

# ONKYO®

HIGH FIDELITY

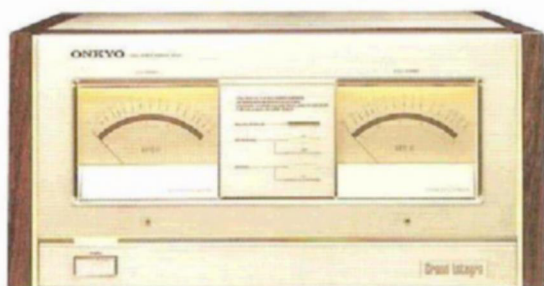


© beim Hersteller  
Archiv Michael Otto



# Onkyo High Fidelity

## Your Music Never Sounded Better



### Grand Integra M-510 Power Amplifier

Dual mono construction, separate power supply for meters and relays, protection systems, Linear Switching and waiting monitor, Real Phase circuitry, "direct" input jacks on rear panel, dimmer switch for front panel meter lighting, all gold plated input jacks on rear panel.

**Continuous output power:** 2 x 300W (20Hz — 20kHz, 8 ohms) 2 x 500W (1kHz, 4 ohms DIN) **THD at rated power:** 0.005% **IM distortion at rated power:** 0.003% **Frequency response:** 1Hz — 100kHz (+0, -1dB) **Damping factor:** 300 (8 ohms, 1kHz) **S/N ratio:** 120dB (A weighted) **Dimensions (W x H x D):** 507 x 264 x 512mm **Weight:** 63kg



A-G10 (BH)

### Grand Integra A-G10 Integrated Digital Amplifier

Opto-Drive differential amp stage, modular construction separates principle circuit blocks, twin true 18-bit Acculinear Opto-Drive D/A converters, wood grain side panels standard.

**Continuous output power:** 2 x 135W (20Hz — 20kHz, 8 ohms) 2 x 220W (1kHz, 4 ohms DIN) **THD at rated power:** 0.008% **IM distortion at rated power:** 0.005% **Frequency response:** 2Hz — 50kHz (+0, -3dB) **Phono overload:** 200mV RMS at 1kHz **S/N ratio:** 107dB (CD Direct) **Dimensions (W x H x D):** 477 x 183 x 453mm **Weight:** 32.0kg



P-308 (BH)/M-508 (BH)

### Integra P-308 Preamplifier

Super Servo loop, Delta Power Supply, charging noise filters, protection against flux leakage and interference, eight program inputs, dual recording selectors, two pairs of pre-out terminals (fixed and variable), independent stereo/mono mode switches for output-1 and output-2, Direct Tone control, 4-position phono cartridge selector (2 x MM, 2 x MC), "contra bass" switch, gold plated in/out jacks, line-2 input jacks provided on front panel.

**Frequency response:** 0.8Hz — 170kHz (+0dB, -3dB) **RIAA deviation:** ±0.2dB (20 — 20,000Hz) **THD:** (Phono MM) 0.0008% at 5V output **Phono overload:** (MM) 210mV RMS at 1kHz **S/N ratio:** (CD) 101dB **IM distortion:** (CD) 0.005% **Dimensions (W x H x D):** 465 x 103 x 403mm **Weight:** 8.5kg

### Integra M-508 Power Amplifier

Real Phase, Super Servo, Linear Switching for class A grade waveform linearity, independent left/right power supply construction, extra large, high speed peak power meters, heavy duty speaker terminals, fixed and variable inputs, OFF/A/B/A+B speaker selector, independent right and left channel level controls.

**Continuous output power:** 2 x 200W (20Hz — 20kHz, 8 ohms) 2 x 315W (1kHz, 4 ohms DIN) **THD at rated power:** 0.005% **IM distortion at rated power:** 0.005% **Frequency response:** 1Hz — 100kHz (+0, -1.5dB) **Damping factor:** 140 (8 ohms, 1kHz) **S/N ratio:** 120dB (IHF A) **Dimensions (W x H x D):** 465 x 185 x 426mm **Weight:** 25kg



P-304 (BH)/M-504 (BH)

### Integra P-304 Preamplifier

Built-in phono equalizer amplifier, subsonic feedback loop, Signal In-Phase filters, Delta Power Supply, Charging Noise filters, handles seven inputs, dual recording selectors, defeatable tone controls, discrete signal path circuitry, precision volume control marked in decibels, stereo/mono switch, high cut filter position on treble tone control, output switch.

**Frequency response:** 0.8Hz — 170kHz (+0dB, -3dB) **RIAA deviation:** ±0.2dB (20 — 20,000Hz) **THD:** (Phono MM) 0.0008% at 5V output **Phono overload:** (MM) 210mV RMS at 1 kHz **S/N ratio:** (CD) 100dB (IHF A-20) **IM distortion:** (CD) 0.005% **Dimensions (W x H x D):** 455 x 101 x 403mm **Weight:** 6.9kg

### Integra M-504 Power Amplifier

Dual mono construction, Real Phase circuitry, Linear Switching for waveform linearity, large, easy-to-read peak power meters, heavy-duty speaker terminals, high damping factor of 140 (8 ohms, 1kHz) for tight speaker control, four possible speaker settings (OFF/A/B/A+B).

