



# Welcome Back to Resource Stage!

## 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 learn about and remain 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

audio - lighting - video

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It's that time of year again when the hustle and bustle begins. Holidays are over now and it's time to get down to business. Right?

Well I'm not sure what you've been up to all summer, but I can tell you that we, at Horizon Solutions, have been logging many overtime hours - working to complete projects for our clients. We have had the opportunity this summer to work with a variety of different clientele on many interesting projects. We haven't really stopped, and this fall doesn't show signs of slowing down.

We're not complaining. We are very happy to have clients who put their faith in Horizon as their supplier of choice. Thank you!

**Resource Stage Seminars begin again this September 10th, 7pm at Horizon Solutions. This session will look at Stage Lighting - conventional and LED fixtures.**

This is a great session to take in as you're working on plans for the fall or possibly even Christmas. We'll be talking about the pieces of a stage lighting system and how to plan out your system to get the most out of it. A good session for first timers and audio folks who are "forced to do lighting".

## RESOURCE STAGE CONFERENCE 2013



Thank you to everyone who joined us for the Resource Stage Conference at The Grand Theatre. It was a success! We have received so many great comments and encouraging notes from attendees, suppliers and guest speakers that we have committed to another conference in 2014!

Mark your calendars - October 4th, 2014 at The Grand Theatre!

# 10.04.14

If you have feedback, suggestions or comments regarding the conference, we would love to hear from you. Call 519-453-3368 or email [info@resourcestage.ca](mailto:info@resourcestage.ca)

# Recording & Playback Devices

Today, playing back and recording audio is something we often do with computers or handheld devices. However, many of our clients are looking for a more secure, easier to use, and simpler way of playing back and recording. These are some of the devices we recommend and have had great success with.

## Tascam CD-200BT

CD Player with Bluetooth Connection. Play your Cd's directly or play audio from your wireless Bluetooth enabled device through this device.



## Tascam SS-R100

Solid State Recorders are great when it comes to archiving your event, service or show. These Tascam devices record to Mp3 or WAV. They work every time & are easy to use. The upgrade SS-R200 features balanced inputs & outputs while the SS-CDR200 adds CD media as a recording option.



## Denon DBT-1713UDP Blu-Ray / DVD / CD Player

When you are fed up with the inexpensive DVD or Blu-Ray player failing one too many times, the DBT-1713UDP is probably the answer. Nothing too fancy, it does everything you expect from one of these devices, and it does it well. But don't expect to pay big box electronics store prices for it.



# The Q-SYS Factor.



Unless it's your job or you just really like audio stuff, it is probably hard to understand why anyone would be excited about something like the QSC Q-SYS.

Frankly, as far as most of our clients are concerned, it's a fairly expensive black box that just sits there. (At least it has nice flashing lights and an LCD display on it.) But why does it matter? Why would you want to know if a Q-SYS is built into your system?

Good questions. First, Q-SYS is a DSP.

## What is a DSP?

An Audio Digital Signal Processor allows for manipulation of the audio signals in the following ways (and often more ways);

### Audio routing through a matrix system

(Ie often different speakers in the same or different rooms)

### Provides System EQ for inputs / outputs

(Allows for frequency adjustments - used to adjust for listening pleasure as well as to avoid problem frequencies which could result in feedback)

### Limiters / Compressors

(Protecting your system)

### Delays

(Allows for different outputs to receive signals delayed from the others. Used often for speakers setup a distance from the source / main speakers.)

### Crossovers

(Typically used if you have a system with separate high frequency and low frequency speakers. Provides separation of signal to each dedicated speaker driver.)

"But if all DSP's do those things why would someone want a Q-SYS specifically?" Well there's more to it. Not only does Q-SYS do all of those things better than most DSP's, it also does a LOT more.

Let's start at the beginning. Q-SYS, different than most DSP's in part because it's a computer. A real computer with a real Intel CPU chip inside. And because it's a real computer, you can tell it to do all kinds of different things and it will either respond or in turn tell something else what to do.

That may seem like a good idea, but what does that really mean? Well, in some Q-SYS projects, we have used small colour touch screens connected to the Q-SYS to control things like system power, projection screens (up/down), projector power, individual microphone volumes and even lighting. Yes, you read that correctly. We're using the Q-SYS as a complete controller for these systems. We can make the Q-SYS control almost anything in your system. Not only that, but when everything is controlled together, then one button can be used to control a great number of things.



Imagine this; in your theatre you press one button. The lights dim, the projection screen which was showing pre-show images is retracted, the video projector turns off, the pre-show music fades and the announcement asking people to turn off their cell phones is triggered. One button. One device. Oh and I forgot to mention, that button can be on your iphone!

Yes, the Q-SYS is more expensive than a basic 8 channel digital signal processor found in many of the installations we have done over the last 5 years. But it's less expensive than an audio processor and a system wide controller. And this is just the beginning. QSC has committed to building a smaller version of Q-SYS at a lower price tag as early as January 2014. This will allow for even more of our clients to benefit from the control options of the QSYS.

