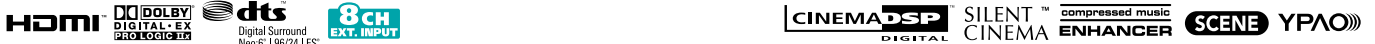


7.1-channel amplifier with an extensive range of home theatre functions including Yamaha's new SCENE, 1080p-compatible HDMI, improved YPAO sound optimisation and iPod compatibility.



## 1 Advanced Features

- 4 SCENE buttons on front panel and remote unit offering easier operation
- iPod compatibility via optional Yamaha YDS-10
- iPod song titles displayed on front panel and OSD (On-Screen Display)
- Improved YPAO supporting low frequency to 31.5Hz with auto setup
- Direct-access (macro-command, learning and preset capable) remote unit

## 2 High Sound Quality

- 7-channel 630W powerful surround sound (90W x 7)
- Pure Direct for high quality sound reproduction
- Digital ToP-ART and High Current Amplification
- HDMI Ver. 1.2a with support for Super Audio CD
- Burr-Brown 192kHz/24-bit DACs used in all channels
- Assignable amplifiers for bi-amp connection

## 3 High Picture Quality

- 1080p-compatible HDMI (2 in/1 out)
- Video upconversion and component video output with TBC (Time Base Corrector)
- 3 HDTV compatible component video inputs

## 4 Surround Realism

- Upgraded CINEMA DSP with 17 DSP programmes
- Compressed Music Enhancer
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA
- Audio Delay for adjusting lip-sync (0–160ms)

### 17 DSP Programmes

#### Compatible Decoder Straight

- Dolby Digital
- Dolby Digital EX
- DTS Digital Surround
- DTS-ES Matrix 6.1
- DTS-ES Discrete 6.1
- DTS 96/24
- 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

- CLASSICAL
  - Hall in Munich
  - Hall in Vienna
  - Chamber
  - Cellar Club
- LIVE/CLUB
  - The Roxy Theatre
  - The Bottom Line
- STEREO
  - 7 Channel Stereo

#### CINEMA DSP Programmes

- MOVIE
  - Standard
  - Spectacle
  - Sci-Fi
  - Adventure
  - Drama
  - Mono Movie
  - Sports
  - Action Game
- ENTERTAINMENT
  - Roleplaying Game
  - Music Video

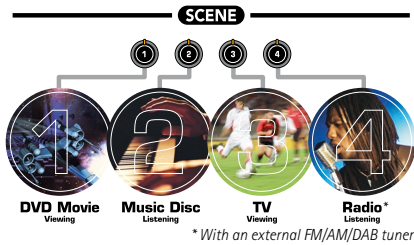
#### DSP Programme Total 17

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

## Advanced Features

### SCENE — A New Level of Operating Ease

Four SCENE buttons make operating the amplifier easier than ever. They are initially set to default settings for DVD Movie Viewing, Music Disc Listening, TV Viewing and Radio Listening. Pressing a SCENE button automatically launches a number of operations that initiate play of the source controlled by that button. Other SCENE settings are also available, such as iPod Listening, TV Sports Viewing and Action Game Playing. Browsing and selecting the settings is quickly accomplished by rotating the Input knob and watching the on-screen display. The settings can be selected for one-time use, or they can replace the original default settings. The SCENE names can be changed also.



### Improved YPAO Sound Optimisation

The DSP-AX761 has an improved YPAO system that automatically selects the crucial frequency bands for the listening room, and adjusts the level of the selected bands to create a cohesive sound field in the room. You can vary the type of the parametric equaliser adjustment among Natural, Flat and Front.

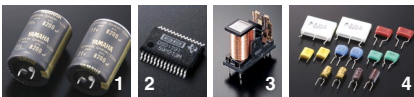
### Direct Access Remote Control Unit

The remote unit can "learn" the functions of other components, so you can use it as a single remote for the entire system. The buttons in the component control area have different functions for each type of component, selected by pressing the input button. The input name is shown in the LCD window, and you can change each name. The remote unit includes Macro-Command buttons that can be programmed for faster operation.

## High Sound Quality

### Digital ToP-ART with Superior Audio-Grade Parts and Devices Used Throughout

Yamaha's Digital ToP-ART concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. These include an 8,200µF custom-made block capacitor (1), high grade Burr-Brown DACs (2), and two direct signal path speaker



relays (3) and other high quality audio-grade parts (4). High Current Amplification uses superior components to achieve high current power and low impedance from the power supply to the speaker terminals.

### Pure Direct for Highest Sound Quality

Pure Direct is a special amplifier mode that causes the signal to bypass all but the most basic audio circuitry, and even turns off the display to prevent any chance of noise interference. It provides the purest possible high-fidelity sound from all sources including HDMI inputs.

