



NU1XA

**UPRIGHT STYLE,
GRAND SPIRIT**



UPRIGHT STYLE, GRAND SPIRIT

Helping you attain the stage of performance you're aspiring to. Letting you play music anytime you want. Responding to those musical desires by weaving the real action of an acoustic piano with state-of-the-art technology, for a grand piano-inspired experience.

And welcoming you to that special musical world in which you yearn to dwell.

COLOUR VARIATION:



PE



PWH



H I G H L I G H T S

- Specialized Upright Piano Action for NU1XA with Acrylic resin (White Key Surfaces)
- Articulation Sensor System with the key and hammer sensors
- CFX and Bösendorfer Imperial piano samples
- CFX and Bösendorfer Imperial Binaural sampling
- 28 Voices
- Grand Expression Modeling
- Virtual Resonance Modeling (VRM)
- GrandTouch™ Pedals with GP Response Damper
- Preset Songs: 28 Voice Demo, 50 Classic, 303 Lesson
- Amplifiers: (40 W + 45 W) × 2; Speakers: (16 cm + 2.5 cm (dome) with Bidirectional Horn) × 2
- Sophisticated design that embodies the profound elegance of a grand piano
- Built-in Bluetooth® for wireless connection to Smart Devices and apps

EXPRESSIVENESS THAT PERFECTLY TRANSLATES YOUR MUSICAL INTENTIONS

NATURAL TOUCH WITH ACOUSTIC PIANO ACTION

The NU1XA utilises a complex and elaborate upright piano action mechanism that transmits the delicate movements of the keys to the hammer. It responds accurately to the subtlest nuances and expressive intentions of the player, including delicate performance techniques such as trills and continuously repeated notes. In addition, the keyboard is made of wood, just as with an acoustic piano, providing a solid, natural response.



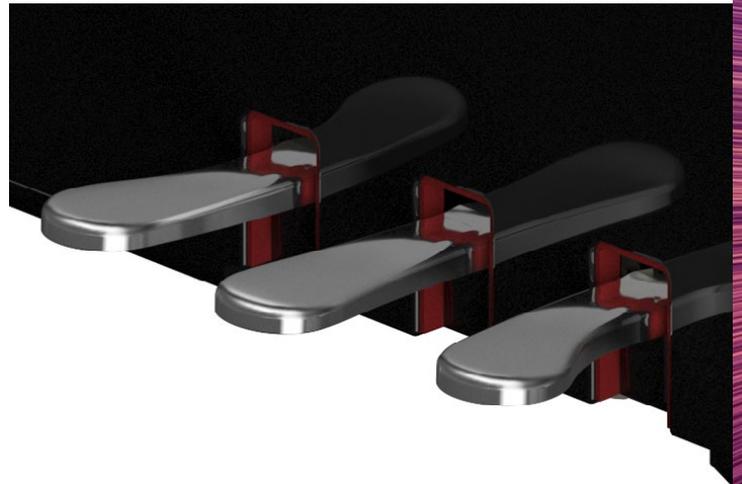
REMARKABLY DETAILED EXPRESSIVENESS WITH THE YAMAHA ARTICULATION SENSOR SYSTEM

The NU1XA features our newly developed Articulation Sensor System, which accurately and continuously captures the pianist's subtlest performance nuances, through non-contact electromagnetic sensors and Yamaha's proprietary algorithm. This system utilises two separate sensors on each key: one for the hammer — the most crucial part of the acoustic piano sound mechanism — and the other for the key itself, to precisely measure the movement of finger release and articulate exactly the special nuances when the sound stops. Together, they fully capture the most delicate expressions of the player.

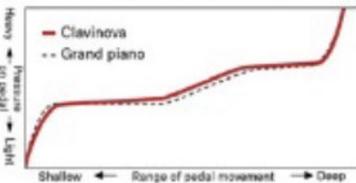


GRANDTOUCH™ PEDALS FOR AN EVEN BROADER PERFORMANCE RANGE.

