



**The London Home Builders Association**

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## Technology resources for your shows & events.

Resource Stage News is a service publication of Horizon Solutions. This newsletter exists to assist schools, churches, theatres and amateur technicians to learn and keep connected to industry leading technologies and techniques.

An extension of our Resource Stage seminars, this newsletter aims to keep you informed of new trends, pricing, specials and the latest industry news.

Have an idea for our newsletter? Contact us at 519-453-3368 or [info@resourcestage.ca](mailto:info@resourcestage.ca). We would enjoy to hear your feedback!

## Lights, Video, Lights and maybe even some audio here and there.

Once again a busy month is here and things are moving along pretty quick. We have three different Resource Stage seminars this month. A special training seminar with Martin Searancke from LightFactory. An in depth look at the world of video systems with Richard Ridge from Kramer Canada on the 8th in London and another seminar on the basics of LightFactory in Sarnia on the 9th. We are looking forward to being able to answer a lot of people's questions regarding how LightFactory works and where the world of video is going. It's going to be a great month of seminars.

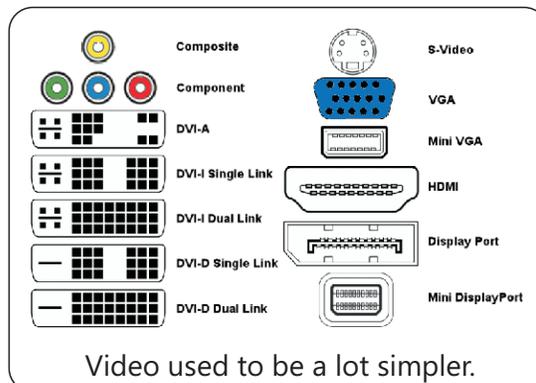
## Christmas is coming!

Christmas is around the corner. If you haven't booked your microphone or lighting rentals for Christmas yet, you should contact us shortly to make sure that we can help you make it happen. Things get busy pretty quickly this time of year and we want to be able to serve all of our clients as well as possible.

**Don't forget, installation customers receive a 20% discount on all rentals.** If you're not sure if you are eligible for a discount just call and ask.

Once again this fall Horizon Solutions provided audio, lighting and video support to the London Home Builders Association's 2011 Awards of Creative Excellence.

Many of our clients only see one side of Horizon. Some only see sales, or just installations or only our event production side. Horizon Solutions is much more than just one of those. We provide solutions utilizing technology. Different solutions for different clients.



Horizon Solutions is a member of



Canadian Institute for Theatre Technology

## Basic floor monitors.

We often receive calls from customers looking for monitors. Last month we looked at different passive monitors. This month we have four active (powered) monitors for you to check out.

### Electrovoice

#### Zx1A 8" Compact

Loudspeaker/Monitor

Good for vocals, guitar & piano this is a versatile monitor for "reasonable" volume levels.



**\$517.00**

### QSC K10

#### 10" Powered Stage Monitor

Great for a wide range of monitor applications. Extremely versatile with both Line & Mic inputs.



**\$789.00**

### EV

#### ELX112P 12" Powered Stage Monitor

Well built, wooden monitor with 1000W internal amplifier. Also suitable for use as a loudspeaker.



**\$599.00**

### QSC

#### KW112 12" Professional Stage Monitor

A very musical sound, wooden stage monitor with 1000W amplifier. Great sounding. 6 year warranty!



**\$1159.00**

# Basics of Stage Lighting

## the quick notes

We have had some clients requesting notes from October's Resource Stage seminar on the Basics of Stage Lighting. It's not really possible to condense 2 hours of talking into less than one page of text but we're going to try and cover the basics here for you.

### What is Stage Lighting?

We define stage lighting as any type of lighting used for illuminating either a staging area or performance. It's important to note that we put a lot of emphasis on the requirement for stage lighting to exhibit predictable, repeatable results every time it's used.

### Components of the system.

#### Lighting Fixtures

These could be wash fixtures, spot fixtures, wall wash (cyc) fixtures or specialty devices. It's important to note that a fixture can be used for multiple purposes. For example, a spot fixture may be used as a wash fixture in the right context with the right filtering / diffusion. There are a wide range of fixture options out there. Why someone would chose one over another is a much longer discussion than what we can cover here. Feel free to contact us for more information.

