

re∨iew

01.28.08

Executive Summary

Yamaha's Digital Sound Projectors have really burst onto the scene with great presence and accolades. The YSP-4000 is the newest and top-ofthe-line product in this well received line. To say that it has been pushed to its limits in this review is probably an understatement. But did it pass? In my book - yes... for movies. There are some seriously cool features of the YSP-4000 like one of the easiest setups I've ever had to do, the super convenient My Beam, and the single speaker(ish) solution. Are you going to need a DVD player or other source? Yes. Are you going to need a subwoofer? Definitely. But for movies, what you'll get is a convincing facsimile of surround from a single source, undeniable cool factor, and convenience galore.

Yamaha YSP-4000 Digital Sound Projector

Review by Tom Andry of Audioholics.com

E YAMAHA

Introduction

Being an audio purest, I've tried my best to stay away from excessive processing of my audio including all those funky DSP (digital signal processing) modes that seem to be standard on receivers these days. If the source is stereo, I listen in stereo. If the source is DTS, I listen to DTS. I don't try to cram a stereo track into all 6 of my speakers just because I can. It usually sounds fake and overall reduces the quality of the audio in my mind (and to my ear).

When I was approached about a review review. I not only have doubts that of the YSP-4000, I was hesitant. OK, let's be can do what it claims but I fran honest, I was downright resistant. I didn't think that I'll like it even if it does.

want to do a review of this product. It just doesn't interest me in any way. Oh, I had great excuses... my room is too small... I have openings in the side walls that will make it nearly impossible for the YSP to bounce sound around the room... I have high back chairs that would interfere with reflected sound... I'm allergic to DSP... but in the end, I decided (or it was decided for me, you be the judge) to do the review. What I'm saying is that I'm the Scully in this review. I not only have doubts that the YSP can do what it claims but I frankly don't think that I'll like it even if it does.



First Impressions and Build Quality

Too often I think that something looks lighter than it actually is. That is doubly true of the YSP-4000. Not only was the box heavier than I expected, but every time I went to move the unit, I thought, "Man, this thing is *heavy*!" It doesn't help that it is awkward to move either. The box came fairly undamaged though one of the styrofoam endcaps was cracked and something seemed to be moving around in there whenever I moved the box. Nothing was damaged that I could see and all the parts and accessories arrived in good working order. The provided cables (some RCAs, a TOSLink, and a power cord), remote, and manuals were all securely attached to a piece of cardboard that was placed between the endcaps and the walls of the box. My guess is that the cardboard backing was sliding around a bit but it didn't have a chance of causing any real damage.

The YSP-4000 is a tank. You know you are getting a piece of equipment with some thing up. Either that or they filled it with lead. The YSP features two 4-3/8" woofers and



40 I-5/8" "beam" drivers which resemble little tweeters. The detachable power cord attaches at a right angle in the rear of the unit which also has four threaded inserts for wall mounting. The optional wall mounting bracket is sold separately. I can't imagine that there are drywall anchors sturdy enough to hold this thing to a wall for long, so I'm guessing you'll need to locate a couple of studs. Since the wall mounting option would almost certainly be used in conjunction with a wall mounted flatscreen TV, I can't imagine this would be a problem.

The back of the unit has almost all heavy duty engineering when you pick the your inputs and outputs. The two HDMI inputs and one output are located near the center and need to be installed from

Soecifications

YSP-4000 Review Summary

Manufacturer: Yamaha Electronics Performance Rating: 4/5 Stars Value Rating: 4/5 Stars MSRP: \$1799 http://www.yamaha.com/yec/

Pros

- · Single speaker solution is great for the aesthetic and space conscious
- Provides convincing audio envelopment
- Tons of options for pseudo-surround sound
- · Essentially a receiver and 5.0 speaker system in one box
- Extremely easy setup

