

Student Technology Fee

Grant Proposal

2011, 010

2010-11

Tracy Brown



Comment: none

Alan Henry

Comment: \_\_\_\_\_

Gary Gatch

Comment: \_\_\_\_\_

Mike McDonald

Comment: \_\_\_\_\_

Dale Martin

Comment: \_\_\_\_\_

G.# 2 2011.010  
FF

Student Technology Fee  
Grant Proposal Request Form  
Fiscal Year 2010-11  
Northwestern State University of Louisiana

**ALL BLANKS MUST BE FILLED COMPLETELY**

Prepared by: Scott Burrell For: Priority 1  
Department/Unit: CAPA/Theatre College: College of Arts/Letters  
Campus: NSU Main Campus

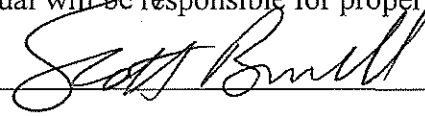
Which NSTEP Goals/Objectives does this project meet? 1, 2, 3, 5, 6, and 8.

Requested equipment will be located/installed/housed? Building 025 Room 100

Does the department requesting funding receive lab fees? (circle one) YES/ NO

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment? Ben Wheeler

Signature:  Date: 10/28/10

Proposal Requested Amount: \$ 10,521.30 Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date 10/29/10

1. Describe target audience.

*The requested technology will be used by NSU Theatre/Dance students, staff and faculty. The technology will allow the Theatre/Dance program to provide quality productions to both the NSU and Natchitoches communities.*

*It should also be noted the technology will greatly enhance the events of non-theatre/dance groups who use the space ("Lady of the Bracelet", Student Activities, FBLA, LSMSA, Greek events, Recruiting, etc.). Therefore, this enhancement should be seen as serving the entire campus rather than just the Theatre/Dance program.*

2. Describe project/initiative for which you are requesting funds.

*The project is to replace outdated and broken/in disrepair wireless headset technology currently in use by the Theatre and Dance Program. Wireless headset technology is a necessity in the communication which occurs between stage managers, stage crews, front of house, etc. during the run of a production. It allows the user to move around unhindered by a wired system, allowing for safety and convenience. It will also provide the power, flexibility and audio quality of a wired system.*

*The new wireless headset system will provide users with current theatre technology as found in most professional theatre houses. This new technology will allow the*



*Theatre/Dance program to have a headset system with more reliability, greater communication range, less interference with outside radio transmission and better sound clarity.*

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- 1. Improve the Theatre/Dance Program's curriculum and improve the technology available for student learning and research work.*
- 2. Improve Theatre/Dance student's educational experience and skill in order for them to compete in the modern Graduate School and professional workplace environment.*
- 3. Increase student retainment and recruitment in the program by providing students with opportunities to work with current technological trends.*
- 4. Improve the quality of theatre and dance productions presented to the NSU and Natchitoches communities.*

4. Indicate how each project objective will be evaluated.

- 1. The requested technology will provide students a practical learning experience when they are working on theatre/dance productions. Theatre/Dance students are required to take THEA2030 (Applied Theatre) in which all theatre/dance students are graded for their practical theatre/dance production activities (acting in roles, working backstage, box office, etc.). Students will be given faculty/classroom evaluations at the end of the semester in which they can comment on the effectiveness of the new technology.*

*The Program will also receive feedback from the general student body and general population that attend theatre/dance productions.*

- 2. See #1 above.*

*A number of Theatre/Dance students will seek employment/internships in a number of professional theatres during the summer. The experience they gain in the use of the requested technology will allow them to be better qualified for these opportunities.*

*The use of the requested technology will allow for the successful placement of students in graduate programs and professional theaters upon matriculation.*

- 3. See #2 above.*

*The Wireless Headsets will be used in a number of events where prospective students will have the opportunity to evaluate the Theatre/Dance program's technology. One recruitment event of note is the program's hosting of the Louisiana Thespian's Conference where over 500 high school theatre students and their teachers visit the*

*program. Successful recruitment of some of these students can be considered an evaluative tool.*

*Current students using the technology will help the program's recruitment drive by communicating positively with their former high schools and friends.*

