

PNOMation II

User Guide & Upgrade Instructions

Driver V5.53j
Manual Revision: September 9, 2015



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Complimentary Songs & Warranty

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Introduction to PNOmation II "PMII"

PLx "Pin-Light Extension" Box - Used to check the status of the system.

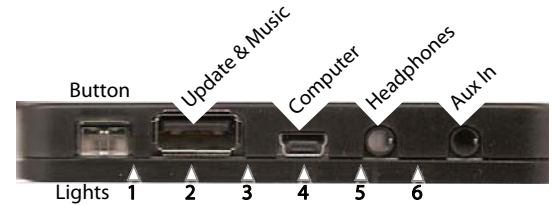
The box should be located under the piano near the edge for easy visibility.
The lights will give you important information about the system.
Use the button to Power ON, from "Standby", and to Start and Stop Play.
The four jacks "Extend" the PMII ports for easy access.

Large USB - **Update PMII & External Music Access.**

Small USB - Record to **Computer**, on pianos with optional record feature.

1/8" Stereo Jack - From Audio #1 - **Aux In**: External Music Access.

1/8" Stereo Jack - From Audio #4 - **Headphones**



Connection Mode - All systems are shipped in Stand Alone Mode.

Stand Alone - No connection to the Internet. *Connect using 192.168.1.1*

Wirelessly connect to QRSPNO####

During the trial periods, Sync Along songs play for only 90 seconds.

PM II delivers the IP address of 192.168.1.1

Use Only the Google Chrome, Safari or Android web browsers.

In Stand Alone mode the third PLx light is green.



Network - Connection to the Internet, the *Preferred operating mode*. *Connect using qrspno.local*

PMII is connected to the home network.

PM II is programmed to get an IP Address from the home router.

In Network mode the third PLx light is yellow.



Network Mode Advantages:

The Wi-Fi control device, iPad, can be connected to the home network and still control PMII.

The PMII **Driver** Version AND the **Music** Card are **Automatically Updated** over the network.

The Sync Along series music will play the entire song during the Customer Trial period.

Voice Prompts

Button & IR Remote Control Sensor

Important information, via voice prompts, can be heard from the speaker.

Driver Version #, IP address, Update progress and remote control commands.

If the first PLx light is yellow, press the PLx button once so the first light is green.

To test, press any one of the numbered buttons on the QRS remote control.

The 6th light will flash Yellow when voice prompts are sent.



Trial Activation: 90 Day Access to the Music Library

Don't forget to create an account to receive your 90 day access to the entire QRS music library.

Connect to the piano, not the QRS website, and go to System Setup / Trial Activation.

Press the green Customer Activation button, fill out the form and then press the Save button.

PMII **MUST** be in **Network Mode** for Full Access (playback longer than 90 seconds) to the **Sync Along** Library

Purchasing Music

We suggest that you create at least one Playlist during the 90 day trial period. Add songs and albums that you may want to purchase to the playlist. When the trial period expires, and you only see the Complimentary songs, the music that you saved will still be grouped in the playlist. Then, you can purchase the playlist instead of searching for the music again.

Check for PMII updates

For best performance please keep your PMII system updated to the latest Software Driver Version. Connect to your piano and go to Information / System for your current version.

Download the latest update from - http://qrsmusic.com/support_pmii.asp

User Guide

Wirelessly Connect to PMII and Power ON [Stand Alone Mode]

Check the status of the system by looking at the lights on the PLx box.

If all of the lights are off, the power is probably disconnected

Plug the AC power cord into a wall outlet.



When the piano is plugged into the AC wall outlet...

The lights will scan while the operating system loads and the music is indexed.



Stand By - #1 light is yellow.

No power to move the keys and the speaker is off.

Low Voltage Power - #2 light must be green for the system to operate.

If it's yellow the system has shut down and you must recycle the power.



Stand Alone Mode- #3 light is green.

All units are shipped from the QRS factory in "Stand Alone" mode.

If #3 light is yellow, and the #2 is green, the system is in Network Mode use a QRS remote to change to Stand-Alone.

Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green.

Press SHIFT INFO to confirm the 192.168.1.1 address.



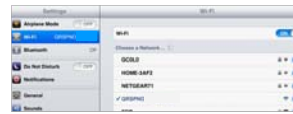
Connecting into PMII - Two Steps

Wirelessly connect your device to the piano's Wi-Fi Adapter.

iPod Touch / iPhone / iPad

Go to Settings / Wi-Fi

Select "QRSPNO ####"



Computer [Windows 7 example shown]

Click on your Wireless Network Connection Icon.

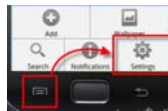
Select "QRSPNO ####"



Android

Go to Settings / Wireless Networks / Wi-Fi

Connect to "QRSPNO ####"

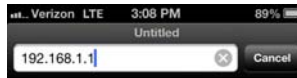


Enter 192.168.1.1 in the address box of your browser window and then, refresh the browser.



iPod Touch / iPhone / iPad

Safari

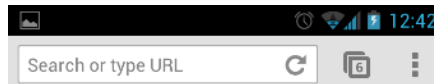


Computer

Use Google Chrome



Android



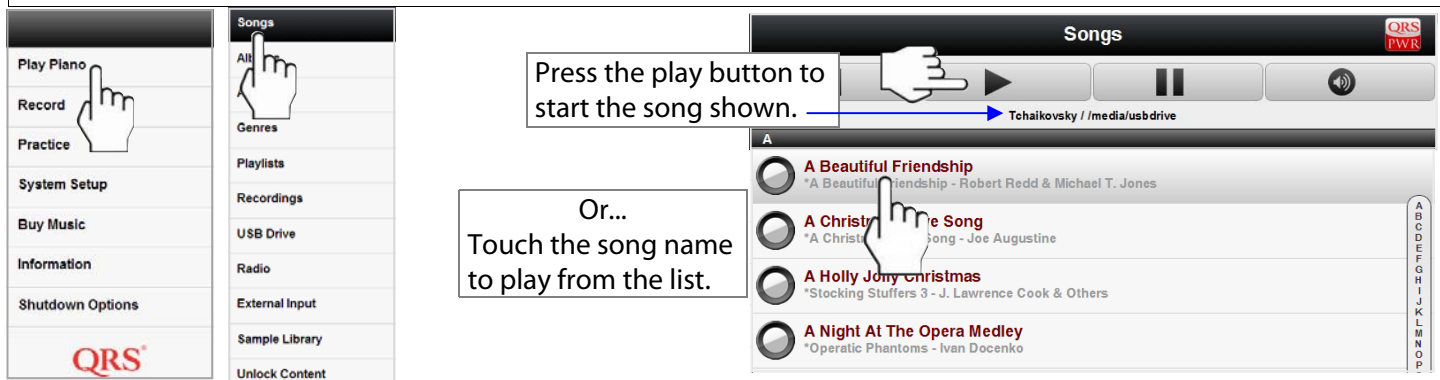
Press the "Power ON" button.

For better performance, we suggest that you switch to Network Mode.

