

✓ PF 2006.0025

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

Prepared by: Alan Sybert

For: Michael Rorex and Nikita Fitenko

College: Liberal Arts

Campus: Natchitoches

Department: CAPA

Where will requested equipment be located/installed/housed:

Bldg. 25 multi rooms

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 and theater majors. This project will affect instrumental, vocal, piano, composition, and theater majors or minors.

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

To purchase new disklavier and midi piano technology. Also to purchase additional CD (software) that can be used in all the disklaviers on campus. This project would supply students with four new performance quality pianos. These pianos are concert quality acoustic pianos with a lot of added capabilities.

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

Students who use these pianos will have new opportunities to improve their performances.

Three of the pianos are primarily for practice opportunities and will allow students to always have an accompanist (or a full orchestra). The fourth piano will also be used in performances in Magale or other venues. This piano and the software would allow our ensembles or individual performers to play along side legends like Duke Ellington.

The most apparent objective will be to improve the quality of performances, and the performers themselves at NSU events.

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.

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 hundreds of student on our campus. Our piano performance studio, consist of many foreign exchange prodigy type students. It is equipment like this that will allow us to continue to recruit this caliber of student. This project will also put NSU at the front in the state for vocalist students. Currently no other state university offers this technology at the level we will be able to with this project.

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.

Michael Rorex will be in charge of all of the recording aspects and vocal side of the project.
Nikita Fitenko will be in charge of all piano major aspects.

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

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 the fall semester.

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

The pianos themselves will likely last 50 years or so. The software and technology will be adequate for 15+ years. The equipment also allows for easy upgrades and uses multiple media sources including USB devices.

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 in rooms that are either under FOB lock or in rooms that have key checkout policies. These are also items that way hundreds of pounds and in most cases will not fit out the door of the room they are in with out extensive disassembly.

- | |
|--|
| 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). |



YAMAHA CORPORATION OF AMERICA

DC6M4t

**Mark IV Series Full-Function
Grand Pianos**

40,000.00

[Enlarge Picture](#)

Built to Perform

The Ultimate in Personal Music Entertainment

Ever since the original Yamaha Disklavier introduced the marvels of hybrid acoustic/digital pianos back in 1986, these computer-age player pianos have evolved into instruments that can reproduce live acoustic piano concerts and ensemble music with instrumental backings and vocal tracks. The Disklavier Mark IV takes this all a step further. Yamaha's unique combination of both acoustic and digital superiority has made it the obvious choice of music-lovers, pianists, and educators worldwide. Its easy-to-operate user functions make the Disklavier a breeze to customize and automate, always giving you the right music at the right time. Combining the tone and touch of world-class Yamaha grand pianos with an astonishing range of interactive capabilities, the Mark IV is the ultimate piano for home entertainment systems, business establishments, or educational and creative environments.

An Easy-to-Use, Yet Advanced Music Entertainment System

Pocket Remote Control (PRC-100)

The sleek, compact design of the PRC-100 literally packs all of the Disklavier Mark IV's features and functions into a single hand-held device. Its intuitive full-color touch screen (320 x 240 pixels) is as easy to read as it is to use. You can browse your entire library with the handy stylus, or create custom playlists using the built-in QWERTY keypad.

Tablet Remote Control (TRC-100)

The TRC-100's synergy of elegance, style, and technology makes operating the Disklavier Mark IV an experience like no other. The 10.4-inch liquid crystal display provides several animated visual environments to access your favorite features, either with a tap of the stylus or a touch of a finger. Using the TRC-100, you can view karaoke lyrics, select background visuals, browse your song library, and even run a slide show of your own digital pictures!

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Music So Inspiring You'll Want to Sing Along

Just connect a microphone to the Disklavier Mark IV piano and sing along through its built-in speakers. To fine-tune your experience, the Mark IV offers performance-enhancing vocal effects including room, stage, hall, and reverb. You can choose to display song lyrics externally on any TV monitor or on internally via the Tablet Remote Control. To browse the vast library of song disks available, visit www.yamahamusicsoft.com.

