

✓ 2006.0035  
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Student Technology Fee  
Funding Request Form  
Surplus Money Fiscal Year 2005-06  
Northwestern State University of Louisiana

Prepared by: Alan Sybert

For: Ken Green

College: Liberal Arts

Campus: Natchitoches

Department: CAPA

Where will requested equipment be located/installed/housed: Bldg. 25 Room 114

Are property policies and procedures in place by the department for equipment requested. Yes

Delivery to the Student Technology office located in Watson Library, Room 113. Date \_\_\_\_\_

1. Describe target audience.

All Music Majors. Percussion major and minor students. Percussion Ensembles, Jazz Bands, Pep Band, Marching Band.

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

To purchase a state of the art electronic percussion trap set and hand percussion sets along with the accessories required too operate these sets. As well as a state of the art tuning system for our tympani drums. These devices create thousands of sounds that would otherwise require tens of thousands of dollars worth of equipment to produce.

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

This project will provide a new level of technology to our program. The project will affect numerous ensembles and allow students to perform in front of audiences with the best equipment available on the market today. The project's impact will be apparent in the quality of music achieved at these performances and in the setup and take down time for the performer.

4. Indicate how each project objective will be evaluated.

Performances are open to students, faculty, staff and the community. All performances in Magale Recital Hall are recorded and often used as audition materials for Graduate Schools or jobs. The quality of these performances will be the evaluation for the impact of this project. The project also allows the performer to setup and tear down in about a quarter the time it takes to setup a traditional trap set. This allows the performer to move equipment from room to room which is often required since consecutive rehearsals are frequently in different rooms. It will also allow a single student to set up and create thousands of sounds that now require multiple students performing on multiple instruments to create.

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

This project will directly affect the percussion studio which currently has about 40 students in it. These are the students who will actually be using the equipment on a daily basis. It will also benefit the numerous ensembles mentioned above the membership in these ensembles represent over 600 students. Thousands more would be more indirectly affected by this project through attending performances in which this equipment will be used.

6. How will funding of the project advance the University and College / unit technology plan?

This project will provide students with state of the art equipment used in their professional field. It will also provide University students with technological equipment that will support a learning environment.

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.

Ken Green Associate Director of Bands and Percussion Studio Faculty will be in charge of this project. He currently operates and maintains all percussion equipment owned by NSU.

Masahito Kuroda member of the Music Faculty will be the music technology expert consulted with any technology questions.

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

Once the equipment is purchased and installed in the percussion studio, Mr. Green will be in charge of training student on the use of the equipment. No other support will be required for this project.

9. Provide a schedule for implementation and evaluation.

Funding approval in April

State Bid process follows

Once a vendor has been selected the equipment will be ordered.

Delivery of equipment occurs over the summer break.

Equipment will be available at the beginning of summer band.

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

The hardware should last for at least 15-20 years. Software upgrades will be made available frequently and will integrate easily with this system. This will allow us to easily upgrade our current equipment, adding new sounds and effects, without purchasing new hardware.

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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 Tech Fee grant.

The equipment will be stored in the percussion studio which is locked at all times. This equipment is not small and should not be something that might “walk off”. CAPA is currently researching additional security measures such as a key swipe door system that would be separate from the one card system. Beyond this, this equipment will be monitored on a daily basis as it will be used very frequently.

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|--|
| 12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment). |
| 13. Attach a letter of support for the project signed by the requesting unit’s Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).  |

TD-20S: V-Pro Series	\$5,200.00
SPD-20: Total Percussion Pad	\$600.00
HandSonic 15: HPD-15 Hand Percussion Pad	\$800.00
SPD-S: Sampling Pad	\$495.00
TDA-700: V-Drums Amp.	\$800.00
TDM-20: V-Drums Mat	\$200.00
PDS-10: Pad Stand (@ \$125 x3)	\$375.00
CB HPD-10: Gig Bag (@\$90 x3)	\$270.00
DW 9002: Bass Pedals	\$500.00
DW 9300: Snare Stand	\$115.00
DW9500: Hi-Hat Stand	\$250.00
Roc-N-Soc: Nitro Throne	\$300.00

# TD-20S-BK: V-Pro Series (black finish)

## Features

### A New Chapter In V-Drums History.

With the V-Pro™ Series TD-20S, Roland improves upon the industry-standard V-Drums® by starting from the ground up. At the heart of this flagship set is the TD-20 module with new sounds and functions, superb expressiveness and in-depth V-Editing. The patented mesh pads now feature great dynamic range and natural rim shot triggering, along with a new look and stunning black finish. The TD-20S also features Roland's amazing new V-Hi-Hat™ and a new drum stand designed to hide the cabling. With this powerful new combination of pads and hardware, the V-Pro Series TD-20S lets drummers express themselves more naturally and with more realism than ever before!