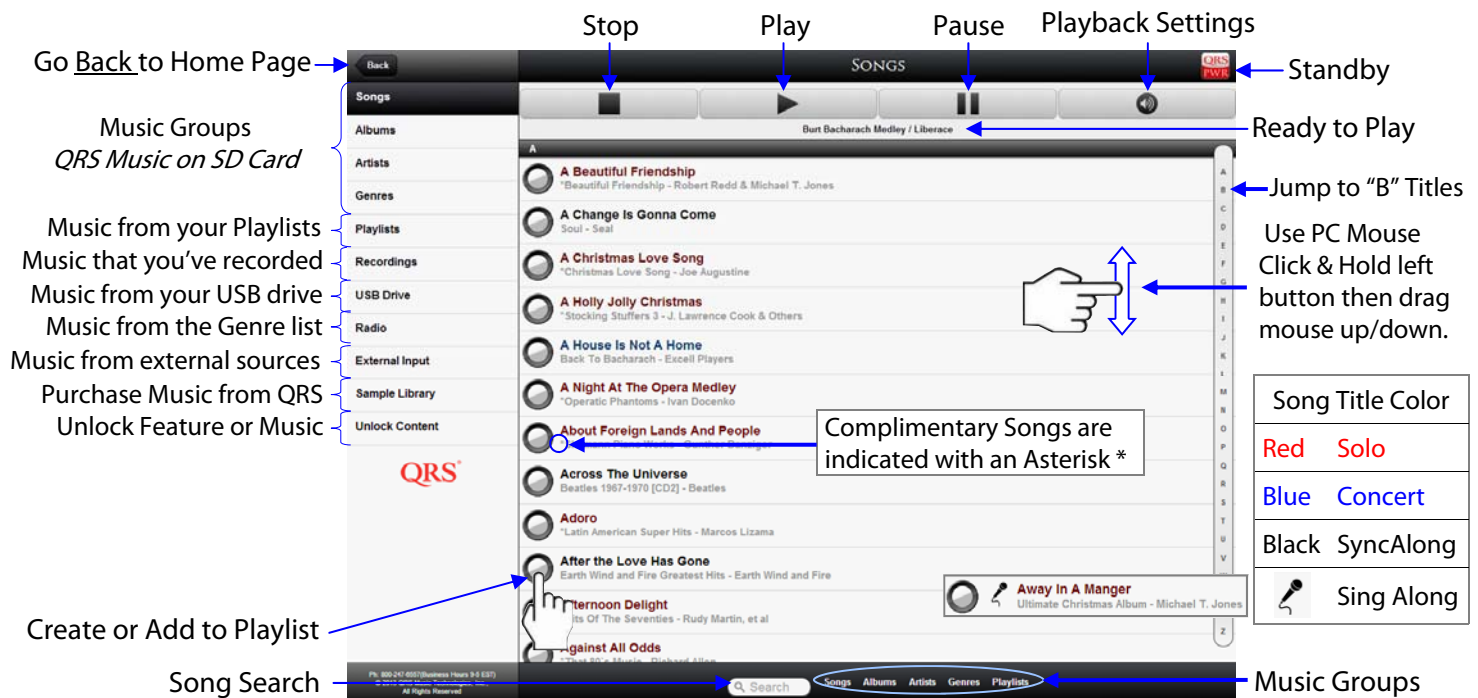


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Play Piano

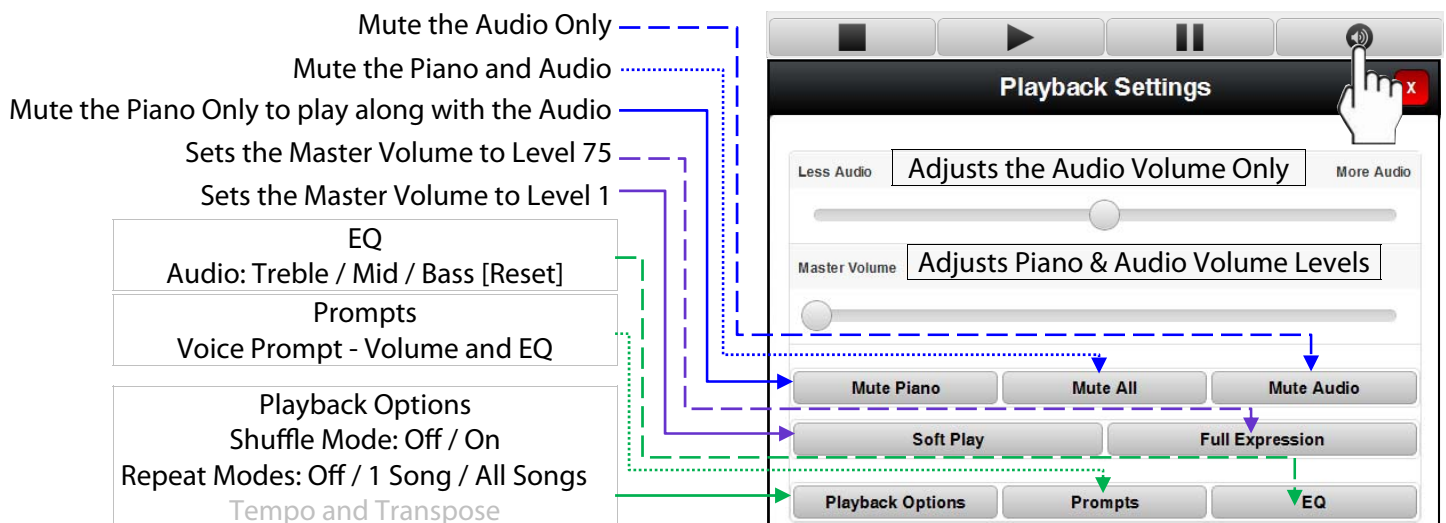


Notice the song in the list below with an **Asterisk *** in the second line of the title.
This is a sample of a **Complimentary Song** that you receive with the purchase of the system. [318 songs]
Go to the Trial Activation section of the manual to learn how to release the entire QRS Library for 90 days.



Playback Settings

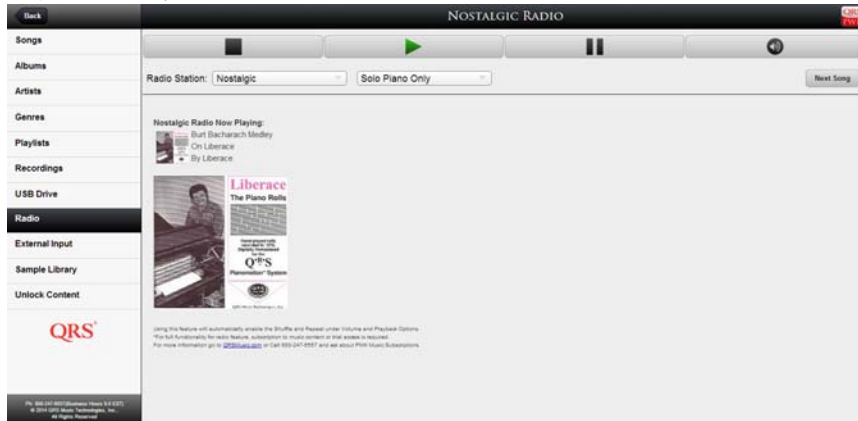
To adjust volume levels, press the "Speaker" icon to open the "Playback Settings" page.



User Guide

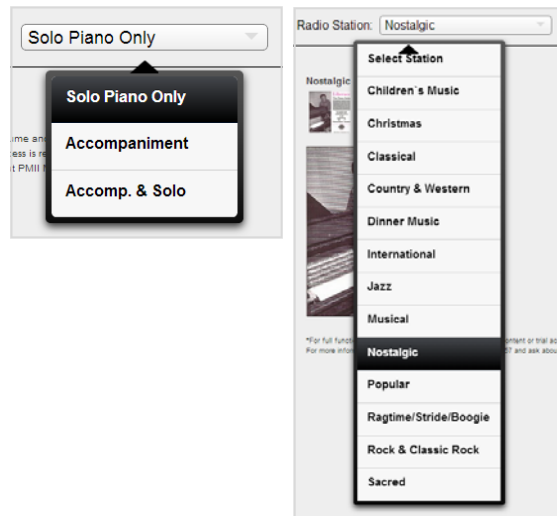
Radio Station

Use the "Radio" mode to play songs from any Genre.
Select Play Piano / Radio.



*For full functionality of the radio feature, a music subscription or trial access is required.
For more information, go to QRSMusic.com or call 800-247-6557 and ask about PMII Music Subscriptions.

Select the music type; Solo, Accompaniment or both.
Select a Genre.
Shuffle Mode will turn ON.
The first song will begin to play.



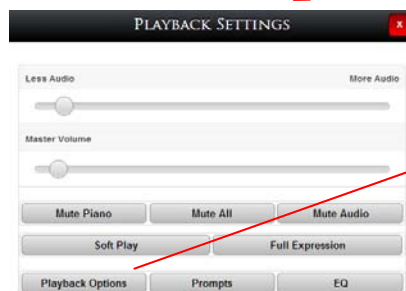
Notice the "Next Song" button.

Press the Speaker Icon to open the "Playback Settings" window.
Press "Playback Options" to change Shuffle or Repeat Modes.

Speaker icon to Playback Settings



Next Song



User Guide

System Information

Go to Information / System to view the current "Software Driver" version.

PMII Serial Number - Required to Release Music

Software Driver Version

10 pin PNOscan - QRS Record System
Numbers above zero indicate a record sensor strip is attached. *There is only one strip attached to this PMII*

Last Key Adjust (Align) Date

Updating the Software Driver "Operating System" [OS Update]

Check the QRS website for the latest updates:

http://www.qrsmusic.com/support_pmii.asp

There are two update "Patches" on the website:

System, Media and Database

QRS MUSIC

SOFTWARE UPGRADES - SOFTWARE UPDATES/MANUALS

Updates for PNOmation II:

Media System Revision 13 - July 21st, 2014

Database System Revision 4 - July 14th, 2014

System Patch 5.53 - August 11th, 2014

Go to the OS Update page to check your current patches and to view the update progress.

Current Software

If ON, updates will be applied automatically.

Updates may be applied manually.

The Last Patches applied to PMII are here.
Compare the dates, they should those on the QRS website.

If newer Patches are available, copy them both to a USB memory stick.

Don't unzip or rename the files!

Plug the USB memory stick in the USB port on the PLx box.

The update procedure is automatic;

Once the system is running Software Driver Version...

V5.00 or higher...