The damper pedal on a grand piano responds with slightly different resistance to the player's foot, depending on when the pedal is pressed, when it begins to have an effect, and when it is held down. Skilled players generally pedal while feeling these subtle differences in resistance, and add their own delicate variations to the tone and sound. Moreover, when the pedal is released, there is a different change in resistance than when being pressed. The GrandTouch™ Pedals feature adopts a fulcrum structure similar to that of a grand piano, delivering the same expressive and familiar pedal-pressing feel, and further expanding the performance range.



Response of GP Response Damper Pedal



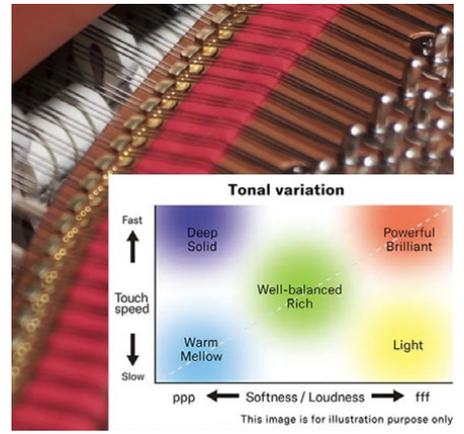
GRANDTOUCH
PEDALS 

RESONANCE THAT FILLS A PERFORMANCE SPACE LIKE A GRAND PIANO.

The very moment the hammer strikes the strings, the sound is immediately heard by the performer, and at the same time, the entire instrument resonates, filling the room with a gorgeous sound. In order to faithfully reproduce this unique sonic experience created with a grand piano, the NU1XA employs a new sound system. It features upward-facing woofers that deeply resonate throughout the instrument and tweeters with a newly designed horn structure that resonate in the high frequencies with the front and back of the instrument. Together with these synergistic resonance effects, the tonal quality and sound projection give the player meticulous real-time control over the sound as they perform, resulting in an amazingly realistic grand piano-like sound that expands three-dimensionally throughout the performance space.



UNIQUE TECHNOLOGIES THAT DELIVER RICH AND DELICATE EXPRESSIVENESS

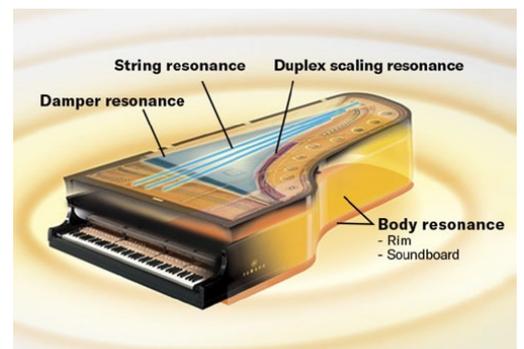


GRAND EXPRESSION MODELING TECHNOLOGY FOR EXPRESSING EVEN THE MINUTEST NUANCES IN TONE AND RESONANCE.

Acoustic pianos have an intricate assembly of internal mechanisms, including hammers, dampers, and strings, that elaborately interact with each other as they respond to the delicate variations in the player's touch. Grand Expression Modeling technology accurately simulates this complex interplay between player and instrument, reproducing the same limitless tonal variation of a grand piano. In addition to using your finger strength for expression, from playing a key to releasing it, you can also craft changes in timbre according to the speed and depth with which the keys are pressed—providing the enjoyment of a full-fledged performance where all the fine nuances you envision as you play are perfectly reproduced.

VIRTUAL RESONANCE MODELING FOR SONICALLY REPRODUCING THE ENTIRE PHYSICAL PRESENCE OF A GRAND PIANO.

Virtual Resonance Modeling (VRM) technology faithfully reproduces the extraordinarily complex resonances in a grand piano that are created by the sympathetic vibration of the strings and soundboard. These sympathetic tones are added corresponding to the timing and intensity of your keystrokes and pedaling—expanding your palette of tonal colors for even greater expressive variety.



THE YAMAHA CFX AND BÖSENDORFER IMPERIAL. TWO WORLD-RENOWNED GRAND PIANOS IN JUST ONE INSTRUMENT.

