



WORSHIP SOLUTIONS APPLICATION GUIDE



**SMALL SYSTEM
SOLUTIONS**



SMALL SYSTEM SOLUTIONS

In one respect, a house of worship with 250 members is exactly the same as one with thousands: everyone in the building wants to hear clearly, no matter where they sit. Yamaha has created three solutions that give smaller facilities (500-2,000 square feet) the means to reach everyone in the congregation with power and clarity.



MG16XU/20XU

Yamaha MGXU systems bundle an MG analog mixer, powered DBR speakers, and a powered DXS subwoofer. The mixers include technologies developed by Yamaha for our professional consoles, including studio-quality preamps, powerful digital processing, and rugged, reliable construction. The DBR speakers harness a state-of-the-art Yamaha DSP amplifier and quality components to deliver high-resolution sound at any output level. Conveniently, they connect directly to the subwoofer for rapid setup and tear down.



MGP16X/24X

These two MGP systems integrate a Yamaha MGP Series mixer, DBR Series powered speakers and a DXS Series powered subwoofer. The compact MGP brings digital technology to analog mixing. It adds high-resolution effects, iPod®/iPhone® integration, and the functionality of a unique Stereo Hybrid Channel for warmth and musicality. The speakers and subwoofer complement that control with high-efficiency amplifiers that effortlessly fill a room with sound.



TF Rack/1/3

TF systems combine TF Rack digital mixers with Yamaha DZR Series powered speakers and a DXSXLf powered subwoofer. The TF's Touch-Flow Operation™ interface allows you to control the action from a touch screen, making it easier than ever to achieve the ideal mix. The speakers and subwoofer deliver that mix evenly throughout your sanctuary.

MGXU SMALL ANALOG PA SYSTEMS



RECOMMENDED PA SYSTEMS

	MG16XU	MG20XU
Audience Size	≤175	≤250
Powered Mixer	No	No
Mixing Channels	16	20
Power Output	Passive	Passive
Powered Speaker	DBR12	DBR15
Powered Subwoofer	DXS12	DXS15
Stage Monitor	DBR10	DBR10
Microphone	Line 6 XD-V55	Line 6 XD-V55

