

# MCS-1330

Mini Component System

Mini Component System  
**MCS-1330**

NEW PRODUCT BULLETIN



## Smooth.

One word defines this system. The smooth integration of iPod with a high performance system. The smooth sound of the soft dome/aluminium cone speakers. And the smooth, glossy piano finish.

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• iPod not included with MCS-1330.

## Reverse it.

You decide which goes on top.  
Choose the look you like. Or change it now and then.



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iPod meets HiFi.

The ideal system for iPod lovers. Easy, convenient, and sensational sound.



The Mini Component System unlike any other. The two super-slim components let you enjoy iPod, CD and USB sources with 60W of power and magnificent quality. The speakers are so good they could be used with any premier-class audio system.



## Design

- Slimmest (60mm height) Receiver and CD Player
- Stack either on top for the look you prefer
- Yamaha traditional Piano Black and White finish (same process as used on Yamaha grand pianos) plus real wood dark brown finish
- Easy, user-friendly design: linked power on

## Receiver

- Super high quality discrete digital amplifier with new modulator LSI and finest parts used throughout
- 60W x 2 high power output
- iPod direct docking via top panel universal dock
- Pure Direct
- Gold-plated input terminals
- Gold-plated speaker terminals
- Aluminium front panel, knobs and remote unit

## CD Player

- High precision CD drive
- Burr-Brown DAC (DSD1791), the same used in top-class components
- USB Port on front panel
- Independent-structure power unit
- Gold-plated output terminals
- Aluminium front panel

## Speakers

- Clear sound balance: 13cm aluminium cone woofer and 2.5cm soft dome tweeter
- VCCS (Vibration Control Cabinet Structure) technology: pure sound quality in all ranges
- Gold-plated screw-type speaker terminals
- Yamaha custom-made speaker cable included

## DESIGN

### Innovative Design Gives You Several Choices

With the MCS-1330, you get not only a great-sounding system, a great-looking one as well...and you can choose the look you want! Both the Receiver and CD Player are offered in black and silver, and the speakers in three different finishes, so you can choose the combination that most appeals to you. The Receiver and CD Player are slim and elegant, and can be stacked with either one on top. If you will not be using an iPod, put the CD Player on top so the two displays are in the centre.

The speakers feature Yamaha's traditional Piano Finish, applied using the same process that we use on our grand pianos. This high-gloss finish provides a truly luxurious appearance. The speaker grilles have been minimised to hide the beautiful baffle as little as possible; they are also removable.

### Easy Operation Via the Remote Unit

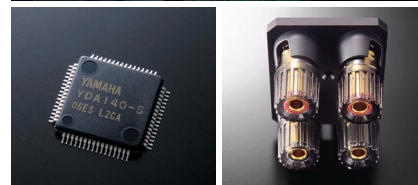
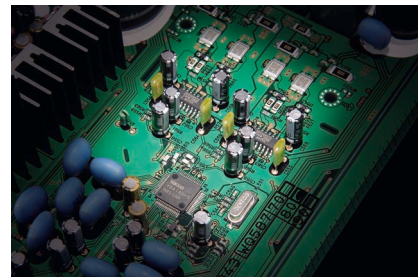
The remote unit controls both components; even the dimmer control works for both. If you select the tuner when a CD is playing, the CD turns off automatically. The iPod control section is designed to look like that of an iPod. The remote unit is made of aluminium, for a high quality look and feel.

## RECEIVER

**Super High Quality Discrete Digital Amplifier with New Modulator LSI and Finest Parts Used Throughout**  
Even though the Receiver is an extremely thin mini component only 60mm high, it

delivers 60W x 2 power output thanks to the use of a digital amplifier. At the core of this amplifier is Yamaha's new YDA140 modulator LSI in a discrete configuration. Employing a Constant Gain Modulator Circuit, a Cross-Feedback Loop, and an Advanced Analogue Feedback Circuit, it achieves superior audio characteristics (e.g. distortion of less than 0.01%). The Constant Gain Modulator Circuit resolves the usual drawback of digital amp open loop gain and linearity being dependent on power supply voltage, ensuring stable overall feedback characteristics. The digital pulse output is fed back by a Cross-Feedback Loop, improving the linearity of the output stage and of the modulator circuit. The Advanced Analog Feedback Circuit ensures a high damping factor without load impedance dependency.

