

## 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.

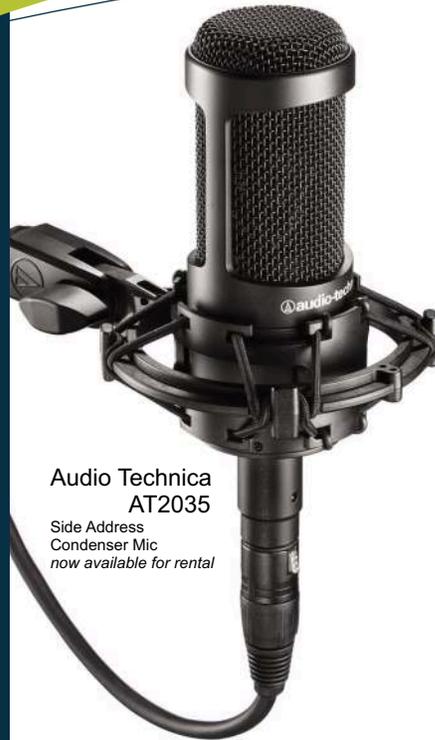
An extension of our Resource Stage seminars, this newsletter aims to keep you informed of new trends, pricing, specials and the latest industry news.

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

Horizon Solutions is a member of



Canadian Institute for Theatre Technology



Audio Technica  
AT2035

Side Address  
Condenser Mic  
*now available for rental*

Every year, around the beginning of November, things start to get kind of hairy around Horizon Solutions. We have a number of schools putting on their Fall performances. And, of course, there are clients who are looking to complete installations before either Christmas or the end of their fiscal year. On top of that we have seminars and shows going on for many clients. Frankly, it's a great time of year! We enjoy being busy. We like working with clients and it's great because with all of these different things going on each day is a different adventure. No one at Horizon is bored at this time of year!

So, the first thing to say is this - if you were hoping to get an installation completed by the end of 2012, you'd better call today (but we can't promise anything). And if you are looking to rent lighting, audio or video equipment for your event or next show, now would be a good time to call and book that.

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## Christmas is coming but there's lots to do before it arrives!

Horizon Solutions continues to expand our rental department with more speakers, more microphones, more projectors, more lighting, more drapery and as always, more cable. As our rental and show clients' needs develop, we will continue to evolve and grow. If you are looking for something to rent and you're not sure if we have it - just ask. We will help you out.

We are very happy with the way our 2012/13 series of Resource Stage seminars are coming together. So far, people have had the chance to learn about how audio mixers work and they have been given some good solid recommendations on how to have a successful soundcheck or rehearsal.

Coming up are lighting seminars, audio demonstrations and a video projection session. There's a good selection for everyone.

# Horizon

SOLUTIONS

audio - lighting - video

## Consumable products that everyone should have on hand!

There are some products that just make putting on a show easier. Sure, you can do without them but with these items your shows can go more smoothly, look better and in some cases, be easier to tear down afterwards.

### BLACK GAFF TAPE 2" x 60 Yards

Perfect for masking and taping things down.

\* stocked in black & white but available in many other colours \*



### Rosco Tough Prime - Primer

Available in Black and White. There is no primer available at any house paint store like Rosco Tough Prime. You can paint this on anything and then paint the colour of choice. Or in the case of a stage floor, just paint using black and you're good!



Try it! Experiment with styrofoam or tin foil... you'll be amazed at how well it works.

### Glow Tape

Whether your motivation is avoiding liability or avoiding a stubbed toe, Glow Tape is worth every penny.



### Flame Retardant

Treating your flammable materials on stage is a no brainer. Rosco Flamex is suitable for treating a wide range of flammable materials.



# VIDEO: DIGITAL VS ANALOG

## part 1 - SETTING THE STAGE

Welcome to the craziness that is video in the year 2012! The video world is changing rapidly and we're all moving as quickly as we can to keep up. This article is a two part piece to explain the differences between the analog signals and video devices we used just a few years ago and the newer digital devices and transport methods we use today.

**Part 1** - This will help to set the stage so we can address the question, "Why shouldn't we continue to use the less expensive, tried and true analog systems we have had for years?" If you read this and you have questions, please contact us at Horizon and we will be happy to discuss it with you further.

### ANALOG VIDEO

Analog video has been around for a very long time. Even in the last 10 years analog video systems has been the norm in most schools, churches, offices and theatres. Analog is a relatively inexpensive transport for most video signals. Analog transport is capable of passing reasonably high resolutions, including 720p and higher.

### Current Common Digital Transport

The first most commonly used digital video signal transport was DVI (Digital Visual Interface). This connector and signal protocol was first created in 1999 and is suitable to be used for resolutions of up to WUXGA (1920x1200).

Unfortunately, standard DVI is not suitable for transporting signals further than 33ft (10m) at WUXGA.



Today consumers use HDMI as the digital video signal transport in their homes and offices. HDMI was first developed in 2002

by a group of seven consumer electronics manufacturers: Hitachi, Panasonic, Philips, Silicon Image, Sony, RCA and Toshiba. This signal transport is the current standard for consumer electronics and is quickly becoming the norm on many personal computers and handheld devices. With HDMI, devices are able to send picture resolutions of 1080p (1920x1080) and up to as high as WQXGA (2560x1600). A similar story to DVI and HDMI, in its native form - is unfortunately limited to a distance of 50' (with high quality professional grade cable).



There are now two other digital signal transports which are quickly becoming common. DisplayPort and Thunderbolt (Thunderbolt is technically an Apple variation on DisplayPort). Both signals are capable of much higher bandwidth than HDMI and DVI resulting in higher possible resolutions. Both signals are capable of sending much more information than the HD video, audio and network control that HDMI can currently send. Both are high quality and DisplayPort has good potential to take over as a new standard. At this time DisplayPort still has a much smaller piece of the market compared to HDMI. The good news is that DisplayPort is compatible with basic HDMI signals.