Recommended Accessories

Analog Snake

Microphone Cables

Microphone Stands

Instrument and Monitor Cables

Direct Boxes for Instruments

Speaker Stands

AC Extension Cables

AC Power Strips

Rolling Case for Carrying and Storing Accessories

Recommended Musical Instruments

Pacifica Series Electric Guitar

FG Series Acoustic Guitar

Line 6 Spider Series Guitar Amp

Line 6 HX Stomp Effects Pedal Board

BB Series Electric Bass

Stage Custom Series Acoustic Drums

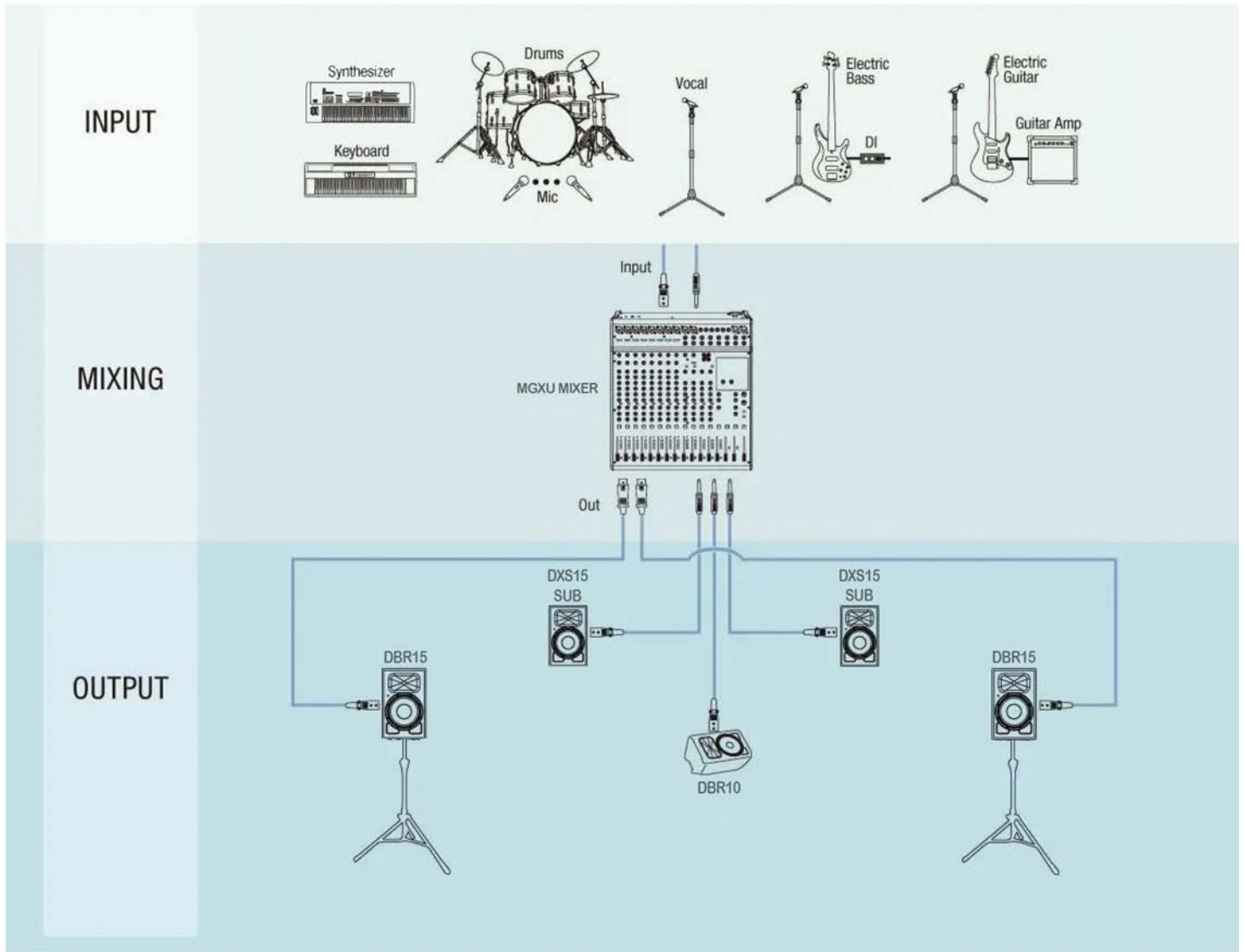
DTX Series Electronic Drums

MODX 7 Synthesizer

CP73 Stage Keyboard

SYSTEM EXAMPLES

MGXU PA System



- Phone Cable
- XLR Cable
- XLR Phone Cable

MGP SERIES SMALL ANALOG PA SYSTEMS



RECOMMENDED PA SYSTEMS

	MGP16X	MGP24X
Audience Size	≤175	≤250
Powered Mixer	No	No
Mixing Channels	16	24
Power Output	Passive	Passive
Powered Speaker	DBR12	DBR15
Powered Subwoofer	DXS12	DXS15
Stage Monitor	DBR10	DBR10
Microphone	Line 6 XD-V55	Line 6 XD-V55

