmonic distortion a mere 0.08% at 1kHz.



T-4090

Quartz Locked Stereo Tuner

Here's a truly state-of-the-art stereo tuner with Onkyo's quartz locked tuning and "Human Touch Sensor" control. Circuitry includes dual gate MOS FET FM front end, phase-locked loop (PLL) FM MPX IC, IC-equipped AM section, Dolby* deemphasis, stereo noise filter and FM muting. Advanced features extend to a full-information LED tuning indicator display, recording level check switch and wide illuminated dial scale.

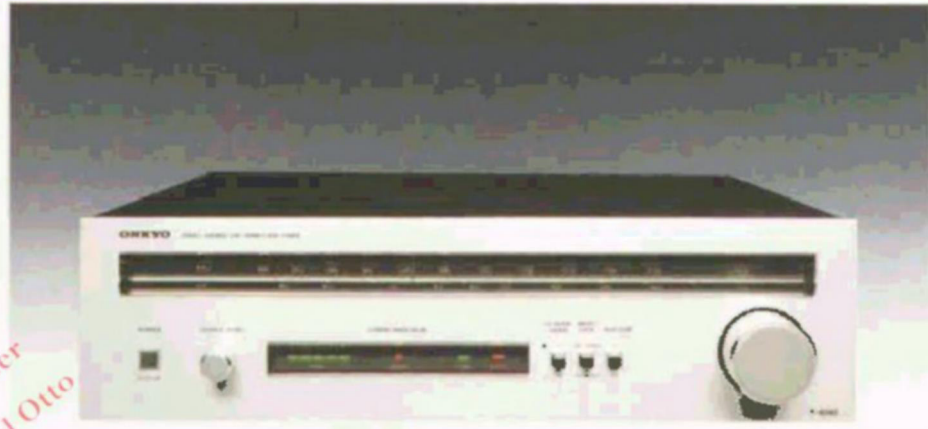


T-4040

SERVO
LOCKED

Servo Locked Stereo Tuner

This top class model gives you razor-sharp servo locked tuning with unique "Human Touch Sensor" control. Tuning is made easy by a bright, multi-function LED tuning indicator and a wide linear dial scale. A high FM sensitivity of $2.1\mu\text{V}$ (11.7dBf) is achieved by an FET FM front end and a 4-ganged variable capacitor provides extra station selectivity. The T-4040 also has a phase-locked loop (PLL) FM MPX IC, an FM muting/lock switch and an adjustable output level control.



T-3100

AM/FM Stereo Tuner

A good basic tuner for quality AM/FM reception with FM muting switch and sophisticated phase-locked loop (PLL) FM MPX IC circuitry. A low-noise FET FM front end produces exceptional sensitivity and overload resistance and a 3-ganged variable tuning capacitor assures maximum station selectivity on FM. For precise AM tuning, there's a 2-ganged variable tuning capacitor and a signal strength meter.



CASSETTE TAPE DECKS

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TA-2080

ACCU BIAS

Stereo Cassette Tape Deck

A superb front loading 3-head cassette deck with a 2-motor and dual capstan drive system. State-of-the-art features include Onkyo's own fully automatic 'Accu-Bias' control for all-tape compatibility and a new special laminated erase head for using the latest metal tapes. All tape controls are logic controlled feather-touch pushbuttons and the DC motor drive is controlled by a phase-locked loop (PLL) servo system. There's Dolby* NR with MPX filter, fade-out control and large VU meters with 10-step LED peak indication, too.



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TA-2040

ACCU BIAS

Stereo Cassette Tape Deck

This front loading cassette deck has everything needed to produce excellent sound: Onkyo's S&S sendust rec/pb head for metal tapes, a bright, long life fluorescent display for precise and instantaneous level readings, Dolby* NR, phase-locked loop, FG-servo DC motor drive system, auto-stop circuitry, soft-touch controls, and a remote control socket for use with the Onkyo RC-5 unit.



TA-630D

ACCU BIAS

Stereo Cassette Tape Deck

A full-feature front loading cassette deck with phase-locked loop (PLL) servo DC motor drive system and unique 'Accu-Bias' control for complete tape compatibility. Equipped with a newly developed hyperbolic S&S sendust rec/pb head, Dolby* NR with MPX filter, memory rewind full auto stop mechanism, timer start/pause function, rec-mute switch and large VU meter with two peak level indicators.