Cons

- · Multi-channel music performance is sub-par
- · Pinpoint rear effects can sound muddy and unfocused
- · Pricy but you are paying for convenience
- Won't pass 480i over HDMI

| Yamaha YSP-4000 Digital Sound Projector | | | | | | |
|--|-------------------------|---|--|--|---------------------------------|--|
| | | | | | | |
| Magnetic Shielding | • | DTS Neo:6 | • | HDMI Upscaling | • (up to 1080i) | |
| RMS Output Power (IkHz) | 2W x 40 + 20W x 2 | Surround Programs XM Satellite Radio Ready | 7 • | Audio Inputs Digital Optical Inputs | • (2) • (2) | |
| Total Power Digital Amplifier Highly Efficient | 120W • | Neural Surround FM Tuner | • | Digital Coaxial Inputs Component Video (In/Out) Composite Video (In/Out) | • (2) • (2 / 1) • (3 / 1) | |
| Power Supply IntelliBeam (with | • | iPod Compatibility (with Optional YDS-10) Compressed Music Enhancer | • | Front Panel Mini Jack Subwoofer Output | • | |
| Optimizer Microphone) On-Screen Display | • (3rd Generation) • | SRS TruBass Night Listening Mode | • | RS-232C Interface | • | |
| Set-up Menu 5Beam Mode | • (Easy, Manual) • | TV Equal Volume Mode Memory Settings | • • (3) | Detachable Power Cord Preset Remote Control | • | |
| 3Beam Mode Stereo + 3Beam Mode Stereo Mode | • | Room Equalizer Parameter Settings | • | Product Dimensions (W X H X D) | 40 9/16" x 7 5/8" x 4 5/8" | |
| Stereo Mode 5Channel Stereo Mode My Beam Mode | • | Horizontal Angle Adjustment Vertical Angle Adjustment | • | Product Weight (lbs.) Shipping Dimensions (W X H X D) | 28 47" x 12" x 10 | |
| Target Mode My Surround Mode | • | HDMI (In/Out) HDMI 1080p Switching | • (2 / 1) • (24Hz, 60Hz Refresh Rate) | Shipping Weight (lbs.) Accessories (Optional) | 37 SPM-K30 | |
| Dolby Digital | • | | | Accessones (optional) | STIFICS | |





the side. All the other inputs and outputs are connected directly up into a recessed section of the bottom of the unit. While the RCA and TOSLink connections usually have little problem winning the battle over gravity (which is trying to pull them loose), the orientation of the HDMI connections actually uses gravity to make a more secure connection. Yamaha has really thought this one through as they also suggest using tape to secure your HDMI cables to the YSP. This all becomes more intuitive when you consider the fact that both the YSP-4000 and your matching flat panel display are ultimately intended for wall mounting. The YSP-4000 sports a RS-232 connection and IR in for custom control.

You essentially have three main inputs on the YSP-4000. Here's how they break down:

Now does this mean that your TV/STB can't use HDMI? No. Each of the inputs is assignable and renameable from the menu (we'll get into that later). There is also a dedicated XM input on the back as well as an Aux 3 on the front of the YSP-4000 for portable audio players (such as an iPod or MP3 player). This is simply a 3.5mm plug which will require the use of an external cradle or stereo plug connected to the headphone jack output of your player. Aux 3 can only be used for audio.

The front of the YSP-4000 has a small, single line LCD readout, the aforementioned Aux 3 jack, a jack for the IntelliBeam mic, and input, volume, and standby/on buttons. The front grill is massive, metal, and permanently attached. There are rubber feet on the bottom of the unit to protect against

| INPUT NAME | VIDEO TYPE | AUDIO TYPE | |
|------------|--------------------------|------------------|--|
| TV/STB | Component/Composite | Optical | |
| DVD/Aux2 | HDMI/Component/Composite | HDMI/Coaxial/RCA | |
| AuxI | HDMI | HDMI/Optical/RCA | |







scratches in the case of shelf mounting. The unit arrives with a slew of cables a composite video (yellow), digital audio (coaxial - orange), and analogue audio (red/ white) of the RCA variety. There is also an included optical cable, FM antenna, and power cord. The IntelliBeam mic can be attached to your favorite camera tripod or placed on the included cardboard stand (which is what I used). The cord to the IntelliBeam mic is outrageously long. Your room is WAY too big if that cable isn't long enough. There are also a host of fasteners, clamps, guides, and a remote control. Really, the only thing that is missing here was an HDMI cable.

"The YSP-4000 is a tank. You know you are getting a piece of equipment with some heavy duty engineering when you pick the thing up..."