### The V-Pro Series includes the following components:

- (1) TD-20 Percussion Sound Module
- (3) PD-125BK 12" dual trigger V-Pad
- (2) PD-105BK 11" dual trigger V-Pad
- (1) VH-12 V-Hi-Hat with two cymbals
- (2) CY-14C 14" V-Cymbal Crash
- (1) CY-15R 15" V-Cymbal Ride
- (1) KD-120BK V-Kick Trigger Pad
- (1) MDS-20BK Drum Stand

Flagship V-Drums kit with new TD-20 sound module, improved mesh-head V-Pads™, highly acclaimed V-Cymbals™ and innovative new V-Hi-Hat for complete playability

\*TD-20 Percussion Sound Module with over 500 new sounds, improved dynamics and sensitivity, plus CompactFlash storage and V-LINK\*

\*15 dual-trigger inputs, 10 audio outputs and digital output, 8 group faders and built-in sequencer, Mastering Room and more

\*All-new V-Editing includes modeled snare buzz, kick beater selection, and greater cymbal customizing (i.e. size, "sizzle," mic positions)

\*New PD-125 (12") and PD-105 (10") dual-trigger V-Pads feature better dynamic response, more even and accurate head/rim triggering and rim shot capability on toms

\*New VH-12 V-Hi-Hat with two cymbals for full motion capability and natural feel

\*Ergonomically designed MDS-20 V-Drums Stand (also sold separately) with more durable hardware, sleek raked design, easier vertical adjustment and 16 cables (included) hidden neatly inside the tubing

\*Expansion slot for future upgrades and enhancements

*\*V-LINK requires optional Edirol DV-7PR with software version 1.50 or higher.  
Kick drum pedal, snare stand, and hi-hat stand not included.*

## Drum Workshop, hardware to complete the drum kit.

**DW 9002: Double Bass Drum Pedals with case:** Patented features like the free-floating rotor-drive system, rotating swivel spring and infinitely adjustable cam, are aligned to create a more direct transfer of energy that optimizes the stroke for more power and precision. The Infinite Adjustable Cam allows the pedal to be easily set from Accelerator to Turbo Drive or anywhere in-between. The 9002 Double Pedal includes a Molded Carrying Case.

**DW 9300: Standard Snare Drum Stand:** The 9300 Series Snare Stand is the only stand designed with double pedal setups in mind. The offset basket allows you to comfortably position the tripod legs and then fine-tune your snare drum position both vertically and horizontally.

**DW 9500: Hi-Hat Stand:** The DW 9500 Two-Leg Hi-Hat utilizes a patented Double Eccentric Cam that increases the sensitivity of the footboard in relation to cymbal movement, resulting in a unique, incredibly fast and responsive feel. The Infinitely Adjustable Locking Spring Tension feature allows for precise adjustment to offset the weight of the top cymbal, creating a customized feel. (Infinite Adjusting Spring Tension)

**Roc n Soc: Nitro Throne & Back Rest:** Black cloth seat panel throne, original shape, with back rest and nitrogen gas shock absorber.

Quantity	Item	Unit Price	Total Price
✓ (1)	TD-20K-BK: V-Pro Series (black)	\$5,595.99	\$5,595.99 ✓
✓ (1)	TDA-700: V-Drums® Amplifier	\$ 895.00	\$ 895.00 ✓
✓ (1)	HandSonic 15: HPD-15 Hand Percussion Pad	\$ 995.00	\$ 995.00 ✓
✓ (1)	SPD-20: Total Percussion Pad	\$ 670.00	\$ 670.00 ✓
✓ (1)	SPDS: Sampling Pad	\$ 495.00	\$ 495.00 ✓
✓ (1)	TDM-20/-10: V-Drums Mat	\$	\$ 100.00 ✓
✓ (3)	PDS-10: Pad Stand	\$ 125.00	\$ 375.00 ✓
✓ (3)	CB-HPD-10: Gig Bag for HPD/SPD Series	\$	\$ 100.00 ✓
✓ (1)	DW 9002: Double Bass Drum Pedal	\$	\$ 100.00 ✓
✓ (1)	DW 9300: Standard Snare Drum Stand	\$	\$ 100.00 ✓
✓ (1)	DW 9500: Hi-Hat Stand	\$	\$ 100.00 ✓
✓ (1)	Roc n Soc Nitro Drum Throne with back rest	\$	\$ 200.00 ✓
		Total	\$ 10,805.00

Roland

## SPD-20: Total Percussion Pad

### Features

The SPD-20 Total Percussion Pad is Roland's flagship electronic percussion multi-pad, with a very intuitive interface and 700 high-quality percussion, drum and instrument sounds. This multi-pad is perfect for acoustic drummers looking to add electronic sounds to their sets, electronic drummers looking to expand further, and MIDI studio musicians who want to program rhythm parts more naturally.