AND

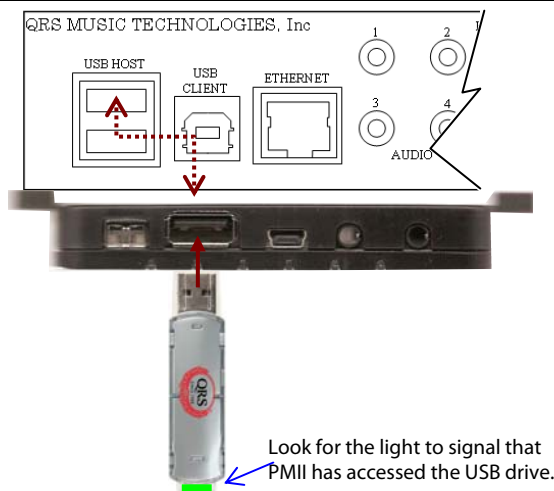
PMII is in Network Mode...

The following are updated automatically in the early AM:

Software "Driver Version" Updates

New Music is added to your library

Purchased Music is Released



Go to "Shutdown Options" and select "Reboot", wait for system to reboot and reconnect.

Go back to the "OS Update" page and verify that the system updated to the latest patches.

Remove the USB memory stick.

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Network Settings

Please update PMII to the latest Software Driver Version before switching modes.

See the “Updating the Software Driver “Operating System” [OS Update]” section of this manual for details.

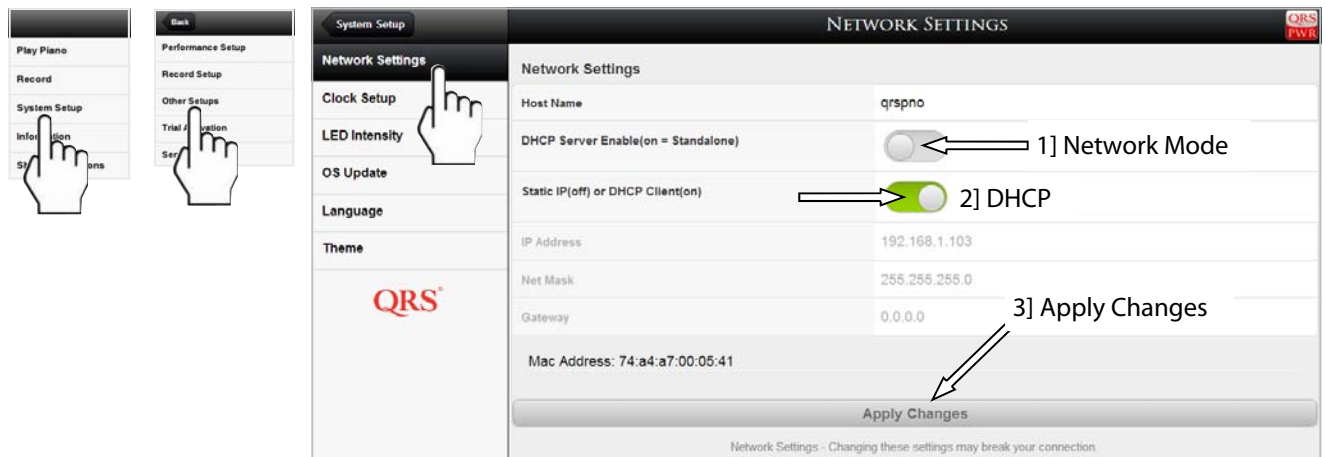
PMII systems are shipped from the factory in “Stand-Alone” mode with the IP address of 192.168.1.1

We suggest connecting PMII to your home network. This will allow you to control PMII from any device on your network, make purchasing music easier and your system will receive automatic software and music updates. You can either connect a cable from PMII to your network or reprogram the pianos Wi-Fi device to communicate to your home network.

See the *Wi-Fi Configuration* section for details.

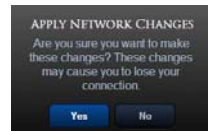
To use PMII with your home router with a connection to the Internet:

- 1 Set-up PMII in Network mode by sliding the “DHCP Server Enabled (Standalone)” button to the left.
You can also use a QRS remote to make this change. See the Wi-Fi Configuration section.
- 2 Keep the DHCP Client (on) button to the right.



Press the “Apply Changes” button and “Yes” to confirm.

- 3 The 3rd PLx light should turn yellow.
You will loose your connection to PMII.



Connect an Ethernet cable from PMII to your home router “network” or...

- 4 ...reset the piano’s Wi-Fi device to communicate with your home router.
See the Wi-Fi Configuration section for details.

- 5 To connect to the PMII player system; open your Safari, Google Chrome or Android web browser and enter the following in the address bar: **qrspno.local**

If you can’t connect to the PMII player system through your home router, switch back to Stand-Along mode.
See the “Wi-Fi Configuration section of this manual.

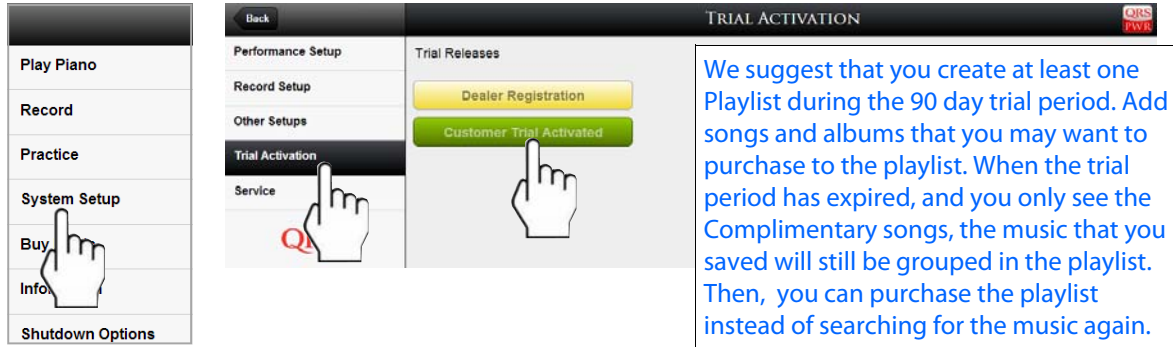
User Guide

Trial Activation / My Account

With the purchase of a QRS PNOMation II system or one of the QRS PMII Upgrade kits you will receive full access to the entire QRS Music Library for 90 days. The trial period begins after you complete the Trial Activation Form.
PMII MUST be in Network Mode for full access to the Sync Along Library.

When the 90 day trial period expires you will have full access to the 318 complimentary songs.
See the Complimentary Song list in the back of this manual.
To purchase additional music after the trial period see the Purchasing Music section of this manual.

Go to System Setup / Trial Activation and press the "Customer Activation" button.



Complete the Trial Activation form, then click "Save & Yes" to activate your 90 access to the entire QRS Music Library.

Account Info

First Name: _____ Last Name: _____

Email Address: _____

Shipping Address

Address 1: _____ Address 2: _____

City: _____ State: _____ Zip: _____

Country: United States Daytime Phone: _____

Network Connected with Internet

Save

Standalone Connection Mode - This is the default mode of operation for the PNOMation II system. Your system can not connect to the internet directly for updates, sending order information, or registration information.

Internet Connected Network Mode - This system is connected to a home network which has the Internet. Network Mode is the preferred operating mode as it can send order, registration, and update requests directly through the internet. QRS will email a 3 digit release key and an optional release key to put on a USB stick or sent through mail on a USB stick (Orders are processed between 8-5PM EST)

Confirm

Are you sure you want to start the customer trial time? This will take about 30 seconds to re-index your music.

Yes No

Select the QRS/PWR Power Options button to view the number of trial days remaining.



User Guide

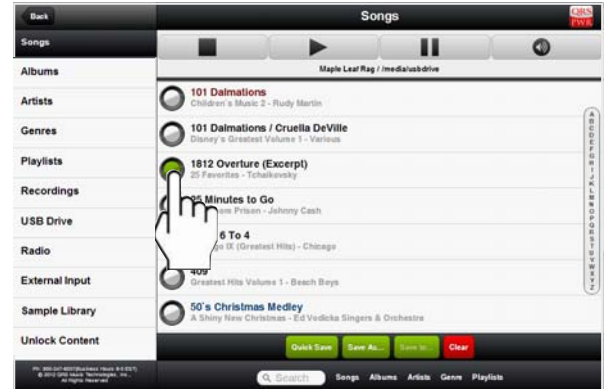
Playlists

Create a Playlist:

To create a playlist just touch the gray circle next to the song title. *The circle turns green.*

You may continue to select songs for the playlist or...

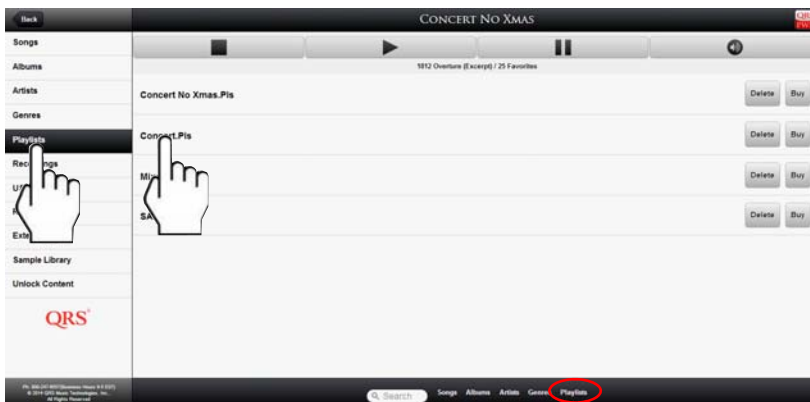
- 1 Press **"Quick Save"** to save you current selections with the default name (Playlist_#.Pls).
- 2 Press **"Save As..."** to save your playlist with the name you choose.
- 3 Press **"Save To..."** to save the song to an existing playlist.
- 4 Press the **"Clear"** button, before saving, to uncheck all of your current selections.