A Built-In Amplified Speaker System Only Possible From Yamaha

The Disklavier Mark IV performs as a stand-alone unit or as part of the ultimate home audio/video system. With genuine Yamaha speakers, each powered monitor is discretely mounted at an outward angle sending music away from the piano for a more spacious overall sound. For larger audio systems and installations, flexible output routings are provided to send music to any part of the house your system allows. Outputs assigned to areas far from the Disklavier can have a digital piano sound inserted into the audio stream, while keeping a background only mix sounding in areas near the acoustic piano.

Low-Profile Hardware Provides the Gateway for All of Your Music Software

Using the Media Center, software can be played directly from the built-in floppy disk and CD drives, and removable USB storage devices*, or loaded to internal memory for easy access. Convenient connections include headphone outputs, microphone input, and USB ports. The retractable glossy, black cover conceals the Media Center and matches the finish of the piano's cabinetry.

* Certain USB storage devices may not function properly with the Disklavier Mark IV Series.

For a list of compatible products, please visit www.yamaha.com/disklavier.

PianoSoft™ Quality Meets Quantity

Performances by world-class artists on PianoSoft™

PianoSoft Solo™ Series

World-class solo pianists perform piano-only music upon your request. Available in many genres, these selections are for the piano purist in all of us. With everything from country to contemporary, and from ragtime to Rachmaninoff, PianoSoft Solo makes the legendary Yamaha acoustic piano the featured soloist.

PianoSoft Plus Audio™ Series

Introduced with the revolutionary Disklavier Mark III, this CD-based software line takes advantage of everything digital audio has to offer. Specially recorded vocal and ensemble parts accompany the Yamaha acoustic piano for the ultimate in realism and accuracy.

PianoSoft Plus™ Series

The Plus adds digital instruments to the solo piano appropriate for the style of music selected. You may hear full orchestras including strings, horns, and percussion, or a Country band, a Rock band, and much more.

Smart PianoSoft™ Series

Cutting-edge PianoSmart technology is at the heart of Smart PianoSoft, the Mark IVs fastest growing line of software. Traditional store-bought audio CDs (that you may very well already own) can accompany the Disklaviers professionally arranged piano performance. Recordings dont get any more authentic than the original artists, and thats exactly what Smart PianoSoft delivers... by the hundreds.

Built-In PianoSoft Sampler The Disklavier Mark IV is Ready to Play

Every Mark IV Disklavier comes pre-installed with hours of music right from the factory featuring selections from PianoSoft Solo, PianoSoft Plus, and even PianoSoft Plus Audio! This means that the moment your Mark IV is delivered and powered-up, youll be listening to music right away.

You can purchase and, in many cases, download titles from the PianoSoft catalog, or view the entire catalog at www.yamahamusicsoft.com.

Practice Makes Perfect

More Than a Piano the Yamaha XG Tone Generator

Many educational software titles are available with ensemble backgrounds to accompany practice. The Yamaha XG tone generator has hundreds of high-quality instrumental voices to get the most out of your accompaniment.

The New AEM Tone Generator

Taking digital instruments to new levels of realism, the new AEM (Articulation Element Modeling) tone generator breathes new life into orchestrated backgrounds. This next-generation sound source produces the subtle nuances heard in brass, saxophone, and string sections. Regular software, including educational and even karaoke titles, will spring to life with Yamahas latest sound technology.

Practice One Hand While the Disklavier Plays the Other

Every teacher knows that practicing hands separately improves speed, accuracy, and memorization. With the ability to play the right and left hands independent of one another on selected software titles, as well as vary the tempo, practicing piano on the Disklavier has become a truly interactive experience. Add to this the fact that many popular method and lesson books are being offered with hands-separate recordings on disk, and youve got the ultimate music practice partner.

Digital Quiet Mode/Headphone Mode Flexibility

Yamaha Sound Muting System allows you to instantly switch off the sound of the acoustic piano, enabling the digital piano to be played at ultra-quiet volumes. With this feature, you can play and listen in Quiet Mode with the built-in speakers or in Headphone Mode via the privacy of dual headphones. Enjoy the Disklavier anytime at a sound level best suited for you and those around you.

The Ideal Synergy of Audio, Video, and One Beautiful Acoustic Piano PianoSmart™

PianoSmart Audio Synchronization

You wont need to look too hard to find audio CDs that are compatible with your Mark IV Disklavier you probably already own them. Thanks to PianoSmart, any one of hundreds of standard store-bought audio CDs are ready to play along with the Mark IV. All thats required is the corresponding Smart PianoSoft title for the CD of your choice. So choose a CD of a world-class Yamaha artist playing the piano and watch the Mark IV match the piano recording with the CD. After you load titles into

the Mark IVs internal memory, PianoSmart automatically and seamlessly synchronizes your audio each time.