- \*Compact electronic percussion multi-pad/sound module with 8 velocity-sensitive rubber pads
- \*700 high-quality drum and percussion sounds and various sound effects configurable into 99 patch locations
- \*Broad selection of ethnic/world percussion instruments
- \*Built-in multi-effects including Reverb, Delay, Chorus, Flanger
- \*Four dual-trigger inputs for triggering SPD-20 sounds from external pads and other triggering devices
- \*Can be connected directly to acoustic drum triggers via four drum trigger inputs
- \*MIDI In, Out/Thru for sequencing and other applications

## SPD-S: Sampling Pad

### Features

The SPD-S Sampling Pad is an affordable and easy way to add sampling to any percussion setup. A great alternative to acoustic triggers and a rack sampler, the SPD-S lets you record CD-quality samples and play them back instantly using six pads and three edge triggers. Naturally, the SPD-S also includes preset sounds and effects so you can start playing immediately.

### Features

- \*Compact percussion multi-pad with CD-quality sampling
- \*Play any 8 sounds simultaneously via 6 pads and 3 edge triggers
- \*Up to 380 seconds of 44.1kHz user sampling (95 seconds in Fine mode)
- \*181 pre-loaded waveforms and 399 User waveform locations
- \*Re-sampling function and onboard pattern sequencer
- \*30 multi-effects and ambience add dimension to sounds
- \*Wave memory expandable via optional Compact Flash cards
- \*Mounts easily to conventional drum stands and hardware Includes sampling CD

## HandSonic 15: HPD-15 Hand Percussion Pad

### Features

The HPD-15 HandSonic™ is an electronic hand percussion multi-pad with triggering capabilities derived from breakthrough V-Drums® technology. Divided into 15 parts, the HPD-15 allows hand percussionists to play up to 600 realistic acoustic and electronic percussion sounds--15 simultaneously--with all the sensitivity that the Roland V-Drums® are famous for.

- \*Electronic hand percussion pad with triggering based on V-Drums technology
- \*10-inch rubber pad with 15 parts for triggering up to 15 sounds simultaneously
- \*Built-in pressure sensor allows for realistic muting and pitch control of sounds
- \*Main pad supports Positional Sensing for realistic timbre changes depending on area of pad hit
- \*Built-in sequencer with 300 percussion and drum sounds from around the world
- \*Onboard effects include reverb and multi-effects processors
- \*Realtime control via D-Beam Controller, dual ribbon controllers, three control knobs
- \*MIDI In/Out plus dual-trigger input and hi-hat control jack

## TDA-700: V-Drums® Amplifier

### Features

With their incredible sounds, expandability, and new set configurations, the V-Drums® are easily the most popular electronic drum systems in the world. Now, with the new TDA-700, the V-Drums gain the perfect amplification system with a 300-watt, bi-amp design, versatile input and output capabilities and a sound quality that's second to none.

- \*High-powered V-Drums amplifier with 300-watt bi-amp design and superb sound
- \*240-watt powered 15" woofer and 60-watt powered horn driver
- \*Onboard FFP™ technology maximizes amp efficiency thanks to digital control
- \*Dedicated V-Drums input with V-Drums Shape switch
- \*Versatile 3-channel design allows flexible routing and use of multiple input sources
- \*Output Select function permits routing of select signals to headphones, headphone + speaker or headphone + speaker + Line output
- \*Stereo Link capability allows for stereo TDA-700 setup with control from a single amp
- \*XLR Line outputs for professional stage and studio connections



## **TDM-20: V-Drums Mat (large size)**

### **Features**

Prevent your drum components from slipping while simultaneously safeguarding your floor from scratches and reducing impact noise/vibration. Roland's TDM-20 heavy-duty drum mat is adorned with the Roland V-Drums® logo.

- \*3-layer structure with nylon filament, felt, and soft urethane resin for noise reduction and shock absorption
- \*Excellent match w/ Velcro tape to hold the kick-trigger pad or kick pedal on the mat
- \*Non-flammable materials

## **PDS-10: Pad Stand**

**Solid Percussion-Controller Support**

**We need two (3). One ea. for HPD-15, SPD-20, SPD-S.**

### **Features**

Along with the debut of the Roland HandSonic 10 comes a new double-braced support stand: the PDS-10. It's the successor to the PDS-15, and features a newly improved angle clamp that provides 200 degrees of tilt. The stand is designed to be used with Roland's HPD- and SPD-series instruments, which include the HandSonic 10, HandSonic 15, SPD-20, and SPD-S.