Play songs from a Playlist:

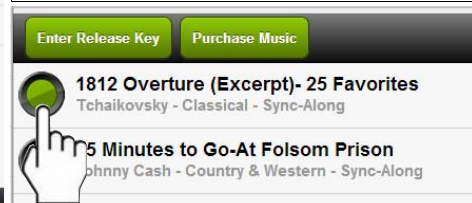
Press "Playlist" in the left or at the bottom of the page.

Open a playlist by touching the playlist name and make your song selection from the list.



To Remove a song from the playlist.

Press the green circle next to the song and Save.



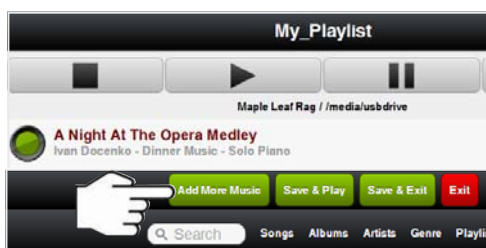
To Purchase Music from the playlist

See "Purchasing and Releasing Music"

Add songs to an existing Playlist:

Open a playlist and select Add More Music"

Make you music selection and press the "Quick Save" button.



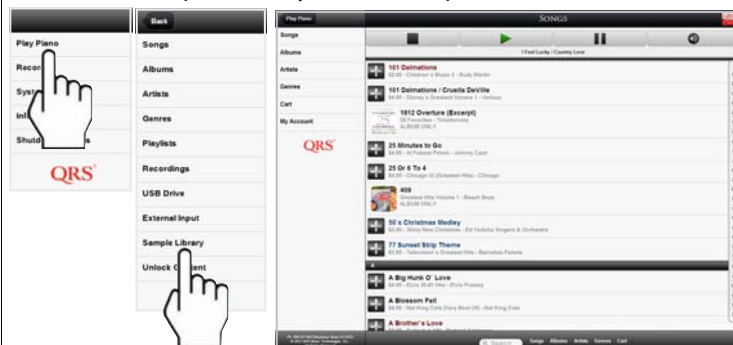
User Guide

Purchasing and Releasing Music...

STOP PNOMation before attempting to purchase or releasing music.

Selecting Music to Purchase From The Sample Library

Go to the Sample Library section to purchase more music.

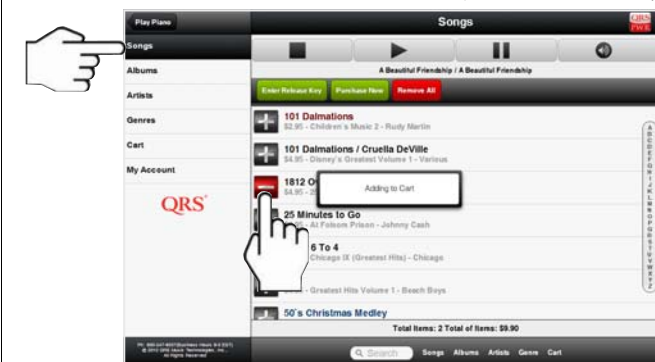


The plus signs next to the song titles indicate that you are in the sample library section.

Some selections are "ALBUM ONLY"

Selecting Individual Songs from the Entire List

Selecting "Songs" will allow you to select from the entire QRS library. Search or Scroll to find your song. Pressing the "+" next to a **Song** title will add that song to the cart. Select as many songs as you wish. See below to add an entire album or go to the cart if you are finished.



Press the "-" sign to remove that song from the Cart or press the "Remove All" button to remove ALL selected songs from the Cart.

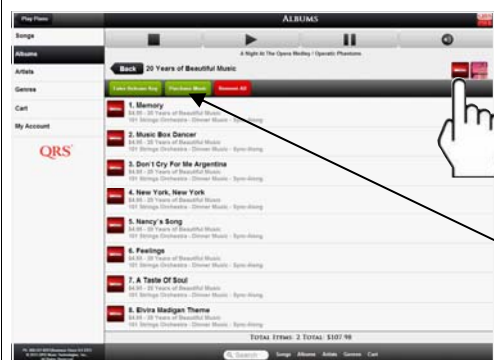
Selecting an Entire Album or Songs from Specific Albums

When selecting Albums, Artists or Genres you must "drill-down" into an album that you wish to purchase. First, go to Albums, Artists or Genres and find your album. Second, select the album to view the songs on that album.



You can select individual songs from that album, as above or...

Press the "+" next to the image of **Album** at the upper right corner of the page.



Some selections are "ALBUM ONLY"

Instead of going to the Cart, you can just press the "Purchase Music" button to email your order. The steps are the same as the instructions that follow on the next page.

When you have finished with your selections, go to the **Cart**.

User Guide

...Purchasing and Releasing Music...

Ordering Music From the Cart

You must establish a QRS account with a valid Email address and Credit Card number for order processing.

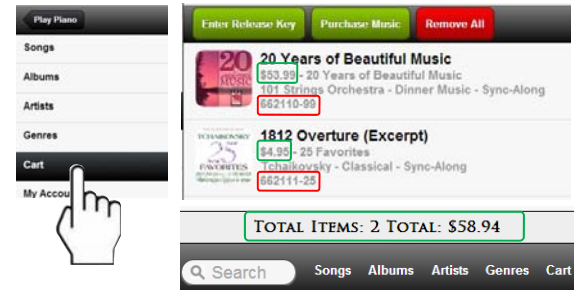
Go to the cart and check your order.

Notice the individual Song or Album Price in the list and the total for the cart at the bottom of the screen.

Notice the QRS Catalog - Track Numbers

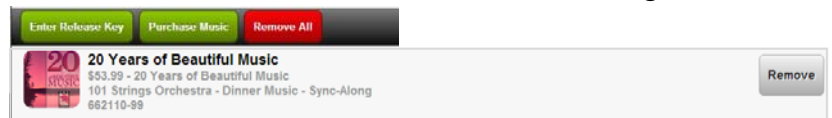
662110-99 [662100 = the album # and 99 indicates All Tracks]

662111-25 [Only Track #25 for album 662111]



Remove a Song or Album from the Cart

Select "Remove All" to delete the entire Cart or press the "Remove" button next to the individual Song or Album.



Place Order [Directly from PMII or By Calling QRS Music]

Press the Purchase Music from the Cart to open the Purchase Music screen.

If you're controlling PMII with a device that has an **Email account** then Press the "Place Order" button. This will place the order in your Outbox.

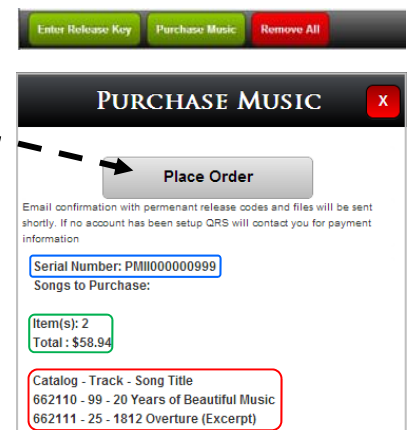
If PMII is in Network Mode the Email will be sent to QRS immediately.

If PMII is in Stand Alone Mode the Email will be sent to QRS the next time your device is connected to your home network and the Internet.

To order by phone: Call 800-247-6557 with these Numbers:

Serial Number: PMII followed by 8-10 digits.

The Catalog-Track Numbers



DO NOT change your Cart after placing the order!

Releasing Purchased Music from the Cart

You will receive a "Release Key" number via Email once your order is processed at QRS. Usually within 48 hours.

Go to Play Piano / Sample Library / Cart

Press the "Enter Release Key" button.

Touch the "Enter Key" box to open your keypad.

Enter the 3 digit code you received from QRS.

Press the "Release Music" button.

The music will be added to your Play Piano lists.



Purchasing Music From a Playlist

You can purchase and release Playlists.

Follow the instructions use to purchase and release music from the Cart.



User Guide

...Purchasing and Releasing Music

For smaller “phone” orders, ALBUMS ONLY, called in to QRS it is easier to use the Unlock Content page to release the music. After QRS processes your order you will receive an email or phone call with the “Release Key” needed to unlock the music from your order.

Unlock Content

Unlocks Albums; QRS Music Packages and Special Features.