Display Port Connector



Thunder Bolt Connector



### More to come in PART 2 - Next Issue!

Horizon Solutions has been installing video systems for clients for over 15 years now. Many things have changed, but our commitment to providing clients with sound advice has not.

# RENTAL solutions

**BRING ON THE RENTALS!**

**Wireless mics, lights, speakers, communications, drapery, screens, projectors, effects lights, hazers, dry ice machines... and lots more**

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

**PROFESSIONAL LED FIXTURES**  
**SMOOTH COLOUR MIXING**  
rent a LED Fixture  
\$22 /day  
\$44 /week



**FOLLOW SPOT / SPOT LIGHT**  
*A staple at many shows and concerts, the followspot is a tried and true solution for many lighting needs.*

rent a Roland VR3  
\$35 /day \$70 /week

**MOVING LIGHTS CAN ADD A LOT OF FLARE TO AN EVENT!**

rent a Moving Light  
Call for Pricing  
We have options!



**HEADSET COMMUNICATIONS SYSTEM**

rent a four station headset/beltpack system  
\$87 /day \$174 /week



**DIGITAL AUDIO CONSOLE**

rent a Presonus StudioLive 24.4.2  
\$100 /day  
\$200 /week



**GOOD LIGHTING REQUIRES A GOOD CONSOLE**

rent a SmartFade  
\$30 /day  
\$60 /week

**GO WIRELESS LAV MICROPHONES, EARSET & HANDHELD MICS**

rent a wireless mic starting at  
\$35 /day \$70 /week



**Yes!**   
we can deliver, setup & pickup  
(delivery, setup & pickup charges are quoted per rental)

rental equipment may not be exactly as shown

## Technology Tips... Did you know?

**Save some money, save the environment, save the last minute panic!**

Our industry is joined at the hip with the battery industry. There is no getting around it. Everyone wants wireless this, that and the other thing. So, what do we do about that? Well, up to recently, we have been recommending that our theatre, school and church clients continue to purchase new batteries for their wireless mics, in-ear monitors, remotes etc., but then something happened. We were introduced to Ansmann Batteries from Germany. We have never seen rechargeables like these before - battery life like an Alkaline but in a rechargeable. It's fantastic! We have been selling these batteries for a few months now and everyone is happy. Customers are saving money. They're throwing out fewer batteries and they don't have to guess if they have batteries for their next show. With a 3 Year Warranty and a price that can't be beaten, we recommend all of our clients consider Ansmann!



1-800-698-8796

info@horizonsolutions.org

## GEAR THAT'S GOT OUR ATTENTION

**ATM450**  
A very interesting side address condenser microphone



The ATM450 is a very interesting mic. In a small package, this side address condenser microphone is great for many different instrument applications. **Two of the most interesting uses are for wind instruments and pianos.**

If you're looking for a good mic for those "tough to know which mic to use" applications, this ATM450 may be perfect for you.

As with most Audio Technica mics, the ATM450 comes with a 2 year warranty.

Audio Technica ATM450  
**\$269.99**

**Allen & Heath**  
GLD80 Digital Mixer



This is not the first time we have highlighted the Allen & Heath GLD digital audio system. We bring it up again because the system has been the fastest selling digital audio package that we have ever had.

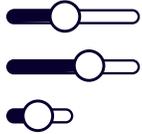
We can't get over the response to this product. Everyone who uses it likes it. The package is so smart, with a price tag so great that it's hard to ignore.

Contact us for a demo so you too can understand what the hype is all about!

GLD Digital Audio Mixer  
**Contact Us for Pricing!**

**LIGHTFACTORY**  
THEATRICAL LIGHTING  
CONTROL SOFTWARE  
TRAINING NIGHT

7:00PM  
NOVEMBER 20th 2012



More and more users are starting to realize the potential of PC Based Lighting Control Systems. Come learn about how this power software is changing how schools, theatres and churches are using lighting.

# 2012/13 Seminars

LONDON ONTARIO

- Nov 13th - Stage Lighting 101
- Jan 15th - Trouble Shooting Audio/Video Systems
- Jan 29th - MYMIX DEMO NIGHT
- Feb 12th - Live Audio Mixing 101
- Feb 26th - Allen & Heath GLD DEMO NIGHT
- Mar 19th - Large Image Projection

sign up at [www.resourcestage.ca](http://www.resourcestage.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.

*Horizon Solutions sells theatrical and staging products from the standards to the obscure.*



Allen & Heath  
ZED420  
16mic/line inputs,  
2 Stereo Inputs & USB  
**\$1,375.00**



## USED RENTAL PRODUCT

Elation Design LED12 Brick  
12 x 1W RGB LED FIXTURE

**\$1500.00 for 10 FIXTURES!**



K&M Mic Stand  
/w Boom  
Black or Chrome  
Pro Mic Stand  
**\$69.43**



K&M Mic Stand  
/w Extendable Boom  
Black or Chrome  
Pro Mic Stand  
**\$74.91**

## BRAND NEW OVERSTOCK ITEM

Electovoice SX300PIX  
Weather Proof Speaker

**\$1300.00 for 2 SPEAKERS**

(that's a pair of weather proof speakers for less than two regular Sx300e speakers)



AUDIX OM7  
Excellent Sounding  
Professional Vocal Mic  
**\$224.99**



AUDIX OM3  
Great Sound / Great Value  
Professional Vocal Mic  
**\$130.49**



AUDIX i5  
One of the most versatile  
mics on the market  
Pro Instrument / Vocal Mic  
**\$101.49**

# Horizon

SOLUTIONS

audio - lighting - video

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