PianoSmart Video Synchronization

Yamaha didnt stop at just playing audio CDs along with your Disklavier. PianoSmart also provides you with the ability to synchronize videotaped performances with the Mark IV. By simply connecting the audio jacks of a standard video camcorder to the SYNC jacks of the I/O Center, your performance can be immortalized for playback on the Mark IV and a standard TV monitor at the same time!

Classic Form Contemporary Function

SmartKey Now Anyone Can Play Right Away

Have you ever dreamed of playing the piano but thought you didnt have time to learn? With SmartKey technology, the new Disklaviers can make your dream come true. Even if youve never touched a keyboard or read a note of music in your life, the new SmartKey feature makes it easy to learn without a single lesson. Just follow along as SmartKey shows you which notes to play by partially depressing the next key in the melody. SmartKey prompts the Disklavier to wait for you and play at a speed within your comfort zone. Within minutes, youll be playing entire songs while the Disklavier follows your lead with virtuoso harmonies and arpeggios.

CueTIME, another exciting development in music software, offers sophisticated auto-accompaniment where you dont play along with recordings the recordings play along with you! Simply play the printed piano part and the digital orchestra follows your cue, matching your pace and enhancing your performance with professional arrangements.

*Note: SmartKey software may not be available in some countries.

The International Piano-e-Competition Truly the First of its Kind

Imagine a top-level classical piano competition where the performers, the judges, the audience, the pianos played, and the pianos heard are all in different cities at separate corners of the globe. This happens every other year at the International Piano-e-Competition, and it wouldnt be possible without the technology found only on Yamaha Disklavier pianos. This unprecedented event, first held in June 2002, uses state-of-the-art technology to expand the arena of virtuoso competition.

Contestants gather in selected cities to perform on Yamaha CFIIIS concert grands equipped as Disklavier Pros. Performance data is then transmitted over the Internet, allowing judges and audiences to listen on actual acoustic pianos on stage not through audio recordings subject to the quality of speakers and microphones. This method is so ground-breaking that it has been noted by Gustav Alink, who rated the International Piano-e-Competition among the top 30 in the world (from over 400) in his book *Piano Competitions Worldwide*. Disklavier owners around the world watched the competitions Web site (www.ecompetition.org) waiting for the latest performances to be posted. Once pieces were downloaded, enthusiasts enjoyed world-class musicians giving private performances on a live acoustic piano all in the comfort of their own homes.

Unparalleled Experience Means Unrivaled Recording and Playback

There's a reason why the Yamaha Disklavier has become the symbol of excellence in reproducing pianos.

Disklavier technology is factory-built into the piano from the beginning of its construction.

Superior Yamaha development and design

The Disklavier Mark IV's advanced intricate internal construction:

1. Power supply unit
2. I/O center
3. Powered speaker
4. Powered speaker
5. Solenoid unit
6. Media center
7. Sensor

Ultra-Large Internal Music Storage Capacity

Floppy disks, CDs, and other removable media are fine for carrying music from one place to another. But once the music makes it to the Disklavier Mark IV, it can be loaded onto the vast internal memory capable of holding hundreds of hours of music. Virtually every MIDI song file ever created for the Disklavier could be loaded and stored inside the Mark IV. If that seems a little excessive, the extra storage comes in handy for loading CD audio tracks.

Yamahas Exclusive High-Performance Grayscale Hammer Sensor

The world's first continual-detection optical hammer sensor continuously traces the hammer position from the time a key is pressed until it's released. This outperforms the previous two-point detection sensors of earlier Disklaviers and the simpler "Key ON/OFF" sensors used on many other systems. With the grayscale key sensor, the Mark IV monitors every motion of the key and hammer - even rapidly repeated notes - with meticulous precision and the softest touch.

Servo Control for Precision Playback Performance

Under the command of specially developed LSI microprocessors, the servo control system continuously monitors the movement of each key, precisely recreating every detail of the original performance. This allows for a slow return of the keys and delicate pianissimo, things that were previously unattainable.