- 4. The addition of the requested technology will allow for better productions presented by the NSU Theatre/Dance program which serves the NSU and Natchitoches communities. Other groups, who will use the theatre spaces, will also benefit from the use of the technology in the presentation of their events. Increased attendance of events/productions, as well as fewer complications with headset communication, will prove the success of the implementation of new technology.*

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

- 1. To improve access to technology by students, faculty, and staff at Northwestern State University. NSU Theatre/Dance Students will be the primary users of the requested technology. However, the technology will greatly enhance the events of non-theatre/dance groups who use the space ("Lady of the Bracelet", Student Activities, FBLA, LSMSA, Greek events, Recruiting, etc.). The technology will allow for better quality productions/events to all NSU Audiences.*
- 2. To provide classrooms with updated technology and multimedia. Theatre/Dance students' learning is not confined to the prototypical classroom setting found in other programs. Students' practical work on productions is as important to the learning process as traditional classroom education. It is vital that the theatre spaces offer current technology in order to provide a proper/practical learning environment.*
- 3. To upgrade laboratories with modern technology. See #2 above. The theatre spaces can be seen as both classroom and laboratory.*
- 5. To upgrade and maintain the campus communication network and infrastructure. The wireless headset system will greatly enhance the communication network within the theatre spaces. The headsets will also be less likely to interfere with other radio communication devices used on campus.*
- 6. To provide a system for maintenance, upgrade, user training, and support of technology that will extend into the future. Students, Faculty and Staff will be trained to use the new equipment, perform routine maintenance and ensure safe/secure use.*
- 8. To encourage innovation and research. The use of new wireless headset technology will allow Theatre/Dance Students, Faculty and Staff greater versatility in their creative processes. The technology will allow users to move more freely throughout the space and with greater range. There could be the possibility of using the technology outdoors or in other experimental spaces/venues.*

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

*The addition of the technology will positively impact the program, the University and the audiences who attend productions and events. The scope of the number of students that will benefit from the use of the technology is quite large considering the number of students who attend productions and events in the theatre spaces throughout the academic year. A rough estimate would be 1000 students per the ten to twelve productions, totaling 10,000 – 12,000 per student audience members per year.*

*The theatre/dance students will be the primary users of the technology. Considering that the Program produces ten to twelve productions per year with an average of 16 users per production, the total of theatre/dance users would be 160 – 192 students.*

- 1. Provide students, faculty and staff the technology essential to creating a positive learning environment.*
- 2. Teaching the student body to use modern technology in existing and experimental ways allowing them to be more marketable in their professional and artistic careers.*
- 3. Improve the Program's and University's retainment and recruitment of quality students.*
- 4. Improving the quality of productions and events as seen by the NSU and Natchitoches communities.*

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

*Ben Wheeler, Assistant Professor of Theatre, Lighting and Sound Designer, Facilities Manager*

*Phil Kidd, Assistant Professor of Theatre, Technical Director, Scene Designer*

*Nick Frederick, Adjunct Professor of Theatre, Sound Designer, Shop Foreman*

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

*Not applicable.*

9. Provide a schedule for implementation and evaluation.

*The instillation/implementation of the technology is straightforward and will not require any outside assistance.*

*January 2011 – Order technology upon the approval of the grant and the allocation of budget.*

February 2011 – Receive, install, and configure technology. It is hoped the technology will be ready for use during the first theatre production of the 2011 Spring semester. It will be during this production that the technology will be evaluated.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

*It is expected the technology to last beyond five years without repair or upgrades. There may be a need to replace the rechargeable batteries as the units depending upon the amount of use.*

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.

*Equipment will be stored in the Theatre's locked Sound Studio when not in use. Designated Theatre/Dance Faculty will have access to the Sound Studio where the technology will be kept. Faculty/Staff or designated Student Supervisors will ensure the security of the technology during the run of a production/event. Equipment will not leave the designated Theatre spaces.*

12. Does the department that is requesting equipment receive lab fees? If so, please provide a justification for requesting funds from tech fee funds over using lab fees from your department.