**Continuous output power:** 2 x 165W (20Hz — 20kHz, 8 ohms) 2 x 250W (1kHz, 4 ohms DIN) **THD at rated power:** 0.005% **IM distortion at rated power:** 0.005% **Frequency response:** 1Hz — 100 kHz (+0, -1.5dB) **Damping factor:** 140 (8 ohms, 1kHz) **S/N ratio:** 120dB (IHF A) **Dimensions (W x H x D):** 455 x 184 x 422mm **Weight:** 21.0kg



P-304 (BH)/M-502 (BH)

### Integra M-502 Power Amplifier

Dual mono construction, Linear Switching, facilities for two stereo speaker systems, heavy duty speaker terminals, large, high damping factor for tight speaker control (140 at 8 ohms, 1kHz).

**Continuous output power:** 2 x 140W (20Hz — 20kHz, 8 ohms) 2 x 220W (1kHz, 4 ohms DIN) **THD at rated power:** 0.005% **IM distortion at rated power:** 0.004% **Frequency response:** 1Hz — 100kHz (+0, -1.5dB) **Damping factor:** 140 (8 ohms) **S/N ratio:** 120dB (IHF A) **Dimensions (W x H x D):** 455 x 185 x 423mm **Weight:** 18.5kg



### Grand Integra DX-G10 Compact Disc Player

DX-G10 (BH)

Discrete left and right channel true 18-bit Acculinear D/A converters with Opto-Drive™, Opto-Coupling™, 8-times oversampling digital filter, highly rigid, anti-resonant construction, high speed access linear motor, optical and electrical digital outputs, shuttle search, time search, fixed and variable analog output, wireless remote control RC-112C included, wood grain side panels included.

**Frequency response:** 2Hz — 20kHz **S/N ratio:** 110dB **Dynamic range:** 103dB **Channel separation:** 103dB (at 1kHz) **Total harmonic distortion:** 0.0015% (at 1kHz) **Dimensions (W × H × D):** 477 × 142 × 427mm **Weight:** 27kg



### Integra DX-7500 Compact Disc Player

DX-7500 (BH)

Discrete left and right channel true 18-bit Acculinear D/A converters with Opto-Drive™, Opto-Coupling™, 8-times oversampling digital filter, optical and electrical digital outputs, discrete power supplies for digital and analog blocks, 20-track programmable random music calendar, special vibration damping, wireless remote control included, RSsystem remote control compatible.

**Frequency response:** 2Hz — 20kHz **S/N ratio:** 110dB **Dynamic range:** 103dB **Channel separation:** 103dB (at 1kHz) **Total harmonic distortion:** 0.0015% (at 1kHz) **Dimensions (W × H × D):** 435 × 131 × 365mm **Weight:** 8.6kg



### Integra DX-5500 Compact Disc Player

DX-5500 (BH)

Discrete left and right channel true 18-bit Acculinear D/A converters with Opto-Drive™, Opto-Coupling™, 4-times oversampling digital filter, optical and electrical digital outputs, discrete power supplies for digital and analog blocks, 20-track programmable random music calendar, wireless remote control included, RSsystem remote control compatible.

**Frequency response:** 5Hz — 20kHz **S/N ratio:** 96dB **Dynamic range:** 96dB **Channel separation:** 96dB (at 1kHz) **Total harmonic distortion:** 0.003% (at 1kHz) **Dimensions (W × H × D):** 435 × 131 × 365mm **Weight:** 8.0kg



### DX-2500 Compact Disc Player

DX-2500 (BH)

Digital output, 10-key direct play, 10-key wireless remote control included, new fluorescent display with six-track random display and dual time counters, oversampling digital filter, three-beam laser pickup, 16-track random music memory with edit function, special vibration damping, three repeat play modes, forward/backward skipping by track, RSsystem remote control compatible.

**Frequency response:** 5Hz — 20kHz **S/N ratio:** 96dB **Dynamic range:** 95dB **Channel separation:** 95dB (at 1kHz) **Total harmonic distortion:** 0.004% (at 1kHz) **Dimensions (W × H × D):** 435 × 98 × 361mm **Weight:** 4.8kg



### DX-1500 Compact Disc Player

DX-1500 (BH)

Three-beam laser pickup, 16-track random music memory with edit function, oversampling digital filter, new fluorescent display with six-track random display and dual time counters, special vibration damping, three repeat play modes, forward/backward skipping by track, RSsystem remote control compatible.