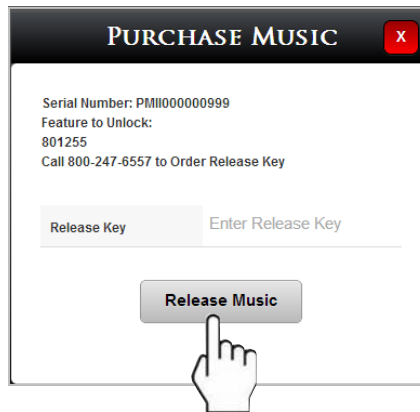
Go To: Play Piano / Unlock Content...



Enter the Catalog # “Enter Number Here”
Press the “Enter Code” button...

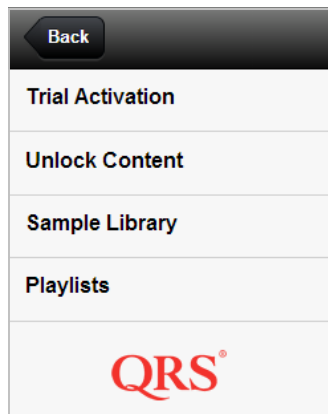
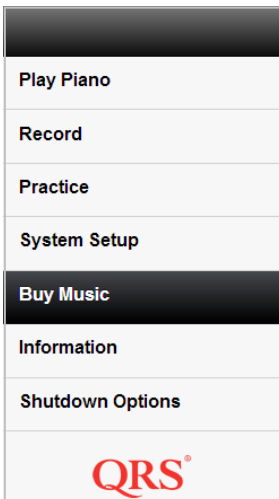
Enter the Release Key “Enter Release Key”
Press the “Release Music” Button.

Released music will be added to your song list.



Buy Music

Select “Buy Music” for shortcuts to activate, purchase or unlock music.



User Guide

Shutdown Options

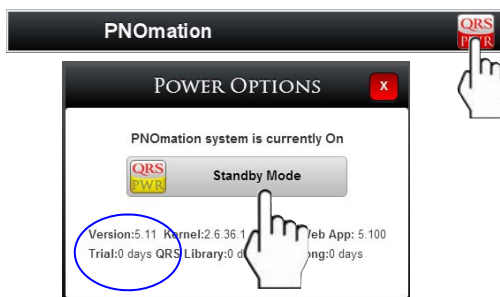
Go to "Shutdown Options"



First light is green and PNOmation is ready

"Standby" - Shuts off power to the key solenoids but keeps the processor running. When you finished for the day go to Standby Mode.

You can also select the "QRS/PWR icon"



First light is yellow and PNOmation is sleeping

Notice Version Number & Remaining Trial Days

"Reboot" - Restarts the system in case the unit does not respond to commands. Sometimes a reboot is required after a Music Release or System Update.



Scanning lights

"Shutdown" - Shuts OFF the system for a move or when the unit won't be used for a while. To restart after a shutdown the piano must be disconnected and then reconnected to AC power.

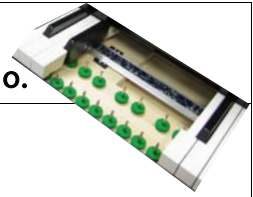


All lights Off

User Guide

Record a Song

The QRS PNOscan other record system must be installed on the piano.

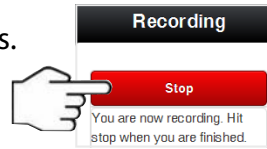


Select the Record option.
Press the Red Record button.



Begin playing the piano when the "Recording" box appears.

Press the "Stop" button when you are finished recording.



A new song will appear in the Record window.
Press the newly created file to play.



Record Settings

Stop **Play** **Record**

Master volume sets to 50 (75%) when the Record button is pressed.

Delete Recording

Opens up the recording in certain music software programs if PMII is connected to a computer via the USB Client port.

With the "Event Trigger" ON, recording begins when the first key is pressed.

Playback Settings

Less Audio More Audio

Master Volume

Mute Piano Mute All Mute Audio

Soft Play Full Expression

Playback Options Prompts EQ

Open Recording

Filename: 2012_07_10_000

Metronome

Tempo (Beats Per Minute) 120

Measures to Count In (Set to 0 for no count in) 0

Event Trigger ☒ Metronome Enable ☐

MIDI Settings

Record Source

PNOscan ☒

MIDI Port (5 Pin) ☒

USB MIDI ☒

Tempo

Transpose

PNOscan to 5-Pin MIDI ☐

PNOscan to USB MIDI ☐

SAVE RECORDING

Autosave (When disabled you will see save name options.)

User Name

Password

Login

www.pnocloud.com Login

SAVE RECORDING

Autosave (When disabled you will see save name options.)

Recording Name

My Recording

Save to Internal

Autosave ON:
Auto-saves with date_# title.

Autosave OFF:
After recording. Press "Save to Internal" to save song as "My Recording". Change to any name. Will overwrite current recording with same name.

Record Source - Select which port you are recording from:

PNOscan	The QRS PNOscan sensor strip under the piano keys.
MIDI Port	A MIDI device connected to the 5-Pin MIDI IN port.
USB MIDI	A computer w/software connected to the USB Client port.

Turn OFF to keep PNOscan key information from exiting the 5-Pin MIDI OUT socket. Eliminates "Looping".

User Guide

Practice

The QRS PNOscan or other record system must be installed on the piano.
The QRS "Stop Rail" must be installed for the Silent Practice to be effective.
Headphones are required to "Practice in Silence"

The Stop Rail stops the piano hammers from striking the strings.



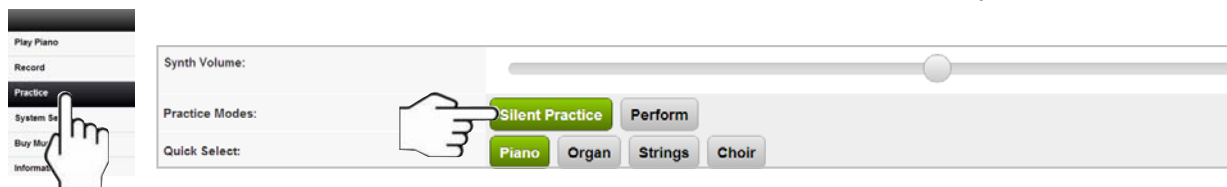
Pull Lever to Engage the QRS Stop Rail to silence the acoustic piano.



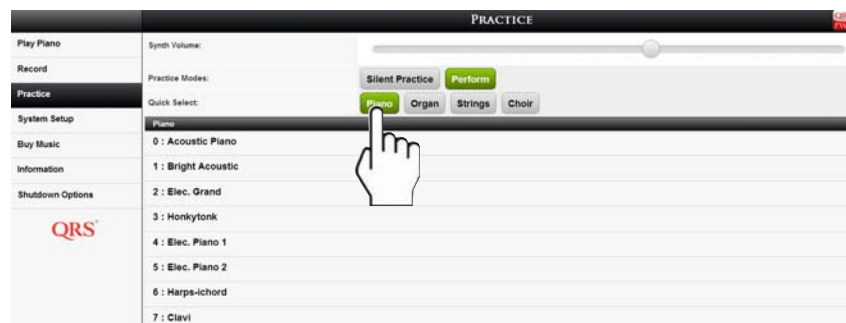
Plug Headphones to the PLx box.



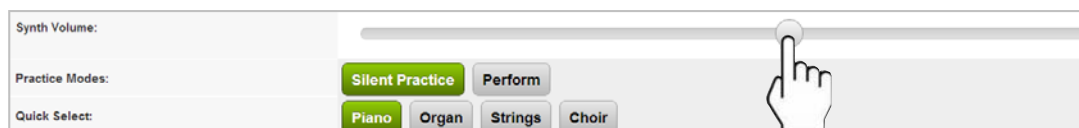
Select the "Practice" and then "Silent Practice". *Silent Practice Mutes the Speakers.*



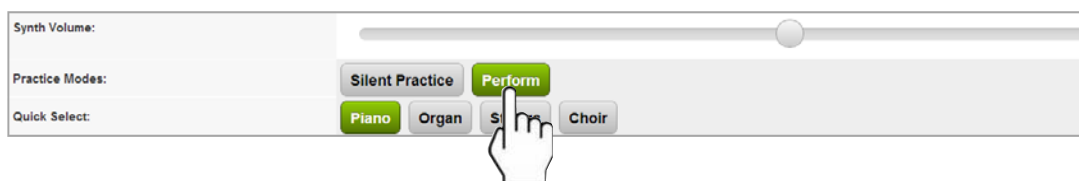
Select the Piano sound, or any other "Synth" sound in the list.



The sound that you chose will be heard through the headphones as you play the piano.
Adjust the "Synth Volume" if necessary.



Select "Perform" to hear the "Synth" sound through the piano speaker instead of the headphones.



