



Audio • Lighting • Video Systems
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Heather Gardens Aurora, Colorado Audio System Digital Console Upgrade

Design: Roland Dutzmann
November 10, 2023

Digital Console System

The Digital Console Options below should be discussed in detail in terms of features, capabilities, ease of use, and the degree of being able to "lock out" certain functions from some or most users to avoid unplanned changes in console configuration and settings.

In general, System A and B have most of the same features and capabilities. System A is a bit easier to learn and, more importantly, has much more detailed programming capabilities of various User Access and Lockout features independently on all input and output channels, which is something I consider to be a major benefit. That said, System B has a good amount of Global (all input and output channels together) user access options. In either case, specific users would have specific Password logins which assign their predetermined access rights.

System A

- 1) Yamaha QL1 Digital Console – 32 XLR Mic/Line Inputs (with Tio1608 below)
- 1) Yamaha Tio1608 16 x 8 I/O Rack (Expander for QL1 Console Inputs)

-OR-

System B

- 1) Allen & Heath SQ-7 Digital Console - 32 XLR Inputs and 2 Stereo TRS Line Inputs

Interface

- All) Miscellaneous cabling & Connectors for interface of QL1 and Tio1608 system or the Allen & Heath SQ-6 Digital Console System
- All) Miscellaneous Installation Hardware

Installation & Services

Including but not limited to:

- A) Remove existing Presonus console
- B) Install new Console system
- C) Re-route console cabling to accommodate the new console systems
- D) Change connector types as/where needed for the new console system
- E) Connect all cabling and augment as needed
- F) Neatly harness all console cabling for clean installation and increased cabling Reliability
- G) Interface console system with the existing DBX ZonePro Digital Matrix processor to retain current "With Console" and "Without Console" A/V system presets
- H) Pre-program digital console for proper routing, channel labelling, processing, etc., prior to session(s) for creating suitable scenes
- I) Session with various user scenarios (speech, music groups, aerobics, etc.) to create optimized "USER SCENES" for various functions in the multi-purpose space
- J) Operational instruction with various users

I & J above to include up to two different dates/times for various groups and users to set up their scene scenarios and provide operational training. We would work out a schedule with Heather Gardens prior to system installation.

System Prices:

System A

\$13,300

System B

\$10,225

Typical Terms:

1. 20% System Installation deposit
2. Progress payments billed with 15-day terms up to 85% of contract total
3. 15% balance due 15 days after completion of installation

Frolics Club Proposal
FOR
Clubhouse Auditorium
Sound System

2. Conclusion on condition of the sound system and your recommendation for remedies.

The Frolics Board worked with two consultants to analyze the condition of the sound system. We looked at the existing sound board, and also tested all sound equipment - headset microphones and handheld microphones.

Regarding the microphones, we report the following:

o Test results:

- Good Mics: 12, 17, 21
- Mics needing a new headset: 13, 18, 19, 21
- Mics needing total replacement: 14, 15
- The sound board can connect to 14 "headset" mics, and 2 handheld mics, for a total of 16

- Seniors 88 has 2 headset mics that could be loaned to Frolics
- New headset only:
 - Earhook Headset Mic for Shure Wireless Microphone System: \$79.89
- New headset package (headset, transmitter, and receiver);
 - XD-V75HST Digital Wireless Headset System: \$549.99
- Option 1
 - Purchase 4 new headsets and 2 new complete headsets: **\$1419.54**. This will give us 9 working headsets (plus 2 from Seniors 88) for a total of 11, plus 2 handheld mics.
- Option 2
 - Purchase option 1 equipment plus 3 additional complete headsets: **\$3069.51**. This will give us 12 working headsets (plus 2 from Seniors 88), for a total of 14, plus 2 handheld mics.
- Option 3
 - Purchase 12 new complete headsets: **\$6599.88**

We also received a quotation from AcousTech for a replacement of the existing sound board. Roland Dutzmann, president of AcousTech, originally tested the system earlier this year. His assessment is that the system is old, and has many problems. Several channels are no longer working. He presented two options. System A: \$13,300. System B: \$10,225. Both options include installation cost. These systems are not plug and play. They require expert customization. See attached quotation detailing both options. I could also provide additional technical detail on both systems if required.