Get Connected with the I/O Center

The Disklavier Mark IV has the ability to connect to a wide range of external equipment. Essentially, any device that connects to the Mark IV will be plugged into this "Input/Output" center. You can connect TVs, cameras, computers, home networks, and various other audio and music equipment to the I/O Center. No matter what your particular needs are, the Mark IV is ready to play.....

Specifications:

DC6M4t		
Sensor System	Key Sensors	Non-contact optical fiber/grayscale shutter sensing system for 88 keys (senses the key position, keying velocity, and key releasing velocity)
	Hammer Sensors	Non-contact optical fiber/grayscale shutter sensing system*
	Pedal Sensors	Non-contact digital optical sensing system (senses the pedal position)** *Except for DGC1M4, DC1M4, DC2M4 **Continuous sensing for the damper and soft pedals, and on/off sensing for the sostenuto pedal.

Drive System	Keys	DSP servo drive system (high-power servo controlled solenoids)
	Pedals	DSP servo drive system (servo controlled solenoids)
Data Storage	Internal Memory	80GB
	File Format	Standard MIDI File (format 0, 1) / E-SEQ
Removable Media	Floppy Disk: 3.5" 2DD (720 KB) or 2HD (1.44 MB) floppy disk Compact Disc: Audio CDs, PianoSoftoPlusAudio™, Data CD USB Flash Memory: Yes	
Media Center	Drives	CD and floppy disk drive
	Dimensions (W x H x D)	16" x 10-1/8" x 2-7/8" (405 x 257 x 73 mm)
	Weight	7.3 lbs. (3.3 kg)
Pocket Remote Control	Dimensions (W x H x D)	2-15/16" x 5-7/16" x 15/16" (74 x 138 x 23 mm)
	Weight	7.4 lbs. (210 g)*
		*Includes rechargeable battery, but not the screen protector and wireless LAN card.
Monitor Speakers	Rated Power Output	20W x 2; tone and volume controls
	Drivers	6-1/4" (16 cm) woofer x 2
	Dimensions (W x H x D)	5-11/16" x 9-5/16" x 6-5/8" (144 x 236 x 167 mm)
	Weight	9.7 lbs. (4.4 kg)
Record/Playback Modes	Standard	
Pitch Control	Set at A=440, tunable 50 cents in 1-cent steps	
Sound Muting Mechanism	Motor-driven hammer shank stopper	
Piano Voice and Performance Tone	Type	AWM2/Articulation Element Modeling (AEM)
	Polyphony	64-note digital stereo sampling (90MB wave memory, 16 bit linear) (AWM2) 6-note AEM
	Normal Voices	Piano (digital stereo sampling) and other 42 voices
Ensemble Tone	Type	Advanced Wave Memory 2 (AWM2)
	Polyphony	32-note max.
	Ensemble Parts	16
	Voice Module Modes	XG, GM
	Normal Voices	676
Drum Voices	21 kits total	
Power Source	Local AC current, 100~240V, 50/60Hz	
Supplied Accessories	Media Center, installation kit for the Media Center, monitor speaker, installation kit for the monitor speaker, speaker cord, PRC100 Pocket Remote Control, CF wireless LAN card, EA-BL08 rechargeable battery, cradle, EA-70 AC adapter, AC power cord, advanced operating manual, Quick Guide, stereo headphones	
Optional Accessories	HPE-170 headphones	
Length	6' 11" (186 cm)	
Width	61 " (149 cm)	
Height	40-1/2 " (101 cm)	
Weight	977 lbs. (443 kg.)*	
	*Weight includes control unit and speakers	
Finish	All models available in polished ebony finish. Please contact your dealer for other available finishes.	



