

This powerful 5.1-Channel HTiB includes an active subwoofer and a receiver with high-end features; including Yamaha's new SCENE, Compressed Music Enhancer, XM Ready® with XM HD Surround, and front panel mini jack for portable audio players.



Total **600W**
5.1ch System



1 Advanced Features

- 4 SCENE buttons offering easier operation
- XM Ready with XM HD Surround powered by Neural Surround
- Front panel mini jack for portable audio player connection
- 9 selectable subwoofer crossover frequencies / subwoofer phase select
- Preset remote unit
- Initial Volume and Maximum Volume

2 High Sound Quality

- 5.1-channel, total 600W powerful surround sound
- High dynamic power, low-impedance drive capability
- 192kHz/24-bit DACs for all channels
- 2-way speaker drivers for high power input capacity
- 6-1/2" (16cm) 100W Advanced-YST subwoofer

3 High Picture Quality

- 3 HDTV compatible component video inputs
- Wide-range video bandwidth (60MHz -3 dB, component video)

4 Surround Realism

- 8 DSP programs: 3 HiFi DSP and 5 CINEMA DSP programs
- Compressed Music Enhancer
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA
- Dolby Digital, DTS and Dolby Pro Logic II decoding
- Audio Delay for adjusting lip-sync

YHT-280 Main Specifications

Receiver (HTR-6030)

Minimum RMS Output Power (8 ohms, 1 kHz, 0.9% THD)	
Front Channels	100 W + 100 W
Center Channel	100 W
Surround Channels	100 W + 100 W
Dynamic Power (Front L/R)	110/130/175/185 W (8/6/4/2 ohms)
Signal-to-Noise Ratio (CD)	100 dB (250 mV)
Frequency Response (CD)	10 Hz–100 kHz +0, -3 dB
Total Harmonic Distortion (1 kHz, 50 W, 8 ohms) (CD, Front Sp Out)	0.06%
Monitor Out Frequency Response	5 Hz–60 MHz -3 dB (component video signal)
Dimensions (W x H x D)	17-1/8" x 5-15/16" x 12-1/2"; 435 x 151 x 318 mm
Weight	17.6 lbs.; 8 kg

Speakers (NS-P270D)

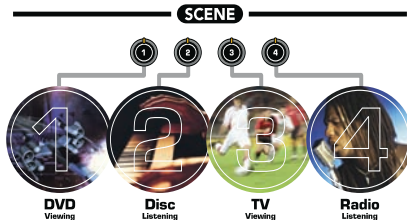
System Frequency Response	30 Hz–25 kHz
Magnetic Shielding	All speakers
Impedance	6 ohms (except subwoofer)
4 Satellite Speakers	2-way acoustic suspension
Drivers	3-1/4" (8 cm) cone woofer and 3/4" (1.9 cm) balanced-dome tweeter
Input Power (Max/Nominal)	80 W/30 W
Sensitivity	85 dB/2.83 V/1 m
Dimensions (W x H x D)	4-1/8" x 5-15/16" x 4-7/16"; 105 x 151 x 113 mm
Weight/Unit	1.8 lbs.; 0.8 kg
Center Speaker	Full-range acoustic suspension
Drivers	Dual 2" (5 cm) cone woofers
Input Power (Max/Nominal)	80 W/30 W
Sensitivity	83 dB/2.83 V/1 m
Dimensions (W x H x D)	11-13/16" x 2-13/16" x 4-7/16"; 300 x 72 x 113 mm
Weight	2 lbs.; 0.9 kg
Subwoofer	
Dynamic Power	100 W
Driver	6-1/2" (16 cm) long-stroke cone
Dimensions (W x H x D)	7-7/8" x 14-3/8" x 14-9/16"; 200 x 365 x 370 mm
Weight	18.7 lbs.; 8.5 kg

YHT-280BL Home Theater in a Box

Advanced Features

SCENE — A New Level of Operating Ease

Four SCENE buttons make operating the receiver easier than ever. They are initially set to default settings for DVD Viewing, 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, XM Listening, TV Sports Viewing and Action Game Playing. Browsing and selecting the settings from among 13 SCENE templates is quickly done by rotating the Input knob. The settings can be selected for one-time use, or to replace the original default settings. The SCENE names can be changed also.



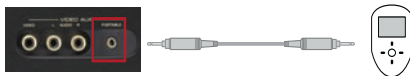
XM Satellite Radio Ready with XM HD Surround Powered by Neural Surround

This system is XM Satellite Radio Ready, allowing you to hear over 170 digital channels of music, news, sports, talk and entertainment from America's number one Satellite Radio service. To get XM Satellite Radio the XM Mini-Tuner and Home Dock including home antenna are required (sold separately).

This receiver is also capable of receiving XM Satellite Radio with XM HD Surround powered by Neural Surround.

Front Panel Mini Jack

A mini jack on the front panel makes it convenient to connect portable audio players.



Initial Volume and Maximum Volume

Two new volume setting functions are including on this receiver for additional convenience. Initial Volume Setting allows you to set the volume level that will be heard each time the power is turned on. Maximum Volume Setting prevents unexpected loud sounds, for example if a young child turns the volume knob.