**Frequency response:** 5Hz — 20kHz **S/N ratio:** 96dB **Dynamic range:** 95dB **Channel separation:** 90dB (at 1kHz) **Total harmonic distortion:** 0.004% (at 1kHz) **Dimensions (W × H × D):** 435 × 98 × 355mm **Weight:** 4.8kg



### Integra A-8800 Integrated Digital Amplifier

A-8800 (BH)

Opto-Drive™ differential amp stage, twin true 18-bit Acculinear Opto-Drive™ D/A converters, modular construction separates principle circuit blocks, pre-out and main-in terminals.

**Continuous output power:** 2 × 100W (20Hz — 20kHz, 8 ohms) 2 × 190W (1kHz, 4 ohms DIN) **THD at rated power:** 0.008% **IM distortion at rated power:** 0.005% **Frequency response:** 2Hz — 100kHz (0 +, -3dB) **Phono overload:** 200mV RMS at 1kHz **S/N ratio:** 107dB (CD Direct) **Dimensions (W × H × D):** 435 × 144 × 390mm **Weight:** 15.3kg



### Integra A-8190 Integrated Amplifier

A-8190 (BH)

Real Phase™ circuitry, Signal In-Phase filter, "direct in" circuit design for all inputs, "CD direct" switch, "Contra-Bass" and Direct Tone™ control, seven program inputs including video, Super Servo™, Delta Power Supply™, Linear Switching™, Charging Noise filter, pre-out terminals, two-position cartridge selector.

**Continuous output power:** 2 × 100W (20Hz — 20kHz, 8 ohms) 2 × 150W (1kHz, 4 ohms DIN) **THD at rated power:** 0.008% **IM distortion at rated power:** 0.005% **Frequency response:** 2Hz — 50kHz (+0, -1dB) **Phono overload:** 200mV RMS at 1kHz **S/N ratio:** 107dB (CD Direct) **Dimensions (W × H × D):** 435 × 157 × 396mm **Weight:** 15.2kg



### Integra A-8170 Integrated Amplifier

A-8170 (BH)

Signal In-Phase filter, "direct in" circuit design for all inputs, "CD direct" switch, "Contra-Bass" and Direct Tone™ control, seven program inputs including video, Super Servo™, Delta Power Supply™, Linear Switching™, Charging Noise filter, two-position cartridge selector.

**Continuous output power:** 2 × 80W (20Hz — 20kHz, 8 ohms) 2 × 120W (1kHz, 4 ohms DIN) **THD at rated power:** 0.008% **IM distortion at rated power:** 0.005% **Frequency response:** 2Hz — 50kHz (+0, -1dB) **Phono overload:** 200mV RMS at 1kHz **S/N ratio:** 107dB (CD Direct) **Dimensions (W × H × D):** 435 × 147 × 388mm **Weight:** 11.2kg



### A-8150 Integrated Amplifier

A-8150 (BH)

Discrete output stage, "CD direct" switch, Selective Tone Control, Signal In-Phase filter, Delta Power Supply™, direct MC phono cartridge input, input selector covers seven sources, front panel OFF/A/B/A + B speaker selection.

**Continuous output power:** 2 × 60W (20Hz — 20kHz, 8 ohms) 2 × 90W (1kHz, 4 ohms DIN) **THD at rated power:** 0.06% **IM distortion at rated power:** 0.06% **Frequency response:** 15Hz — 50kHz (±1dB) **Phono overload:** 150mV RMS at 1kHz **S/N ratio:** 95dB (CD Direct) **Dimensions (W × H × D):** 435 × 110 × 272mm **Weight:** 7.0kg



### A-8130 Integrated Amplifier

A-8130 (BH)

Discrete output stage, "CD direct" switch, Signal In-Phase filter, Delta Power Supply™, input selector covers seven sources, front panel OFF/A/B/A + B speaker selection.

**Continuous output power:** 2 × 40W (20Hz — 20kHz, 8 ohms) 2 × 55W (1kHz, 4 ohms DIN) **THD at rated power:** 0.08% **IM distortion at rated power:** 0.08% **Frequency response:** 15Hz — 50kHz (±1dB) **Phono overload:** 150mV RMS at 1kHz **S/N ratio:** 80dB (phono) **Dimensions (W × H × D):** 435 × 110 × 272mm **Weight:** 6.2kg



### Integra T-9090 II Quartz Synthesized FM Tuner

T-9090II (BH)

Computer-controlled five-mode APR system, SFR anti-microphonic circuit, dual antenna inputs, cable FM fine tuning, 51-key remote control included, 20-station memory and preset memory scan, adjustable output level, auto scan function, timer program preset tuning, wood grain side panels included.