TA-2010

ACCU BIAS

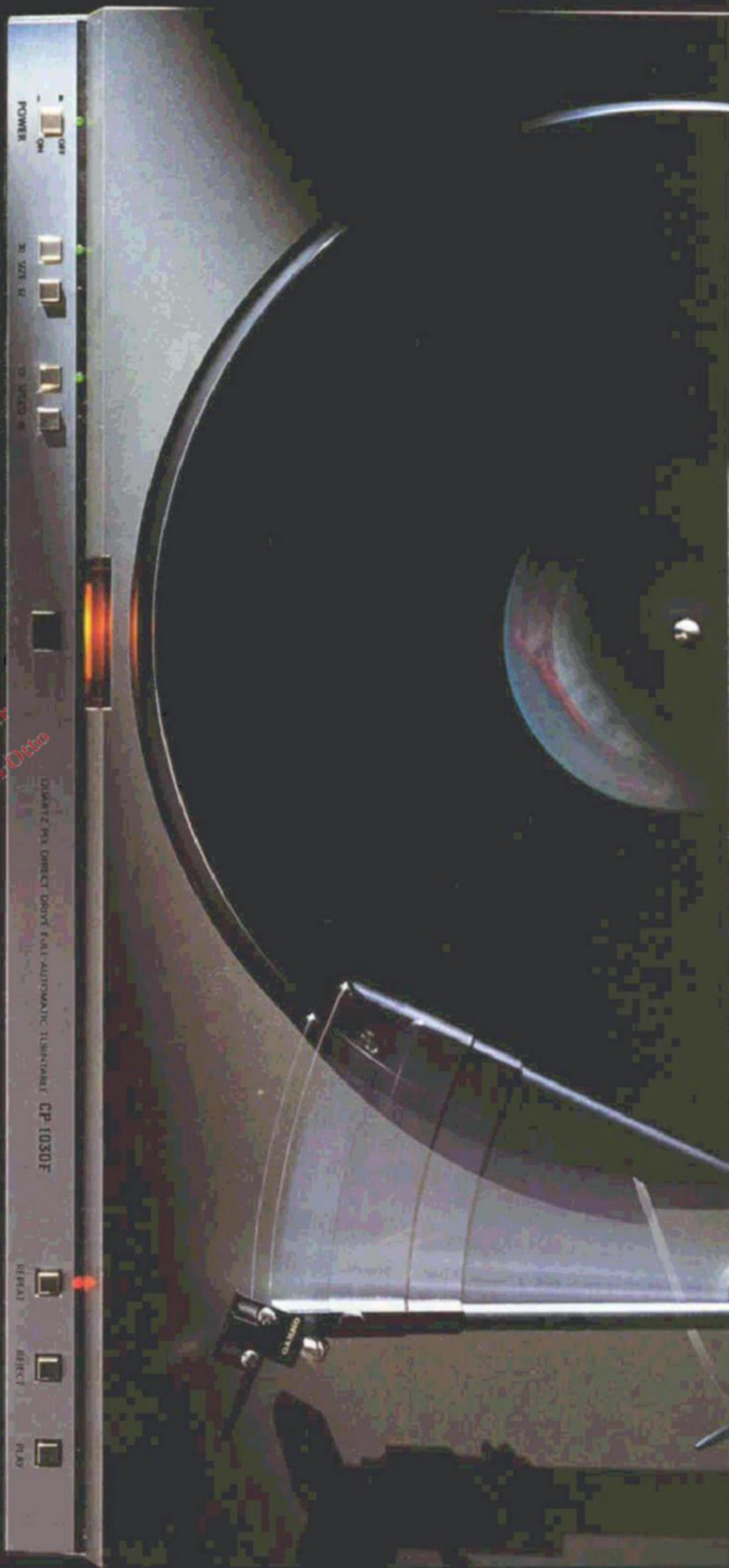
Stereo Cassette Tape Deck

The most affordable way to enjoy high fidelity cassette recording and playback with all-tape compatibility. Featuring Onkyo's own 'Accu-Bias' adjust control, long-life superb permalloy WIDEX rec/pb head, Dolby* NR with MPX filter, Dolby* referenced VU meters, separate 3-position bias/EQ tape selectors, end-of-tape shut off and pause/edit control.



TURNTABLES

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CP-1030F

Fully Automatic Turntable

Quartz locked direct drive accuracy and a straight-line low mass carbon fiber tonearm guarantee faithful reproduction of all tones. Also features a dual motor system coupled to an optoelectronic record-end detector, LED function displays, a repeat memory, and front panel controls.



CP-1020F

Fully Automatic Turntable

A quality engineered fully automatic direct drive turntable with dual motor system and straight-line low mass pipe tonearm with ADC-type connector. All-front-panel controls, infinite repeat memory, dial-adjustable anti-skating device and speed control.



CP-1010A

Automatic Return Turntable

A semi-automatic single play turntable with FG-servo DC motor, auto-return and auto-cut functions plus front panel control. Equipped with a straight-line low mass pipe tonearm with ADC-type connector, dial-adjustable anti-skating device and double insulated feet.



CP-1005A

Automatic Return Turntable

This 2-speed, belt-drive turntable provides full record playing convenience with auto-return and auto-cut functions. Featuring 4-pole synchronous motor, Onkyo's own MM cartridge and sensitive S-shaped tonearm with oil-damped lifter.



CP-100A

Fully Automatic Turntable

A versatile belt-drive turntable with 4-pole synchronous motor, auto-return, manual arm lifter and anti-magnetic 30cm diecast aluminum platter. Complete with sensitive S-shaped tonearm, dual magnet cartridge and diamond stylus.



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SPEAKER SYSTEMS

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Scepter 500

4-way Bass Reflex Speaker System

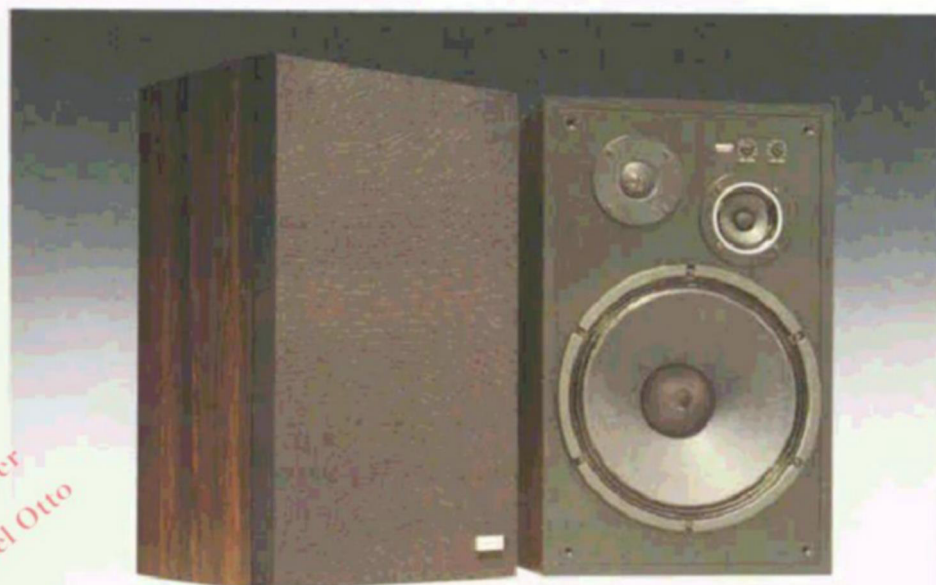
Onkyo's top-of-the-line model with 38cm woofer, sectoral horn midrange driver, catenoidal horn tweeter with acoustic lens and horn-type super tweeter. Maximum handling power of 120 watts with 96dB/W/m efficiency.



240

3-way Acoustic Suspension Speaker System

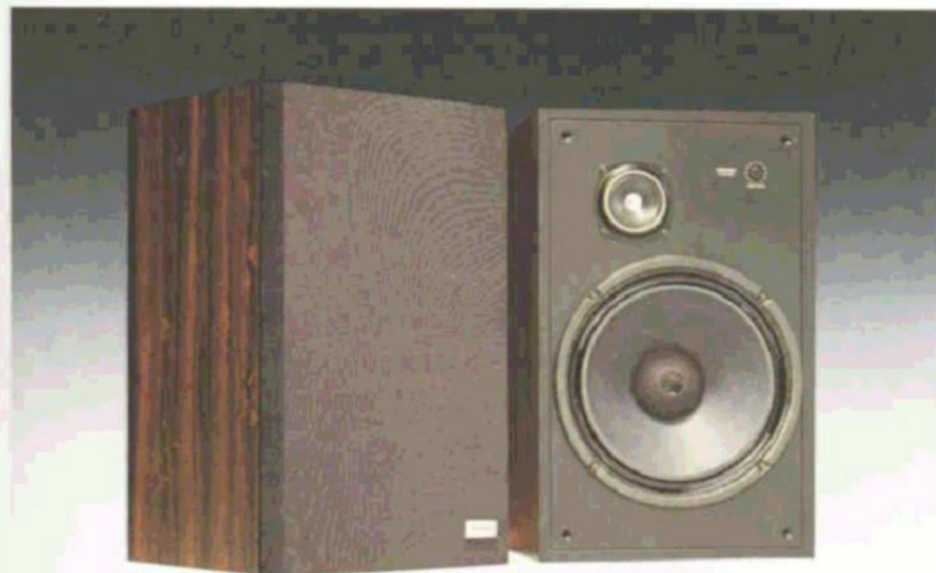
An ideal speaker system for all home stereo needs. A 38cm woofer, 10cm rigid carbon fiber midrange driver and 2.5cm titanium foil dome tweeter configuration handles a maximum power of 100 watts with ease.