User Guide

PNOcloud		Saves your recordings to the Internet, access from anywhere Requires a record system and PMII in Network Mode
Setup		Create:
1 Select "Record" from the PMII Menu		1 Select "Record" from the Record Menu
2 Select the "Floppy Disc" Icon		2 Select "Record" and Play
3 Select "Create or View PNOcloud" account link		3 Select "Stop" when finished recording
4 Select "Sign Up"		4 Select the "Floppy Disc" Icon and Log In
5 Fill out the form...		5 Select the PNOcloud button that appears
...or just go to www.pnocloud.com directly		6 Select "OK" at the confirmation window
		7 Log In to PNOcloud to play the file from PC



Save Recording

Autosave (When disabled you will see save name options.)
☐

PNOcloud Login:

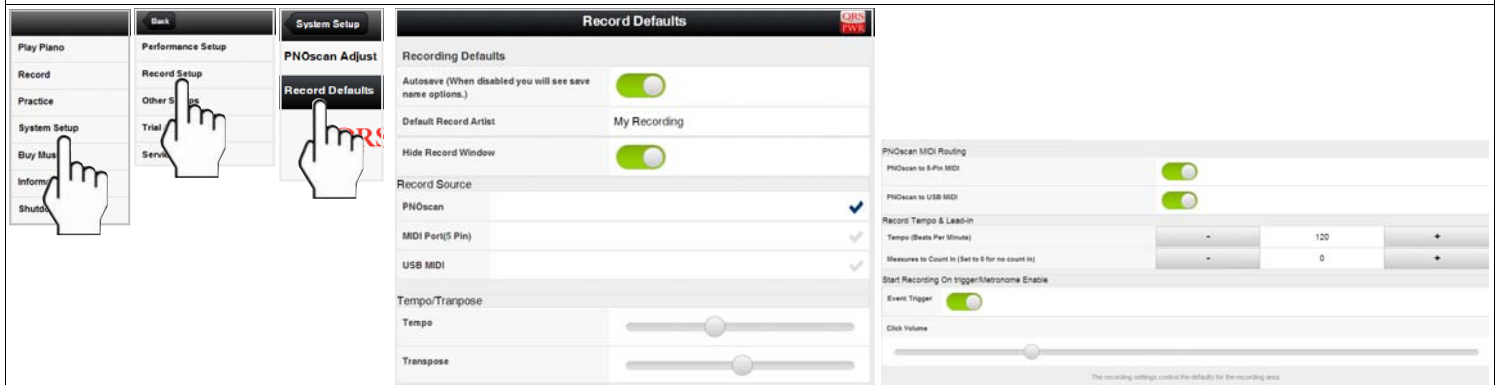
User Name

Password

Login

Create or View Your Cloud Account at PNOcloud.com

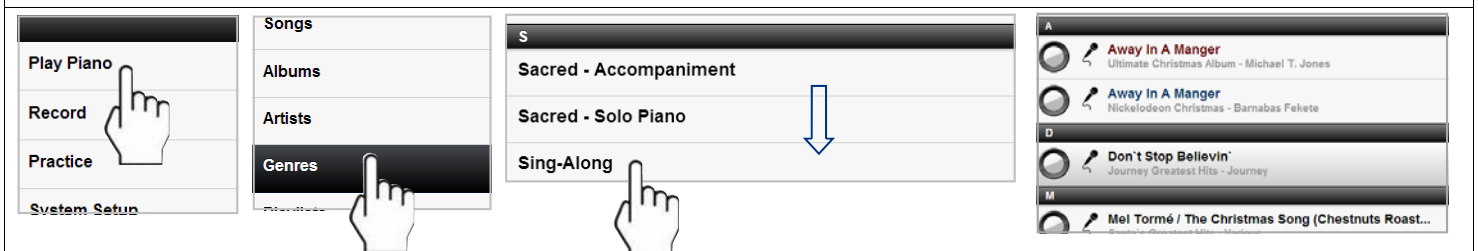
Record Defaults



Auto Save:	The recorded song is named automatically when saved.
Default Record Artist:	The user names the song when saved.
Hide Record Window:	Hides the Record option for PMII systems without the record hardware.
Source/PNOscan:	Select to record, to PMII, from the QRS PNOscan II record strip.
Source/MIDI Port(5-Pin):	Select to record, to PMII, from a MIDI device connected to the 5-Pin MIDI IN port.
Source/USB MIDI:	Select to record, to PMII, from a computer connected to the USB Client port.
Tempo:	Change the tempo of the recorded song.
Transpose:	Transpose the "Key Signature" of a recorded song.
Routing/PNOscan to 5-Pin MIDI:	The MIDI data from the QRS PNOscan II record strip is also sent to the 5-Pin MIDI Out port.
Routing/PNOscan to USB MIDI:	The MIDI data from the QRS PNOscan II record strip is also sent to the USB Client port.
Record Tempo & Lead-in:	Record tempo (Beats Per Minute)
Measures to Count In (0 =no count in :	Empty measures counted before recording begins when Event Trigger is Off.
Event Trigger:	Recording does not begin until a key is pressed.
Metronome Enable:	An audible Click-Track is heard through the speakers.
Click Volume:	Sets the volume of the "Click-Track".

Sing-Along

Select Play Piano / Genre / Sing-Along to sing along with the music.

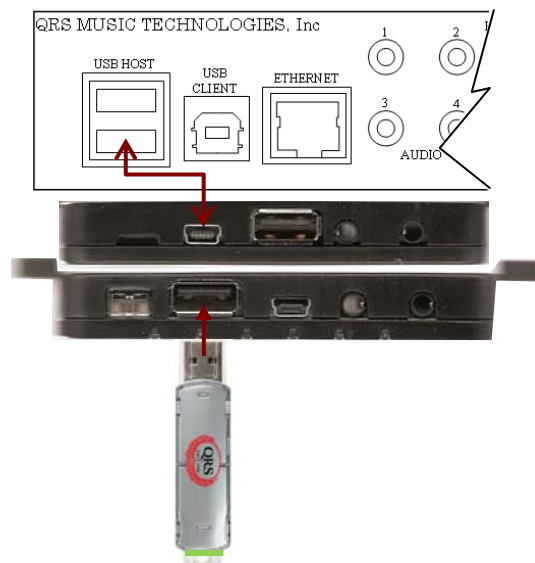


User Guide

USB Drive

Play MIDI or MP3 files from a USB Drive.

When a USB drive, with MIDI or MP3, is plugged into the USB port the source will change to USB Drive.



External Inputs

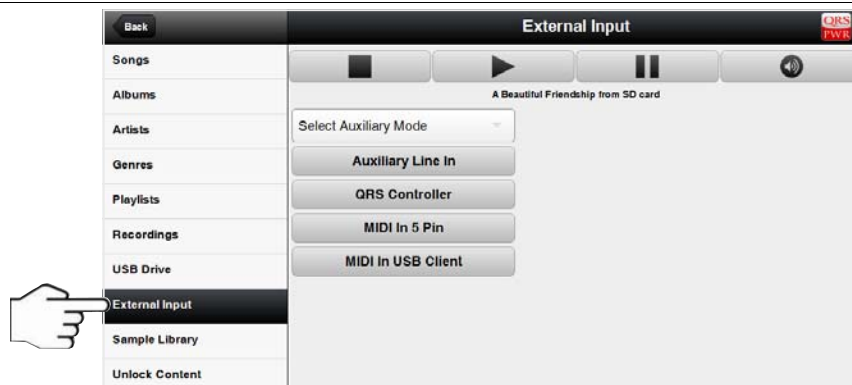
Press External Input to play from one of the four external source options.

AUX Line In: Connect Qsync, your MP3 or CD player to the Audio jack #1.

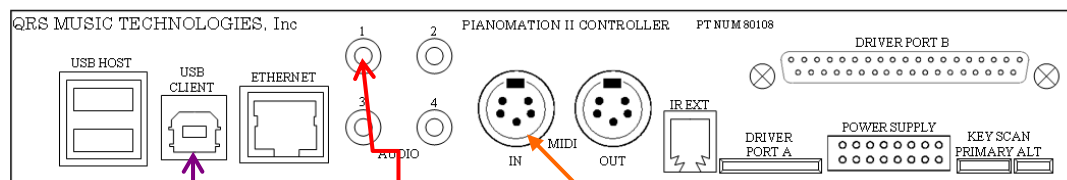
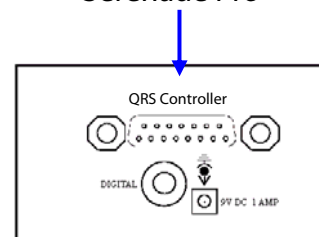
QRS Controller: Connect your Ancho or Petine to the "QRS Controller" socket on the PMII chassis.

MIDI In 5-Pin: Connect your Record System, Qsync or other MIDI device to the MIDI In port of PMII.

MIDI In USB Client: Connect your Computer with MIDI software to the USB Client port of PMII.