**Usable sensitivity (IHF, mono):** 10.3dBf, 0.9µV **Capture ratio:** 1.0dB **Image rejection ratio:** 100dB **IF rejection ratio:** 100dB **S/N ratio:** 95dB (mono, IHF) **THD:** 0.009% (mono) **Stereo separation at 1kHz:** 55dB **Dimensions (W x H x D):** 465 x 103 x 387mm **Weight:** 8.5kg



### TX-850 Tuner Amplifier

TX-850 (BH)

Safely drives low impedance loads, 20-station FM/AM random preset tuning, APR,  $\square$  compatible, Dynamic Bass Expander, Stereo Image Expander, Selective Tone control, simulated stereo, 9 input sources. **Continuous output power:** 2 x 68W (20Hz — 20kHz, 8 ohms) 2 x 100W (4 ohms, 1kHz DIN) **THD at rated power:** 0.04% **IM distortion at rated power:** 0.04% **FM Sensitivity (IHF):** 10.8dBf, 1.9µV (mono) **FM S/N ratio:** 73dB (mono) **FM stereo separation at 1kHz:** 45dB **Dimensions (W x H x D):** 435 x 130 x 345mm **Weight:** 10.0kg



### Integra T-4150 Quartz Synthesized AM/FM Tuner

T-4150 (BH)

Separately grounded control circuit block prevents harmful current flow, four-gang variable capacitor used in front end, APR (Automatic Precision Reception) system, switchable between antenna attenuator on/off, front end design minimizes intermodulation distortion, low-noise display driver section, preset scan, four-segment signal strength meter.

**FM sensitivity (IHF):** 10.3dBf, 0.9µV **FM capture ratio:** 1.3dB **FM image rejection ratio:** 70dB **FM IF rejection ratio:** 90dB **FM S/N ratio:** 75dB (mono) **FM THD:** 0.1% (mono) **Stereo separation at 1kHz:** 45dB **Dimensions (W x H x D):** 435 x 72 x 368mm **Weight:** 3.7kg



### TX-830 Tuner Amplifier

TX-830 (BH)

Safely drives low impedance loads, 20-station FM/AM random preset tuning, APR,  $\square$  compatible, Selective Tone Control, simulated stereo, full logic selector keys for nine input sources including 2 VCRs. **Continuous output power:** 2 x 58W (20Hz — 20kHz, 8 ohms) 2 x 85W (4 ohms, 1kHz DIN) **THD at rated power:** 0.08% **IM distortion at rated power:** 0.08% **FM Sensitivity (IHF):** 11.2dBf, 2.0µV (mono) **FM S/N ratio:** 73dB (mono) **FM stereo separation at 1kHz:** 45dB **Dimensions (W x H x D):** 435 x 130 x 345mm **Weight:** 8.5kg



### T-4120 Quartz Synthesized AM/FM Tuner

T-4120 (BH)

20-station FM/AM random preset tuning, automatic scan tuning, enhanced fluorescent display, battery-free backup system to protect memory contents, built-in AM loop antenna.

**Sensitivity (FM mono, IHF):** 11.2dBf, 1.0µV **Capture ratio (FM):** 1.5dB **Image rejection ratio (FM):** 40dB **FM IF rejection ratio:** 90dB **FM S/N ratio:** 73dB (mono, IHF) **FM THD:** 0.1% (mono) **Stereo separation at 1 kHz:** 40dB **Dimensions (W x H x D):** 435 x 71 x 265mm **Weight:** 2.6kg



### TX-810 Tuner Amplifier

TX-810 (BH)

Safely drives low impedance loads, discrete output stage, Selective Tone Control, 20-station random preset tuning, APR, automatic scan tuning, FM/AM "tuned" indicator. **Continuous output power:** 2 x 45W (40Hz — 20kHz, 8 ohms) 2 x 70W (4 ohms, 1kHz DIN) **THD at rated power:** 0.1% **IM distortion at rated power:** 0.1% **FM Sensitivity (IHF):** 12.4dBf, 2.3µV (mono) **FM S/N ratio:** 70dB (mono) **FM stereo separation at 1kHz:** 40dB **Dimensions (W x H x D):** 435 x 110 x 317mm **Weight:** 7.0kg



### Integra T-4087 Quartz Synthesized AM/FM Tuner

T-4087 (BH)

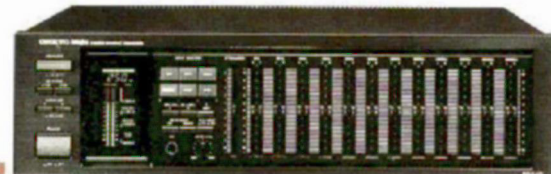
4-mode APR system, random 20-station memory with preset memory scan, automatic and manual tuning, five-segment signal strength indicator, dual gate MOS FET in RF amp, wood grain side panels (optional). **FM sensitivity (IHF):** 10.3dBf, 0.9µV **FM capture ratio:** 1.0dB **FM image rejection ratio:** 100dB **FM IF rejection ratio:** 100dB **FM S/N ratio:** 85dB (mono) **FM THD:** 0.03% (mono) **Stereo separation at 1kHz:** 45dB **Dimensions (W x H x D):** 435 x 77 x 372mm **Weight:** 4.3kg



### TX-80 Tuner Amplifier

TX-80 (BH)