Signal purity is also ensured through the use of a large, custom-made power transformer and capacitors (they extend right to the inside cover of the receiver), a one-point earthing system, and a high stability chassis design. The large speaker terminals are gold-plated and have separated insert directions for optimum connections, and even the speaker cable is specially made for this system.



R-1330 (MCS-1330 receiver) discrete digital amplifier circuit (YDA140 modulator LSI, two FET driver ICs and four FETs [top, bottom left]) and gold-plated speaker terminals with separated insert directions (bottom right).

### iPod Direct Docking on the Top Panel

A universal iPod dock is on the top of the receiver. When the receiver is in standby mode and you insert your iPod while it is playing, the receiver turns on and you can enjoy your music with enhanced power and clarity. A Play/Pause button is also provided. You can operate the iPod from the system remote, and the iPod charges while in use.

### Pure Direct

Pure Direct increases sound purity by optimising the music signal circuitry and controlling the power supply to make it the most essential system.

### R-1330 (MCS-1330 Receiver) Rear Panel



• Rear panel is depending on areas. • Banana-plug compatible speaker terminals are not available in some areas.

## CD PLAYER

### High Precision CD Drive

Improvements to the operating software of the CD pickup have reduced pickup operating sound during performance. You get top operational performance as well as a satisfying operating feel.

### High Performance DAC

The digital-to-analog converter is a major determinant of sound quality. For the MCS-1330, Yamaha chose the Burr-Brown DSD1791, an extremely high performance DAC. It uses advanced segment DAC architecture to achieve excellent dynamic performance and high tolerance to clock jitter. With this DAC, you hear the fine sound quality you expect from a high-grade component.



### USB Port on the Front Panel

A USB port is provided on the front panel for connecting USB memory devices and portable audio players. You can play music in MP3 and WMA formats, and see the USB file list, song titles, artist names and album names on an on-screen display.



### Independent-Structure Power Unit

The triple wire-wound power transformer made especially for this machine separates the power circuits for audio circuit use, digital circuit use and transport use to eliminate interference

between the stages; interference which degrades sound quality. The audio unit has a new non-feedback power supply with a discrete structure that contributes to dynamic sound with low power loss.

### Aluminium Front Panel

The aluminium front panel provides an elegant look and helps to improve sonic performance.

### Gold-Plated Output Terminals

The CD Player uses high-grade gold-plated output terminals that provide a secure connection and ensure high quality signal transmission.

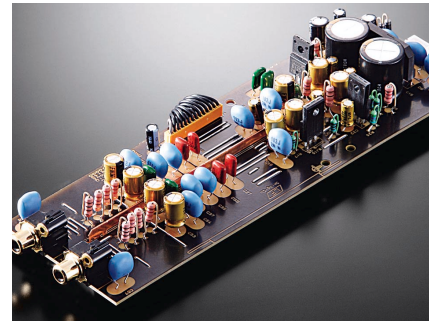
## SPEAKERS

### Superb Sound Quality in All Ranges

The speakers use a large 13cm aluminum cone that provides extremely fast attack time (sound response) for clear and precise midrange and bass. The tweeter is a 2.5cm soft dome that conveys all the high range subtleties of the human voice. The port on the back assists in bass dispersion—examine this port and you'll see that this is a high-grade speaker.

### Superior Cabinet

Speaker cabinets vibrate, degrading



CD-1330 (MCS-1330 CD player) independent-structure power unit (top) and CD trans board (bottom).

sound quality. To overcome this, Yamaha developed an internal structure called VCCS (Vibration Control Cabinet Structure), which uses strategically placed pieces of a composite material that provides excellent vibration isolation performance. Their shapes, positions and angles were arrived at after a long process of experimentation. The result is that cabinet vibration has been greatly reduced, considerably enhancing sound quality (for more details, see back page).