### HDMI Ver. 1.2a with Support for Super Audio CD

This amplifier incorporates the High-Definition Multimedia Interface (HDMI) 1.2a specification. Listeners can enjoy crystal-clear, digital audio quality via a single HDMI cable, including Super Audio CD.

### Bi-Amping Assignability

Bi-amping is an advanced feature that lets you enjoy superior sound quality. It assigns the surround back channels to provide separate low frequency and mid/high frequency allocation to the front channels, thus improving sound clarity in all frequency ranges.

## High Picture Quality

### 1080p-Compatible HDMI Inputs and Output

This amplifier features dual HDMI inputs and one output that support 1080p (1,920 x 1,080 progressive) resolution so users can connect two HDMI sources, such as a DVD player and a high definition set-top box, and enjoy the highest possible quality with a 1080p display.

### Video Upconversion and Component Video Output with TBC

The DSP-AX761 is equipped with high-definition video upconversion circuitry incorporating high-performance video encoder/decoders from Analog Devices. A Time Base Corrector (TBC) transforms degraded analogue video signals into a stable format for distortion-free viewing.

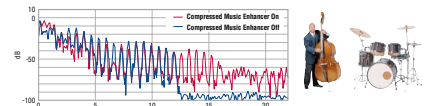
## Surround Realism

### Upgraded CINEMA DSP Programmes

Yamaha's popular CINEMA DSP programmes have been upgraded for this amplifier. Action and Roleplaying games deliver awesome sound with the latest game machines. Other programmes have been fine-tuned for even better sound and revised for easier selection.

### 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 exclusive algorithms, enabling faithful reproduction of the original music, for the excellent sound quality expected from top class components.



The Compressed Music Enhancer restores the original, live sound of your music, especially deep, strong sounds like bass and drums.

### Other Notable Features

- On-screen display
- Burr-Brown 192kHz/24-bit DACs used in all channels
- Assignable amplifiers for bi-amp connection
- Initial Volume Setting for setting the volume at power on
- Maximum Volume Setting for preventing over-loud sounds
- YPAO Setup Menu appears with then YPAO mic is plugged in
- 3 HDTV compatible component video inputs
- Aluminium front panel
- iPod song titles displayed in English and Western European languages ISO 8859-1 (Latin1) on the front panel and on-screen display
- High-performance CINEMA DSP LSI (64-bit floating point quantisation)
- Night Listening Enhancer (Cinema and Music), SILENT CINEMA and Virtual CINEMA DSP
- Dialogue Lift for dialogue to screen centre
- Audio Delay for adjusting lip-sync (0–160ms)
- Preout terminals for front, centre, surround and surround back, and subwoofer out
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select
- Front panel Video Aux input terminals with optical digital and S-Video input terminals
- Analogue mixdown
- 8-channel external decoder input
- Phono input
- Speaker A, B, A+B selection

## Universal Dock for iPod

### YDS-10

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

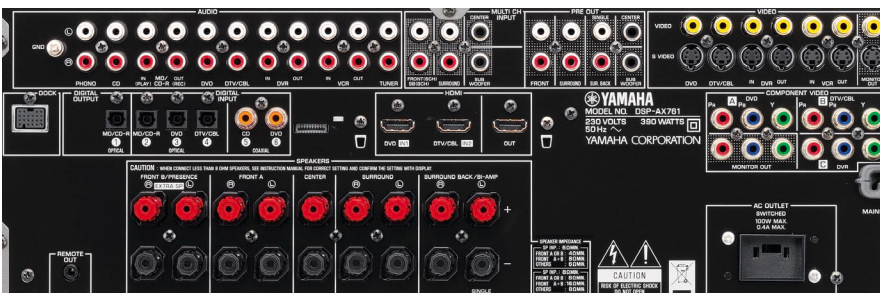


Works with: iPod nano, iPod mini and iPod (Click/Wheel)

iPod not included

## Main Specifications

Minimum RMS Output Power		(8 ohms, 20 Hz–20 kHz, 0.06% THD)	
Front L/R Channels		90 W + 90 W	
Centre Channel		90 W	
Surround L/R Channels		90 W + 90 W	
Surround Back Channels		90 W + 90 W	
Dynamic Power (1 kHz)			
8/6/4/2 ohms		120/155/190/235 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 171 x 393 mm	
Weight		11.6 kg	



Inputs	HDMI	2	Outputs	HDMI	1
	Dock Terminal for YDS-10	1		Analogue A/V / Audio	2 / 1
	Optical Digital (Fixed and Assignable)*	4		Optical Digital (Fixed and Assignable)	1
	Coaxial Digital (Fixed and Assignable)	2		S-Video	2
	S-Video*	5		Component Video Monitor	1
	Analogue A/V / Audio*	5 / 4		S-Video / Composite Monitor	1 / 1
	Component Video (Fixed & Assignable)	3		Speaker (without subwoofer)	7ch / 9 ter.
Multi-Channel External Decoder	8ch	Subwoofer	1		

\* Including front panel Video Aux terminals.

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