YAMAHA CORPORATION OF AMERICA

DC2M4

Mark IV Series Full-Function
Grand Pianos

\$ 24,500.00

Enlarge Picture

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Specifications:

DC2M4		
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	Hammer Sensors	Non-contact optical fiber/grayscale shutter sensing system*
	Pedal Sensors	Non-contact digital optical sensing system (senses the pedal position)** *Except for DGC1M4, DC1M4, DC2M4 **Continuous sensing for the damper and soft pedals, and on/off sensing for the sostenuto pedal.
Drive System	Keys	DSP servo drive system (high-power

		servo controlled solenoids)
	Pedals	DSP servo drive system (servo controlled solenoids)
Data Storage	Internal Memory	80GB
	File Format	Standard MIDI File (format 0, 1) / E-SEQ
Removable Media	Floppy Disk: 3.5" 2DD (720 KB) or 2HD (1.44 MB) floppy disk Compact Disc: Audio CDs, PianoSoftoPlusAudio™, Data CD USB Flash Memory: Yes	
Media Center	Drives	CD and floppy disk drive
	Dimensions (W x H x D)	16" x 10-1/8" x 2-7/8" (405 x 257 x 73 mm)
	Weight	7.3 lbs. (3.3 kg)
Pocket Remote Control		
Dimensions (W x H x D)	2-15/16" x 5-7/16" x 15/16" (74 x 138 x 23 mm)	
Weight	7.4 lbs. (210 g)* *Includes rechargeable battery, but not the screen protector and wireless LAN card.	
Monitor Speakers	Rated Power Output	20W x 2; tone and volume controls
	Drivers	6-1/4" (16 cm) woofer x 2
	Dimensions (W x H x D)	5-11/16" x 9-5/16" x 6-5/8" (144 x 236 x 167 mm)
	Weight	9.7 lbs. (4.4 kg)
Record/Playback Modes	Standard	
Pitch Control	Set at A=440, tunable 50 cents in 1-cent steps	
Sound Muting Mechanism	Motor-driven hammer shank stopper	
Piano Voice and Performance Tone	Type	AWM2/Articulation Element Modeling (AEM)
	Polyphony	64-note digital stereo sampling (90MB wave memory, 16 bit linear) (AWM2) 6-note AEM Piano (digital stereo sampling) and other
	Normal Voices	42 voices
Ensemble Tone	Type	Advanced Wave Memory 2 (AWM2)
	Polyphony	32-note max.
	Ensemble Parts	16
	Voice Module Modes	XG, GM
	Normal Voices	676
	Drum Voices	21 kits total
Power Source	Local AC current, 100~240V, 50/60Hz	
Supplied Accessories	Media Center, installation kit for the Media Center, monitor speaker, installation kit for the monitor speaker, speaker cord, PRC100 Pocket Remote Control, CF wireless LAN card, EA-BL08 rechargeable battery, cradle, EA-70 AC adapter, AC power cord, advanced operating manual, Quick Guide, stereo headphones	
Optional Accessories	HPE-170 headphones	
Length	5' 8" (186 cm)	
Width	58-3/4" (149 cm)	
Height	39-3/4" (101 cm)	
Weight	752 lbs. (341 kg.)* *Weight includes control unit and speakers	
Finish	All models available in polished ebony finish. Please contact your dealer for other available finishes.	



YAMAHA CORPORATION OF AMERICA

MPC6**6' 11" Grand MIDI Piano**

\$ 26,000.00

The Piano That Lets You Connect

The Yamaha MIDI Piano lets you connect traditional tone, touch and elegance to the world of digital electronics. The quality and craftsmanship inherent in every Yamaha piano are combined with state-of-the-art fiber optic technology. Multi-point optical sensors at each key and pedal register every facet of the player's performance with unparalleled precision, instantly transforming keystrokes into digital data. This opens the doorway to a new world of creative educational opportunities.

MIDI In/Out

MIDI Musical Instrument Digital Interface connects the MIDI Piano to other keyboards, external modules (like the Yamaha DSR1 Digital Sequencer Recorder) and computers.

Computers

With the simple connection to a computer you can record and print your own music, learn to play the piano and even download music from the internet.

Double Sensor System

The sensor system consists of optical sensors located at each key and hammer. This industry unique feature provides the highest degree of precision and sensitivity. Because these sensors are optical, they have no effect on the feel of the keys as they accurately transmit every nuance of your playing to the digital electronics.

Yamaha QuickEscape™ Action and Piano Mute Rail

When you engage the Piano Mute Rail, the hammers will not strike the strings, allowing you to play MIDI sounds or the onboard digital piano sound without hearing the acoustic piano. The exclusive QuickEscape™ action mechanism provides a consistent touch in either the piano mute mode or acoustic mode. These two features instantly convert the MIDI Piano into the perfect MIDI controller or multi-track recording instrument.