160

2-way Acoustic Suspension Speaker System

This handsomely finished system handles a maximum power output of 80 watts. Each crafted acoustic enclosure houses a 30cm stiff, lightweight, cone paper woofer and a 7cm duralumin dome radiator tweeter.



SC-90MKII

3-way Acoustic Suspension Speaker System

Renowned Onkyo craftsmanship brings you this superb 3-way speaker system. Handling a maximum power output of 150 watts are a 31cm woofer, a 5cm dome midrange driver and a 3cm dome tweeter in an acoustic suspension enclosure.



SC-60MKII

3-way Acoustic Suspension Speaker System

For full-bodied sound, this 3-way speaker system is an ideal choice. The 28cm woofer, 5cm dome midrange driver and 3cm dome tweeter configuration handles 100 watts of maximum output power.



SC-40MKII

2-way Acoustic Suspension Speaker System

This system is designed for bookshelf or floor mounting and has a high compliance 20cm woofer and a dynamic 3cm dome tweeter sealed in an expertly made and finished acoustic suspension enclosure. Maximum handling power is 50 watts.



MX-7

3-way Bass Reflex Speaker System

An awesome combination of 31cm woofer, 8cm midrange driver and 4cm tweeter gives powerful yet precise tones from power outputs up to an amazing 120 watts. Features Onkyo's advanced linear crossover network configuration.



MX-5

3-way Bass Reflex Speaker System

This expertly balanced and crafted system is designed to produce lively, expressive sound over the entire audio spectrum from the 28cm woofer, 8cm midrange driver, and 4cm tweeter from a maximum output of 80 watts.



MX-3

2-way Bass Reflex Speaker System

For top-of-the-line sound at a reasonable price, choose the MX-3. Its 28cm woofer and dynamic 4cm tweeter deliver crisp highs and booming bass tones. And the 90dB/W/m efficiency means impressive volume and scale.



M-55

2-way Bookshelf Speaker System

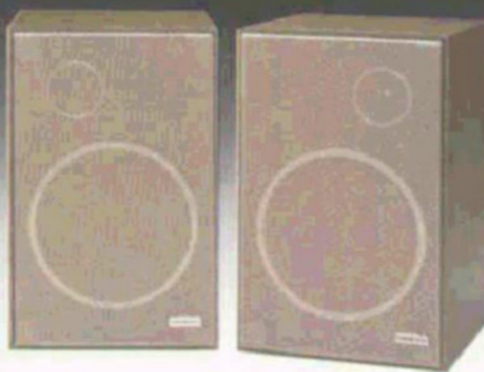
For excellent sound quality with minimum space requirements, this 2-way bookshelf system fits the bill. Its 20cm woofer and 3cm tweeter can handle a maximum input power of 60 watts at 6 ohms.



HS-20

2-way Bass Reflex Speaker System

The compactness of this system belies its strength. The 16cm woofer and 5cm tweeter can handle up to 50 watts of maximum output power to provide rich, full sound from 60 to 20,000Hz.



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STEREO COMPONENT SYSTEMS & MODULAR STEREO SYSTEMS

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License-81

Stereo Component System

A magnificently matched system for high power and performance. Stereo preamp, stereo power amp, servo locked stereo tuner and fully automatic direct drive turntable beautifully racked with matching speaker system. Cassette deck optional.

For model nos. of components in this system, refer to page 58.

License-71

Stereo Component System

Each component is a skillfully engineered masterpiece. Powerful integrated amp, servo locked stereo tuner, and fully automatic direct drive turntable in a custom rack with matching speaker system. Cassette deck optional.

For model nos. of components in this system, refer to page 58.



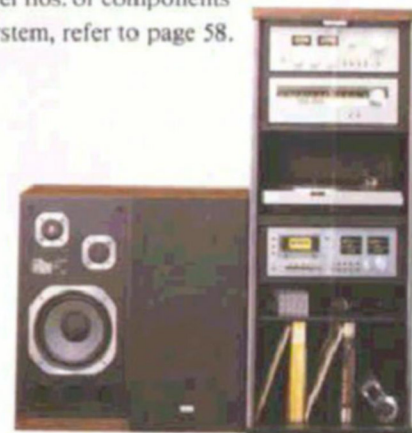
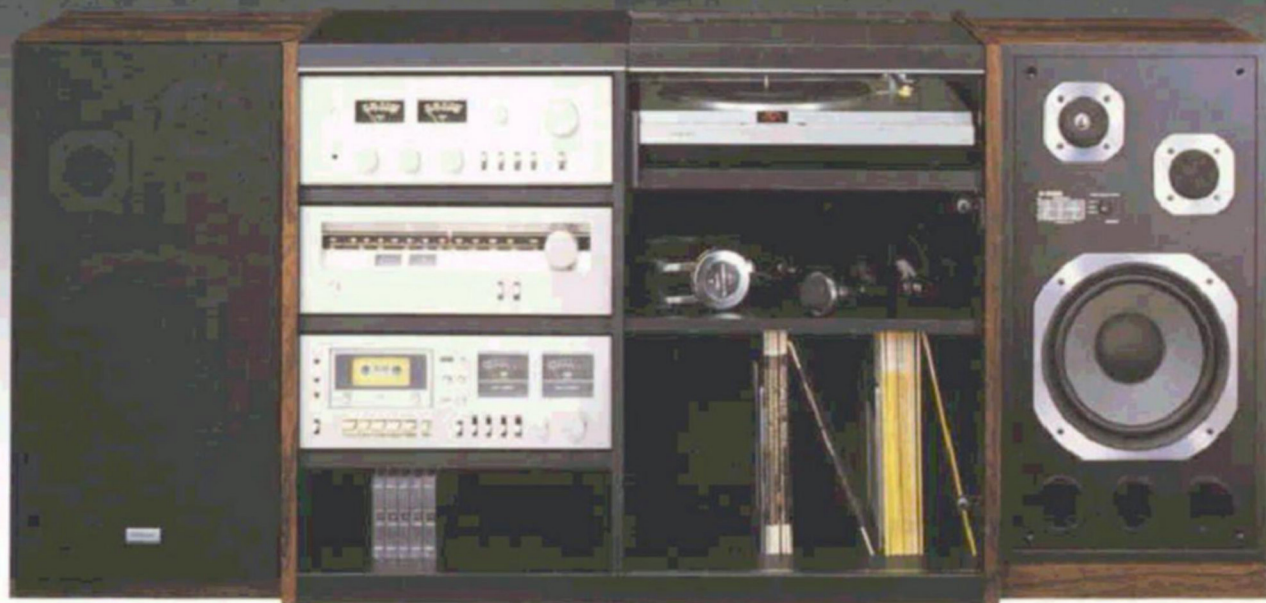
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License-51 Series

Stereo Component System

A deluxe sound system for maximum stereo entertainment. Horizontally or vertically racked system with integrated stereo amp, AM/FM stereo tuner and fully automatic direct drive turntable plus matching speaker system and optional cassette deck.

