

QRS MUSIC TECHNOLOGIES

DISCOVER THE LEGEND  
DISCOVER THE FUN



PNOMATION 3

QRS<sup>®</sup>  
SINCE 1900



# PNOMATION

Forry & Clark  
U.S. Pat. 1,877, 11

THE PERFECT PLAYER PIANO EXPERIENCE IS HERE  
PLAY - PRACTICE - PERFORM - PRODUCE

FACTORY OR FIELD INSTALLATION



# QRS PNOMATION & PNOMATION STUDIO

THE PERFECT PLAYER PIANO EXPERIENCE IS HERE

## PNOMation® Playback Features

- Thousands of tracks of different genres to choose.
- Plays standard MIDI, MP3s and QRS SyncAlong MP3.
- Presorted tracks by color and genre for Solo, Concert and SyncAlong series.
- Custom playlists.
- Multiple schedules of on/off and playlists.
- Key and pedal minimum playback alignments.
- Streamer Music Plans
- QRS TV via ROKU & QRS Connect
- Auto volume controls.
- Performance piano vs background -match your piano's volume to your speakers.
- MIDI playback from MIDI using 5 pin, USB, USB thumbstick, internal MIDI, recorded MIDI, BT MIDI or network.
- Sort by Album, Genre, Playlist, Artist, Played By Artist, Type (solo piano or piano with background - color coded).
- Shuffle, repeat, repeat one.
- Tempo & transpose, volume, playback MIDI features.
- Any Wi-Fi enabled device can access.
- Start - Stop from the piano, remote, or WiFi device.
- iTunes®, Airplay or Bluetooth not required.
- Content is on the piano, not in the cloud and not on your device.
- Karaoke.
- New QRS TV and Sessions
- Forward compatible with HD MIDI.
- Any web enabled device can access the User Interface. Tablets, Phones, Laptops..
- QRS Connect Music Platform.
- Amazon Alexa and Google Home compatable
- Built in Wi-Fi network and stand alone modes

## PNOMation® Studio Features Add PNOscan, KeyStop, Headphones and Speaker

- QRS-Connect Cloud Service (Free)
- Auto Save - never lose an inspiration.
- Auto Record - just pull up a chair and play, nothing in the way.
- Wirelessly initiate a recording and open it remotely.
- Open, record to and/or use in third party applications.
- Record and playback from third party applications.
- Perform with internal sounds.
- Home Concert Extreme with remote MIDI mode.
- Metronome.
- Set auto save naming structure and parameters
- Practice in silence with additional KeyStop rail and headphones.
- Future software upgrade will enable notation purchases.
- Future Left Hand, Right Hand, Split Point or MIDI assignable marking.

### System Features:

Electronic manuals, pedal and key alignment, visual PNOscan adjustments, network set ups, voice prompts PLx\_mv, leds, on/off, 5 Pin and Bluetooth MIDI in and out, USB (2), USB record (1), SD, external power in for third party player systems, playback set ups - number of keys, direction, delays..., reboots and reset switches, test files. One year limited warranties as well as All Access Plans with extended warranties and music access.

### Standard Equipment:

PNOMation3 processor with Wi-Fi and Bluetooth, Pin Light Port Extension (PLx\_mv) USB, power, MIDI and audio cables, mounting hardware, Q35 speaker, playback engine and system power supply, cables, mounting hardware, Q35 speaker, playback engine and system power supply.