Tom Andry



Set-Up

With limited cabinet space (and not nearly enough width to accommodate such a large center channel), I set the YSP-4000 on top of my component cabinet in front of my display. While this would be an unacceptable arrangement long term (it blocked the bottom part of the screen and the IR receiver), it worked for the purposes of this review. As Yamaha suggested, I placed the YSP-4000's front baffle near the front of the shelf so that the shelf wouldn't interact with or diffract the sound in any way. I connected my Denon DVD-3910 DVD player and my Axiom EP500 subwoofer directly to the YSP-4000.

Now the problem with my room is that there is no real good way to optimally accommodate the YSP-4000. Two of the walls have openings in them that lead either to a hallway or another room. These

openings are large (about the size of a double door) and offset from each other (they don't line up). If I placed the YSP-4000 in front of one of the openings, the other would be at my back and there would be nothing left to reflect the sound. If I put it in



a corner, I come up with an opening near my back on one side and near the speaker on the other. So I ended up just placing it where my speakers and TV are normally, in the middle of one of the solid walls. The geometry of the room was such that I figured it gave the YSP-4000 the best chance of having a surface for reflecting. The other problem is that I have high back couches. There is really nothing I can do about that so I just had to live with it.

The first step in the setup process involves running through the automatic calibration process under the *Auto Setup* menu. You have three choices - Beam+Sound, Beam only, Sound only. The Beam calibration adjusts the angle of the sound that is bounced around the room, the Sound calibrations optimizes



beam delay, volume, and quality. During the initial setup, you're going to want to do Beam+Sound as it does everything. The nice thing is that there are three different memory locations so that you can actually take three different measurements based on different room orientations. "Like what?" You ask? If a wall has a window with curtains you could measure with the curtains open and closed. Maybe there is a chair that tends to move around (like from the side of the room when the whole family is watching to the center when you're alone). Regardless, it is a nice feature.

The auto-calibration is fairly quick and painless and only requires a few things - quiet and the absence of "you". Once you start the auto-calibration, you have 10 seconds to leave the room before it starts. Once it begins you'll hear a number of beeps and clicks that you can't imagine will actually do anything. In reality, that's all it really takes for the majority of the calibration. It only takes about 3 minutes for the entire setup, though it seemed less to me. I didn't receive any errors so I can only assume that the YSP-4000 was able to overcome the limitations of my room (at least in its mind). Afterward, I checked the settings and basically agreed with everything but the subwoofer location. It just about doubled the true distance to the sub (a common occurrence and something we



tend to find with most AV receivers). The crossover was set at 100Hz which seemed about right though it does make the sub locatable at times. You're going to want to be sure that your sub isn't too close to you with this setup - preferably very near the YSP-4000. Since people that are purchasing this unit aren't really looking to run cables, that shouldn't be much of an issue.

Menus

There are four menus on the setup screen, only two of which you'll probably need to look at more than once or twice. I already addressed the Auto Setup menu above. The Memory menu is where you can load and save your audio settings. If you have run the automatic setup more than once, you can store each here. It would be nice to have a way of renaming each of these memory slots but you are stuck with Memory I, 2, 3. The Language menu simply sets the language of the display. There are choices of English, German, French, Spanish, Italian, Dutch, and Russian. The other menu has a little more depth to it so I'll go into them in more detail.

SET MENU → ·MEMORY ·AUTO SETUP ·MANUAL SETUP ·LANGUAGE SETUP [▲] / [♥] :Up/Down [ENTER] :Enter

Manual Setup Menu

The manual Setup menu has four options - Sound, Beam, Input, and Display.