Recommended Accessories

Analog Snake

Microphone Cables

Microphone Stands

Instrument and Monitor Cables

Direct Boxes for Instruments

Speaker Stands

AC Extension Cables

AC Power Strips

Rolling Case for Carrying and Storing Accessories

Recommended Musical Instruments

Pacifica Series Electric Guitar

FG Series Acoustic Guitar

Line 6 Spider Series Guitar Amp

Line 6 HX Stomp Effects Pedal Board

BB Series Electric Bass

Stage Custom Series Acoustic Drums

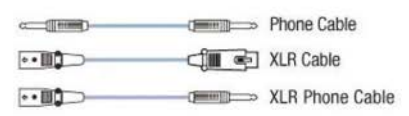
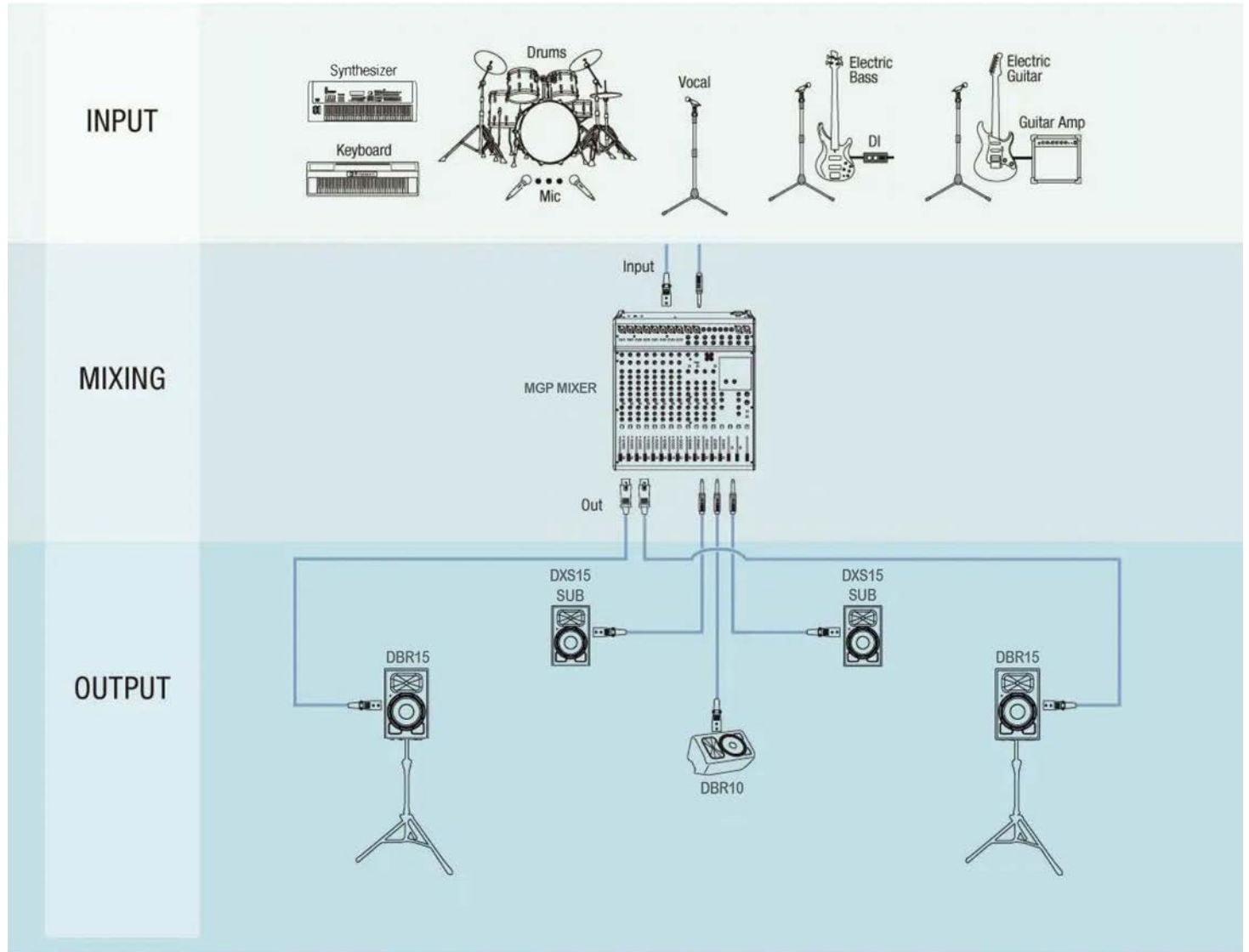
DTX Series Electronic Drums

MODX 7 Synthesizer

CP73 Stage Keyboard

SYSTEM EXAMPLES

MGP PA System



TF SERIES SMALL DIGITAL PA SYSTEMS



RECOMMENDED PA SYSTEMS

	TF Rack	TF1	TF3
Audience Size	≤100	≤175	≤250
Powered Mixer	No	No	No
Mixing Channels	16	16	24
Power Output	N/A	N/A	N/A
Passive Speaker	DZR10	DZR12	DZR15
Passive Subwoofer	DXS15XLF	DXS15XLF	DXS15XLF
Stage Monitor	DBR10	DBR10	DBR10
Microphone	Line 6 XD-V35	Line 6 XD-V55	Line 6 XD-V55