- \*New angle-adjustment clamp that offers 200 degrees of tilt
- \*Double-braced tripod, 2-section pipe with height adjustment that enables standing or sitting positions
- \*More affordable than previous model

## **CB-HPD-10: Gig Bag for HPD/SPD Series**

**We need two (3). One ea. for HPD-15, SPD-20, SPD-S.**

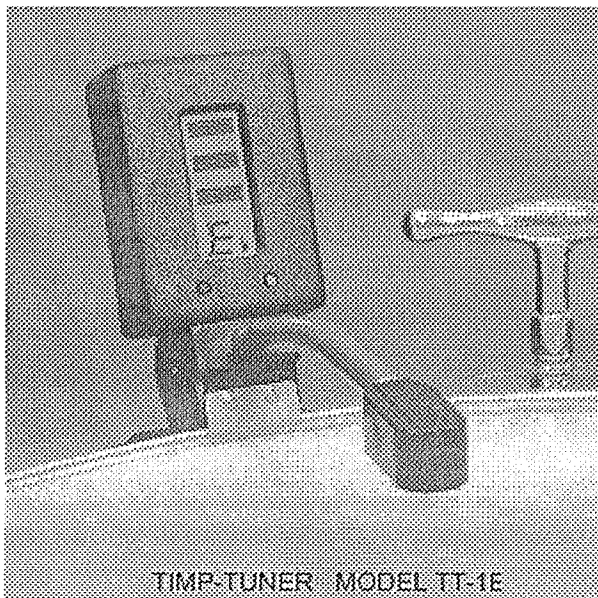
### **Features**

The CB-HPD-10 gig bag can conveniently house a Roland HandSonic® or SPD-series instrument along with its mounting plate, plus a pad stand (e.g., PDS-10), AC adapter, and headphones.

- \*Gig bag designed for Roland's HPD/SPD series
- \*Lightweight-yet-durable polyester material
- \*Shoulder strap and handle belt
- \*Special pockets to hold CF cards (inside) and text books (outside)



# TIMP-TUNER™



## PRICE - Timp-Tuner™ Model TT-1E

<u>QUANTITY</u>	<u>PRICE (US Dollars)</u>
1	\$ 199.00
2	@ \$ 195.00 ea.
3	@ \$ 190.00 ea.
4	@ \$ 185.00 ea.
5 or more	@ \$ 180.00 ea.

Plus shipping (and, for shipment to NY State, sales tax if applicable).

**Flat Rate Shipping Charges** USA \$10, Canada & Mexico \$15, other international \$20

## HOW TO ORDER

select one of the following options:

Buy Now Online   Purchase Order   Prepaid and COD

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Protune Corp., P.O. Box 1808, Poughkeepsie, NY 12601  
info@protune.com

## DESCRIPTION

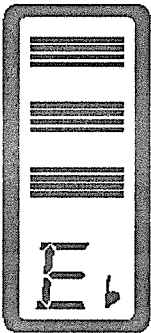
Timp-Tuner™ is fast, accurate, and it works even in a noisy environment with other instruments playing. It's pickup doesn't "hear" anything: it detects only the drumhead vibrations. The unique patented pickup on the new Model TT-1E provides high sensitivity, isolation from surrounding sound, and long working distance to the drumhead. It works like Radar, sensing only the head vibrations of the drum on which it is mounted. Each single-drum unit is entirely self-contained. No wires to tangle or trip over.

It's the best! Here's why. Timp-Tuner™ shows you what counts - the note that is actually sounding and whether it is on pitch - while mechanical gages only tell you where the pedal is. Some acoustic tuners may work on timps in a quiet room, but try using them while the band is playing! Only Timp-Tuner™ can do that. Use Timp-Tuner™ to set up your drums, and as an ear-training practice tool. You'll get the best out of your drums.

Use a full set (one per drum) for ear training and performance tuning. Or, just one unit for drum setup (installing and balancing heads, setting mechanical gage markers)

## HOW TIMP-TUNER™ IS USED

**TAPPING THE DRUM:** Repeated light tapping with a soft mallet gives the best results. This generally keeps the drum sounding with a strong fundamental, providing a continuous reading of the fundamental on the display.



**READING THE DISPLAY:** The liquid crystal display automatically shows the note that is sounding. Up or down motion of the strobe bars shows tuning error. The bars move up (sharp) or down (flat) at a rate proportional to tuning error. The slower the bar pattern moves, the closer the note is to being in tune. When the note sounded is in tune, the bar pattern is motionless.