Sound

From this menu you can adjust the Tone Control (adjust the treble or bass from -12dB to +12dB) Subwoofer Settings (which includes turning on and off the sub, setting the crossover (80, 100, 120Hz), setting the LFE level (from 0 to -20dB in 1dB steps), and setting the subwoofer distance in half foot units), and the Mute Level (either complete mute or -20dB). The Audio Delay can be

WWW.AUDIOHOLICS.COM



1) SOUND MENU A) TONE CONTROL B) SUBWOOFER SET C) MUTE LEVEL D) AUDIO DELAY E) ROOM EQ F) DD/DTS Dynamic Range TruBass G) [▲] / [▼] : Up/Down ENTER1 : Enter

adjusted if you're having lip syncing issues from 0-160 msec in 1 msec units as well as the Room EQ (which asks you to indicate if the unit is on the wall or a shelf and whether the room is Normal or Hi Echo). Dolby Digital and DTS Dynamic range has a min/std/max setting where min is the least dynamic range (most compression) is and max is the most dynamic range (least compression). I'd suggestion Max unless you are listening at night and don't want dramatic volume changes to wake up your neighbors. The TruBass was set as Mid for me which I didn't prefer. I adjusted that to Off rather than Mid or Deep. This setting is really more to boost the bass when you are not using a sub. The other option is to turn this off and raise the crossover to 120Hz, giving the sub even more of the bass duties and further taking the strain off the YSP-4000. You should definitely play with these options and see what works for you given your configuration and room.

Beam

Under the *Beam* menu, you are directly controlling how the sound is reflected around your room. If you decide to start messing with these settings you're going to want to make sure that you have them saved somewhere. Under the *Setting Parameters* option you can define the location of the unit and the shape of your room. Remember, the room may appear to be

2) BEAM MENU

→ A) SETTING PARAMETERS B) BEAM ADJUSTMENT C) IMAGE LOCATION

> [▲] / [▼] : Up/Down [ENTER] : Enter

larger than it is if some of the sound is being absorbed by room treatments or furniture or is getting lost through openings. The Beam Adjustment option allows you to adjust the horizontal and vertical angles, the beam travel length, the focal length and the treble gain. This menu is really for those interested in eeking the most out of their YSP-4000. You can make these beam adjustments and then re-run the auto-setup with only the sound optimizer to balance everything out. Of course, you can just grab your handy SPL meter and tape measure and do the same thing. Honestly, there is about 1% of the population that wanted this menu and Yamaha gave it to them. For the other 99% of us, it isn't worth the time. Let the auto setup do this for you. Image Location simply adjusts the mix of the front left and right channels that gives the illusion of a central sound in the soundstage. If you are sitting off axis (not directly in front of the speaker) and will always do so, you'd want to adjust this toward your listening position.

| | | 3) | IN | PU | T | ME | NU | |
|---|----|----|----|----|-----|-----|----|------|
| • | A) | IN | PU | Т | AS | SI | GN | MENT |
| | B) | IN | PU | Т | MO | DE | | |
| | C) | IN | PU | Т | TR | IM | i. | |
| | D) | IN | PU | Т | RE | NA | ME | |
| | E) | HD | MI | S | ET | | | |
| | F) | XM | A | NT | EN | NA | L | EVEL |
| | [| | 11 | | : U | p/ | Do | wn |
| | (| EN | TE | R] | :E | n t | | |

Input

Under the Input Menu you can assign inputs, choose to have the YSP-4000 auto detect incoming digital signals upon power up or default to the last input used, adjust the input trim (where you lower or raise the volume level of each input from -6dB to 0dB), and rename inputs. With the rename function, you have up to 8 characters to assign any lower or uppercase letter or number or a variety of symbols (such as -,/, While 8 isn't a lot of characters to play with, it is great that you aren't relegated to choosing from a predetermined list which invariably won't have the choice you want. The XM Antenna Level menu simply displays the strength of the XM signal.

"the 5-Beam sounded... as if I had installed a full fledged surround system..."

Tom Andry

If you have HDMI inputs, you're going to want to spend a few minutes on the HDMI Set submenu. Here you can select to have the YSP-4000 play the audio coming from the HDMI inputs or to pass it through to the HDMI output from the Support Audio submenu. If you connect up your HDMI cables and get no sound, make sure you check this option. It might have been switched to "other" which is the passthrough mode. The Video Info. submenu just gives you information on what type of signal is coming in to the YSP-4000. This is a good menu to visit if you are having HDMI issues as any error messages will be displayed. The Up-Scaling submenu will allow you to select the resolution to which the analogue signals are upscaled to (480p, 720p, 1080i). Since the YSP-4000 does a