3. Other recommendations (Secure controls, etc)

Replacing the existing sound board system would add new security. The current sound board does not have this capability. The proposed new sound system provides the capability to "lock out" certain functions from some or most users to avoid unplanned changes in console configuration and settings. Specific users would have specific Password logins which assign their predetermined access rights.

The Frolics board also suggested physically securing both the sound board as well as the sound booth. We are looking for a company to provide a locking cover for the sound board to prevent people from "messaging" with it. We also could have someone in the wood shop design and build a locking cover that would suit our needs.

The second important security problem is that access to the sound booth is open to everyone. The doors to this area in the back of the Sandborg auditorium remain unlocked. We would like to work with the clubhouse manager to develop a secured access procedure. We should lock the door, and then develop a process for authorization for use. We would create a list of authorized people. Anyone with access to the sound system would need to be properly trained.

I hope this provides you with the information you need. Please contact me with any additional questions you have. My availability is limited next week due to the rehearsal schedule for the Seniors 88 production, but if there is a meeting you would like me to attend, I would do that if I'm available.

Thank you.

Wayne Wharton
Business Manager, HG Frolics Club

Sweetwater

Music Instruments & Pro Audio
5501 US HWY 30 W
Fort Wayne, IN 46818
(800) 222-4700
Sweetwater.com

Quote Number 9407630
Quote Date 1/4/24
Delivery Method FedEx Ground (Business)
Customer Number 13008157

Quote To: Wayne Wharton
Heather Gardens Frolics Club
2888S S Heather Gardens Way
Aurora, CO 80014

Ship to: Wayne Wharton
Heather Gardens Frolics Club
2888S S Heather Gardens Way
Aurora, CO 80014

Qty.	Item	Description	Retail Price	Your Price	Total
1	SL32SC	PreSonus 32-ch Digital Rack Mixer Tax Exempt Certificate	\$1,999.99	\$1,910.00	\$1,910.00
1	NSB168	PreSonus 16x8 AVB Stage Box	\$899.99	\$899.00	\$899.00
1	EtherShield5	Pro Co 5' Shield Cat5e etherCON Cable	\$79.95	\$39.99	\$39.99

Subtotal:	\$2,827.99
Shipping & Handling:	\$55.95
Free Shipping Promo:	-\$55.95
Tax:	\$0.00
Total:	\$2,827.99

Your Sales Engineer Is David Hess:

Dear Wayne,
If you ever have any questions or concerns, please do not hesitate to contact me at (800) 222-4700 x1398 or david_hess@sweetwater.com.

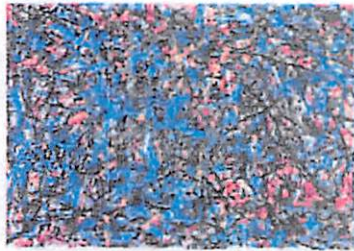
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To make a return, simply contact your Sales Engineer to start the process.

For additional information on returns, please visit Sweetwater.com/help.



Ken Rinehart

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Denver, CO
80222
319.521.5695
kenrinehartmedia@gmail.com

ESTIMATE FOR HEATHER GARDENS

EST0007

DATE

Feb 1, 2024

TOTAL

USD \$300.00

TO

Heather Gardens Frolics Club

2888 S Heather Gardens Way
Aurora, CO 80014
303.995.9246
waynzworld@comcast.net

DESCRIPTION	RATE	QTY	AMOUNT
Instalation of New Mixing Board Date TBD	\$75.00	4	\$300.00
TOTAL			USD \$300.00

This will involve taking the current mixing board out and setting up new board to the monitors and PA System.