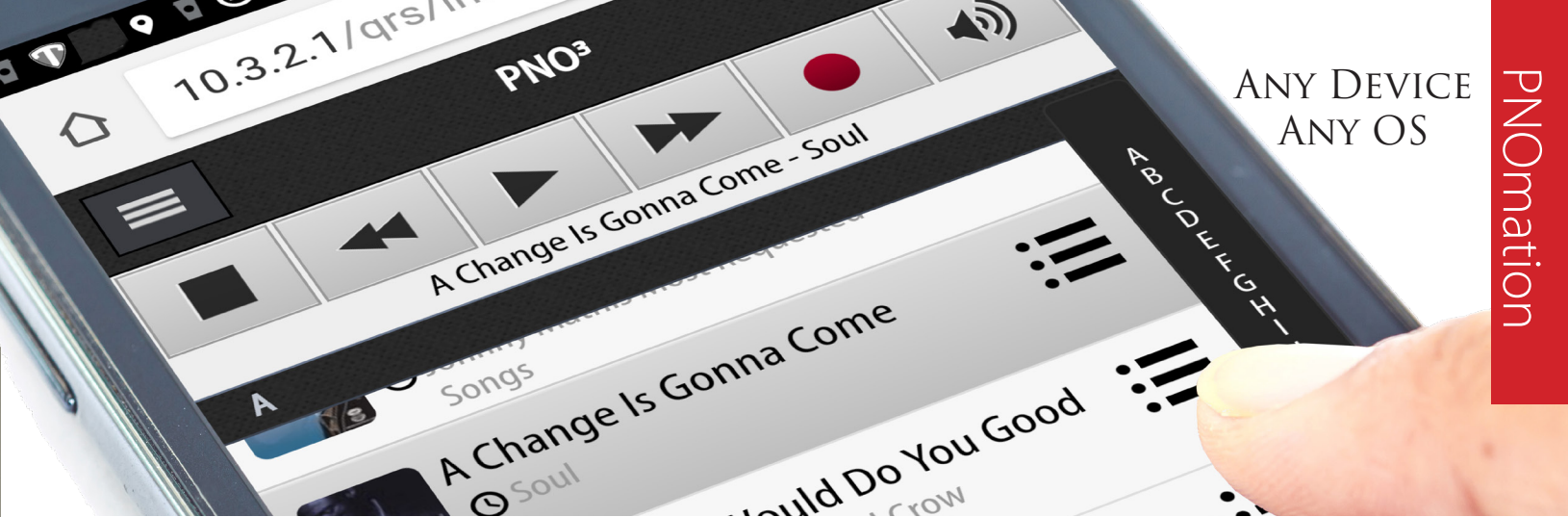
# CRAZY EASY TO USE

ANY - OS - TABLET - COMPUTER - VOICE -  
PHONE - WEARABLE - IR REMOTE - LOCAL



The device used is simply a window to the user interface served up by the PNOmation controller. You are not locked into the use of an app or the operating system on which it sits. Any tablet with any OS - iPad or Android - can control your player.





ANY DEVICE  
ANY OS

PNOmation



Using your laptop or desktop is a great way to work your PNOmation system. Unlike other systems that lock you into an app, OS or mobile solution, QRS does not. Now, interfacing with powerful PC and Mac software applications is seamless.



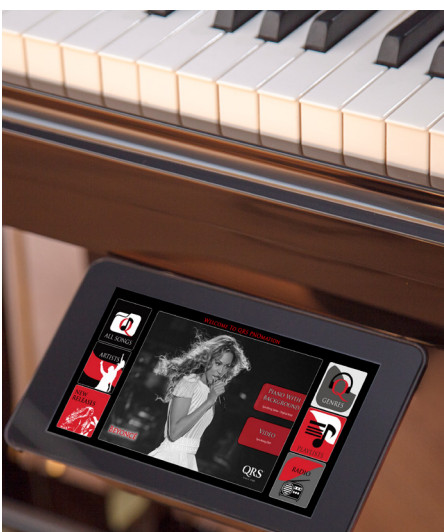
Alexa can play your favorites playlist. Saying "Alexa - play PNO" is all it takes. The letters PNO are trademarked whereas the keyword Piano is not permitted. Also, since the app sits on the piano and not a mobile device, more control and flexibility are possible.



Mobile or PC based user interfaces are not always the best solution especially if you have to turn them on, then find what you need to do. That's why the low profile PLx\_mv gives immediate basic hard button control of start/stop/reboot/status and volume, plus convenient access to I/O such as USB host, client, or analog in and out.



Yes, QRS has an IOS app; it permits use of the wearable Apple watch and finds your PNO's IP address.



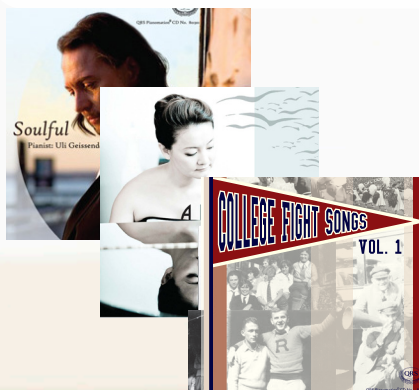
Mobile tablets and phones have the advantage of great user interface capability, Wi-Fi, and Bluetooth connectivity. These work well when the Wi-Fi between PNOmation and the device are connected and on the same network, charged and within range. The PNOtouch, add on accessory, offers a hardwired solution that is always on and slides out of sight when not in use.



Discreet IR commands are also a solution with no mobile app required. Plus IR is a solution for smart home integrators.