E) HDMI SET
→ a) SUPPORT AUDIO
b) VIDEO INFO.
c) UP-SCALING
d) ASPECT RATIO
e) HDMI CONTROL
[▲] / [♥] : Up/Down
[ENTER] : Enter

better job of scaling than deinterlacing, I'd suggest starting with 1080i so that you'll get whatever deinterlacing your display can provide if your source is non-progressive (standard definition). Otherwise, you can send a progressive signal and have the YSP-4000 upscale it to whichever is the native resolution of your display. Of course, if you'd like it to leave the signal alone, you can select "through" (our preferred setting) which you would think would send the signal through unaltered (see below). The



Aspect Ratio submenu allows you to send a signal through unaltered or to adjust it using the "Smart Zoom" options (fitting a 4:3 picture to your screen) or "16:9 Normal" (black bars on the sides for 4:3 signals). More than likely your display or your source (or both) already do this. Again, "Through" is probably your best bet. If you have an HDMI Control-capable display or other component (such as a Panasonic's with EZ Sync) you can turn on this option from the *HDMI Set* menu as well. This will allow, with no additional programming, your YSP-4000 remote to control your device.

Editor's Note Upconversion for Upconversion's Sake

The YSP-4000 is not equipped to deal effectively with an interlaced 480 signal. It will not accept 480i over HDMI at all and if you decide to send it over analogue, it upconverts it to 480p (even if you select "Through"). Why is this a problem? Well, if your display "sees" a progressive signal coming in, it won't do anything to it except upscale it to the native resolution of the display. But if it sees an interlaced signal, it attempts to deinterlace the picture before scaling. It is in the deinterlacing where problems can occur and better electronics equate to a better picture. The YSP-4000 doesn't do deinterlacing particularly well and seems to provide little to no 2-3 pull-down correction to compensate for film to TV conversion. As a result, when it converts the signal from 480i to 480p, you will get just about every artifact and visual problem available. Your display will likely do a better job every time. For those of us that have spent our money on sources that have good deinterlacing - this is not a problem. Just set your source to provide a progressive signal and you'll be money. But for those that spent their hard earned cash on a high-powered display with great deinterlacing features, there is virtually no way to get that 480i signal to the display over HDMI. In this case, we recommend bypassing the video connection on the YSP-4000 and go directly to the display.

Remote Control

The remote for the YSP-4000 is very utilitarian. There are dedicated buttons for each of the inputs, surround modes, and controls. Honestly, it is like they had more buttons than they knew what to do with so they just gave everything its



own. I'm all for that. The unit is extremely responsive and the worked remote well off axis from the YSP-4000. My only strike against the remote is the lack of backlighting and the fact that most of the buttons are the same shape (or similar). For instance, the surround modes are all on the numeric key buttons which are all the same size and evenly spaced. In the dark, you're going to have to find the Braille dot on the five or do a lot of counting to find the right button.

Beam Modes

You've got a few different beam mode options (5-Beam, 3-Beam+stereo, 3-Beam, My Surround, My Beam) and you're going to want to test them out for yourself. 5-Beam uses the walls to bounce the sound around the back of you while the 3-Beam modes bounce it just to the sides of you.The 3-Beam is designed to expand the "sweet spot" by giving you a direct center channel with reflected front channels (left and right). The +stereo mode further accentuates the front



channels while still providing the reflected sounds. The My Surround mode is different in that it provides a surround experience without reflected sound. This is how the competitors of the YSP-4000 usually present a pseudo-surround experience. Essentially, you are getting all the advantages of the YSP and the competitor's technology in one box! That's pretty cool. The advantages of the My Surround mode is that it doesn't reflect sound so it is not affected (as much) by the shape of the room but the disadvantage is that is isn't quite as convincing as the 5-Beam set up in a properly shaped room. I found that in my less-than-optimal room, the My Surround mode actually sounded better than 5-Beam.

The My Beam mode is a bit different than the others. If you are in a loud environment and you are having trouble hearing the YSP-4000, you can point the remote at the YSP, hold down the My Beam button for 2 seconds while holding the remote steady, and then release. The YSP will send out a quick couple of tones to see where you are sitting. There is a mic in the remote that will register those tones and send the information back to the unit. The YSP-4000 will then direct the sound to your location in a single channel setup. You won't experience surround, but you will be able to hear the game while all your wife's friends are yapping about scrapbooking or whatever. The problem? For some reason it shuts down the subwoofer.



