

The new YSP-4000 Digital Sound Projector™ offers versatile new features such as, 1080p-compatible HDMI, analog video to HDMI digital video up-conversion, and component/composite inputs. Other features include: iPod and XM HD surround compatibility, built-in FM tuner, RS-232C for custom installation and a wide variety of beam settings, including My Surround Beam, for a true multi-channel surround sound experience from a single component.



# YSP-4000BL

Digital Sound Projector™



The YSP-4000 is available in silver or black finish.



## True Surround Sound

- Sensational multi-channel sound from DVDs, digital broadcasting, satellite broadcasting and other digital sources
- Digital amplifier built-in (120W total power: 2W x 40 + 20W x 2)
- Large range of optimum listening positions thanks to a wider soundstage
- 7 CINEMA DSP programs: Three Movie, three Music and Sports
- Compressed Music Enhancer

## Elegant, Space-saving Design

- No need for numerous speakers and cables
- Can be wall mounted or placed on a shelf or rack
- Design is more elegant, less obtrusive than multiple speaker boxes

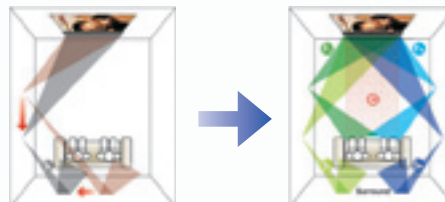
## Advanced Features

- Analog video to HDMI digital video up-conversion
- High-Definition Video Upscaling to 1080i/720p
- IntelliBeam Automated System Calibration with Direct Start
- HDMI interface (1080p/24Hz and 60Hz compatible)
- XM ready with XM HD Surround powered by Neural Surround
- iPod compatibility via optional Yamaha YDS-10
- Front panel mini jack for connecting portable audio player
- New modes: My Surround and 5ch Stereo
- Five other modes: 5 Beam, 3 Beam, 3 Beam + Stereo, 2ch Stereo and My Beam with dual remote doors
- Built-in FM tuner
- Custom installation compatibility



All channels have independent orientations. Sound is beamed off the walls to create the effect of a multi-speaker surround system.

## IntelliBeam Automated System Calibration



Left: Each sound beam is precisely directed.  
Right: Frequency response and other parameters are optimized for the room.

## True Surround Sound

### True Multi-Channel Surround Sound from All Sources, Including TV

As amazing as it seems, the YSP-4000 can actually deliver multi-channel sound that surrounds listeners the same way that sound from front, center and rear speakers does. DVD movies and other digital sources sound just the way they are supposed to. Dolby Pro Logic II is included, so even 2-channel TV sound can be heard in true multi-channel surround.

### Digital Amplifier Built-in

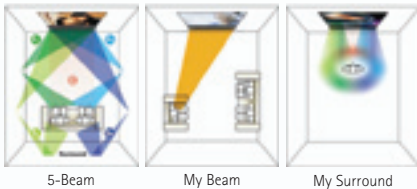
The YSP-4000 has a powerful and efficient digital amplifier built in. It powers the 40 beam drivers at 2W each and the two woofers at 20W each, for a total of 120W of power. There is no need for the customer to purchase an additional amplifier or receiver.



### Wide Variety of Beam Settings

The My Surround mode provides surround sound without reflecting the beams off the walls. It is handy for rooms where for some reason the walls can not be used well and delivers a good surround effect when listeners are close to the unit. My Surround uses a combination of DiMagic and Yamaha technology.

The My Beam setting focuses the sound at a specific listening position, so even in noisy surroundings you can hear dialogue and other sounds clearly. Sonic sensor means that My Beam can be selected with the remote control from almost any angle. There are also five other selectable beam



settings: 5 Beam, 3 Beam, 3 Beam + Stereo, and 2ch Stereo and 5ch Stereo that outputs stereo sources from all of the 5-channel beams, providing a more expansive sound field.