In order to satisfy the various expressive needs of the most demanding performers, the NU1XA incorporates the sounds of two globally acclaimed grand pianos, the Yamaha CFX, and the Bösendorfer Imperial. The CFX is the pinnacle of Yamaha grand pianos possessing a wide range of dynamic tones from sparkling highs to profoundly deep bass, while the Bösendorfer's flagship Imperial model is known for its delicate tonal color and its warm Vienna sound. Play with the instrument sound you like, depending on the music you're playing.



BINAURAL SAMPLING GIVES YOU EXTRAORDINARILY NATURAL SOUND, EVEN WHEN USING HEADPHONES.



When playing the NU1XA with headphones and when you don't want to bother anyone, such as at night time, you don't have to sacrifice any of the luxuriously rich piano sounds. By using special microphones at the player's position when recording the piano samples, Binaural Sampling technology effectively reproduces the sensation of hearing an acoustic piano in front of you as you play. The technology was used on both the Yamaha CFX and Bösendorfer Imperial Voices. The resulting sound is so natural and enveloping, you'll forget you even have headphones on as you play.

AUTHENTIC FORTEPIANO VOICES FOR REALISTICALLY PLAYING AND EXPERIENCING PERIOD INSTRUMENTS.

The NU1XA features four additional piano voices that authentically reproduce the sound of the "fortepiano" from the 1700's and 1800's. These let you experience the characteristic sounds of the pianos of those eras in which famed composers such as Mozart, Beethoven and Chopin lived, and allow you to deepen your understanding of the composers' intentions in the scores written during those times.

*The fortepianos shown in the picture are from the collections of the Hamamatsu Museum of Musical Instruments.



ATTRACTIVE DESIGN AND INTUITIVE USER INTERFACE MOTIVATE YOU TO PLAY

SOPHISTICATED DESIGN THAT EMBODIES THE PROFOUND ELEGANCE OF A GRAND PIANO.

By incorporating graceful curves from the side arms to the legs, the NU1XA evokes timeless beauty while radiating the elegance of an acoustic piano. Moreover, the height has been reduced allowing you to bring it into virtually any room without feeling cramped or confined. The shiny, mirrored key stop rail beautifully reflects your hands and the keys in the same way as a grand piano, adding a sumptuous visual presence and enhancing your performing pleasure.



ELEGANTLY STYLED CONTROL PANEL FOR EASY OPERATION AND ENHANCED PERFORMANCE.

The NU1XA has a beautiful yet unassuming touch-sensitive control panel that allows you to easily operate various basic instrument functions, including Voice selection, reverb adjustment, and metronome control. When not in operation, the display panel turns off and virtually disappears, making the overall appearance even more like an acoustic piano, further enhancing your piano-playing enjoyment.



EVEN MORE MUSICAL FUN WITH SMART DEVICE APPS AND BLUETOOTH® CONNECTIVITY.

Download the free Smart Pianist app to your smartphone or tablet, connect it to the NU1XA via Bluetooth®, and then enjoy the powerful functions and intuitive control you have over the various features and operations of the instrument—all while looking at your smart device's screen. You can select the built-in Voices while seeing realistic illustrations of each instrument, as well as use the metronome and tuning controls with greater ease. The NU1XA is also compatible with Bluetooth® Audio. Wirelessly connect your smart device to the instrument and enjoy playing along with song data that streams from the device.