WWW.AUDIOHOLICS.COM

Listening Evaluation

I connected my Denon DVD-3910 via optical into the YSP-4000 and left the HDMI connection going to my Denon AVR-2307CI (which is powering my RBH TK-5CT tower mains, TK-515C center, and Axiom QS-8 surrounds). I connected the Axiom EP500 directly to the YSP-4000 which gave it a bit of an advantage while doing the direct comparisons - especially for movies. This setup allowed me to switch quickly between the YSP-4000 and my reference system by only hitting the mute button on both remotes at the same time. I used the AVIA center channel test tones and RS SPL meter to level match both speaker sets.



DTS CD: Don Henley: The End of the Innocence

This was one of the oddest DTS CDs I'd ever reviewed in that it had two flavors of audio guality - Audio Nirvana and Audio Nervosa. The tracks that are good are REALLY good while the tracks that aren't... well they REALLY aren't. Needless to say, I will occasionally stick in this CD just for the Nirvana songs. The first track, "The End Of The Innocence", is probably one of my favorite songs to show off my system with because people immediately "get" it. The envelopment is so convincing, so realistic that it literally makes listening to the song in any other way sort of a travesty. That is why I choose this track to see how well the YSP-4000 would perform.

Honestly, not well. The way I had everything set up, I could literally flip between the two speaker systems with the press of two buttons. But I didn't need it. The difference between the 5.0 speaker system and the YSP-4000 was night an day. While the 5.0 system enveloped me with sound and presented clear vocals and instrumentations, the YSP-4000 seemed thin and lifeless. The highs were muted, the vocals recessed, and even with the addition of the sub (which the 5.0 didn't have), the bass seemed hollow and fake. Even later when I set up the YSP-4000 in a different room, I experienced many of the same problems (though the envelopment was much better). In my experience, the YSP-4000 just doesn't have what it takes for multi-channel music.

CD: Bang & Olufsen Vol. XIII The Sound of Perfection

Not wanting to give up on the YSP-4000 for music all together, I stuck in one of my favorite stereo CD's. While the differences between the 5.0 system and the YSP-4000 were night and day on the multi-channel music, with a stereo CD (and playing in stereo), the YSP-4000 held its own. The soundstage was narrower (as one might expect from a single speaker solution) but the sound quality was nice. I sound myself enjoying the stereo experience enough that I didn't want to switch it off. Once I did, the 5.0 system's extra-wide soundstage impressed me as did the fuller midrange but not so much that I felt the YSP was lacking. I would have little problem using the YSP-4000 for stereo music reproduction



DVD: Spiderman 2

The last movie in the Spiderman series (*Spiderman 3* never happened as far as I'm concerned), I love to use this one for surround sound testing. The scene where Doc Ock is in the hospital and they are about to cut off his arms (Chapter 17: Horror Hospital) is full of dedicated surround effects that either makes or breaks the scene. As I flipped between the 5.0 system and the YSP-4000, I was impressed with how well the YSP-4000 held up. While the dedicated surround effects were muted and a bit diffused, the overall sensation of



"for movies, what you'll get is a convincing facsimile of surround from a single source, an undeniable cool factor, and convenience galore" Tom Andry

surround was presented well. I had such a good time watching this scene that I just kept it playing and finished off the movie. That happens a lot to me.

I also flipped between the surround modes. As expected, the 5-Beam was having a hard time getting the sound all the way around me. The My Surround mode presented a more enveloping experience though the surround effects were much more diffuse. What I knew should be off my left shoulder ended up generally behind me. I imagine in a different room you're going to find that your preference might be different. To test this, I took the YSP-4000 briefly into my bedroom which has all four walls (I didn't move the sub). There isn't a display in there so I just had to listen to the movie. Sure enough, the 5-Beam presented an astonishingly convincing surround experience. While in my normal room the 5-Beam sounded like all the sound was in front of me, here, it was as if I had installed a full fledged surround system. Obviously, the YSP-4000 is really geared toward a room like this.



