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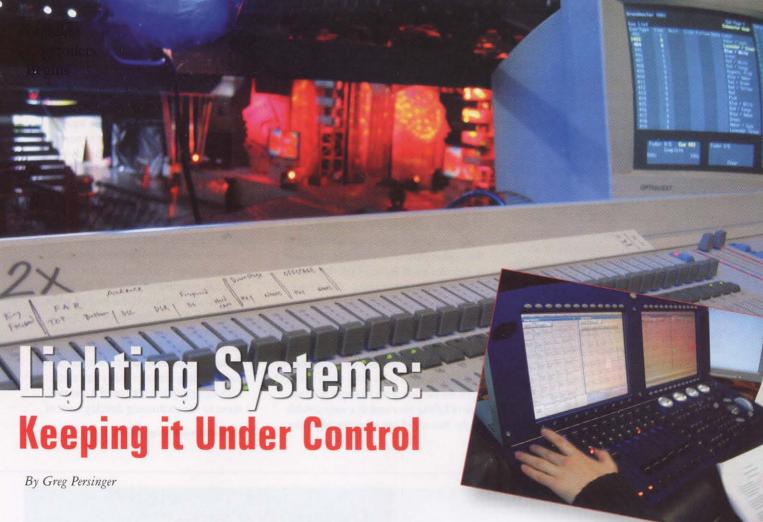
ANALOG WAY Octofade Single Scaler Switcher

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One thing that every technical person wants is to be in control. Yes that's right, we want to control the video, audio, lighting, and even what happens on stage. Of course since that rarely happens we stick to what we can control, which for me is the lighting.

Now I'm not exactly a control freak, but working in the lighting industry for the past 11 years has exposed me to many of the controllers on the market — some good and some bad — and I have developed my list of favorites. Not every controller will work well in every situation, so here are some things to think about when deciding on what console to purchase.

The first thing to consider when looking for a new console is an assessment of your needs. Just as tools have different functions (a hammer and a screwdriver for example), consoles have different functions as well. The idea is to find a console

that will function in a manner that meets your needs.

So how do you know what your needs are? Well. list what you have done with your lighting historically (say in the past five years, and currently in the past year), and then think about what you would like to achieve in the next three years. This assessment will give you a good basis for the features that you need to find in a console.

For example, if in the past five years you have done one Easter pageant and one Christmas pageant for which you rented a 48-channel console, put it on the list. Or maybe you really needed a 48-channel console but had to make do with a 16-channel console — make a note of that.

Then list what you have done in the current year, such as one Easter pageant and one Christmas pageant and a 30-minute drama every other month. For those

dramas you really needed a console that would allow you to playback cues, which you don't currently have.

Finally, list what your vision is for the future: one Easter pageant and one Christmas pageant, as well as three additional special events a year and a 10-minute drama every week during the church service. In addition to this, you would like to add 48 additional channels of dimming in the near future.

Not every church has these requirements, but as long as you know what your production needs are, you are well on your way to choosing the console that is right for you.

Next, you must consider your technical needs. Basically, this breaks down into what communication protocol your current system uses, how many dimmers you have to control, and what other devices — such

as color changers and special effects — are going to be controlled from the console.

Larger dimming systems installed in the past five years typically use the industry standard DMX communication protocol, while most entry-level systems still use the Microplex communications protocol because of the lower cost. Older dimming systems are not always DMX compatible, and may use other protocols such as analog, Microplex, or AMX to communicate with the console. If your dimming system does not speak DMX, then your system will require a console that outputs the proper protocol, or a protocol converter to translate the DMX to your system's lighting language.

Another technical concern is the number of dimmers you need to control. Some consoles only allow control of eight to 24 dimmers, while others will allow you to control 128 to 2084 DMX dimmers or devices. This means that you will need a console that will let you control at least the same number of dimmers you currently have, and possibly more for future expansion.

Along with dimmers, you will also want to take into consideration how many control channels you think that you need in a console. For instance, if you had 48 dimmers but only purchased a 24-channel console, you would have to put more than one dimmer on each control channel. If you purchased a 48-channel console, each dimmer could be on its own control channel. Both methods of operation are valid, but the higher number of control channels give you greater flexibility, but this flexibility comes at a higher price. Don't forget to include color changers and special effects in your counts as well as any future dimming expansions when considering how many channels you need.