QRS Cntrrollers:
CD2000
Petine
Ancho
Chili
Serenade Pro



MIDI In 5-Pin

[Connect to Record System, Qsync or other MIDI device]

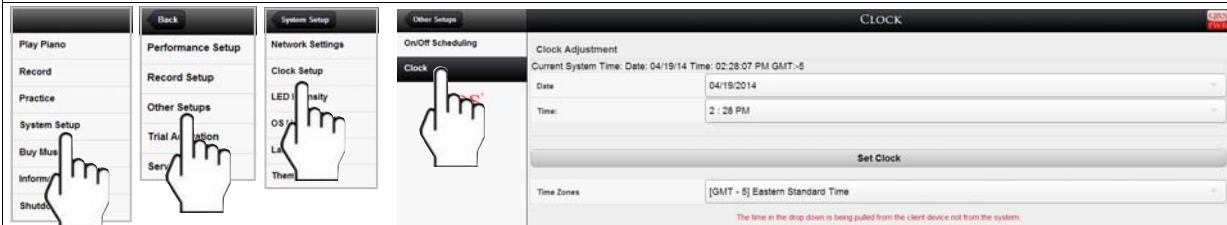
AUX In [Connect to external Qsync, CD or MP3 player]

MIDI In USB Client [Connect to computer]

User Guide

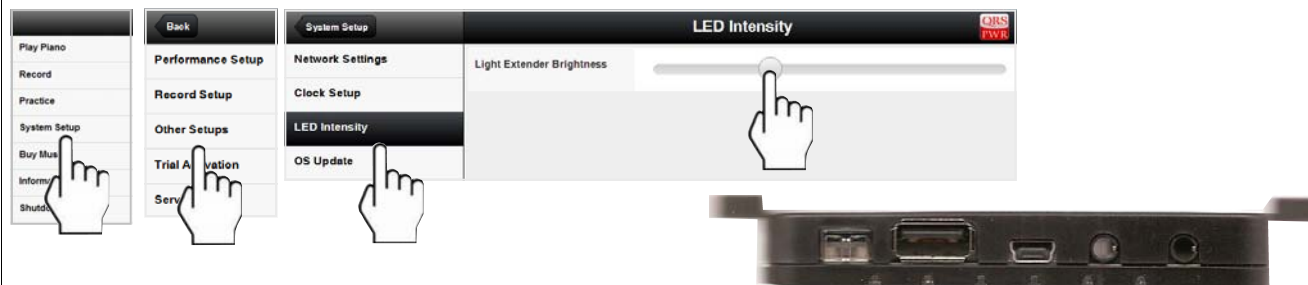
Clock

Setting the Clock



PLx Light Intensity

LED Intensity: Controls the intensity of the lights in the Pin-Light Extension (PLx) box.



Language

Select a language for the Menu and Voice Prompts:

Menu choices: English, Simplified Chinese, Dutch or French

Voice Prompt Choices: English, Simplified Chinese, Dutch



User Guide

ON/OFF Scheduling

Schedule the piano to automatically play from a selected Playlist any day and time of the week.

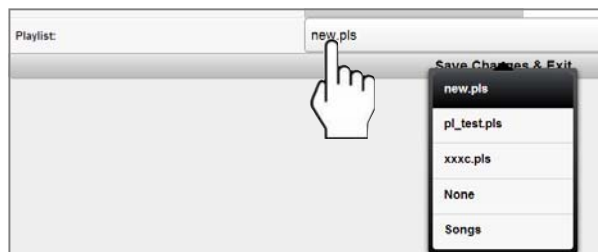
Go to ON/OFF Scheduling and select "Add New"



Select:
Start and End Times
Day of Week
Playlist or Songs

A screenshot of the 'Add New' screen for On/Off Scheduling. It has a 'Back' button at the top left. The form includes: 'Name:' with a text input field; 'Status:' with a toggle switch; 'Start Time:' with a time picker set to 7:00 PM; 'End Time:' with a time picker set to 9:15 AM; 'Day of Week:' with a dropdown menu set to Thursday; 'Audio:' with a volume slider set to 6; 'Master:' with a volume slider set to 29; and 'Playlist:' with a dropdown menu set to new.pls. At the bottom is a 'Save Changes & Exit' button.

Select a Playlist or Songs



Name the Scheduled Event

A screenshot of the 'Add New' screen. The 'Name:' field now contains 'new playlist Thursday 7-9:15 PM'. The other fields remain the same as in the previous screenshot.

Activate the Scheduled Event

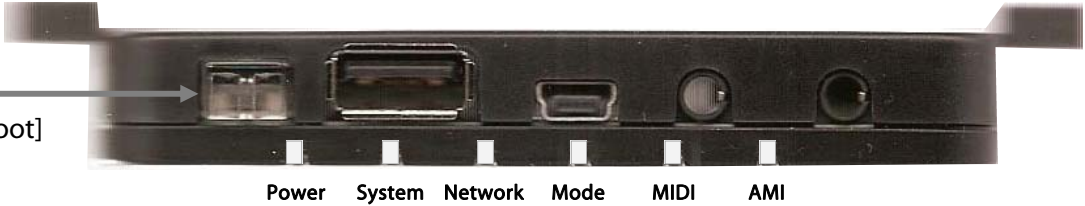
A screenshot of the 'Add New' screen. The 'Status:' toggle switch is now turned on (green). A hand icon is pointing at the toggle switch.

Save Changes & Exit



User Guide

Pin-Light Extension [PLx] Light Patterns

 PLx Button [Play/Pause/Standby/Reboot] and IR Remote Sensor Power System Network Mode MIDI AMI		
Power <i>Power to Solenoids</i>	Green	Solid: Power Supply's Hi Light is ON [Power to Solenoids and Speaker] Flashing: MIDI Data Detected - <i>Piano should be playing</i>
	Yellow	Solid: Standby: PMII=ON, "Hi" Power=OFF waiting for ON command
	Red	Solid: Key or Pedal Solenoid Over-Current Shut Down
System <i>Power to Electronics</i>	Green	Solid: Power Supply's "Lo" Power LED is ON, PLx initialized.
	Yellow	Blinks with QRS Remote Control Activity
Network	Green	Solid: Stand-Alone Mode [PMII delivers 192.168.1.1 IP Address]
	Yellow	Solid: Network Mode [PMII gets IP Address from Home Router]
	Red	Flashing - PMII is not getting an IP Address or not communicating with Wi-Fi
Mode Music Source	Green	Solid: SD Card or USB Drive [Active after song has been selected]
		1 Blink: No SD Card or USB Memory Drive Detected
		2 Blinks: Record Source [Active after song has been selected]
		3 Blinks: Test Files [Active after song has been selected]
	Yellow	1 Blink: External: Auxiliary Line In
		Solid: External: QRS Controller
		3 Blinks: External: MIDI IN 5-Pin
		2 Blinks: External: MIDI IN USB Client
MIDI MIDI Data to Solenoids	Green	Solid: Keyscan/Primary 10-pin connection to PNOscan II (Record) Flashing: MIDI traffic from record system
	Red	Solid: No Keyscan/Primary 10-pin connection to PNOscan II (Record) Flashing: 5-pin MIDI traffic
AMI	Green	Solid: Decoding MIDI Data
	Yellow	Solid: No MIDI Data detected Flashing: Audio pass-thru [Including Voice Prompts]

Pin-Light Extension [PLx] Button Functions

Play / Stop	When the 1st light is green... ...press to play the selected song. ...press again to stop playback.	
Standby	Press and Hold for about 8 seconds... ...yellow lights will scan left... ...release when just the 1st light is yellow.	
Reboot	Press and Hold for about 15 seconds... ...yellow lights will scan left then right ...release when the 1st three lights are yellow.	

User Guide

For most of you who use a wireless device, such as the iPad, to control PNOmation II the QRS Remote Control gets little use. The remote can be used to play the piano but, without a display it's impossible to pick a specific song from the extensive QRS Music Library. Although it could be used for systems without the built-in library of music. You could purchase individual albums on a USB memory drive and plug it into the USB port on the front of the piano. The system would announce "USB..." and you could press the Play button on the remote to play the album.

For systems in "Network Mode," there ARE a few reasons to have the remote:

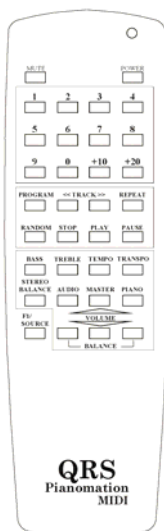
Press the buttons in sequence, do not hold.