## THE LARGEST, BEST & MOST DIVERSE PLAYER PIANO MUSIC LIBRARY



QRS Nostalgic and Performance Series offer music from the archives of the QRS vault and some of today's super talented, international stars. These solo performances and specially arranged pieces are sure to keep you exploring the many styles available.



The QRS Concert Series is recorded live but has the piano track removed, leaving your own piano to play along with the background music. It includes unbelievable tracks from trios to rock to some of the most engrossing standards. There is a reason an acoustic piano fills your senses - it's how music should be heard and felt.



Sync-Along is a patented QRS Music technology that allows your piano to play along with original artist content. QRS has a large diverse library featuring hits and artists from the past to the present. The addition of lyrics makes Sing-Along a lot more fun.



QRS TV and QRS Connect, another of QRS's powerful patented music technologies that allow your piano to play along with original artist video content. QRS offers full length movies and concerts where the piano plays along with the movie or concert (Requires Q-Sync media player). QRS also offers a library of great piano performances by amazing, talented artists recorded using the QRS PNOscan.

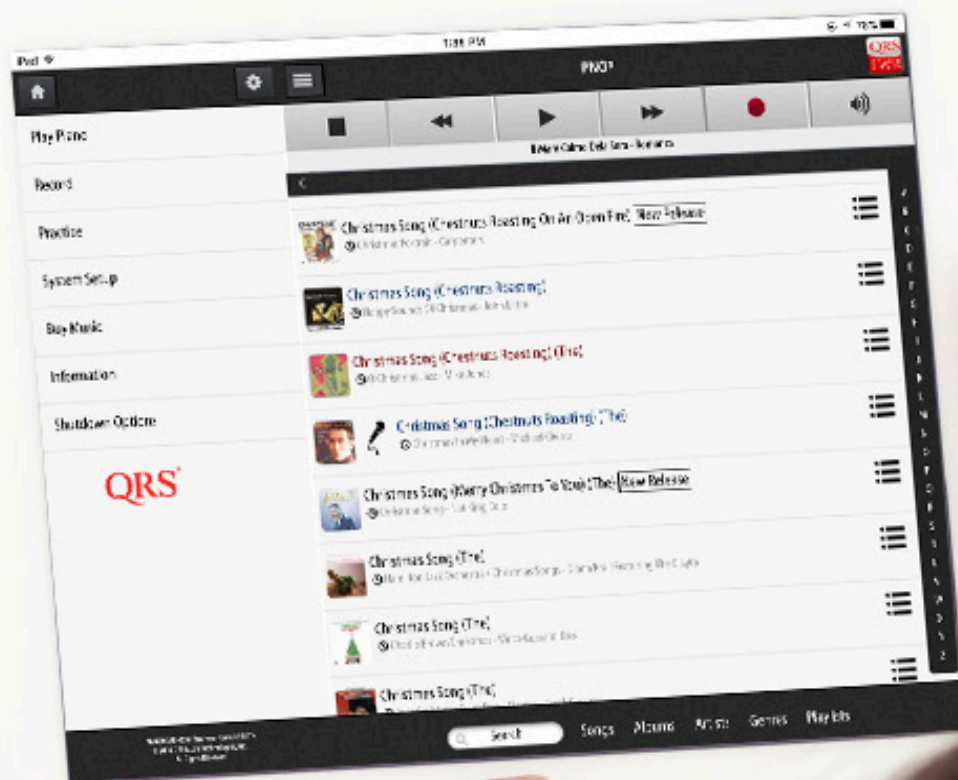


# QUICKLY FIND THE MUSIC YOU LOVE.

Sorted by Solo, Concert, Artist, Sync-Along, Genre, Playlist or by Source  
USB, Radio, Bluetooth, External or MIDI In.



Since 1900 QRS has been a leader in the creation of player piano content. It continues today with its latest patented Sync-Along and Musical Fingerprint technologies.



Your PNOmatation purchase comes with a complimentary music library and a trial period of the "All Access" plan (ability to sample all music).

From time to time QRS adds music to the complementary music library. New customers or "All Access" plan customers receive these files free. At the time of its release PNOmatation<sup>3</sup> had 319 complimentary tracks, they were chosen to give a flavor of the library's different albums and styles. Purchased separately they would have cost over \$1,000.00.

Since that time QRS has added over 3,000 more complimentary tracks to the library. These tracks included some Sync-Along content, a representation of various international cultural styles plus some bonus popular covers. The value, if tracks were purchased individually, would be close to \$5,000.00. A total of \$6,000.00 dollars worth of content is given free to new PNOmatation customers and those in an "All Access" plan.