*The Theatre/Dance program does receive student fees. However, these fees are not sufficient to purchase at one time the wireless headset technology. The program would have to "piecemeal" the system if lab fees were used.*

13. Attach a detailed budget.

<u>Quantity</u>	<u>Item</u>	<u>Description</u>	<u>Cost</u>	<u>Subtotal</u>	
1	DX200-CZ11432	Wireless Intercom	6932.63	6932.63	7282
4	BP200-CZ11434	Headset	796.81	3187.24	
1	CZ11378	Battery Charger	521.31	521.31	
			<b>Total</b>	<b>10,521.30</b>	

DX200-CZ11432

*Base Station with Headset, antenna, power supply  
4 Beltpacks with Headset, batteries, pouch, battery charger*

BP200-CZ11434

*Beltpack with Headset, batteries, pouch*

CZ11378

*4 Port Battery Charger w/ adapterS*



**NORTHWESTERN STATE  
University of Louisiana**

Natchitoches, LA 71497

**Mrs. H. D. Dear, Sr. and Alice E. Dear  
School of Creative and Performing Arts**

Music	(318) 357-4522
Art	(318) 357-5744
Theatre	(318) 357-4483
FAX	(318) 357-5906

October 28, 2010

To Whom It May Concern:

Please consider this a letter of support for the Student Technology Fee Grant Proposal from Mr. Scott Burrell.

The purpose of this grant is to replace the outdated and broken communication system currently utilized by the "behind the scenes" theatre technicians. If funded, this will increase the ability of our theatre program to host quality productions and events such as the Christmas GALA and the "Lady of the Bracelet". Further, it will enhance the educational opportunities for our students in that they will be using equipment similar to what they will use in the professional world once they graduate.

It is will pleasure that I support this application and I hope you will give it every consideration.

Sincerely,

Bill Brent  
Director, School of Creative and Performing Arts



College of Arts, Letters, Graduate Studies and Research

Telephone (318) 357-4330  
FAX (318) 357-4255

Office of the Dean

Northwestern State University  
Natchitoches, Louisiana 71497

A Member of the University  
of Louisiana System

The Graduate School  
(318) 357-5851

Louisiana  
Scholars' College  
(318) 357-4577

School of Creative  
and Performing Arts  
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Department of  
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History and  
Social Sciences  
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Department of  
Social Work  
(318) 357-5493

Department of  
Language and  
Communication  
(318) 357-6272

Department of  
Psychology  
(318) 357-6594

October 28, 2010 0

To Whom It May Concern:

Please accept my support to the Theatre and Dance Program's request for technology in their application for a Student Technology Fee Grant. With the addition of a new wireless headset system, the Theatre/Dance program will continue to provide quality productions to both the NSU and Natchitoches communities. The addition of this technology will also serve those groups who use the Theatre facilities for their events.

The requested technology will provide students a practical learning experience when they are working on theatre/dance productions. The experience gained will allow NSU Theatre/Dance students to be more qualified for the professional theatre world or post graduate work.

As the University becomes more focused on recruiting and retaining quality students, the addition of this new technology will showcase the Theatre/Dance Program and University as a premiere learning institution.

Should you have any further questions, feel free to call me at 318.357.4330.

Sincerely,

A handwritten signature in cursive script that reads "Steven G. Horton".

Steven G. Horton, Vice-Provost and  
Dean, College of Arts,, Letters, Graduate Studies & Research



\*\*\*\*\* QUOTE \*\*\*\*\*

From: Full Compass Systems, LTD  
 9770 Silicon Prairie Pkwy  
 Madison WI 53593-8442  
 608-831-7330  
 Fax # 608-831-6330

QUOTE #: 738964  
 Print Date: 10/28/2010 11:08:26  
 Quote Date: 10/28/2010  
 Operator: damon

Bill: Customer # 71810  
 COMPTROLLERS OFFICE  
 PO BOX 5655  
 NATCHITOCHE LA 71497  
 318-357-5716

Ship To: Cus/Adr # 71810 01  
 NORTHWESTERN STATE UNV/LA  
 CENTRAL RECEIVING  
 998 SOUTH JEFFERSON  
 NATCHITOCHE LA  
 71497