#### Power Distribution - Dimming

Often misunderstood, the dimmer pack is the hub between the electrical power and your lighting fixtures. The dimmer is designed to distribute power on separate channels to each circuit. Dimmers come in various sizes, shapes and configuration. The key for many of our clients is to ensure that the power is managed properly. Remember, a 500W light, when plugged into a 120W power source will draw approximately 4.2 Amps. If you have a dimmer with a 10Amp breaker then

you can only plug two lights into that circuit. It's very important to understand your power consumption before you get started.

#### Lighting Control

Understanding how you're going to take control of your system is very important. There are a wide range of control options from very basic fader controllers through to very sophisticated control devices. You need to make a decision to find a control device that will allow you to deal with your technical needs while allowing you to be able to create a level or art with the lighting. The balance is the key.

### A word about DMX.

In it's simplest form DMX is the digital control protocol used by most contemporary theatrical and concert lighting devices. DMX is a continuous stream of 512 "channels" worth of information being sent down a line the size of a typical microphone cable. DMX allows for individual control of these 512 pieces of information allowing for control of conventional dimmers, LED fixtures and moving lights.

### A few thoughts on the Systems.

Lighting systems are not typically complicated. Control, power and fixtures, that's it. You need some way of hanging or supporting the lights wherever they need to be but that's not hard to deal with. Most of the problems that people have with lighting is not planning enough.

It's important to know what you're lighting, what sort of scenes you need to light, the power source and how much time you have. With those four things you should be in good shape. You can always call and we'd be happy to help.

# RENTAL solutions

## Christmas is coming!

Yes it does seem like it's a long way away but not really. It's true, Christmas is coming!

Schools are getting ready for concerts. Churches have lots of events planned. Community theatres are all getting ready for that big family show that will hopefully pack the house!

Whatever show or event you're working on this year don't forget to contact us early to book your mics, lights and video equipment. We definitely want to be able to help you out!

Contact Paul Walker at 519-453-3368 or paul@horizonsolutions.org

rent a Sanyo PLC-XP150  
6000ANSI  
Lumens  
XGA Projector  
\$300 /day  
\$600 /week



rent a set of 4 wireless microphones c/w earset microphones

\$220 /day  
\$440 /week

rent a followspot to light up your performers

\$55 /day  
\$110 /week



rent a pair of choir mics for your performance

\$20 /day  
\$40 /week  
(based on two mics)



rent a professional moving light with two gobo wheels and CMY colour mixing

\$125 /day  
\$250 /week



rent a complete wired communications system with four headsets, four belt packs & power supply

\$125 /day \$250 /week

Ask about rental discounts for installation customers

rental equipment may not be exactly as shown

## Technology Tips... Did you know?

### Avoid the Snap, Crackle & POP!

It happens on every stage. The guitar player unplugs their guitar while the channel is up and POP! Everyone in the room knows it.

First we should talk about why it happens. When you pull the 1/4" Tip/Sleeve connector out of a guitar, the tip often makes contact with the sleeve portion of the receptacle within the guitar. When this happens we get the "snap, crackle & pop". If you're lucky that's all you get. In some extreme cases you can end up finding yourself with blown speakers.

So what's the solution. Well you could mute the channel before the musician disconnects. That's a great plan but sometimes musicians are... unpredictable. With the Digiflex pro instrument cable the integrated switch breaks the connection with the sound system as soon as the connector is pulled from the guitar. Therefore there is no connection to pass the sound of the pop so the system never sees it, the audience doesn't hear it and your system still works for another day. We keep these cables in stock. (For interest sake we probably don't have your replacement speaker components in stock) Call or email for pricing or more information.



1-800-698-8796

info@horizonsolutions.org

## GEAR THAT'S GOT OUR ATTENTION

### DMX King UltraDMX Pro

USB to DMX Device AND DMX Splitter all in one box!