Currently QRS has over 15,000 tracks in its library and it keeps growing.



# PNOMATION STUDIO

## PNOMATION + PNOscan + SILENT SYSTEM

Unparalleled Versatility  
Professional level touchless optical sensing and recording  
for the acoustic piano

### LEARN, PRACTICE, CREATE, AND PERFORM

What integration of PNOscan™ with PNOmation adds:

- Optical capture and recording of practices and performances.
- Graphical Setup: Log in through any WiFi device to setup.
- Silent practice: Add a Key Stop to deliver this feature.
- The keys playback your recorded performance.
- SoundFonts: You pick the sounds.
- Third Party Software Integration: Packages such as PianoMarvel, Uplay Piano, Internet MIDI, Home Concert extreme, Logic, Pianotec networked MIDI...
- One year of free online PianoMarvel lessons.
- Auto Record: No technology in the way—just play.
- Auto Save: Locally and to your free PNOcloud™.com account.
- Free QRSCoconnect.com account - remotely play other PNOmation Systems



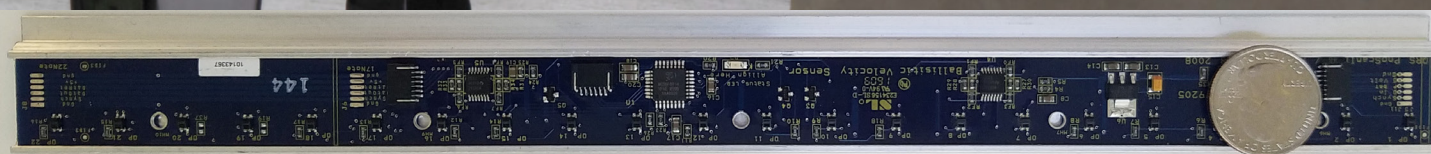
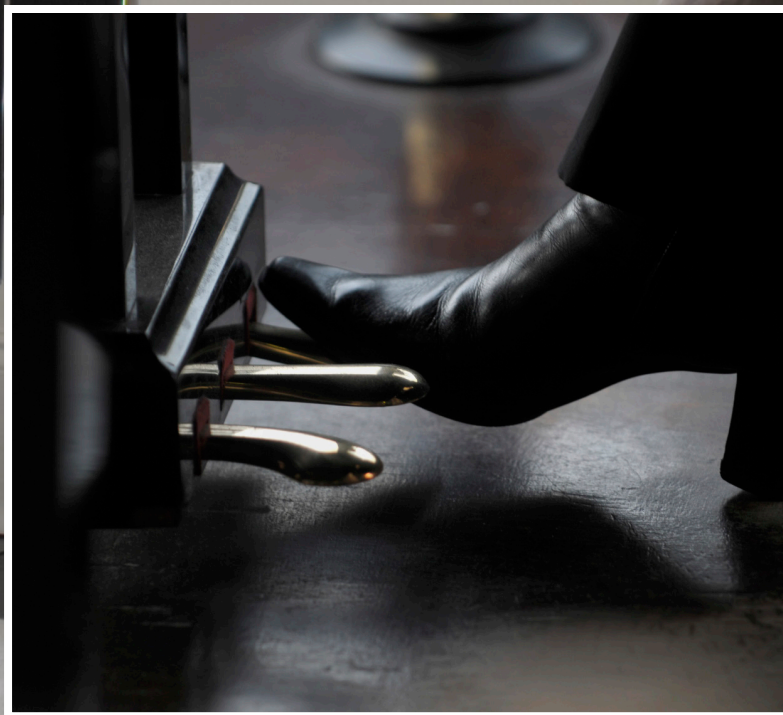
## EVERY NUANCE OPTICALLY CAPTURED

The best record technologies sense the movement of the keys continuously. This means they see the entire movement of the key up and down. That data can then be used to set trigger points and assign controller values. Leaving the most accurate recording possible. The sensors also need to be non-evasive, in other words nothing effects the touch of the key. With PNOscan there is no mechanical link to cause potential noise or breakage.

Alexander Paley, one of the finest pianists in the world. Shown here creating a QRS Performance Video using a PNOscan equipped piano.