For model nos. of components in this system, refer to page 58.



License-31 Series

Stereo Component System

Your choice of fully integrated audio components for full musical appreciation. Integrated stereo amp, AM/FM stereo tuner and auto-return turntable in either a vertical or horizontal rack complete with matching speakers and optional cassette deck.

For model nos. of components in this system, refer to page 58.



License-15

Stereo Component System

An economical system in an attractive rack with all the features and functions to bring you beautiful sound: AM/FM stereo receiver, automatic return turntable, and a powerful speaker system.

For model nos. of components in this system, refer to page 58.



UC-100LD

Stereo Component System

Home stereo entertainment made complete with a beautifully racked system of stereo amp, AM/FM stereo tuner and fully automatic turntable. Matching speakers and an optional front loading cassette deck complete the system.



Midi-20

Midi Component System

Great sound from the matched speaker system can originate from any of three sources: the high-grade stereo receiver, FG-servo DC motor turntable, or full-feature front loading cassette deck. Everything fits beautifully in the modernistically styled custom rack with casters.

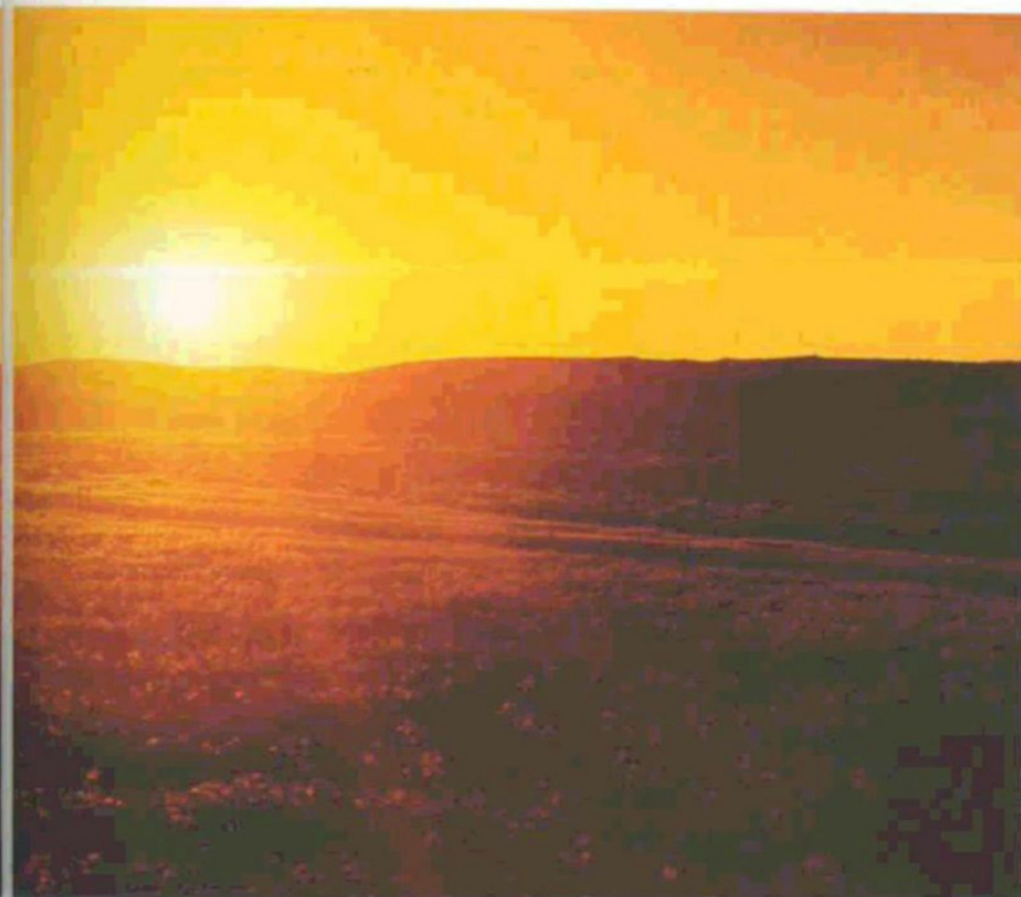
For model nos. of components in this system, refer to page 58.



Y-8000

4-unit Modular Stereo System

A neat, functionally arranged system with matching rack and speaker system. Includes an AM/FM stereo tuner/amp and a fully automatic turntable. Features 4-channel matrix circuitry and mic mixing facility.



HP-200

Stereo Headphones

For discriminating listeners, Onkyo offers these monitor grade open air stereo headphones. Finely engineered with soft, movable earpads. Lightweight. Silky sound with 20Hz to 20kHz frequency response. Impedance is 200 ohms.



HP-100

Stereo Headphones

Lightweight, soft ear-padded, open air dynamic headphones for fatigue-free listening. Cover full audio spectrum from 20Hz to 20kHz with 108dB/mW sensitivity at 200Hz. Impedance is 8 ohms.



HP-50

Stereo Headphones

Slim, lightweight designed open air dynamic headphones with wide 20Hz to 20kHz frequency response. Capable of handling high 100mW inputs and 103dB audio outputs. Impedance is 8 ohms.



DM-105

Dynamic Microphone

For hand-held sing-along fun, this dynamic moving coil-type microphone is ideal. Impedance is switchable between 600 ohms and 50k ohms, and a stand adapter and 5-meter cord are included.



DM-103

Uni-directional Microphone

Cardioid directionality and high sensitivity allow this high grade dynamic microphone to pick up even the faintest sounds. Includes wind protector and table stand.



CB-7 Custom Rack

Dual furniture finished cabinets offer a choice of vertical or horizontal layout. Each one has double see-through doors and ample shelf or storage space for all components and audio accessories.

CB-6L Custom Rack

A horizontal rack finished in black and walnut-grained vinyl with cupboard space for License-51/License-31 series components and audio accessories. Complete with one see-through door and lid.

CB-6V Custom Rack

This elegant black and walnut-grained rack provides a vertical layout option for License-51/License-31 series components with ample room for accessories and an optional cassette deck. Complete with double see-through doors.