SPECIFICATION CHART

MODEL NAME			NU1XA
Product Name			Hybrid Piano
Control Interface	Keyboard	Number of Keys	88 (A-1 – C7)
		Type	Specialized Upright Piano Action for NU1XA
		Key Surfaces – White	Acrylic resin
		Touch Response	Hard2/Hard1/Medium/Soft1/Soft2/Fixed
	Sensor System	System	Articulation sensor system
		Key Sensors	Non-contact continuous detection electromagnetic inductive type
		Hammer Sensors	Non-contact continuous detection electromagnetic inductive type
	Pedal	Number of Pedals	3: Damper (with Half-pedal function), Sostenuto, Soft
		GrandTouch™ Pedals	Yes
		Assignable Functions	Sustain (Switch), Sustain Continuously, Sostenuto, Soft, Pitch Bend Up, Pitch Bend Down, Rotary Speed, Vibe Rotor, Song Play/Pause
	Display	Type	Full Dots LCD
		Size	128 × 64 dots
		Language	English, Japanese
	Panel	Type	Touch sensors
Language		English	
Cabinet	Key Cover Style		Soft-Close Fallboard
	Music Rest		Yes
Voices	Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial
		Binaural Sampling	Yes (“CFX Grand” and “Bösendorfer” only)
	Piano Effect	VRM	Yes
		Grand Expression Modeling	Yes
		Key-off Samples	Yes
		Smooth Release	Yes
	Polyphony (max.)		256
	Preset	Number of Voices	28
Effects	Types	Reverb	6 Types
		Chorus	3 Types
		Brilliance	7 Types + User
		Effect	12 Types
		Intelligent Acoustic Control (IAC)	Yes
		Stereophonic Optimizer	Yes
	Functions	Duo	Yes
Songs (MIDI)	Preset	Number of Preset Songs	Voice Demo: 28, Classic: 50, Lesson: 303
	Recording	Number of Songs	250
		Number of Tracks	16
		Data Capacity	Approx. 500 KB/Song
	Format	Playback	SMF (Format 0, Format 1)
		Recording	SMF (Format 0)
Songs (Audio)	Recording Time (max.)		80 minutes/Song
	Format	Playback	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)
		Recording	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)
Functions	Overall Controls	Metronome	Yes
		Tempo Range	5 – 500
		Transpose	-12 – 0 – +12
		Tuning	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)
		Scale Type	7 types
		USB audio interface	44.1 kHz sample rate, 24-bit resolution, stereo
	Miscellaneous	Piano Room	Yes



SPECIFICATION CHART

MODEL NAME			NU1XA
Bluetooth® (*depends on the destination)	Audio	Supported profile	A2DP
		Compatible codec	SBC
	MIDI		Comply with Bluetooth® Low Energy MIDI Specification
	Bluetooth® version		4.2
	Wireless output		Bluetooth® Class 2
	Maximum communication distance		Approx. 10m
	Radio Frequency		2401 - 2481 MHz
	Maximum output power (EIRP)		4 dBm
Type of modulation		GFSK	
Storage and Connectivity	Storage	Internal Memory	Total maximum size approx. 1.4 MB
		External Drives	USB flash drive
	Connectivity	DC IN	24 V
		Headphones	Standard stereo phone jack (× 2)
		MIDI	IN / OUT
		AUX IN	Stereo mini
		AUX OUT	L/L+R, R
		USB TO DEVICE	Yes
USB TO HOST	Yes		
Sound System	Amplifiers		(40 W + 45 W) × 2
	Speakers		(16 cm + 2.5 cm (dome) with Bidirectional Horn) × 2
Power Supply	AC Adaptor		PA-500 (Output: DC 24 V, 2.5 A)
	Power Consumption		47 W
	Auto Power Off		Yes
Size	Width		1,501 mm (59-1/8")
	Height		1,024 mm (40-5/16")
	Depth		462 mm (18-3/16")
Weight			108 kg (238 lb, 2 oz)
Included Accessories			<ul style="list-style-type: none"> ▪ Owner's Manual ▪ "50 Classical Music Masterpieces" music book ▪ Online Member Product Registration ▪ AC adaptor PA-500* <ul style="list-style-type: none"> ▪ Power cord* ▪ Felt key cover ▪ Headphone hanger ▪ Headphone hanger screws <ul style="list-style-type: none"> ▪ Felt strip set ▪ Bench* <p>*May not be included depending on your area. Check with your Yamaha dealer.</p>
Separately Sold Accessories (May not be available depending on your area.)			<ul style="list-style-type: none"> ▪ Headphones (HPH-50/HPH-100/HPH-150) <ul style="list-style-type: none"> ▪ AC adaptor (PA-500) ▪ USB wireless LAN adaptor (UD-WL01)

The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

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