Built-In Digital Piano Sound

The on-board digital piano expands your playing potential. The sound of a Yamaha

concert grand is digitally recorded and captured on a powerful 30 megabyte computer chip and available at your fingertips.

Key-Release Velocity

The key-release velocity feature can detect and respond to expressive fingering, capturing the speed each key is released. Key-release velocity results in the capturing the characteristic sound and feel of an acoustic piano while playing the digital piano.

Headphones

Plug in the headphones and enter your own concert hall environment with the tone and ambiance of a concert grand on stage. Add the piano mute rail and you can play in complete privacy.

Reverb

Add the acoustic environment of a concert hall.

Audio Out

Project the sampled sound of a concert grand through speakers or direct to a tape deck.

Produced by the World's Leading Piano Manufacturer

This grand piano is of the highest quality, designed for high sound quality with reliability and attention to detail built in at every stage. Yamaha has the rare combination of advanced optical fiber sensor technology, extensive experience with digital pianos and keyboard, and a long tradition of acoustic excellence in piano design.

Seasoned for Destination

Yamaha specifically seasons this piano for the U.S. market. The tuning stability, finish and overall musical integrity are enhanced over the long life expected of a fine piano.

Permanent Crown Solid Soundboard

Yamaha utilizes a process that creates a permanent crown in the soundboard and at the same time minimizes soundboard cracking. The customer can feel confident that not only will the piano last for years, but the beautiful sound of a Yamaha piano will last a lifetime.

Solid Spruce Soundboard

At the Yamaha lumber mill and wood processing facility, the finest spruce is quarter sawn; and less than 10% of the total is selected and reserved for Yamaha piano soundboards. Solid spruce, rather than laminated spruce or poplar, is the choice in all fine pianos for the best amplification of sound, best tone and sustain.

Full Length Ribs

Yamaha reinforces the crown in its soundboards by using ribs that continue to the edge of the soundboard and are glued into the notched liner (or inner rim on the grand piano). Reinforcing the crown ensures that the tone quality will remain for years and years and improves tuning stability.

V-PRo Plate

Yamaha uses V-PRo (Vacuum Shield Mold Process) in casting the iron frame (plate). V-Pro plates are stronger and visually more appealing. Critical dimensions

are produced more accurately than before.

Extruded Aluminum Action Rails

Yamaha engineering developed a unique Extruded Aluminum Alloy Action Rail (bearing a Yamaha patent) that is one of the best innovations for improving a piano action in the last 100 years. The usual fluctuations in wood rails that effect touch, caused by periodic weather changes, are eliminated allowing stable, long-lasting action regulation.

Balanced Action

Each key of a Yamaha piano is individually tested and measured for the corrections needed to obtain uniform "down weight" pressure. Yamaha actions play correctly and uniformly. This balancing helps ensure a lifetime of superior touch and control across the keyboard.

Uniform Key Travel

Yamaha designs all grand and vertical pianos to have the same key travel. Regardless of size, type or model of Yamaha piano, the keyboards will always feel the same.

Spruce Keys

Yamaha uses Spruce for the keys on all models of pianos. Spruce is very light and possesses a very high ratio of strength to weight. It is ideal for key construction, even though its cost is greater than either sugar pine or bass wood. Yamaha keyboards respond quickly providing fast repetition for the most intricate piece of music. Yamaha keyboards withstand heavy use over years of fortissimo passages.

Yamaha Servicebond™ Assurance Program

The Yamaha Servicebond Assurance Program is provided to the customer, without additional charge, 3-8 months after delivery of their piano. This service is a thorough check up and adjustment procedure to "rejuvenate" a piano after play-in and acclimation to its new environment. After 3-8 months or so of settling and becoming acclimatized, the piano will receive the benefit of a service visit to return it to the conditions specified by the manufacturer.