Order By N FREDERICK	SlsPsn damon	Ship Via UPS GRND RESID.	Freight NO CHRG	Ty O	Login damon
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Item	Quantity Ordered	Unit Price	Extended Price	
DX200-CZ11432 Wireless Intercom,w/HS15	1.	6812.750	6812.750	7281
BP200-HS15-CZ11434 BP200 Beltpac w/HS15 Headset	4.	796.810	3187.240	7282
CZ11378 Battery Charger,AC40A	1.	521.310	521.310	7282

5-27553

Subtotal	10521.30
Shipping	0.00
Insurance	0.00
* Taxable Amt	10521.30
* Tax NTX NO TAX	0.00% Tax 0.00
* Total	10521.30

Fein 39-1279698

## HME (HM Electronics) DX200-CZ11432 DX200 System w/ HS15 Headsets

**HME**

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**Call for price! Not available online.**

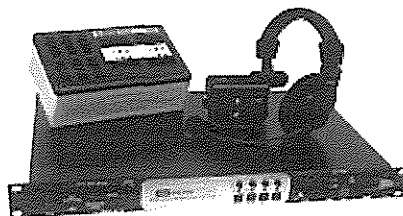
List Price: \$8341

Usually ships in 1-2 business days

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- [Accessories](#)

## HME (HM Electronics) DX200-CZ11432

The easy-to-use **DX200 System** comes complete with synthesized voice prompts, rechargeable batteries, battery charger and rugged, lightweight COMMUNICATOR™s for reliable and cost-effective operation. Digital encryption and frequency-hopping technologies protects against unauthorized users.

- Base Station w/2 antennas
- 115/230 VAC power supply
- 115VAC powercord
- 4 BP200 Beltpacs each with 2 batteries and pouch
- 5 HS15 Single Muff Noise Canceling Headsets
- AC40A Battery Charger

### Specifications

- RF Frequency Range: All band 2400 - 2483.5MHz; Low Band 2401.9 - 2439.9MHz; High Band 2443.4 - 2481.4MHz
- Frequency Response: 200Hz - 3.5kHz

- Distortion: <2%
- RF Sensitivity: <-90dBm with 10<sup>-3</sup> BER
- Temperature Range: -4 to 131°F (-20 to 55°C) Typ.
- Transmit/Receive Type: Frequency Hopping Spread Spectrum (FHSS)
- Gaussian Filtered FSK, TDMA
- 64-bit

## HME (HM Electronics) BP200-HS15-CZ11434 BP200 Beltpac w/HS15 Headset

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Quantity: 1 **BUY NOW**

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## HME (HM Electronics) BP200-HS15-CZ11434

**Communicator for DX100, DX121, and DX200**

**BP200 Beltpac:** Beltpac with 2 batteries, pouch, HS15 Single Muff Noise Cancelling Headset

### **BP200 Beltpac Specifications**

- **Battery Requirements:** One Lithium-Ion Rechargeable
- **Battery Life:** Latched (Hands-Free), Up to 14 Hours; PTT: Up to 20 Hours
- **Size:** 3.4" x 2.6" x 1.5" (8.64cm x 6.60cm x 3.81cm)
- **Weight:** 7.4 oz (0.21 kg) with Battery & Pouch

- Headset Connector: Mini-DIN
- Mic Input: Electret
- Headset Output: 160 mW @ into 32 $\Omega$ ; Capable of Driving 16-32 $\Omega$
- Controls: Volume On/Off, Volume Up/Down, Talk Intercom, Talk ISO
- Indicators: Power/Transmit/Low Battery LED & Voice Prompts
- Carrying Pouch: Santoprene Rubber

## HME (HM Electronics) CZ11378 (Battery charger) Battery Charger,AC40A



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Our Price: \$627.00  
Usually ships in 3-4 weeks  
*Need it sooner? Call us!*

Quantity: 1

This item is eligible for FREE Shipping!  
Special order item

Low Price Guarantee

- Description

## HME (HM Electronics) CZ11378 (Battery charger)

**Battery charger:** 4-port quick charger with adapter, 115/230 VAC