APR system, Direct Tone control, five program inputs, 8 FM/AM station preset memory with battery-free backup. **Continuous output power:** 2 x 35W (40Hz — 20kHz, 8 ohms) 2 x 42W (4 ohms, 1kHz DIN) **THD at rated power:** 0.1% **IM distortion at rated power:** 0.1% **FM Sensitivity (IHF):** 12.4dBf, 2.3µV (mono) **FM S/N ratio:** 70dB **FM stereo separation at 1kHz:** 40dB **Dimensions (W x H x D):** 435 x 97 x 317mm **Weight:** 5.7kg



### Integra EQ-540 12-Band Graphic Equalizer

EQ-540 (BH)

Independent left and right channel level adjustment for 12 frequency bands, built-in equalizing reference oscillator, microphone included, optional wood grain side panels available.

**THD:** 0.01% (20Hz — 20kHz) **Center frequencies:** 16Hz, 32Hz, 64Hz, 125Hz, 250Hz, 500kHz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz, 32kHz (12 bands) **Adjustable range:**  $\pm 12 \pm 6$ dB **Dimensions (W x H x D):** 435 x 131 x 362mm **Weight:** 5.0kg



### EQ-240 Graphic Equalizer

EQ-240 (BH)

Seven independent frequency bands for each channel, LED indicators for each frequency band, seven-band spectrum analyzer display, equalizer bypass switch, tape deck input/output terminals. **THD:** 0.01% (20Hz — 20kHz) **Center frequencies:** 64Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz, 16kHz (seven bands) **Adjustable range:**  $\pm 12$ dB **Dimensions (W x H x D):** 435 x 71 x 275mm **Weight:** 2.9kg



### EQ-140 Graphic Equalizer

EQ-140 (BH)

Seven independent frequency bands for each channel, LED indicators for each frequency band, equalizer bypass switch, tape in/out terminals and monitor switch. **THD:** 0.01% (20Hz — 20kHz) **Center frequencies:** 63Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz, 16kHz (seven bands) **Adjustable range:**  $\pm 12$ dB **Dimensions (W x H x D):** 435 x 89 x 258mm **Weight:** 2.4kg

Optional wood grain side panels available.

\*patent pending \*\*patented

•Dolby, the double-D symbol, and HX PRO are trademarks of Dolby Laboratories Licensing Corporation.



### Integra TA-2800 (BH) 3-Head 3-Motor Cassette Deck

Three-motors, three-heads, Auto-Accubias<sup>®</sup>, Dolby B/C NR & HX Pro, wireless remote control, AMCS, 2 x 16-segment fluorescent peak level meter,  $\mathcal{R}$ 1 compatible, optional woodgrain side panels.  
**Wow and flutter:** 0.035% (WRMS) **Frequency response:** 20Hz — 21kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 132 x 366mm **Weight:** 6.2kg



### TA-RW470 (BH) Double Auto-Reverse Cassette Deck

Double quick auto reverse, real time tape counter, Dolby B/C NR, normal and high speed tape dubbing,  $\mathcal{R}$ 1 system remote control compatible, fully automatic tape type selection.  
**Wow and flutter:** 0.06% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 115 x 334mm **Weight:** 6.0kg



### Integra TA-2600 (BH) 3-Head 3-Motor Cassette Deck

Three-motors, three-heads, Accubias<sup>®</sup>, Dolby B/C NR & HX Pro, AMCS, 2 x 16-segment fluorescent peak level meter, multiplex filter,  $\mathcal{R}$ 1 system remote control compatible.  
**Wow and flutter:** 0.045% (WRMS) **Frequency response:** 20Hz — 20kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 132 x 366mm **Weight:** 5.8kg



### TA-W450 (BH) Double Cassette Tape Deck

High and normal speed dubbing, AMCS (Deck A), automatic tape selection,  $\mathcal{R}$ 1 system remote control compatible (Deck B functions), Dolby B/C NR.  
**Wow and flutter:** 0.07% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 107 x 253mm **Weight:** 4.6kg



### TA-2140 (BH) Cassette Tape Deck

Computer controlled mechanism, Accubias<sup>®</sup>, Dolby B and C NR and HX Pro, AMCS, real time tape counter, two repeat modes, mic mixing capability, auto space key, blank skip playback.  
**Wow and flutter:** 0.06% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 112 x 262mm **Weight:** 4.1kg



### TA-RW44 (BH) Double Auto-Reverse Cassette Deck

Quick auto reverse, optimized die-cast head mount, high and normal speed dubbing, record mute button, full auto-stop.  
**Wow and flutter:** 0.07% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 112 x 258mm **Weight:** 5.3kg



### TA-2130 (BH) Cassette Tape Deck

Computer controlled mechanism, Accubias<sup>®</sup>, Dolby B and C NR, AMCS, two repeat modes, mic mixing capability, auto space key, blank skip playback, fully automatic tape selection.  
**Wow and flutter:** 0.06% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 112 x 262mm **Weight:** 4.1kg