CB-8L Custom Rack

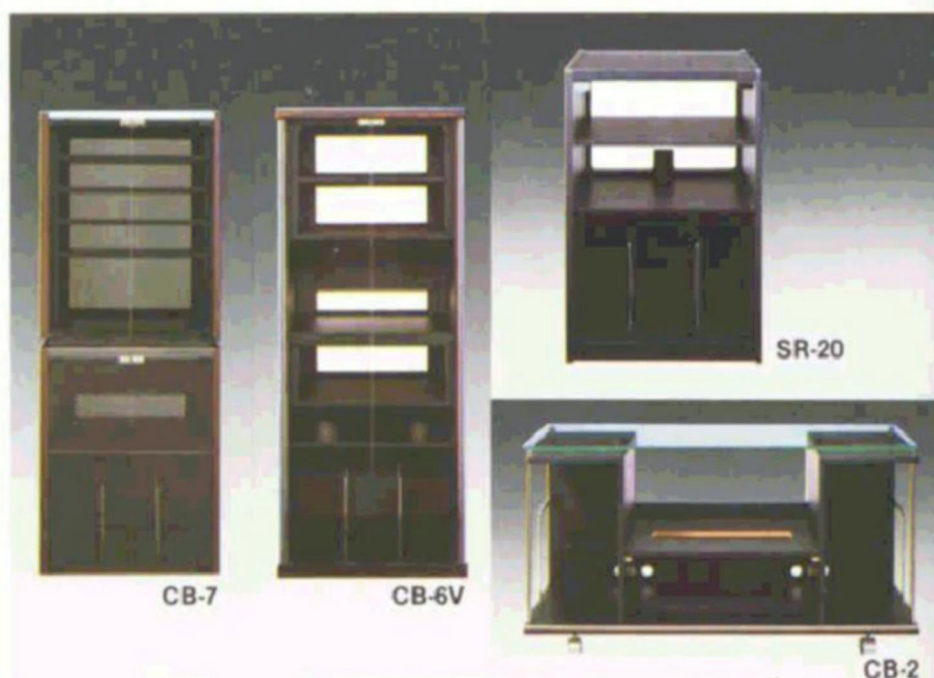
Finished in elegant black and walnut-grained vinyl, this horizontal rack adds a decorative touch to the License-81 components. It has ample shelf and storage space with room for an optional cassette deck. Double see-through doors and lids included.

SR-20 Custom Rack

This spacious, black vinyl finished rack has three shelves for the License-15 components with plenty of room left for all your records, tapes, and audio accessories behind big, see-through doors.

CB-2 Custom Rack

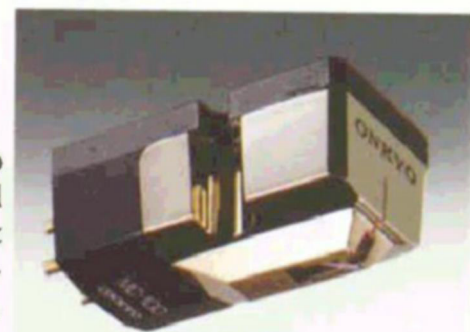
This clean-line rack features the convenience of casters to give your system even more versatility. Center shelf has seven possible positions to make just the right size space for any need. Perfect with the Midi-20.



MC-100

Moving Coil Stereo Phono Cartridge

This is Onkyo's own MC phono cartridge with 20-ohm $\pm 20\%$ load impedance at 1kHz and flat 20kHz frequency response. Channel separation is better than 30dB at 1kHz. Stylus pressure is 1.8gm ± 0.2 gm.



MT-2

Transformer for MC Cartridges

The MT-2 is a minimum distortion transformer made specially for use with the Onkyo MC-100 moving coil cartridge. It boasts high channel separation, a large permalloy core with multi-layer winding, and triple shielding.



RC-5

Remote Control Unit

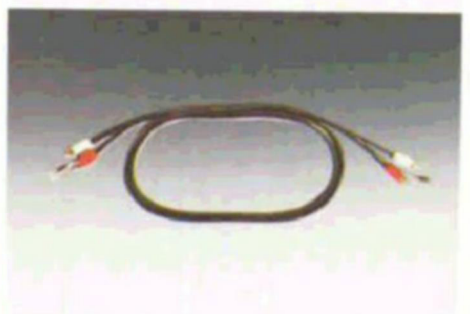
All tape transport mode switching can be performed from the comfort of your listening position with this compact, lightweight remote control unit. Just connect it to the remote control socket of the TA-2040 stereo cassette deck.



PC-150G

Stereo Audio Cable

This low capacitance 33pF/m stereo patch cord is recommended for all stereo system connections. It is made of highly pliable copper alloy and comes with gold-plated pin plugs.



	M-505	M-8000
Dynamic Output Power	600W	160W
Continuous Power Output (1kHz 8Ω)	110W + 110W	55W + 55W
THD at Rated Power	0.05%	0.1%
IM Distortion at Rated Power	0.01%	0.1%
Damping Factor (1kHz 8Ω)	100	50
Frequency Response	DC-150kHz (+0, -1.5dB)	4Hz—100kHz (+0, -1.5dB)
Dimensions (W × H × D)	450 × 165 × 322mm 17-3/4" × 6-1/2" × 12-11/16"	418 × 152 × 274mm 16-3/8" × 6" × 10-3/4"
Weight	17kg 37.4 lbs.	10kg 22 lbs.

	U-30
Sensitivity	1V, 10V for PRE OUT 10W, 100W for Speaker 8Ω
Indicating Range	-40—+5dB
Accuracy	+5—-10dB: ±1dB -10—-30dB: ±3dB -30—-40dB: ±5dB
Frequency Range	20Hz—20kHz: ±1dB
Dimensions (W × H × D)	450 × 83 × 360mm 17-3/4" × 3-5/16" × 14-3/16"
Weight	6kg 13.2 lbs.

	P-303	P-8000
Frequency Response (Tuner)	3.5Hz—200kHz (+0, -1.5dB)	
RIAA Deviation	±0.2dB (20-20kHz)	±0.5dB (30—15kHz)
S/N Ratio (Phono)	MC: 70dB MM: 83dB	76dB
THD	0.006% at phono MM 3V output 0.03% at phono MC 3V output	0.01% at rated output
Dimensions (W × H × D)	450 × 83 × 370mm 17-3/4" × 3-5/16" × 14-9/16"	418 × 150 × 305mm 16-3/8" × 5-7/8" × 12"
Weight	7.5kg 16.5 lbs.	4.5kg 9.9 lbs.

	E-30
Input Sensitivity	1.5V (100KΩ)
THD	0.01%
IM Distortion	0.01%
S/N Ratio	100dB
Dimensions (W × H × D)	450 × 83 × 360mm 17-3/4" × 3-5/16" × 14-3/16"
Weight	6.5kg 14.3 lbs.