### CD-1330 (MCS-1330 CD Player) Rear Panel



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## Main Specifications

Receiver: R-1330		
Minimum RMS Output Power(6 ohms, 1 kHz, 0.5% THD)	60 W + 60 W (20 kHz LPF)	
Max Power (for Europe) (4 ohms, 1 kHz, 0.7% THD)	70 W + 70 W (20 kHz LPF)	
Max Power (6 ohms, 1 kHz, 10% THD)	70 W + 70 W (20 kHz LPF)	
Dynamic Power per Channel (8/6/4/2 ohms)	70 W/90 W/100 W/140 W	
Input Sensitivity/Impedance (Phono MM)	3.5 mV/47 k-ohms	
	(CD)	200 mV/47 k-ohms
Maximum Input Signal (CD, etc., 1kHz, 0.5% THD)	2.8 V	
Frequency Response (CD, 10 Hz-40 kHz)	±3 dB	
Total Harmonic Distortion (1 kHz, CD to Sp Out)	0.01% (10 W/6 ohms, 20 kHz LPF)	
	[IHF-A-Network, 20 kHz LPF]	
Signal-to-Noise Ratio (Phono MM, Input Shorted)	80 dB (5 mV)	
	(CD, Input Shorted)	100 dB (200 mV)
RIAA Equalisation Deviation (Phono MM)	±1 dB	
FM 50dB Quieting Sensitivity (Mono, 1 kHz, 100% Mod.)	2.8 µV (20.2 dBf)	
FM Signal-to Noise Ratio (Mono / Stereo)	73 dB / 70 dB	
FM/AM Tuner	Yes (AM tuner is not available on European model.)	
Dimensions (W x H x D)	300 x 67 x 336 mm	
Weight	5.8 kg	

CD Player: CD-1330		
Frequency Response	CD	2 Hz-20 kHz
Harmonic Distortion	CD (1 kHz)	0.003%
Signal-to-Noise Ratio	CD	105 dB
Dynamic Range	CD	100 dB
Output Level	CD (1 kHz, 0 dB)	2 ± 0.3 V
Dimensions (W x H x D)		300 x 67 x 310 mm
Weight		3.8 kg

Speakers: NS-BP400		
Woofer		13cm cone
Tweeter		2.5cm dome
Nominal Input Power		60 W
Maximum Input Power		120 W
Frequency Response		50 Hz-30 kHz
Sensitivity		85 dB/2.83 V/m
Impedance		6 ohms
Dimensions (W x H x D)		176 x 310 x 330 mm
Weight		5.9 kg/unit

## Which Appearance is Best? You Decide!

The MCS-1330 gives you a great deal of flexibility in achieving the appearance that most appeals to you. The speakers are available with Piano Black, Piano White and Real Wood Dark Brown finishes, while the Receiver and CD Player are offered in black and silver. You can choose any combination of these colours. The front panels of the Receiver and CD Player also give you a different look depending on which you stack on top. And you can remove the speaker grilles. Experiment to find the style you like...or change it as the fancy strikes you.



Silver receiver and CD player plus Piano Black speakers

Silver receiver and CD player plus Piano White speakers

Silver receiver and CD player plus dark brown speakers



Black receiver and CD player plus Piano Black speakers

Black receiver and CD player plus Piano White speakers

Black receiver and CD player plus dark brown speakers

• Product colour and finish availability varies by area.

## VCCS (Vibration Control Cabinet Structure) Technology

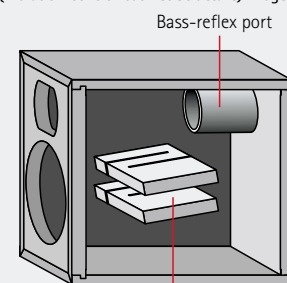
No matter how good the music source, amplifier and speakers are, speaker cabinet vibration will affect the sound, usually for the worse and sometimes quite a lot. Limiting this vibration, especially on the long side of the cabinet, is thus very important. Adding internal reinforcements haphazardly does no good and using conventional rubber and other damping materials has a shortcoming: it is effective across all frequency bands, while the vibration only affects a narrow band (generally around 500Hz).

The Yamaha speaker team attacked this problem by developing an internal structure called VCCS (Vibration Control Cabinet Structure), which uses strategically placed pieces of a composite material that provides excellent vibration isolation performance. Their shapes, positions and angles were arrived after a long process of experimentation.

The result is that unwanted cabinet vibration has been greatly reduced. The sound you hear from the 13cm woofers and 2.5cm soft dome tweeters is not negatively affected by the cabinet, putting these system speakers truly in a class of their own, with clear, powerful sound

that will first surprise you and then delight you.

VCCS (Vibration Control Cabinet Structure) Image



Strategically positioned composite material

• iPod is a trademark of Apple Inc., registered in the U.S. and other countries. • iPod not included with MCS-1330. • Product designs and specifications are subject to change without notice.