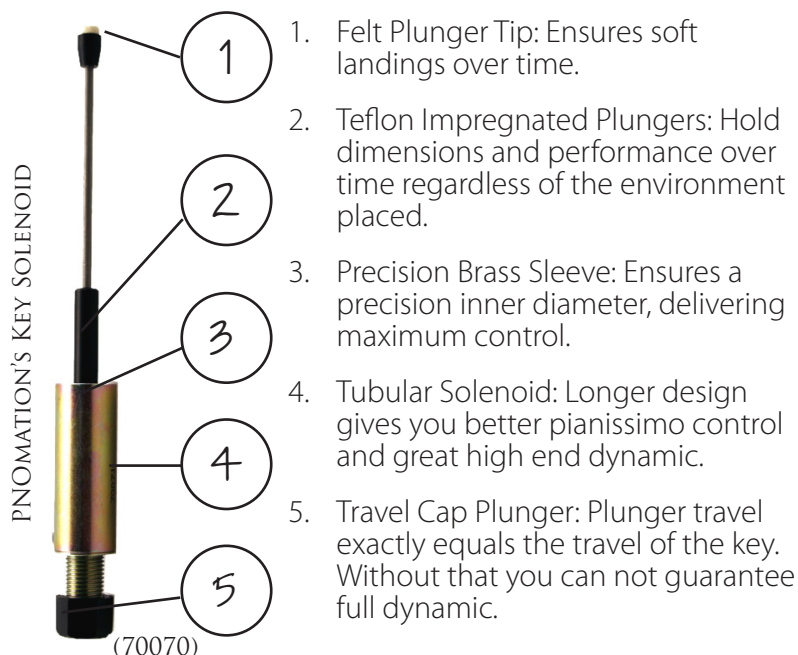
## PATENTED FILTERING

Unless you are able to filter out the noise from lights, smoke, radios and adjoining sensors, Optical sensors will be prone to hot notes and false triggers. QRS's patents speak to this capability - without it the setup of an optic sensor is too delicate a procedure to be reliable. PNOscan™ is by far the best product ever produced for recording or tracking a performance on an acoustic piano.





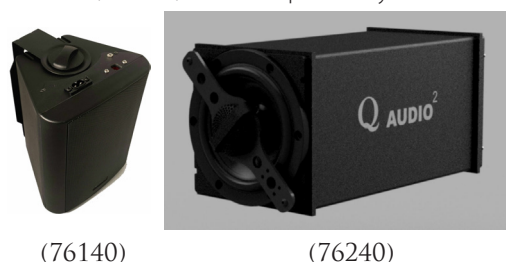
# QRS PNOMATION SOLENOID RAIL (81500B)



PNOMation Processor with  
Wi-Fi and Bluetooth



Q35 or Q36 Piano Speaker Systems



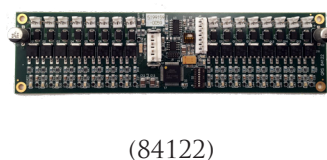
PLx\_mv - Pin Light Port Extender  
with Volume/Enter



PNOMation Power  
Supply



PNOMation Solenoid  
Smart Driver Board



PNOMation Sustain  
Pedal Solenoid



Legacy Driver Board  
Adapter



Smooth Roller  
Sustain Trap Work



PLx- Pin Light Port  
Extender



PNOMation Processor  
Magnetic mounting  
bracket



Fall board Slow Close





# SERVICES AND ACCESSORIES THAT MATTER



PNOSCAN  
(79317C)



THE QRS-CONNECTOR  
(84000)



PNOMATION OT  
PORTABLE PLAYER  
(83500)



PNOMATION  
UPGRADE KIT

ADD PNOMATION FEATURES  
TO ANY OF THE FOLLOWING  
SYSTEMS:  
QRS, Disklavier®, PianoDisc®,  
Concertmaster®, LX®, MIDI In

83525 - Legacy QRS Player Upgrade Kit  
83529 - MIDI Upgrade Kit



PNOTOUCH  
(83325)



Vending  
Options

NFC: (19000)  
Coin: (18001)  
Bill: (38114)

IR remote



(75399)

(71398)

PNObar adjustable height, weight  
bearing mounting brackets



(7 per kit)  
(241665)

PNObar LED/USB  
lighting Pods (241664)



PNObar comes in three or  
four sections (242010)



Template for floor layout and  
PNObar measuring



(241661)

Acrylic Key Cover



(56700)

Factory Installations

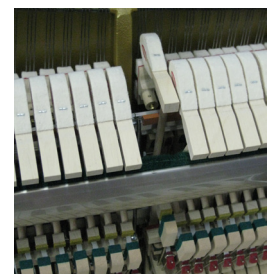


Q-Sync Media Player  
Coming Soon



TBD

KeyStop Rail for  
Silent Practice.



(56066 UPRIGHT  
56064 - GRAND)





@qrstech



@qrsmusic

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