We've been selling USB to DMX devices now for around 6 or 7 years. We have seen the good and the bad ones. The cheap and the expensive ones. But none of them look or work quite like this one.

DMX King from New Zealand has stepped out with a very unique design with this UltraDMX device. The device can be used in three different configurations. Single universe on USB to four XLR outputs. Two universes on USB to two pairs XLR outputs. Or you can use it as a simple four port splitter. Very versatile in a little package.

DMXKing UltraDMX Pro  
**\$199.00**

### MAC350 Entour LED Profile Moving Light



This isn't a really new fixture but it's one that's certainly worth noting. The Martin MAC350 Entour is a great little package. 8 Colours, 6 gobos, dimming, strobing, motorized focus, iris and a LED light source that is almost as bright as a 575W HID moving light.

This light is a great package for many applications.

MAC350 ENTOUR  
**\$4300.00**



resource stage seminar

November 8th 2011

Video Systems

sponsored by Kramer Canada

Video is probably the fastest changing part of our business. There are always changes taking place in the world of audio and lighting but the speed of which these systems change is nothing compared to what happens in the video world.

This seminar is one that Richard does not normally present to "end users". The seminar is designed for video system designers and technicians. It's a privilege for Horizon Solutions to be able to bring Richard in to speak about the changes taking place within the world of video and how you can be prepared into the future with your video system.

# NEXT SEMINARS

NOV 8th 2011 - LONDON

## VIDEO SYSTEMS

NOV 9th 2011 - SARNIA

## LIGHTFACTORY

PC BASED LIGHTING CONTROL

### 2011/12 Seminars

Jan 10th - LONDON - Audio Fundamentals "Starting from the beginning"

Jan 11th - SARNIA - Audio Fundamentals "Starting from the beginning"

Feb 7th - LONDON - Lighting Effects & Moving Lights

Feb 8th - SARNIA - Lighting Effects & Moving Lights

Mar 13th - LONDON - Microphone Techniques

Mar 14th - SARNIA - Microphone Techniques

Apr 10th - LONDON - The Vocal Microphone Shoot Out

sign up at [www.resourcstage.ca](http://www.resourcstage.ca) to receive emails about the next Resource Stage seminar - \$5 @ the door - no registration required



Get connected to industry leading technology and techniques.

Audio, Lighting & Video Seminars for Amateur Technicians

Resource Stage seminars are an opportunity for the part time technician, teacher or theatre enthusiast who wants to learn more about the technical aspects of shows and events.

We encourage all participants to come with their questions and real life experiences to add to the discussion forum.

Each month we discuss and explore the latest technology and techniques as presented by industry professionals.

# stagestore.ca

Theatre & Stage Supplies in stock, in London.



### DMX King Ultra DMX

USB to Single Universe DMX

**\$109.00 / each**

### Rosco Tough Prime

The best way to cover your stage floor, flats or risers.

**\$45.00 / gal**

**\$210.94 / 5 gal**



## GOOD

### Kramer VP436

Switcher Scaler



One XGA, Two HDMI One SVideo  
One Composite Video, Two Component Video Inputs  
One XGA Output, One RGBHV & One HDMI Output

**\$1095.33 / each**

## GREAT

### Kramer VP728

Switcher Scaler



Two XGA Inputs Two HDMI Inputs  
Four Universal Inputs  
One XGA Output & One HDMI Output

**\$1495.53 / each**

Some projects need good & some require great!



Professional Lighting Control System  
512 Channels of DMX Output  
10,000 Submasters, over 9 Trillion Cues,  
unlimited effects, moving lighting &  
conventional dimmer control

**\$500 / license**

### USED 25' Mic Cables



**\$11.25 / each**

**\$100.00 for 10**

Digiflex Professional Grade XLR Cables /w Nuetrrik Connectors (other sizes available upon request)



### ENTTEC DMX USB Pro

USB to DMX Device  
A great companion to LightFactory

**\$135.00 / each**



### Radial ProAV1

The perfect interface to go from your iPod, computer, cell phone, CD player, DVD player or pretty much anything you can think of, into your audio system.

**\$139.20 / each**

## Horizon

SOLUTIONS

audio - lighting - video

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