### TA-R240 (BH) Auto-Reverse Cassette Tape Deck

Computer controlled tape transport with two DC motors, quick auto-reverse, Accubias<sup>®</sup> with slider control, Dolby B and C NR, AMCS.  
**Wow and flutter:** 0.07% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 112 x 262mm **Weight:** 4.2kg



### TA-2120 (BH) Cassette Tape Deck

$\mathcal{R}$ 1 system remote control compatible, full logic computer control, Dolby B/C NR, two-mode repeat function (full cassette and block), 2 x 7-segment led peak level meter.  
**Wow and flutter:** 0.06% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 116 x 264mm **Weight:** 3.7kg



### TA-R260 (BH) Auto-Reverse Cassette Tape Deck

Computer controlled tape transport with two DC motors, quick auto-reverse, Accubias<sup>®</sup> with slider control, Dolby HX Pro, Dolby B and C NR, real time tape counter, AMCS.  
**Wow and flutter:** 0.07% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 112 x 262mm **Weight:** 4.2kg



### TA-RW490 (BH) Double Auto-Reverse Cassette Deck

Computer controlled tape transport with four DC motors, dual recording capability, double quick auto reverse, dual real time tape counters, Dolby B/C NR & HX Pro,  $\mathcal{R}$ 1 compatible.  
**Wow and flutter:** 0.06% (WRMS) **Frequency response:** 20Hz — 17kHz (metal tape) **S/N ratio:** 58dB (metal tape, Dolby NR off)  
**Dimensions (W x H x D):** 435 x 115 x 334mm **Weight:** 6.2kg



### Integra CP-1057F Fully Automatic Direct Drive Turntable

**Platter:** 33cm aluminum diecast  
**Wow and flutter:** less than 0.025% (WRMS)  
**Dimensions (W x H x D):** 442 x 160 x 410mm  
**Weight:** 8.8kg



### CP-1046F Fully Automatic Direct Drive Turntable

**Platter:** 31cm aluminum diecast  
**Wow and flutter:** 0.025% (WRMS)  
**Dimensions (W x H x D):** 418 x 132 x 376mm  
**Weight:** 6kg



### CP-1116A Auto-Return Turntable

**Platter:** 31cm aluminum diecast  
**Wow and flutter:** 0.045% (WRMS)  
**Dimensions (W x H x D):** 418 x 132 x 374mm  
**Weight:** 3.8kg



## Monitor 2001

### Three-Way, Bass Reflex Speaker System

35cm Pure Cross Carbon<sup>+</sup> woofer, 8cm plasma carbonite titanium midrange driver, 2.5cm plasma carbonite titanium tweeter, "Isolated Mounting" and tweeter "acoustic absorbers" attenuate unwanted resonances, crossover network employs oxygen free copper cable for all internal wiring.

**Impedance:** 6 ohms **Maximum input power:** 250W  
**Frequency response:** 25Hz — 50kHz **Dimensions**  
(W x H x D): 418 x 732 x 406mm **Weight:** 44.5kg



## Monitor 500X

### Two-Way, Bass Reflex Speaker System

23cm Pure Cross Carbon<sup>+</sup> woofer, 2.5cm plasma carbonite titanium dome tweeter, "Isolated Mounting" and resin concrete baffle board attenuate spurious resonances.

**Impedance:** 6 ohms **Maximum input power:** 200W  
**Frequency response:** 30Hz — 45kHz **Dimensions**  
(W x H x D): 257 x 452 x 308mm **Weight:** 16kg



## D-77XX (B)

### Three-Way, Bass Reflex Speaker System

Pure Cross Carbon<sup>+</sup> 31cm woofer and 12cm midrange, 2.5cm plasma carbonite titanium dome tweeter, 4.0cm-thick front baffle board with rounded edges suppresses spurious resonances.

**Impedance:** 6 ohms **Maximum input power:** 230W  
**Frequency response:** 28Hz — 45kHz **Dimensions**  
(W x H x D): 380 x 670 x 363mm **Weight:** 34kg



## D-66X

### Three-Way, Air Suspension Speaker System

26.5cm Pure Cross Carbon<sup>+</sup> woofer, 10cm pure carbon midrange, 2.5cm super hardened titanium dome tweeter, 3.0cm-thick baffle board with rounded edges for improved sonic imaging.

**Impedance:** 6 ohms **Maximum input power:** 160W  
**Frequency response:** 33Hz — 45kHz **Dimensions**  
(W x H x D): 325 x 590 x 291mm **Weight:** 20.0kg



## D-33X

### Three-Way, Air Suspension Speaker System with Magnetic Shielding

24cm Pure Cross Carbon<sup>+</sup> woofer, 10cm Refined Deltaolefin<sup>+</sup> midrange, 2.5cm super hardened titanium dome tweeter.