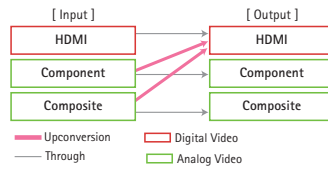
### Front Panel Mini Jack

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

## Advanced Features

### Analog Video to HDMI Digital Video Upconversion

The YSP-4000 provides upconversion of video composite and component signals to HDMI. The signal can then be output via a single HDMI cable to a monitor for enjoying high-definition video quality. The output supports 1080p/24Hz and 60Hz video signals, so they can be throughput to a monitor for enjoying high definition video quality.



### High-Definition Video Upscaling to 1080i/720p

The YSP-4000 provides analog video-upscaling of composite 480i signals and of component 480i or 480p signals to HDMI 1080i/720p resolutions for optimal viewing on high-definition displays. It uses advanced processing including video encoding/decoding ICs from Analog Devices and a TBC (Time Base Corrector) to restore degraded video signals for distortion-free viewing.

### IntelliBeam Automated System Calibration

This Yamaha exclusive feature ensures optimum multi-channel sound reproduction with accurate image location. By monitoring and analyzing the sound with the microphone included with the YSP-4000, IntelliBeam automatically sets the best beam angles, while optimizing the level and frequency response of each beam. It also offers Direct Start function via remote unit. This makes initial setup both extremely simple while acoustically perfect.



### Other Notable Features

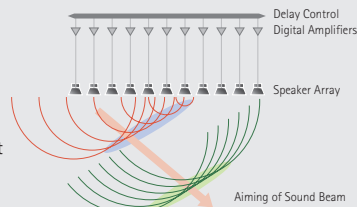
- 7 CINEMA DSP programs: Three Movie, three Music and Sports
- Compressed Music Enhancer
- TruBass uses harmonics to make the bass from small speakers deeper and richer
- Night Listening mode and TV Equal Volume
- Turn On Volume: Volume comes on at a preset level when power is turned on
- Can be wall mounted or placed on a shelf or rack
- Custom installation compatibility: IR in, IR out and RS-232C interface
- IR pass through out
- iPod song titles displayed in English and Western European languages ISO 8859-1 (Latin1) on the front panel and on-screen display.
- Multi-language on-screen display: English, French, German, Spanish, Russian, Italian and Dutch
- Built-in FM tuner
- Parameter settings can be made manually
- XM Satellite Radio ready with XM HD Surround powered by Neural Surround
- Dolby Digital, DTS, Dolby Pro Logic II and DTS Neo:6 compatibility
- Maximum Volume: for avoiding sudden loud sounds
- Memory Save Lock
- Detachable AC inlet cable
- Preset remote unit
- Front panel lock, extended IR and demo mode



## Digital Sound Projector™ Technology

The YSP-4000 applies this sophisticated technology to precisely control the orientation of the sound by focusing it through multiple beams. The center channel sound is heard directly, while sounds from other channels are heard after reflecting off walls. The result is true multi-channel surround sound that sounds just like a multi-speaker system – but without the need for extra speakers!

• Manufactured under license from 1 Ltd.



## YDS-10 Universal Dock for iPod

The optional YDS-10 Universal Dock lets you connect your iPod to the YSP-4000. You can listen to your iPod music and watch iPod images and movies on your monitor via the YSP-4000. You can also operate your iPod via the YSP-4000'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



- HDMI (2 in/1 out) interface
- Dock terminal for YDS-10
- 2 optical, 2 coaxial digital and 2 analog audio inputs
- 2 component video inputs and 1 output
- IR in and IR pass through out
- RS-232C interface
- Subwoofer output
- System connector for subwoofer
- XM Connect-and-Play terminal
- FM antenna terminal

### Main Specifications

Speakers Section	1-5/8" (4cm) x 40 drivers 4-5/16" (11cm) x 2 woofers
Digital Amplifier	120 W total power: 2 W x 40 + 20 W x 2
Standby Power Consumption	0.5 W
Dimensions (W x H x D)	40-9/16" x 7-13/16" x 5-11/16" 1,030 x 198 x 144 mm
Weight	35.3 lbs.; 16 kg



### SPM-K30:

Optional Wall Hanging Bracket

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"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.