DVD: Seven Swords

If you are a fan of those cheesy martial arts movies they used to show after Saturday morning cartoons, you're probably going to like *Seven Swords*. The plot is thin (to the point that you wonder if they just left something out of the translation),



weapons varied. You spend the whole movie wondering just what is going on other than the one thing you are sure of - lots and lots of people are dying. In many different limbrending ways. You know you've got campymartial-goodness when one of the bad guys beheads someone with an umbrella. There ought to be a drinking game.

The real surprise of this movie (which probably indicates that someone is taking this movie WAY too seriously) was the DTS soundtrack. Of course it is only for the Mandarin/Cantonese language track but that's OK. I prefer subtitles anyhow. The YSP-4000 had no problem enveloping me in sound especially during with the music and general background effects. Again, much like Spiderman 2, the dedicated surround effects were diffused using the My Surround mode. As I switched between the 5.0 system and the YSP, it was clear that some of the sounds that were supposed to be directly over my shoulder were just generally behind me. The vocals and front three channels were all presented very convincingly.

Conclusion

The YSP-4000 was placed in an environment that I would never suggest. To say that it has been pushed to its limits is probably an understatement. But did the YSP-4000 pass? In my book - yes... for movies. There are some seriously cool features of the YSP-4000 like one of the easiest setups I've ever had to do, the super convenient My Beam, and the single speaker(ish) solution. Are you going to need a DVD player or other source? Yes. Are you going to need a subwoofer? Definitely. But for movies, what you'll get is a convincing



About Yamaha

Yamaha Electronics Corporation (YEC), USA, based in Buena Park, California, is a wholly owned subsidiary of Yamaha. YEC offers Home Theater components and systems, featuring A/V Receivers, Amplifiers, DVD/CD, Speakers, Mini-Systems, Video Projection, as well as A/V & IT Convergence Products.

the characters two-dimensional, and the facsimile of surround from a single source, matches a nice flat panel TV. For those that undeniable cool factor, and convenience galore. If your room is better than mine (which wouldn't be hard) you'll probably have a very good surround experience. Doing the duties of five speakers and a receiver, the YSP-4000's price tag seems a bit steep until you factor in the convenience factor. For those that can't, won't, or aren't allowed to run wires, that convenience is worth its weight in gold. It's also a nice way to set up a mimalist system that perfectly

can and will run wires and like to see their speakers, a dedicated speaker system is definitely the way to go especially in a lessthan-ideal room.

> By Tom Andry Email - info@audioholics.com

Non-exclusive reprint rights have been provided to Yamaha Electronics Corporation to reprint and freely distribute this review. Any other uses or instances of this review by other parties or by Yamaha Electronics Corporation are prohibited without prior approvals from Audioholics. The original review can be viewed online at www.audioholics.com

Score Card

The scoring below is based on each piece of equipment doing the duty it is designed for. The numbers are weighed heavily with respect to the individual cost of each unit, thus giving a rating roughly equal to: Performance x Price Factor/Value = Rating

Audioholics.com Note: The ratings indicated below are based on subjective listening and objective testing of the product in question. The rating scale is based on performance/value ratio. If you notice better performing products in future reviews that have lower numbers in certain areas, be aware that the value factor is most likely the culprit. Other Audioholics reviewers may rate products solely based on performance, and each reviewer has his/ her own system for ratings.

Audioholics Ratings Scale:

\delta 🔕 🔕 \land Above Average

\delta 🔕 🔕 Average

\delta 🔕 Below average

🔕 Very poor

| METRIC | RATING |
|-------------------|------------|
| Build Quality | 0 0 0 0 |
| Appearance | 000 |
| Treble Extension | 000 |
| Treble Smoothness | 0 0 0 0 |
| Midrange Accuracy | <u> </u> |
| Bass Extension | 8 8 8 |
| Bass Accuracy | 00 |
| Imaging | 0 0 0 0 |
| Soundstage | 8 8 8 |
| Dynamic Range | 000 |
| Fit and Finish | <u> </u> |
| Performance | <u> </u> |
| Value | 888 |

Yamaha Electronics Corporation

6660 Orangethorpe Avenue Buena Park, CA 90620 (714) 522-9105 http://www.yamaha.com/yec/