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	TX-6500 MKII	TX-4500 MKII	TX-2500 MKII	TX-1500 MKII	TX-20
Amplifier Section					
Dynamic Output Power	430W	220W	170W	70W	84W
Continuous Output Power (1kHz 8Ω)	105W + 105W	65W + 65W	45W + 45W	20W + 20W	33W + 33W
THD at Rated Power	0.05%	0.1%	0.1%	0.3%	0.08%
IM Distortion at Rated Power	0.1%	0.3%	0.3%	0.3%	0.08%
Damping Factor (1kHz 8Ω)	50	50	40	30	40
Tuner Section					
FM Sensitivity (IHF)	1.7μV	1.8μV	2.0μV	2.3μV	1.9μV
FM Capture Ratio	1.3dB	1.5dB	1.5dB	1.5dB	1.5dB
FM Image Rejection Ratio	85dB	80dB	60dB	45dB	70dB
FM IF Rejection Ratio	100dB	100dB	80dB	80dB	85dB
FM Selectivity (IHF)	70dB	70dB	60dB	60dB	75dB
FM Stereo Separation at 1kHz	40dB	40dB	37dB	35dB	40dB
Dimensions (W × H × D)	538 × 187 × 435mm 21-3/16" × 7-3/8" × 17-1/8"	538 × 163 × 403mm 21-3/16" × 6-7/16" × 15-7/8"	483 × 160 × 371mm 19" × 6-1/8" × 14-5/8"	438 × 147 × 315mm 17-1/4" × 5-13/16" × 12-3/8"	418 × 75 × 340mm 16-9/16" × 2-61/64" × 13-7/16"
Weight	20.5kg 45.1 lbs.	15.5kg 34.1 lbs.	12kg 26.5 lbs.	7.5kg 16.5 lbs.	7.2kg 15.8 lbs.

	A-7090	A-7070	A-7040	A-5100	A-3100
Dynamic Output Power	300W	190W	160W	140W	90W
Continuous Output (1kHz 8Ω)	115W + 115W	72W + 72W	55W + 55W	39W + 39W	26W + 26W
THD at Rated Power	0.018%	0.02%	0.026%	0.1%	0.5%
IM Distortion at Rated Power	0.018%	0.02%	0.026%	0.1%	0.5%
Damping Factor (1kHz 8Ω)	50	50	45	40	40
Frequency Response	5Hz—80kHz (±1dB)	15Hz—50kHz (±1dB)	15Hz—50kHz (±1dB)	20Hz—25kHz (±1dB)	20Hz—25kHz (+1, -2dB)
RIAA Deviation	±0.2dB	±0.3dB	±0.5dB	±1dB	±1dB
S/N Ratio (Phono)	MC: 68dB MM: 78dB	80dB	80dB	73dB	73dB
Dimensions (W × H × D)	418 × 155 × 410mm 16-1/2" × 6-1/8" × 16-3/16"	418 × 124 × 396mm 16-1/2" × 4-15/16" × 15-5/8"	418 × 124 × 396mm 16-1/2" × 4-15/16" × 15-5/8"	418 × 149 × 306mm 16-1/2" × 5-7/8" × 12-1/16"	418 × 150 × 305mm 16-1/2" × 5-15/16" × 12"
Weight	18kg 39.6 lbs.	10.6kg 23.4 lbs.	9.7kg 21.3 lbs.	7.5kg 16.5 lbs.	7kg 15.4 lbs.

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	T-909	T-4090	T-4040	T-3100
FM Sensitivity (IHF)	1.7μV	1.7μV	2.1μV	2.5μV
FM Capture Ratio	1.5dB	1.3dB	1.5dB	1.5dB
FM Image Rejection Ratio	85dB	90dB	60dB	35dB
FM IF Rejection Ratio	100dB	100dB	90dB	80dB
FM S/N Ratio	80dB (FM mono)	76dB (FM mono)	72dB (FM mono)	60dB (FM mono)
FM Selectivity (IHF)	75dB	80dB	70dB	50dB
THD	0.08% (FM mono)	0.1% (FM mono)	0.2% (FM mono)	0.3% (FM mono)
FM Stereo Separation at 1kHz	45dB	40dB	40dB	37dB
Dimensions (W × H × D)	450 × 83 × 353mm 17-3/4" × 3-1/4" × 13-15/16"	418 × 124 × 399mm 16-1/2" × 4-15/16" × 15-3/4"	418 × 124 × 399mm 16-1/2" × 4-15/16" × 15-3/4"	418 × 149 × 309mm 16-1/2" × 5-7/8" × 12-3/16"
Weight	5.9kg 13 lbs.	5.9kg 13 lbs.	5.5kg 12.1 lbs.	4.5 kg 9.9 lbs.

	TA-2080	TA-2040	TA-630D	TA-2010
Type	4-track, 2-channel with Dolby* NR and metal tape capability	4-track, 2-channel with Dolby* NR and metal tape capability	4-track, 2-channel with Dolby* NR and Dolby* FM decoder	4-track, 2-channel with Dolby* NR and Dolby* FM decoder
Wow & Flutter (WRMS)	0.045%	0.055%	0.055%	0.08%
Frequency Response	20Hz—20kHz (Metal tape)	20Hz—19kHz (Metal tape)	20Hz—18kHz (CrO ₂ tape)	20Hz—16kHz (CrO ₂ tape)
S/N Ratio	62dB (Metal tape, Dolby* NR out)	60dB (Metal tape, Dolby* NR out)	58dB (FeCr, Dolby* NR out)	54dB (FeCr, Dolby* NR out)
Dimensions (W × H × D)	438 × 160 × 365mm 17-1/4" × 6-5/16" × 14-3/8"	418 × 120 × 365mm 16-7/16" × 4-3/4" × 13"	418 × 158 × 297mm 16-1/2" × 6-1/4" × 12"	418 × 150 × 265mm 16-7/16" × 5-15/16" × 10-1/2"
Weight	10.2kg 22.5 lbs.	7.2kg 14.2 lbs.	6kg 13.2 lbs.	4.8kg 10.6 lbs.

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	CP-1030F	CP-1020F	CP-1010A	CP-1005A	CP-100A
Type	Direct drive, full-auto with DC Quartz dual motor	Direct drive, full-auto with FG servo-controlled DC dual motor	Belt drive auto-return with FG servo-controlled DC motor	Belt drive, auto-return with synchronous motor	Belt drive, full-auto with synchronous motor
Turntable Platter	31cm (12-1/4") aluminum diecast	31cm (12-1/4") aluminum diecast	31cm (12-1/4") aluminum diecast	30cm (12") aluminum diecast	30cm (12") aluminum diecast
Wow & Flutter (WRMS)	0.03%	0.035%	0.05%	0.08%	0.07%
S/N Ratio	75dB (DIN-B)	72dB (DIN-B)	67dB (DIN-B)	62dB (DIN-B)	50dB
Stroboscope & Antiskating Device	○	○	○	Antiskating Device	—
Armlifter & Lateral Balancer	○	○	○	○	○
Headshell	○ (ADC Type connector)	○ (ADC Type connector)	○ (ADC Type connector)	○	○
Cartridge	(Suitable cartridge weight) 5.0—8.5g	MM-type (OCH-39M)	MM-type (OC-39M)	MM-type (OC-1005M)	VM-type (OC-35V)
Stylus		Diamond (DN-39ST)	Diamond (DN-39ST)	Diamond (DN-1005ST)	Diamond (DN-35ST)
Dimensions (W × H × D)	453 × 133 × 370mm 17-7/8" × 5-1/4" × 14-1/2"	453 × 133 × 370mm 17-7/8" × 5-1/4" × 14-1/2"	453 × 133 × 370mm 17-7/8" × 5-1/4" × 14-1/2"	454 × 130 × 354mm 17-7/8" × 5-1/8" × 14"	450 × 140 × 365mm 17-3/4" × 5-1/2" × 14-3/8"
Weight	6.5kg 14.3 lbs.	5.8kg 12.8 lbs.	4.8kg 11 lbs.	5kg 11 lbs.	8.0kg 17.6 lbs.