**Impedance:** 6 ohms **Maximum input power:** 150W  
**Frequency response:** 35Hz — 45kHz **Dimensions**  
(W x H x D): 295 x 530 x 269mm **Weight:** 11.5kg



## D-11X

### Three-Way, Air Suspension Speaker System with Magnetic Shielding

22cm Pure Cross Carbon<sup>+</sup> woofer, 2.5cm hardened titanium dome tweeter, 1.6cm ceramic super tweeter, 20mm-thick baffle board with rounded edges helps attenuate spurious resonances.

**Impedance:** 6 ohms **Maximum input power:** 140W  
**Frequency response:** 38Hz — 45kHz **Dimensions**  
(W x H x D): 268 x 480 x 262mm **Weight:** 8.5kg



## PS-O1X

### Three-Way, Air Suspension Speaker System

27cm High Crystal Deltaolefin<sup>+</sup> woofer, 7cm midrange, 1.6cm ceramic tweeter, rounded-edge baffle board suppresses spurious resonances.

**Impedance:** 6 ohms **Maximum input power:** 150W  
**Frequency response:** 36Hz — 20kHz **Dimensions**  
(W x H x D): 281 x 486 x 250mm **Weight:** 6.0kg



## D-200 Liverpool

### Two-Way, Bass Reflex Speaker System with Magnetic Shielding

16cm Pure Cross Carbon<sup>+</sup> woofer, 2.5cm hardened titanium dome tweeter, magnetic shielding eliminates interference from adjacent TV sets, etc.

**Impedance:** 6 ohms **Maximum input power:** 150W  
**Frequency response:** 38Hz — 45kHz **Dimensions**  
(W x H x D): 216 x 352 x 228mm **Weight:** 6.8kg



## System A7

**Amplifier:** A-8170(BH) **Tuner:** T-4150(BH) **Cassette deck:** TA-2600(BH) **CD player:** DX-5500(BH) **Speaker system:** D-77XX (or D-66X)



## System A5

**Amplifier:** A-8150(BH) **Tuner:** T-4120(BH) **TA-2120(BH) CD player:** DX-2500(BH) **EQ-240(BH) Speaker system:** S-44 Rac!



## S-44

### 3-Way, Bass Reflex Speaker System

27cm woofer, 10cm midrange, 7cm tweeter.

**Dimensions:**

**Weight:** 15.5

Compact Hi-Fi System

# System M70

## DX-M70 (BH) Compact Disc Player

•Opto-Coupling •16-bit two-times oversampling digital filter •Random Music Calendar •Random play function  
**Frequency response:** 5Hz — 20kHz **S/N ratio:** 96dB  
**Dynamic range:** 95dB **THD:** 0.0045 (at 1kHz)  
**Dimensions (W×H×D):** 360 × 86 × 340mm  
**Weight:** 3.7kg

## T-M70 (BH) Quartz Synthesized Tuner

•20-station FM/AM random preset memory •Auto search tuning •Battery free memory backup system  
**Usable sensitivity (FM mono):** 11.2dBf, 1.0µV (IHF)  
**50dB quieting sensitivity (FM mono):** 1.7µV, 75 ohms  
**Dimensions (W×H×D):** 360 × 73 × 342mm  
**Weight:** 2.7kg

## A-M70 (BH) Integrated Amplifier

•50W/ch., min. RMS, 0.15% THD, into 8 ohms •"CD Direct" switch •Selective Tone Control •Surround sound  
**IM distortion at rated power:** 0.1% **Dimensions (W×H×D):** 360 × 116 × 347mm **Weight:** 5.7kg

## TA-M70 (BH) Double Cassette Deck

•Dual reversible record/playback mechanisms •Twin Real Time counters •Full Synchro Dubbing  
 •High/normal speed dubbing  
**Wow and flutter (WRMS):** 0.06% **Frequency response (metal):** 20Hz — 17kHz **Dimensions (W×H×D):** 360 × 132 × 341mm **Weight:** 5.2kg  
 •SX-100 and SX-70 Danish made speaker systems available for the European market.

**System Dimensions (W×H×D):** 360 × 407 × 347mm

Integra Hi-Fi System

# System 89A

**Amplifier:** A-8170(BH) **Tuner:** T-4150(BH) **Cassette deck:** TA-2600(BH) **CD player:** DX-5500(BH)



Tuner Amp Hi-Fi System

# System 89B

**Tuner amplifier:** TX-830(BH) **Cassette deck:** TA-W450(BH) **CD player:** DX-1500(BH)



## System X5

**Tuner amplifier:** TX-850(BH) **Cassette deck:** TA-2600(BH) **CD player:** DX-2500(BH) **Speaker system:** D-66X (or D-35X)



## System X3

**Tuner amplifier:** TX-830(BH) **Cassette deck:** TA-W450(BH) **Equalizer:** EQ-240(BH) **CD player:** DX-1500(BH) **Speaker system:** D-11X

© beim Hersteller  
Archiv Michael Otto



## System A3

**Cassette deck:** TA-2120(BH) **Amplifier:** A-8130(BH) **Tuner:** T-4120(BH) **Equalizer:** EQ-140(BH) **Speaker system:** S-590 **Rack:** UR-2