Specifications:

Piano Silencing Mechanism	Lever-activated hammer shank stopper	
Action	Grand piano action with Quick Escape mechanism	
Sensor System	Keys: 88 two-beam, four-point optical fiber sensors (key-release velocity sensing); Hammers: 88 one-beam, two-point optical fiber sensors; Sustain and shift pedals: Continuous position sensors; Sostenuto pedal: On/off sensor	
Digital Piano Tone Generator	Type	Digital stereo sampling with sustain pedal resonance effects
	Voice	Yamaha CFIIIS concert grand piano;
	Memory	30 megabyte (wave memory)
	Polyphony	32-note stereo
	Pitch control	438~445 hertz in 1-hertz steps, fine tuning in 1.2 cent steps
Reverb	Room, Hall1 (default), Hall2, with continuous depth control	

Other Controls	Volume, power switch with pilot lamp
Demonstration Songs	8
Power Supply	15V DC, 2000mA supplied from AC adaptor
Connectors	Headphones x 2, MIDI In/Out, AUX In/Out, DC In
Finish	Polished Ebony
Depth (Length)	6' 11"
Net Weight	880 lbs.

Accessories:**Included:**

HPE-170 Headphones x 1

AC adaptor

Owners manual

Optional:

DSR1 Digital Sequencer Recorder – Tone Generator for the Disklavier, Clavinova, GranTouch, or MIDIPiano.

7292

shippable items 								
Item No.	Item Name	Supplier	Price	Qty	Total			
1	1000338	Selections from "Evita"	USA-1	\$34.95	1	\$34.95	remove	✓
2	1000326	Rhapsody In Blue/ Spellbound Concerto	USA-1	\$34.95	1	\$34.95	remove	✓
3	1005108	Classical Piano	USA-1	\$34.95	1	\$34.95	remove	✓
4	1000294	Selections from "Guys and Dolls"	USA-1	\$34.95	1	\$34.95	remove	✓
5	1005065	Selections from "Cats"	USA-1	\$34.95	1	\$34.95	remove	✓
6	1000360	Tony Bennett Collection - 'I Left My Heart in San Francisco'	USA-1	\$34.95	1	\$34.95	remove	✓
7	1000292	Grieg Piano Concerto In A minor	USA-1	\$34.95	1	\$34.95	remove	✓
8	1000324	Rachmaninoff Piano Concerto No. 2 In C Minor Op. 18 - Disklavier Version	USA-1	\$34.95	1	\$34.95	remove	✓
9	1000349	Tchaikovsky	USA-1	\$34.95	1	\$34.95	remove	✓
10	1000291	George Gershwin - Warsaw Concerto/ Second Rhapsody	USA-1	\$34.95	1	\$34.95	remove	✓
11	1000374	Classic Gems 1 - CueTime	USA-1	\$34.95	1	\$34.95	remove	✓
12	1000272	Classic Treasures	USA-1	\$34.95	1	\$34.95	remove	✓
13	1000309	Messiah Highlights	USA-1	\$34.95	1	\$34.95	remove	✓
14	1000337	Selections from "Carousel"	USA-1	\$34.95	1	\$34.95	remove	✓
15	1005062	Selections from the King and I	USA-1	\$34.95	1	\$34.95	remove	✓
16	1006025	Selections From A CHORUS LINE	USA-1	\$34.95	1	\$34.95	remove	✓
17	1000487	Piano Concertos 2	USA-1	\$34.95	1	\$34.95	remove	✓
18	1048880	Classic Gems 2	USA-1	\$34.95	1	\$34.95	remove	✓
19	1046661	Classic Gems 3 - Early Level Repertoire - CueTime	USA-1	\$34.95	1	\$34.95	remove	✓
20	1025809	DICHTERLIEBE OP. 48	USA-1	\$39.95	1	\$39.95	remove	✓
21	1000371	Celeste Tavera in Recital	USA-1	\$39.95	1	\$39.95	remove	✓
22	1010777	SONATAS FOR VIOLIN	USA-1	\$39.95	1	\$39.95	remove	✓
23	1001653	Sonatas for Cello	USA-1	\$39.95	1	\$39.95	remove	✓
24	1061771	EDITH PIAF - A TRIBUTE!	USA-1	\$39.95	1	\$39.95	remove	✓
25	1001654	Broadway Duets	USA-1	\$39.95	1	\$39.95	remove	
26	1039352	Carol Welsman- Hold Me	USA-1	\$39.95	1	\$39.95	remove	
27	1001656	Soprano Arias	USA-1	\$39.95	1	\$39.95	remove	

order summary

Subtotal: \$983.65
 After Savings: \$983.65

www.yamaha.com



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497

College of Liberal Arts
P. O. Box 5314

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

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.