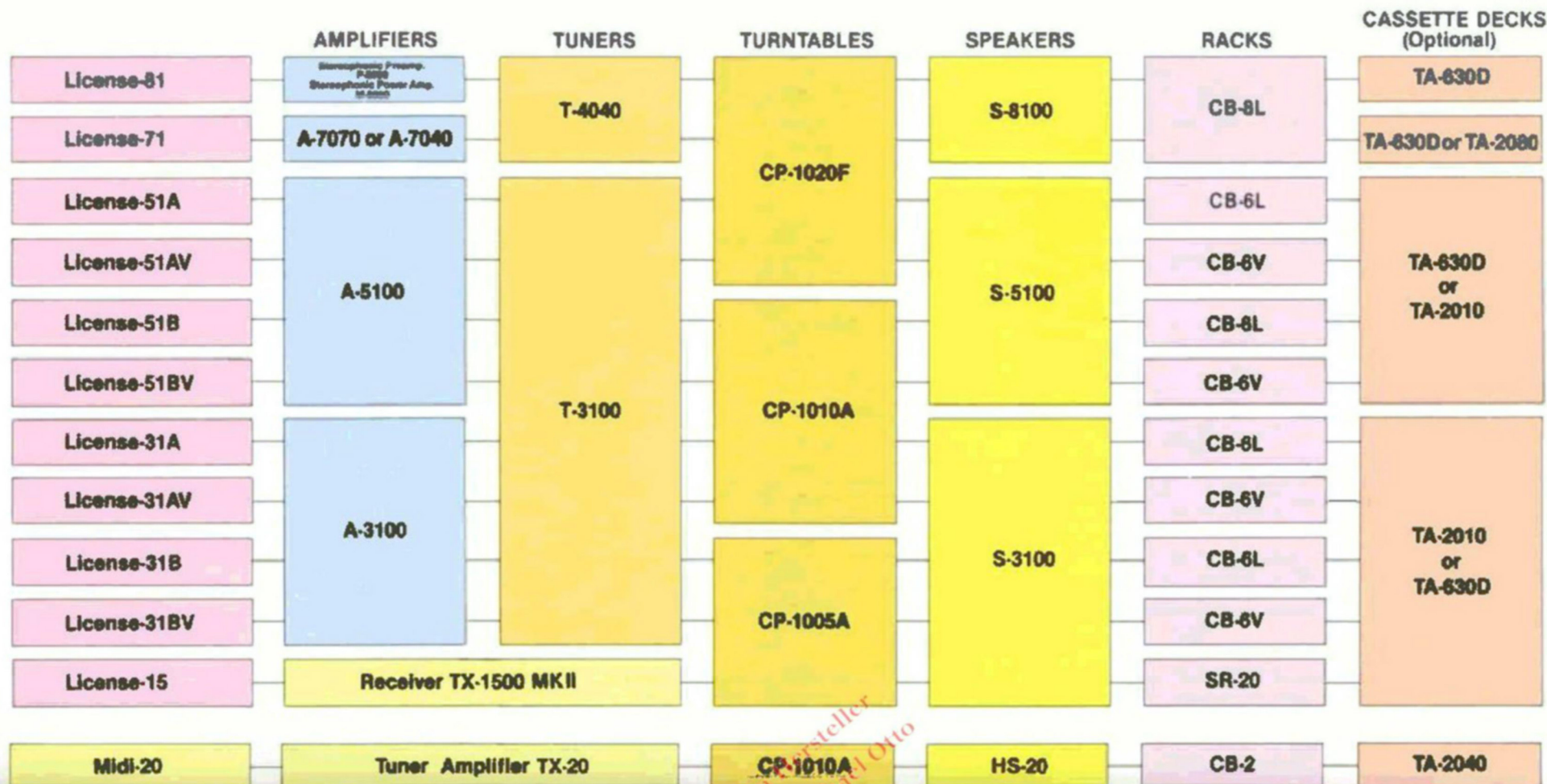
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	Scepter 500	240	160
Type	4-way 4-speaker bass reflex	3-way 3-speaker acoustic suspension	2-way 2-speaker acoustic suspension
Speakers	Woofer Midrange Tweeter Super-tweeter	38cm (15") cone Sectoral horn Catenoidal horn with acoustic lens Horn Super-tweeter	38cm (15") cone 10cm (4") cone 2.5cm (1") dome —
Impedance	8Ω	8Ω	8Ω
Peak Input Power	120W	100W	80W
Frequency Response	25Hz—35kHz	35Hz—20kHz	35Hz—20kHz
Dimensions (W × H × D)	650 × 1296 × 624mm 25-5/8" × 51" × 24-5/8"	418 × 680 × 330mm 16-1/2" × 26-3/4" × 13"	344 × 556 × 325mm 13-1/2" × 21-7/8" × 12-3/4"
Weight	97kg 214 lbs.	20.4kg 44.9 lbs.	13.7kg 30.1 lbs.

	SC-90 MKII	SC-60 MKII	SC-40 MKII
Type	3-way 3-speaker acoustic suspension	3-way 3-speaker acoustic suspension	2-way 2-speaker acoustic suspension
Speakers: Woofer Midrange Tweeter	31cm (12") cone 5cm (2") cone 3cm (1-1/4") dome	28cm (11") cone 5cm (2") dome 3cm (1-1/4") dome	20cm (8") cone — 3cm (1-1/4") dome
Impedance	4—8Ω	4—8Ω	4—8Ω
Peak Input Power	150W	100W	50W
Frequency Response	28Hz—20kHz	30Hz—20kHz	30Hz—20kHz
Dimensions (W × H × D)	396 × 680 × 335mm 15-5/8" × 26-5/8" × 13-5/8"	322 × 578 × 329mm 12-3/4" × 22-3/4" × 13"	275 × 500 × 287mm 10-3/4" × 16-3/8" × 11-1/4"
Weight	21.5kg 47.3 lbs.	17kg 37.4 lbs.	10kg 22 lbs.