## System X1

**Tuner amplifier:** TX-810(BH) **Cassette deck:** TA-2120(BH) **Equalizer:** EQ-140(BH) **Speaker system:** S-590 **Rack:** UR-2



### S-590

**3-Way, Bass Reflex Speaker System**  
25cm woofer, 8cm tweeter, 5cm supertweeter.

**Dimensions (W×H×D):** 340×800×314mm  
**Weight:** 12.4kg

### UR-2

**Rack**  
**Dimensions (W×H×D):** 487×820×436mm

**Dimensions (W×H×D):** 370×800×314mm

## Accessories



### DM-180

#### Dynamic Microphones

These sturdy, heavy duty microphones are ideal for all general recording applications.

#### Wood Grain Side Panels

These easy-to-attach wood grain side panels come in several sizes. Custom designed to match a variety of Onkyo components, they will add a touch of warmth and elegance to any listening room.

Side Panels	Model
<b>CW-CK50</b>	TA-2800
	TA-2600
	EQ-540
	DX-7500
	DX-5500
<b>CW-P304</b>	P-304
<b>CW-M504</b>	M-502, M-504
<b>CW-A90</b>	A-8190
<b>CW-T87</b>	T-4087

<p><b>AS-2001</b> Speaker Stand Designed expressly for the Monitor-2001.</p>	<p><b>AS-500H</b> Speaker Stand Designed expressly for the Monitor-500X.</p>	<p><b>AS-77DX(B)</b> Speaker Stand Designed expressly for the D-77XX</p>
<p><b>AS-77</b> Speaker Stand Suitable for the D-77XX.</p>	<p><b>AS-66</b> Speaker Stand Suitable for the D-66X.</p>	<p><b>AS-55X</b> Speaker Stand Suitable for D-33X and D-11X.</p>
<p><b>AS-104</b> Audio Stabilizer For amplifiers, CD players and other HiFi components.</p>	<p><b>AS-108</b> Audio Stabilizer For speaker systems.</p>	

## RC-AV10M

### Programmable Universal Remote Control



If your coffee table is overflowing with infrared remote controls, relief is in sight. Now one remote is all you need. Onkyo's RC-AV10M and RC-AV1M universal programmable remote control units can take the place of virtually any infrared remote made by Onkyo or any other manufacturer. Choose between the RC-AV1M which lets you program up to 103 separate functions and the RC-AV10M

with 55 functions.

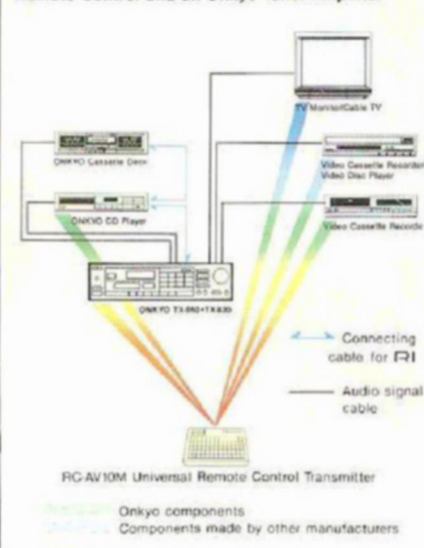
All IR system remote control commands are preprogrammed on the RC-AV10M and can be replaced with other control codes if desired. With the growing number of infrared remote controlled A/V components, a unifier such as the RC-AV10M or RC-AV1M is nothing short of essential.

## RC-AV1M

### Programmable Universal Remote Control



#### Example System Featuring the RC-AV10M Universal Remote Control and an Onkyo Tuner Amplifier



\*There may be some cases of incompatibility depending on the type of component.

## ONKYO CORPORATION

International Division, No. 24 Mori Bldg., 23-5,  
Nishi-Shimbashi 3-chome, Minato-ku, TOKYO 105, JAPAN  
Tel. 03-432-6987 Fax: 03-436-6979 TLX: 242-3551 ONKYO J  
**ONKYO U.S.A. CORPORATION**  
200 Williams Drive, Ramsey, N.J. 07446, U.S.A.  
Tel. 201-825-7950 Fax: 201-825-8150  
**ONKYO DEUTSCHLAND GMBH ELECTRONICS**  
Industriestrasse 20, 8034 Germering, WEST GERMANY  
Tel. 089 84 93 20 Fax: 089 84 93 226 TLX: 05-21726 ONKY D  
**ONKYO EUROPE GMBH**  
Heilersbergstrasse 4 4040, Neuss, WEST GERMANY  
Tel. 02101 12 00 75 Fax: 02101 10 33 06 TLX: 85 17 916

\*Specifications and design are subject to change without notice.  
\*Consult your Onkyo dealer for the power supply in your area.

Catalog No. 8C15  
Printed in Japan  
01-86-60K-NW

