

High performance receiver offering a wide range of entertainment possibilities including CINEMA DSP for realistic movie sound and iPod compatibility via the optional Yamaha YDS-10.



1 Advanced Facilities

- Compressed Music Enhancer
- Compatible with iPod via optional Yamaha YDS-10
- Front panel mini jack for portable player connection
- On-screen display

2 High Sound Quality

- 6.1-channel, powerful surround sound: 570W=95W x 6 RMS; 810W=135W x 6 Max
- Digital ToP-ART and High Current Amplification
- Direct Stereo for high quality 2-channel sound reproduction
- 192kHz/24-Bit DACs for all channels

3 High Picture Quality

- HDTV compatible 3 component video inputs
- Component video up-conversion
- Digital video processing with TBC (Time Base Corrector)

4 Surround Realism

- Quad-Field CINEMA DSP and 14 surround programmes
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA
- Audio Delay for adjusting lip-sync (0-160ms)

Decoder Straight

- Dolby Digital
- Dolby Digital EX
- DTS Digital Surround
- DTS 96/24
- DTS-ES Matrix 6.1
- DTS-ES Discrete 6.1
- Dolby Pro Logic
- Dolby Pro Logic II Music
- Dolby Pro Logic II Movie
- Dolby Pro Logic II Game
- Dolby Pro Logic IIx Music
- Dolby Pro Logic IIx Movie
- Dolby Pro Logic IIx Game
- DTS Neo:6 Music
- DTS Neo:6 Cinema

HiFi DSP Programmes

- | | |
|---------------|--------------------|
| MUSIC | 5 |
| ENTERTAINMENT | ● Hall in Vienna |
| STEREO | ● The Roxy Theatre |
| | ● The Bottom Line |
| | ● Disco |
| | ● 6-Channel Stereo |

CINEMA DSP Programmes

- | | |
|---------------|--------------|
| ENTERTAINMENT | 9 |
| MUSIC | ● TV Sports |
| | ● Mono Movie |
| | ● Game |
| | ● Pop/Rock |
| | ● Spectacle |
| | ● Sci-Fi |
| | ● Adventure |
| | ● General |
| STANDARD | ● Enhanced |

Programme Total

- 14
- HiFi DSP Programmes
 - Tri-Field CINEMA DSP
 - CINEMA DSP
 - Quad-Field CINEMA DSP



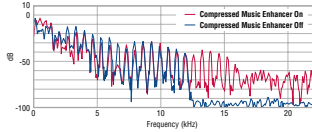
Gold finish available in some areas

d-cinema "d-cinema" is the slogan of Yamaha AV products and technology, reflecting our focus on digital technology and our leadership in creating and refining digital home theatre.

Advanced Facilities

Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with our exclusive algorithms to enable playback that improves compressed music quality.



On-Screen Display

The receiver displays operating status, iPod operating commands and radio information (varies by area) on the screen. This is very convenient, because you can make the receiver settings while viewing the screen.

High Sound Quality

Digital ToP-ART and High Current Amplification

The Digital ToP-ART design concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. High Current Amplification uses superior components to achieve high current power with low impedance from power supply circuit to speaker terminals.

DIGITAL
TOP-ART

Direct Stereo

Direct Stereo causes the input stereo signal to bypass the DSP circuitry so the pure signal is output without any processing or data loss whatsoever.

192kHz/24-Bit DACs for All Channels

This receiver uses extremely high performance 192kHz/24-bit DACs for all channels. They perform accurate sound field



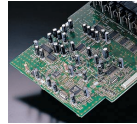
High grade Burr-Brown DAC and ADC devices

reproduction for high quality multi-channel sources, and for two-channel stereo, provide outstanding separation and precise musical delineation. They deliver superior low level linearity with excellent full-scale performance.

High Picture Quality

HDTV Compatible 3 Component Video Input Terminals (Fixed and Assignable)

This model has three component video inputs instead of the usual one or two. You can enjoy three different sources without having to change connections.



Digital processing video circuit board

Component Video Up-Conversion

Component video up-conversion (composite to S-Video and component, S-Video to component) as well as down video conversion (S-video to composite) is automatically applied to incoming signals.

Digital Video Processing with TBC

Analog Devices' high performance encoder and decoder digitally processes the video signal to ensure high image quality. A Time Base Corrector (TBC) eliminates time base errors such as curved or bent lines that should be straight.



Without TBC



With TBC

Surround Realism

High Performance CINEMA DSP LSI

This receiver uses Yamaha's recently developed LSI with 64-bit floating point quantization processing, for high speed, high density digital sound field processing.