When not displaying a note, all of the bars are displayed, and, periodically, a number is shown that indicates calibration setting.

## MOUNTING TO THE DRUM

Timp-Tuner™ attaches to the counter-hoop (outer tensioning ring) of the drum, placed diagonally across from the normal striking position. The mounting device adjusts to fit conventional hoops. Mounting is fast and easy, and does not require use of any tools. Drums of unusual configuration may require special adapters (example: drums that have cable or chain adjusters going from lug to lug across the top). An optional method of mounting the Timp-Tuner™ to a music stand shaft is available, and may be convenient if a single Timp-Tuner™ is to be moved frequently from one drum to another.

## TIMP-TUNER™ FEATURES

- Automatic, Full-Range Chromatic Tuner
- Unique pickup provides isolation from surrounding sound
- Quartz Crystal Accuracy. Compact Size
- Protune's Unique Easy-Reading Liquid Crystal Display
- Selectable Calibration Presets, A-436 through A-445
- Uses (3) AA-size Batteries (alkaline or rechargeable)
- Battery condition indication each time it is turned on
- Long Battery Running Time (over 60 hours on Alkalines)
- Display backlight, selectable for maximum battery life



**NORTHWESTERN STATE**  
UNIVERSITY OF LOUISIANA  
Natchitoches, LA 71497

College of Liberal Arts  
P. O. Box 5314

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

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March 22, 2006

To Whom It May Concern:

Since the 1940's, Northwestern State University of Louisiana has supported one of the best creative and performing arts programs in the American South. Immediately after World War II, NSU leadership focused on Arts as an area of excellent. In the early 90's, Northwestern chose our School of Creative and Performing Arts as an official Center of Excellence.

Thanks in large part to earlier Student Technology Grant funding, Mr. Brent and his faculty have acquired the necessary financial support to maintain state-wide leadership in technology. The grant money requested here provides the continued development of CAPA's leadership in technology.

For many reasons—a quality education for our students, recruitment, a tough job market, and community service—I support the grant request(s) submitted by NSU's School of Performing Arts.

Sincerely,

A handwritten signature in cursive script that reads "Donald W. Hatley".

Donald W. Hatley, Dean  
NSU, College of Liberal Arts



**NORTHWESTERN**  
**State University**  
A Member of the University of Louisiana System  
Natchitoches, Louisiana 71497

Mrs. H.D. Dear, Sr. and Alice E. Dear  
School of Creative and Performing Arts  
Art 318-357-4483  
Music 318-357-4522  
Theatre 318-357-5744  
FAX: 318-357-5906

March 22, 2006

TO: STAT Committee

FROM: Bill Brent

It is with pleasure that I support the Student Technology Grants that have been prepared and presented by Alan Syper.

GRANT I – pertaining to technology for the percussion studio

Northwestern is fortunate to have, without a doubt, one of the most talented percussion studios in this area of the United States. With more than forty students who participate actively in the studio, it is easily the largest of any private music studio at Northwestern. Each academic year, students from this studio present a variety of performances that vary from the marching field with the “Spirit of Northwestern” to the concert stage performing with concert bands, symphony orchestra, jazz orchestra and the percussion ensemble. It is terribly important that we provide equipment that will allow us to educate our students in the latest technological advances in percussion education. Otherwise, we will rapidly see a decline in the quality of the studio and the number of students participating. The equipment funded by this grant will allow us to do that for several years to come.

GRANT II – pertaining to superscope CD recorders

The equipment requested in this grant will allow us to better utilize equipment that has already been funded by a previous student technology grant. At the present time, to utilize the superscope recorders requires an excess amount of time for “set-up” and “break-down” and limits the number of programs that can be recorded. This grant will allow us to make the equipment available for more performances and for use by more students. It is a wise investment of additional funds in this area.

GRANT III – pertaining to disklavier pianos

Northwestern has one of the finest undergraduate piano programs in this area of the United States. While several new pianos have been purchased, we still do not have enough rehearsal pianos available for our students. Further, due to the reputation of our piano and vocal faculty, we anticipate this area to continue to grow in quantity and quality. These additional pianos will allow us to address this problem for many years to come.

The Student Technology Grant program has been a tremendous help to the School of Creative and Performing Arts and the faculty and students of the School are deeply appreciative for all of the support we have received in the past. If these additional grants are funded, the School assures the STAT Committee that it will continue to provide an outstanding education for all of our students and quality performances on the NSU campus and beyond.

Your consideration is appreciated.