	MX-7	MX-5	MX-3	M-55	HS-20
Type	3-way bass reflex	3-way bass reflex	2-way bass reflex	2-way acoustic suspension	2-way 2-speaker bass reflex
Speakers: Woofer Midrange Tweeter	31cm (12-1/4") cone 8cm (3") ring radiator 4cm (1-1/2") ring radiator	28cm (11") cone 8cm (3") ring radiator 4cm (1-1/2")	28cm (11") cone 4cm (1-1/2")	20cm (8") cone 3cm (1-1/4") dome	16cm (6-1/2") cone 5cm (2") cone
Impedance	6Ω	6Ω	6Ω	6Ω	6Ω
Peak Input Power	120W	80W	80W	60W	50W
Frequency Response	26Hz—20kHz	30Hz—20kHz	30Hz—20kHz	50Hz—20kHz	60Hz—20kHz
Dimensions (W × H × D)	380 × 680 × 370mm 15" × 26-3/4" × 14-1/2"	342 × 596 × 331mm 13-1/2" × 23-1/2" × 13"	320 × 518 × 305mm 12-5/8" × 20-3/8" × 12"	235 × 400 × 238mm 9-1/4" × 15-3/4" × 9-1/2"	192 × 297 × 225mm 7-1/2" × 11-3/4" × 8-7/8"
Weight	24kg 52.9 lbs.	16.5kg 36.3 lbs.	13.5kg 29.7 lbs.	6.5kg 14.3 lbs.	4.5kg 9.9 lbs.

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Exclusive Speakers for "License" Stereo Component Systems

	S-8100	S-5100	S-3100
Type	3-way 3-speaker, bass reflex	3-way 3-speaker, bass reflex	2-way 2-speaker, bass reflex
Speakers: Woofer	31cm (12-1/8")	25cm (10")	25cm (10")
Tweeter	8cm (3")	8cm (3")	8cm (3")
Super Tweeter	4cm (1-1/2")	5cm (2")	—
Impedance	8Ω	8Ω	8Ω
Peak Input Power	50W	40W	30W
Frequency Response	35Hz—40kHz	35Hz—30kHz	40Hz—20kHz
Dimensions (W × H × D)	400 × 753 × 335mm 15-3/4" × 29-5/8" × 13-1/8"	365 × 753 × 328mm 14-3/8" × 29-5/8" × 12-15/16"	340 × 753 × 300mm 13-3/8" × 29-5/8" × 11-7/8"
Weight	21.5kg 47 lbs.	16kg 35 lbs.	11.0kg 24 lbs.

Modular Stereo System

	Y-8000	
Receiver Section	Dynamic Output Power	40W
	FM Sensitivity	3μV
Turntable Section	Type	Belt drive, auto-return, auto-cut with armlifter
	Cartridge	VM type (OC-35V)
	Stylus	Diamond (DN-35ST)
Speaker Section	Type	2-way, bass reflex
	Speakers	16cm (6-1/4") woofer, 5cm (2") tweeter

	UC-100LD
Amplifier (A-100)	
Dynamic Output Power	96W
Tuner (T-100)	
FM Sensitivity	2.2μV
Dimensions (W × H × D)	
Amplifier (A-100)	418 × 92 × 265mm 16-7/16" × 3-9/16" × 10-7/16"
Tuner (T-100)	418 × 92 × 275mm 16-7/16" × 3-9/16" × 10-3/4"
Weight	
Amplifier (A-100)	5kg 11.0 lbs.
Tuner (T-100)	3.5kg 7.7 lbs.
Turntable (CP-100A)	
Type	Belt drive, full-auto player with manual lifter
Cartridge	VM type (OC-35V)
Stylus	Diamond (DN-35ST)
Speaker (S-220)	
Type	3-way, bass reflex
Speakers	20cm (8") woofer, 8cm (3") midrange 5cm (2") tweeter
Dimensions (W × H × D)	
Speaker (S-220)	325 × 700 × 254mm 12-13/16" × 27-1/2" × 10"
Weight	
Speaker (S-220)	9.5kg 20.9 lbs.

Stereo Headphones

	HP-200	HP-100	HP-50
Type	Open-air-type	Open-air-type	Open-air-type
Frequency Response	20Hz—20kHz	20Hz—20kHz	20Hz—20kHz
Impedance	200Ω	8Ω	8Ω
Sensitivity	101dB/mW at 1kHz	108dB/mW at 200Hz	103dB/mW at 200Hz
Max. Input	200mW	100mW	100mW
Weight	270g 0.59 lbs.	270g 0.59 lbs.	260g 0.57 lbs.
Cord Length	2.5m 98-1/4"	2m 78-3/4"	2m 78-3/4"

Microphones

	DM-105	DM-103
Type	Uni-directional moving coil	Uni-directional moving coil
Output Impedance	50kΩ, 600Ω	50kΩ
Sensitivity	-56dB	-59dB
Cord Length	5m 196-1/2"	5m 196-1/2"
Accessories	Adapter for mic stand	Wind-protector and mic stand

Cartridge

	MC-100
Type	Moving Coil
Frequency Response	20Hz—50kHz
Output Voltage	0.4mV (1kHz 5cm/sec.)
Channel Balance	within 1dB
Channel Separation	30dB or more
Compliance	8.5 × 10 ⁻⁴ cm/dyne (100Hz)
Load Impedance	20Ω ±20% (1kHz)
Stylus pressure	1.8g ±0.2g
Weight	10g

Transformer for MC Cartridge

	MT-2
Recommended Input Impedance	24Ω
Recommended Load Impedance	47kΩ
Frequency Response	15Hz—100kHz (+0.5, -2dB)
Distortion	0.01% or more
Set-up ratio	1 : 15
Dimensions (W × H × D)	46 × 37.5 × 119mm
Weight	190g

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Custom Racks

	CB-7	CB-6L	CB-6V	CB-8L	SR-20	CB-2
Dimensions (W × H × D)						
Horizontal Style	1102 × 740 × 400mm 43-5/16" × 29-1/16" × 15-5/8"	963 × 753 × 405mm 37-7/8" × 29-5/8" × 16"	—	1003 × 753 × 400mm 39-3/8" × 29-5/8" × 15-3/4"	—	932 × 505 × 392mm 36-3/4" × 18-7/8" × 15-7/16"
Vertical Style	551 × 1480 × 400mm 21-3/8" × 58-3/16" × 15-5/8"	—	540 × 1353 × 395mm 21-1/4" × 53-1/4" × 15-1/2"	—	500 × 753 × 395mm 19-11/16" × 29-5/8" × 15-1/2"	—

Remote Control Unit

	RC-5
Operating System	cable (cord length 4m)
Operating Function	REC/REW/PLAY/FF/STOP/PAUSE
Dimensions (W × H × D)	150 × 37 × 16mm
Weight	200g

*Dolby is a trademark of Dolby Laboratories. Specifications and design are subject to change without notice.