New CINEMA DSP LSI

Quad-Field/Tri-Field CINEMA DSP and 14 Surround Programmes

Yamaha's ultra-sophisticated Quad-Field and Tri-Field CINEMA DSP technology creates thrillingly realistic soundscapes in your room. 14 surround programmes provide full format compatibility and extensive listening choices.

Other Notable Features

- Front panel mini jack for portable player connection
- Front panel video aux terminals
- Night Listening Enhancer (Cinema and Music) and SILENT CINEMA
- Virtual CINEMA DSP
- Audio Delay for adjusting lip-sync (0-160ms)
- Preset remote unit with illuminated input indicators
- Selectable 9-subwoofer crossover frequencies (40, 60, 80, 90, 100, 110, 120, 160, 200 Hz) / Subwoofer phase select
- Sleep timer
- 40-station preset tuning
- Auto preset tuning

Universal Dock for iPod

YDS-10

The optional YDS-10 Universal Dock lets you connect your iPod to this receiver. You can listen to your iPod music and watch iPod images and movies on your monitor via the receiver. You can also operate your iPod via the receiver's remote unit with the On-Screen Display and charge your iPod.

Works with:

- iPod nano
- iPod mini
- iPod (Click and Wheel)

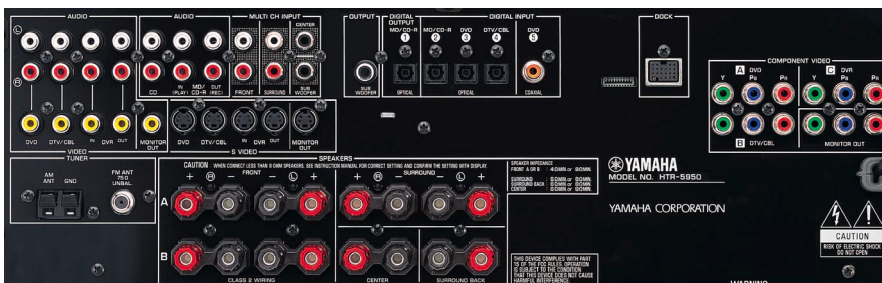


iPod not included



Main Specifications

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|--|-------------------------|
| Minimum RMS Output Power | |
| (8 ohms, 20 Hz-20 kHz, 0.06% THD) | |
| Front L/R Channels | 95 W + 95 W |
| Centre Channel | 95 W |
| Surround L/R Channels | 95 W + 95 W |
| Surround Back Channel | 95 W |
| Maximum Output Power per Channel [for Europe] | |
| (4 ohms Load/8 ohms Position, 1 kHz, 0.7% THD) | |
| Front L/R Channels | 145 W + 145 W |
| Centre Channel | 145 W |
| Surround L/R Channels | 145 W + 145 W |
| Surround Back Channel | 145 W |
| Maximum Power (8 ohms, 1 kHz, 10% THD) | |
| Front L/R Channels | 135 W |
| Centre Channel | 135 W |
| Surround L/R Channels | 135 W |
| Surround Back Channel | 135 W |
| Dynamic Power (1 kHz) | |
| 8/6/4/2 ohms | 130/165/195/240 W |
| Damping Factor | |
| (8 ohms, 20 Hz-20 kHz) | 120 (speaker A) |
| Frequency Response | 10 Hz-100 kHz +0, -3 dB |
| Total Harmonic Distortion (CD, Front Sp Out) | |
| (50 W/8 ohms) | 0.06% |
| Signal-to-Noise Ratio (CD) | |
| | 100 dB (250 mV) |
| Monitor Out Frequency Response | |
| Component Video Signal | 5 Hz-60 MHz -3 dB |
| Standby Power Consumption | 0.1 W |
| Dimensions (W x H x D) | 435 x 161 x 391 mm |
| Weight | 10.5 kg |



| | | | | | |
|---------------|--|-------|----------------|--|------------|
| Inputs | Dock Terminal for YDS-10 | 1 | Outputs | Analogue A/V / Audio | 1 / 1 |
| | Optical Digital (Fixed and Assignable) | 3 | | Optical Digital (Fixed and Assignable) | 1 |
| | Coaxial Digital (Fixed and Assignable) | 1 | | S-Video | 1 |
| | S-Video | 3 | | Component Video Monitor | 1 |
| | Analogue A/V / Audio* | 4 / 2 | | S-Video / Composite Monitor | 1 / 1 |
| | Component Video (Fixed & Assignable) | 3 | | Speaker (without subwoofer) | 6ch/8 ter. |
| | Multi-Channel External Decoder | 6ch | | Subwoofer | 1 |

* Including front panel Video Aux terminals.

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