The last needs to consider are those of your operators. This is the group of people that are going to program and run the console on a regular basis. Although most lighting

consoles operate on similar principles, each console has its own syntax, or language, that it uses to operate. Some consoles are very simple to learn while others are much more complex. How steep a learning curve the console has should be a consideration when choosing a console. Look for a console that has easy-to-learn basics while having very powerful advanced features, as these consoles offer the most flexibility.

Now that you know and understand your needs, how do you begin shopping? Start with the manufacturer's spec sheet, as this will tell you if a console can meet your dimming and control channel requirements. These can be found on the manufacturer's website or from your local dealer.

Also, ask other churches what console they are using and what they like and dislike, and if the would have purchased something different if they had it to do over again.

You can also talk to your local lighting dealer and see what they recommend and why, or you may want to consider hiring a lighting consultant to help you map out your needs and make recommendations.

Also to aid you in your control quest, I have included quick-links to manufacturers whose products are regularly installed in churches at the end of this article.

Once you have several consoles in mind that you think would meet your needs, arrange with your dealer for a demonstration, or spend the money to rent the consoles for a few days. This will allow you to get a feel for each console and determine if it will work for you or not. Also, take the following into consideration:

How well is the console made? Are the faders and knobs sturdy or flimsy? The sturdier the faders, the longer it will last.

How long has this console been on the market and does the manufacturer support their older products? Your purchase of a lighting console should be viewed as an

investment of 10 years or longer. You don't want to purchase a console that is going to be obsolete in a year.

What kind of support does the manufacturer offer? Will they help you when you have a problem or are you on your own to find the fix?

What storage options are there? Does the console have a disk drive, memory card, or nothing at all? Consoles with disk storage allow greater flexibility as you can save your shows on cheap and readily available floppies or CDRs. Memory cards are better than nothing but are generally harder to find and more expensive.

Is it hardware-based or PC-based? All electronic products tend to crash at one time or another, but PC-based systems seem to crash more often then hardware based systems. If you purchase a PC-based system, include the cost of the PC in the price since you want a dedicated PC for this job.

Does the console have a video monitor? Consoles with video monitors tend to be easier to program because of the additional feedback offered.

Do most functions have buttons and faders? It has been my experience that most amateur operators have an easier time learning a console with hard faders and buttons than virtual faders and function keys. Although this article probably didn't solve all of your control issues, I hope it makes you aware of your needs for control and gives you the basic tools to find the perfect lighting console. After all, it's about keeping your lighting under control. Now if I could just figure out how to control the band. Hmmm.

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COMPANY: A.C.T. Lighting

PRODUCT(S): M.A. Lighting and Zero 88 Consoles

©QUICK-LINK: (818) 707.0884

URL: www.actlighting.com

COMPANY: Applied Electronics PRODUCT(S): LSC line of consoles

QUICK-LINK: (800) 883-0008 or (757) 591-9371

URL: www.appliednn.com

COMPANY: Avolites America

PRODUCT(S): Diamond, Sapphire, Pearl,

and Azure consoles

CQUICK-LINK: (865) 938-2057

URL: www.avoam.com

COMPANY: Electronic Theater Controls (ETC)

PRODUCT(S): Acclaim, Express, Expression, Insight, Obsession, and Emphasis

QUICK-LINK: (800) 688-4116 or (608) 831-4116

URL: www.etcconnect.com

COMPANY: Entertainment Technology

PRODUCT(S): Marquee 24/48

QUICK-LINK: (214) 647-7880

URL: www.etdimming.com

COMPANY: High End Systems
PRODUCT(S): Whole Hog 3, 2, 1000, 500,

and Hog PC

QUICK-LINK: (512) 836-2242

URL: www.highend.com

COMPANY: Horizon Control

PRODUCT(S): Horizon lighting controller

COUICK-LINK: (412) 422-3100

URL: www.horizoncontrol.com

COMPANY: Leprecon

PRODUCT(S): LP Series of consoles

QUICK-LINK: (810) 231-9373

URL: www.leprecon.com

COMPANY: Lightronics

PRODUCT(S): TL line of consoles

QUICK-LINK: (800) 472-8541 or (757) 486-3588

URL: www.lightronics.com

COMPANY: NSI Division of Leviton

PRODUCT(S): NCM, MC, MLC, Melange, and TLC

line of consoles

QUICK-LINK: (800) 996-2276 or (503) 404-5500

URL: www.nsicorp.com

COMPANY: Strand Lighting

PRODUCT(S): 100, 200, 300, 301, and

500 series consoles

@QUICK-LINK: (714) 230-8200

URL: www.strandlighting.com

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