YAMAHA
Make Waves

WORSHIP SOLUTIONS APPLICATION GUIDE

LARGE SOLUTION
PA SYSTEMS

LARGE SYSTEM SOLUTIONS

There are a myriad of factors that must be considered when designing a large sound system. For instance:

· Is your building or meeting space larger than 5,000 square feet?

· Do 750 people or more regularly attend your services?

· Do you livestream and/or record performances?

· Do you need a separate monitor console for performers?

· Are you considering a line array speaker system?

· Do you have multiple locations on campus that need to be networked together?

· Do you need a mixing console with more than 48 input channels?

Because of all these variables, and more, Yamaha highly recommends that you consult with a qualified systems integrator. We can help. First, carefully answer the questions on the following page and provide the information to system integrators so they can develop an accurate, thoughtful proposal. (We've included a checklist on the next page to compile the information.) Then review page 41, which lists several factors that will help you evaluate system integrators and find one that's right for you.

INFORMATION FOR THE INTEGRATOR

The System You Want

· Do you want a completely new sound system or do you want to expand your current system?

· What components from your current system will you continue to use?

· What are the specifications for these components?

Your Building

· How big is your sanctuary (height/width/length)?

· How many people are seated during any given service?

· Do you have large windows in the sanctuary?

· Are your floors covered in carpet, tile, or concrete?

· What are the dimensions of your stage/pulpit?

· What type of ceiling do you have — drop, tile, open?

· Does your ceiling have exposed wooden beams or metal I-beams?

· Do you want to put speakers on the floor or hang them from the ceiling?

· Where is the sound booth located in the space?

· Is there crawl space under your stage?

· Do you have a snake already in place?

· Do you need sound systems in other locations?

Inputs and Outputs

· List all the instruments and vocals in your worship band

· Do you use floor monitors or IEM's (in-ear monitors)?

· Do you need to send an audio signal to other rooms?

· Do you livestream services — or intend to?

· Do you record services?

The Future

· Do you see your congregation growing in two to three years? By how much?

· Will your worship band expand?

· Will you need to add sound systems for other areas or applications?

SYSTEM CHECKLIST: IMPORTANT INFO

- ☐ New Sound System
- ☐ Just Adding Components

Wish List

_____

_____

_____

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_____

Existing Components List

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_____

_____

_____

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_____

Room Dimensions

Height/Width/Length _____

Sound Booth Location _____

Congregation Size

Average Attendance Per Service _____

Estimate: 2 Years _____   Estimate: 3 Years _____

Building Features

- ☐ Large Windows
- ☐ Drop Ceiling
- ☐ Wooden Beams
- ☐ Ceiling-Mount Speakers
- ☐ Floor-Mount Speakers
- ☐ Carpet
- ☐ Concrete / Tile Floor
- ☐ Open Ceiling
- ☐ Steel Beams
- ☐ Exposed Beams
- ☐ Existing Snake
- ☐ Crawl Space

Worship Band

- ____ Acoustic Guitar
- ____ Electric Guitar
- ____ Bass Guitar
- ____ Acoustic Piano
- ____ Electric Piano
- ____ Synthesizer
- ____ Organ
- ____ Acoustic Drums
- ____ Electric Drums
- ____ Horns
- ____ Strings

Vocals Quantity

- ____ Lead
- ____ Backup
- ____ Announce
- ____ Pastor

Additional Needs

- ☐ Livestream Service   ☐ Record Service

- ☐ Additional Campus Sound Systems Required

INTEGRATORS: CHOOSING ONE

Check Their Track Record
System integrators may list prominent venues without disclosing what they did for those clients, so dig deep. Check their references carefully. Look for a company with a long history in the house of worship market and a large list of successful installations.

Watch For Over Promises
Sales managers are in the business of selling, not building sound systems, so they sometimes make promises their companies cannot fulfill. Make sure the people you talk with understand your requirements, demonstrate experience with similar projects, and employ a qualified staff that will run your project. If you get a much lower bid than expected, find out why it's so inexpensive and explore the implications.

Make Sure They Understand Local Standards and Codes
You need to see system integrators' code libraries and learn how they manage projects, so, contact their references. Find out what methodologies they use and if they can guarantee that the staff they mobilize are certified and experienced in those methodologies. Also, learn who each integrator partners with, since no one can do it alone.

Check Your Comfort Factor
Besides their reliability and capability, choose an integrator who makes you feel comfortable, who understands your needs, and who has experience with similar clients.

Review Their Team
Focus on the knowledge, techniques and skills of the integrators' team. Make sure the staff that will work on your project has full knowledge of system engineering, as well as sufficient experience to handle your needs. While it's easy for a large system integrator to claim their expertise, the only thing that matters to you is that the expertise finds its way onto your premises. An impressive list of resources is no good to you if they're all busy on other accounts.

Sometimes, integrators need to look outside the ranks of their staff for certain projects. Make sure they can source, integrate, and manage additional capabilities as needed to satisfy your end-to-end requirements.

Make Sure They Have House of Worship Experience
Integrators who work regularly in the house of worship market stay current on new equipment and systems. Take the time to assess the strengths and weaknesses of any integrator you consider to ensure that they're capable of delivering the people you require, who in turn will deliver the system you desire.

Examine Your Own Team
Can you, as the customer, allocate the right resources to work with an integrator on a day-to-day basis? Your people will need to operate in the new world that the system integrator helps to create, so ensure you assign capable, knowledgeable people from the beginning.

Review Their Project Management Capability
Project management is vital to the success of your job. A system integrator needs to carefully balance resources, strategic priorities and other elements to ensure your venture progresses smoothly, stays on budget and finishes on time.

Ask Questions
Choosing a system integrator is the hardest and easily most overlooked part of any project but it's vital that you take your time and do it right. So ask them about the types and sizes of projects they've done. Get details about the duration of similar jobs, whether your budget is sufficient for your needs, and more. Don't be afraid to say, "I don't understand, please explain." The integrator you choose can make you a hero in your house of worship or take you down a path you don't want to go.

CONTACT US: IMPORTANT INFO

Please visit our worship-dedicated website to learn more:
www.yamahaworship.com

For product information:
usa.yamaha.com/products

Yamaha dealer locator:
www.yamaha.com/paragon/dealerlocator

Address:
Yamaha Corporation of America
6600 Orangethorpe Ave
Buena Park, CA 90620
(714) 522-9000

Product Support:

Digital Pianos, Keyboards, Guitars, Drums, Live Sound and Music Production
(714) 522-9000 Option 3

Acoustic, Silent and Disklavier Pianos
(714) 522-9000

Audio & Visual
(714) 522-9105

Steinberg
(844) 358-4022

Professional Audio
(866) 211-9366