We've really only started to touch on what this processor can do. If you'd like to know more contact Don Klassen or Carl Lukings at Horizon Solutions. We'd be happy to discuss it with you.

# RENTAL solutions

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

## PUTTING ON A CONCERT OR SPECIAL EVENT?

Horizon Solutions' staff have been working on concerts, shows and special events like awards banquets, figure skating shows, dance shows and fundraisers for what seems like forever! (at least since the 80's)

## MOVING LIGHTING

Rent an LED Moving Light for \$35 / day or \$70 / week



## HIGHLIGHT YOUR STAR

Rent a FS400 Followspot for \$35 / day or \$70 / week



## STAGE LIGHTING

Rent a ETC Source4 for \$10 / day or \$20 / week



## FOG MACHINE

Rent a PRO Stage Fogger for \$45 / day or \$90 / week



## GEAR THAT'S GOT OUR ATTENTION

### Cost Effective Wireless Mics for small applications

#### Shure BLX Wireless



Wireless microphones don't get much simpler than this.

Shure quality audio, RF and Audio signal level indicators, rack mount hardware included in the box and multiple channels.

This is not the wireless microphone for most of our clients applications but for those projects where you'd like occasionally to have wireless and you must keep the price down this is a great little package.

**\$399/w** SM58 Handheld  
**\$449 /w** Beta58  
(rackmount versions)

### Radial Engineering Laptop DI Box

Compact Passive DI  
SB-5 Laptop



Built on the world wide success of their ProDI and ProAV1 products Canadian DI manufacturer Radial Engineering has launched the Stage Bug Series of compact "gig bag" DI solutions.

Built like a tank and great sounding next time you need a small DI you may want to consider grabbing a StageBug.

**SB5 Laptop DI - \$104.40**  
**SB 2 Bass/Keyboard DI - \$78.30**  
**SB 1 Acoustic Active DI - \$78.30**

**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?

### Getting a good base is key.

When it comes to painting your stage, props or sets, starting with a good base makes all the difference. Rosco Tough Prime is great base!

The industry standard for painting stages and sets is Rosco Tough Prime. There is no other paint like it, (definitely not for the price).

Tough prime can be painted on pretty much anything, and it's available in both white and black. The white primer can be tinted. Try tough prime on styrofoam, tin foil and rubber... it's pretty cool how it works.

Horizon Solutions is an authorized stocking dealer for Rosco theatrical products - gel, tape, paint, gobos and effects. Contact us for more information and pricing.



## Upcoming 2013/14 Seminars

### September 10th Stage Lighting

- LED & Conventional Lighting -

### October 8th Audio Mixers 101

- Every Knob, Jack & Button -

[www.resourcestage.ca](http://www.resourcestage.ca)

# 2013/14 Seminars

LONDON ONTARIO



Get connected to industry leading technology and techniques.

Since January of 2005, Resource Stage Monthly Seminars have provided Amateur Technicians and Operators with the opportunity to hear from, ask questions, and speak candidly with some of the best professional audio, video and lighting technicians in Canada.

Our 2013/14 seminar series will feature some of our standards such as Audio Mixers 101, while looking at some new topics in 2014. Watch for seminar information online this fall!

**sign up at [www.resourcestage.ca](http://www.resourcestage.ca) to receive emails about the next Resource Stage Seminar**

### 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.



### Multi-Media DI Box

Radial Pro AV1

"Swiss Army Knife DI"

\$129.99



### Audio Technica AT4041 Condenser Mic

Great for Instrument & Choir Applications  
\$319.00



### Audio Technica AT2035 Condenser Mic

Great for Instrument & Choir Applications  
\$165.00

**USED**



### QSC HPR122i MONITOR/LOUDSPEAKER

Professional 500W  
Powered Speaker  
\$800.00 / each  
(sold in pairs only)



### Microphone Cables

Digiflex Professional Grade  
Microphone Cables with  
Lifetime Warranty  
10' - \$14.40  
15' - \$15.60  
25' - \$17.60  
35' - \$20.80



### Quality Compact Mixers built to last for a long time.

Soundcraft EPM & EFX Mixers featuring steel construction, faders, internal power supplies and XLR balanced outputs.

Larger mixer quality in a compact format.  
EPM6 - \$279.00  
EPM8 - \$319.00  
EPM12 - \$399.00



### Being able to see is important.

Littlite builds LED console lights for every audio and lighting console available. Contact us for more info.  
LED 12" or 18" XLR - \$62.25  
LED 12" or 18" BNC - \$54.00



### Lighting control for smart people who aren't necessarily lighting people.

Whether you're looking to light a show completely with LED Lights and moving lights, or you just have a few conventional lights on a dimmer the Pathway Cognito is a great console.

STARTER Console - \$3,280.00

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