Recommended Accessories

Recommended Musical Instruments

TIO 1608 Digital Snake

Pacifica Series Electric Guitar

Microphone Cables

FG Series Acoustic Guitar

Microphone Stands

Line 6 Spider Series Guitar Amp

Instrument and Monitor Cables

Line 6 HX Stomp Effects Pedal Board

Direct Boxes for Instruments

BB Series Electric Bass

Speaker Stands

Stage Custom Series Acoustic Drums

AC Extension Cables

DTX Series Electronic Drums

AC Power Strips

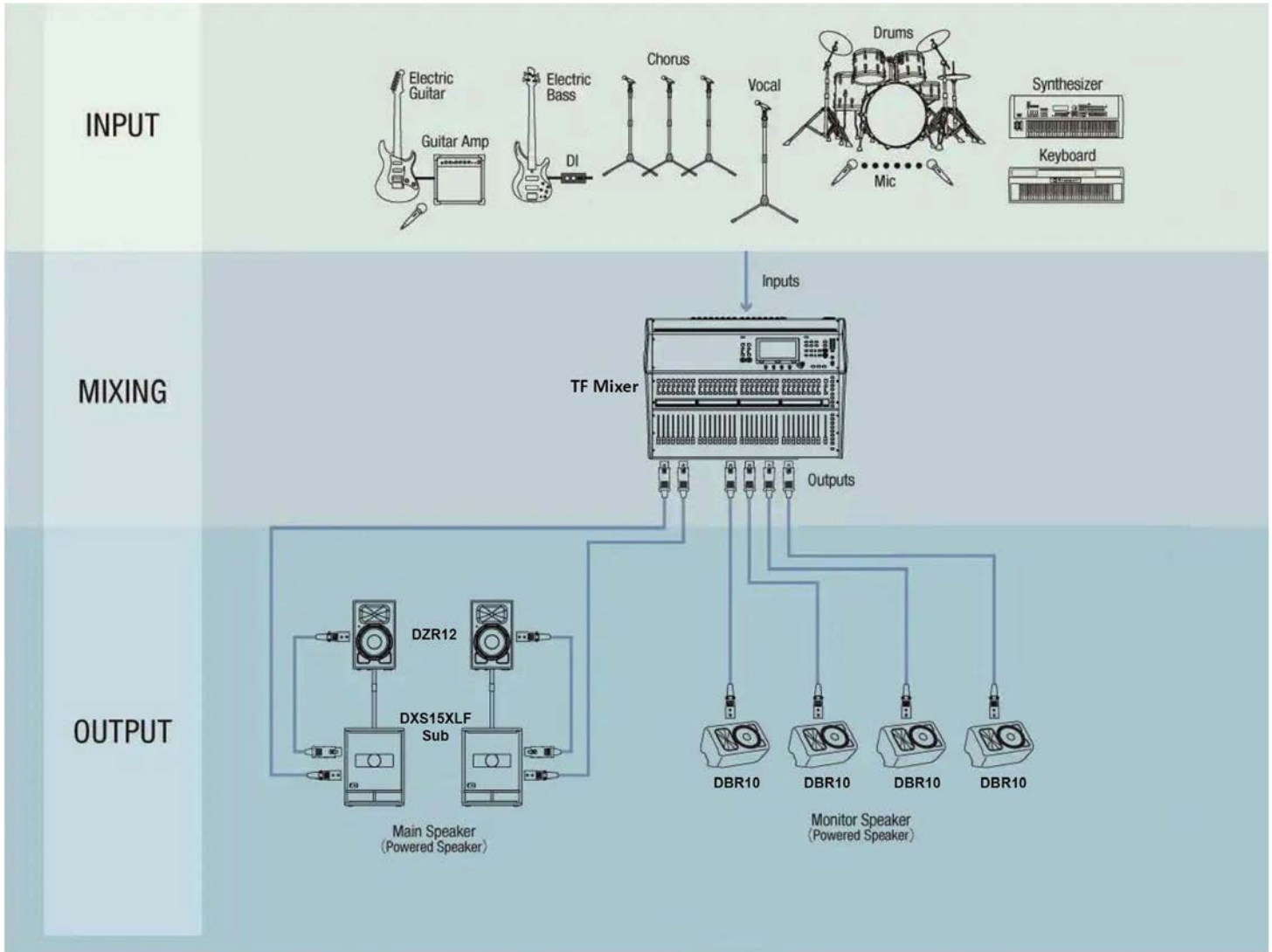
MODX 7 Synthesizer

Rolling Case for Carrying and Storing Accessories

CP73 Stage Keyboard

SYSTEM EXAMPLES

TF Series PA System



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

Existing Components List

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