High Sound Quality

5.1-Channel, Total 600W Powerful Surround Sound

The YHT-280 receiver delivers high power output to each of their 5.1 channels: two front, one center, two surround and one subwoofer. It provides more than enough power (100W x 5 channels + 100W subwoofer) to fill even the largest rooms with vibrant music and rich sound effects. The subwoofer has an advanced design for massive power and clear, crisp bass.

High Performance Speakers

The YHT-280 satellite speakers are 2-way design for high sound quality and full surround sound enjoyment. Their new-design 3-1/4" (8cm) woofer and 3/4" (1.9cm) balanced-dome tweeter deliver superior clean sound.

High Picture Quality

3 HDTV Compatible Component Video Input Terminals

Component Video inputs offer higher picture quality, for use with units such as DVD players that have Component Video output. The frequency response of the component video signal is 5Hz – 60MHz, making it compatible with HDTV (1080i/720p). Because we know that many people like to use several high quality video devices, we have given this receiver three component video inputs instead of the usual one or two. You can enjoy three different sources without having to change connections.

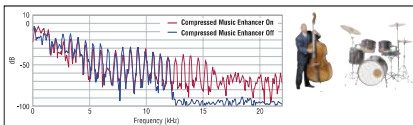
Surround Realism

8 DSP Programs: 3 HiFi DSP and 5 CINEMA DSP Programs

You have a choice of eight unique Yamaha DSP surround programs to bring out the full audio potential of your entertainment sources.

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



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

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

Night Listening Enhancer and SILENT CINEMA

The Night Listening Enhancer offers two modes, Cinema and Music, with three-level selectability, which will ensure that you don't miss movie dialogue or quiet passages, or lose overall surround spaciousness even during low volume listening late at night.

The SILENT CINEMA mode allows private listening enjoyment of multichannel music or movies, with an accurate simulation of surround sound, through ordinary headphones.

Other Notable Features

- 192kHz/24-bit DACs for all channels
- 6-channel external decoder input
- High dynamic power, low-impedance drive capability
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select
- Audio Delay for adjusting lip sync
- Analog mixdown
- Max volume setting
- Initial volume setting
- Subwoofer out
- Virtual CINEMA DSP
- Wide-range frequency response for DVD-Audio and Super Audio-CD
- Preset remote unit
- Sleep timer
- 40-station preset tuning / Auto preset tuning

8 DSP Programs

Compatible Decoder Straight

- Dolby Digital
- DTS Digital Surround
- Dolby Pro Logic
- Dolby Pro Logic II Music
- Dolby Pro Logic II Movie
- Dolby Pro Logic II Game
- Neural Surround

HiFi DSP Programs

MUSIC	Hall
	Jazz
STEREO	5 Channel Stereo

Program Subtotal

3

CINEMA DSP Programs

ENTERTAINMENT	Game
	TV Sports
	Pop/Rock
MOVIE	Movie Specious
	Movie Dramatic

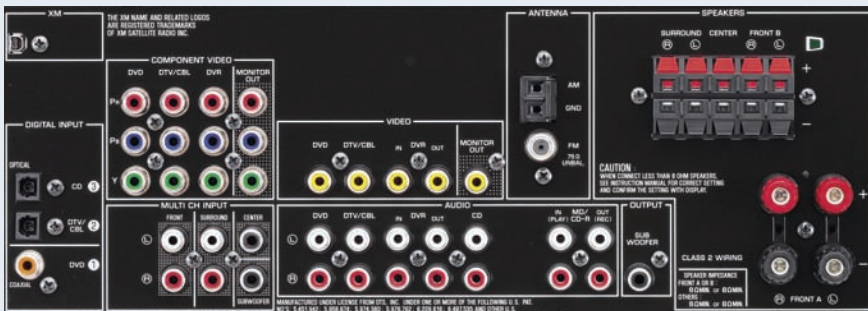
Program Subtotal

5

Program Total

8

YHT-280 Receiver (HTR-6030) Rear Panel



- The XM Satellite Radio service is only available in the 48 contiguous United States (not available in Alaska and Hawaii) and Canada.
- XM name, XM Ready and related logos are registered trademarks of XM Satellite Radio, Inc. • iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. • Dolby, Pro Logic and Double D are trademarks of Dolby Laboratories Corporation. • "DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc. • Neural Surround™ name and related logos are trademarks owned by Neural Audio Corporation. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation. • Product designs and specifications are subject to change without notice.

YHT-280 (HTR-6030) Inputs/Outputs

Category	Input/Output	Count
Inputs	Stereo Mini Jack*	1
	XM Connect-and-Play	1
	Optical Digital (Fixed and Assignable)	2
	Coaxial Digital (Fixed and Assignable)	1
	Analog A/V / Audio*	4 / 2
	Component Video	3
Outputs	Multi-Channel External Decoder	6ch
	Analog A/V / Audio	1 / 1
	Component Video Monitor	1
	Composite Monitor	1
	Speaker (without subwoofer)	5ch / 7 ter.
	Subwoofer	1

* Including front panel Video Aux inputs



"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 theater.