

<b>Sound Department</b>	CB 3235 Center For Dramatic Art Chapel Hill, NC 27599	c: 760-717-4082
		e: <a href="mailto:gastelum@email.unc.edu">gastelum@email.unc.edu</a>
		w: <a href="http://ryangastelum.com">ryangastelum.com</a>

# Capital Request

**Prepared for:**

**Joseph Haj**, Producing Artistic Director

**Hannah Grannemann**, Managing Director

**Heidi Reklis**, General Manager

**Michael Rolleri**, Production Manager

**Prepared by:**

**Ryan J Gastelum**, Resident Sound Designer/Engineer

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## Overview

In my brief time at Playmakers I've performed a decent review of our sound system. Overall the system works and is comprised of decent elements. However, most of them are starting to show their age and are cobbled together of disparate parts. These are currently working together, but a lot of the difficulties and acoustical problems of the Paul Green would benefit from upgrades in key areas. I've outline in order of importance what those areas are below.

## Sound Reinforcement System

When thinking of sound design, people often forget that one of the most important aspects is what happens between the loudspeaker and listener's ear. A thrust theater presents many challenges, but in my experiences in the Thrust at The Guthrie and the Fichandler at Arena Stage I have learned ways to overcome those challenges. In order to this I need certain tools. The system has been designed to give every audience member the same experience, produce excellent sound for our straight plays, and will also work exceptionally well for musicals. I believe it is important, as we embark on an exploration of musicals in our repertoire, to have the proper tools to achieve the high standards that both our audience and us as a company have come to expect of Playmakers.

Below is a quote I have received from d&b Audiotechnik, whose US offices are in Asheville. d&b does extensive outreach and education. Having one of their systems would provide an amazing opportunity for our students to learn on world class equipment, and have access to d&b's educators in Asheville. Though it appears expensive, the discount they have given us brings it into range with any other system we might consider. The quality of these loudspeakers is exceptional and would meet all the needs discussed above. I am familiar with this company and the gear, and if necessary, this system could be purchased in parts over a couple years. I have included two price totals, one if we were to purchases it all out and a second showing what I would recommend purchasing first if it were to be acquired in parts.

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<b>Total d&amp;b Quote</b>				
<b>Item</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Disc Price</b>	<b>Total Price</b>
Q10 Loudspeaker	1	4,800.00	4,080.00	4,080.00
E0 Loudspeaker	12	710.00	603.50	7,242.00
E6 Loudspeaker	4	1,560.00	1,326.00	5,304.00
B4 Subwoofer	1	3,355.00	2,851.75	2,851.75
D12 Amplifier	1	5,650.00	4,802.50	4,802.50
D6 Amplifier	3	3,470.00	3,470.00	8,848.00
Q Flying Bracket	1	207.00	175.00	175.00
TV spigot with fixing play	1	48.00	40.80	40.80
Pipe clamp for TV spigot	1	220.00	187.00	187.00
E6 Flying Bracket	4	91.00	77.35	309.00
TV spigot Z5040	4	33.00	28.05	112.20
Pipe clamp for TV spigot	4	220.00	187.00	748.00
E0 Super clamp	6	61.00	51.85	311.10
M10 adapter for E0 super clamp	6	16.00	13.60	81.60
<b>Total</b>				<b>35,092.95</b>

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<b>Phase One Quote (if total is from above is not available)</b>				
<b>Item</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Disc Price</b>	<b>Total Price</b>
Q10 Loudspeaker	1	4,800.00	4,080.00	4,080.00
E0 Loudspeaker	6	710.00	603.50	3,621.00
D12 Amplifier	1	5,650.00	4,802.50	4,802.50
D6 Amplifier	1	3,470.00	3,470.00	3,470.00
Q Flying Bracket	1	207.00	175.00	175.00
E0 Super clamp	6	61.00	51.85	311.10
M10 adapter for E0 super clamp	6	16.00	13.60	81.60
<b>Total</b>				<b>16,541.2</b>

## Mixing Console

The mixing console we currently use in the Paul Green is one of the early digital console and was designed primarily for recording studio applications. While it currently meets our needs, a modern digital console, designed for theatrical use would benefit Playmakers. Depending on the type of console bought the cost will vary greatly, I've included a couple options below.

<b>Item</b>	<b>Total Price</b>
Yamaha LS9-32	12,000
Yamaha M7CL-48ES	22,000
SoundCraft Vi1	23,000

## Playback Systems

Overall the computer playback systems we currently use work fine, however they are running on older computers and as software is updated to run on newer systems, eventually we will not be able to run the new software with new features and bug fixes. Also, as more computers come into theater, having backup systems becomes important, so if one computer crashes during the show,

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the other one takes over. In addition, it would be useful to have parity in the systems used in the rehearsal hall and the theaters so that if desired, sound can be integrated into the show during rehearsal and be transferred with minor changes to the theaters. These are not an immediate issues, but something to keep on a long term purchasing plan.

<b>Item</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Total Price</b>
Apple Mac Pro, Paul Green Primary	1	2,500.00	2,500.00
Apple Mac Mini, Paul Green Backup	1	700.00	700.00
Apple Mac Mini, Kenan Primary	1	700.00	700.00
Apple Mac Mini, Kenan Backup	1	700.00	700.00
Apple Mac Mini, Rehearsal Computer	1	700.00	700.00
17" Widescreen Monitor	3	200.00	600.00
USB Keyboards	3	20.00	60.00
USB Mice	3	20.00	60.00
MOTU 24 I/O, Paul Green Sound Card	1	1,200.00	1,200.00
Echo AudioFire 8, Kenan Sound Card	1	500.00	500.00
QLab Pro Bundle	2	450.00	900.00
<b>Total</b>			<b>8,620</b>