Announce IP Address	SHIFT / 3
Set to Stand Alone Mode	SHIFT / FUNC / 9 / 9 / 0
Set to Network Mode	SHIFT / FUNC / 9 / 9 / 1



SD	Music Source
DEMO	Future Option
PWR	Power ON & Standby
USB	Music Source
MIDI IN	Music Source
P LIST	Future Option
AUD UP / DN	Audio Volume - Offset
MSTR UP / DN	Master Volume
PNO UP / DN	Piano Volume - Offset
Numbers 0-9	
ENTER	Future Option
◀◀	Previous Song
▶	Play Music
▶▶	Next Song
■	Stop Music
	Pause Music
REC	Record a Song

SHIFT	Press "SHIFT" and a button below.
RADIO	Future Option
TEST	Future Option
D OFF	Future Option
SPDIF	Future Option
AUX	Play Music from External Source at Audio Port #1
ALIGN	Key Calibration
SET	Future Option
A	Future Option
DYN	Future Option
MUTE AUD	Mute Audio
B	Future Option
MUTE PNO	Mute Piano
ADD	Future Option
COPY	Future Option
INFO	Current IP Address
STAT	Future Option
PSET	Future Option
RESET	Future Option
FUNC	Use with SHIFT & Number Buttons for Special Features
PGM	Future Option
RAND	Future Option
VOICE	Future Option
PRAC	Future Option



Old-Style Remote / Press the buttons in sequence, do not hold.

Announces IP Address	F1/Source / 9 / 9 / 2
Set to Stand Alone Mode	F1/Source / 9 / 9 / 0
Set to Network Mode	F1/Source / 9 / 9 / 1

PMII Upgrade Kit Installation Instructions

81525	PMII QRS Upgrade Kit	Package Contents
80108	PNOMation II Processor Assembly	
80108A	1	PMII Processor Only
990026	1	Cable: Speaker [1/8" stereo plug to two RCA]
70213	1	Cable [6" - RCA M Plug - 2 RCA F Jacks]
80109	2	Mounting brackets [New - Metal]
37322	4	Screws: Mounting
79226		SD Card with the QRS Music Library
80124	PLx - Pin-Light Port Extender Package	
8012406	1	PLx Unit: Lights, IR Sensor; Stereo & USB Ports; Microphone; Button
50126	2	Cable: USB A Male to USB 5-Pin Mini B [1 for computer connection to PMII]
50128	2	Cable: Audio [1/8" Male to 1/8" Male] 6.5'
50141	1	Cable: USB Male A to USB Male B
790185B	1	Cable: 72" Six-Pin Ribbon [Black]
50145	2	Adapter [1/8"]
35271	4	Screw
79211	Portable Wireless Assembly Net gear EX6100 [AC750] Range Extender	
35135		Cable: RJ45 Ethernet
70204	5	Cable Ties
30403	1	Screw Driver [Right-Angled Phillips #2 to remove old processor]
70208	3	Clamp [Wave Shaped Ribbon]
70585	3	Screws for Clamp [6x1/2"]
30409	1	Screw Driver [Snub-Nosed Phillips]
70152	1	Cable: 10' MIDI
7921706	1	Cable: 10-Pin [Use with 10-Pin Coupler to extend PNOscan cable to PMII]
8152503	1	Coupler: 10-Pin
81525i	1	PMII Upgrade Instructions



81529	PMII MIDI Upgrade Kit	Package Contents
81525	PMII Upgrade Kit - See above	
8152905	PMII Upgrade Kit to PMII MIDI Upgrade Kit Conversion	
70166	2	Adapter: MIDI Barrel Connector
990026		Cable: Speaker [1/8" stereo plug to two RCA]
8152511		Power Adapter [Power supply for PMII after 0813] [8152501 for older PMII]
2007116	2	Cable: 6' MIDI
73398		PMII Big Button Remote
70388	4	AAA Batteries

PMII Upgrade Kit Installation Instructions

Connecting Record Systems to PMII

PNOMation II can record, internally, from the following ports:

KEYSCAN PRIMARY [Only from the QRS PNOscan II System] Set PMII Record Source to PNOscan.

5-Pin MIDI IN [Any device that send MIDI] Set PMII Record Source to MIDI Port (5-Pin).

USB Client [Computer sending MIDI via a USB port] Set Record Source to USB MIDI.



From Computer

PNOscan II is built into PMII and you have two options:

- 1] Unplug the 10-Pin Primary Port cable from PNOscan II and reconnect it to the KEYSCAN PRIMARY port on PMII. *Discard the PNOscan box shown below.*
- 2] Connect a MIDI cable from the MIDI OUT of PNOscan II to the MIDI IN of PMII and keep the blue PNOscan box.



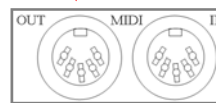
QRS PNOscan II

Connect the MIDI OUT from the Record System to the MIDI IN on PMII.

Select the MDI Port (5-Pin) Record Source on PMII.



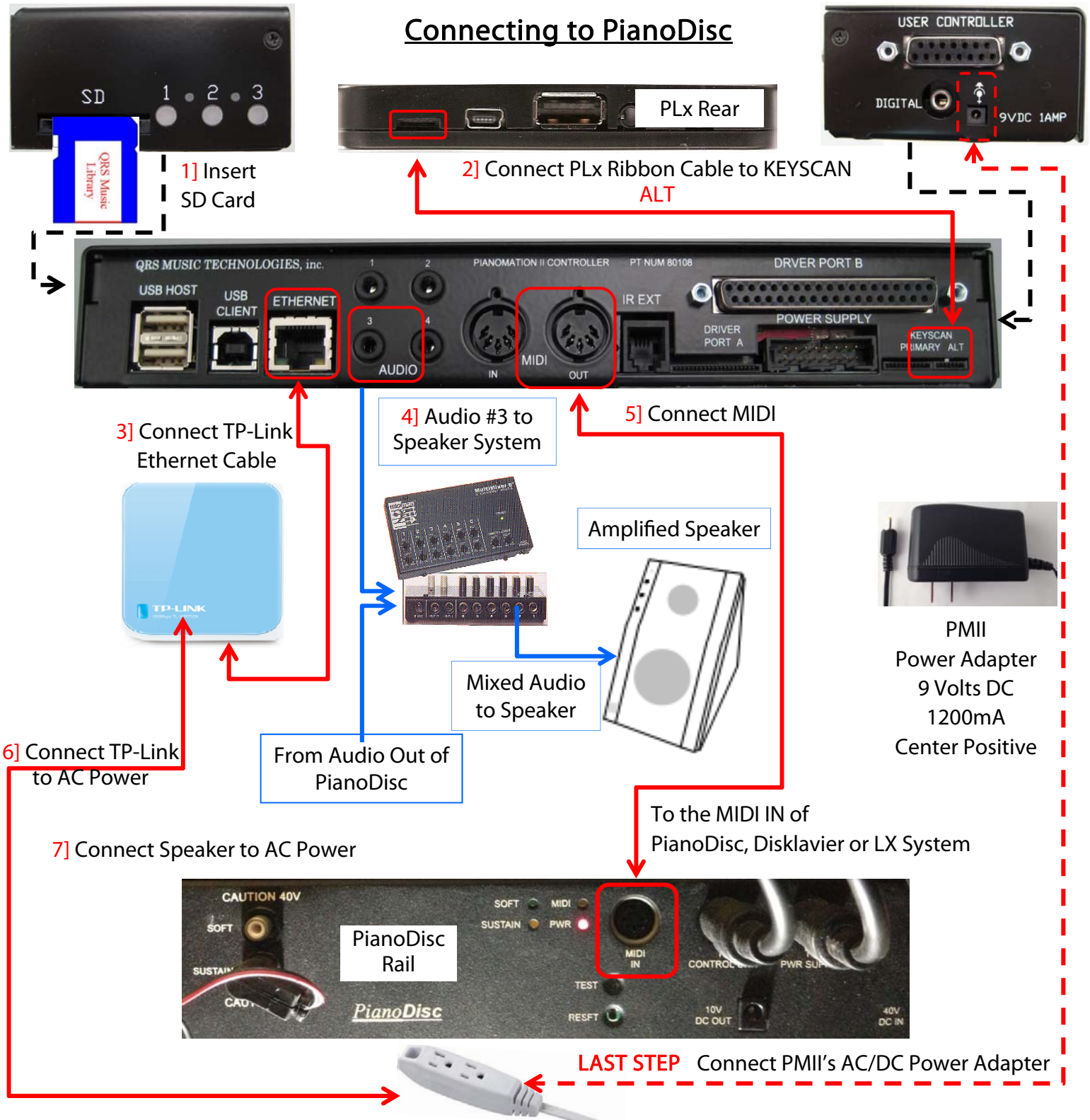
Gulbransen KS1 or other MIDI Record



PMII MIDI Kit Installation Instructions - 81529

Test before mounting and always connect power to PMII last! The PNOmation II processor can be used as a MIDI file player to control other player piano systems. Except for the power adapter and MIDI cable the 81529 PMII MIDI kit connects the same as the 81525 PMII Upgrade for QRS player systems.

- 1] Follow the numbered steps below and connect the components.
- 2] If installed, connect the record system to PMII. *See the next page for details.*
- 3] See the "Wirelessly Connect..." Section of this guide and connect to the system.
- 4] Set Curves to "Linear" (pg. 21) & perform the "MIDI Out Adjust / MIDI Kit #81529" procedures in the next section.
- 5] **Mount Components** to the piano



PMII MIDI Kit Installation Instructions - 81529

MIDI Out Adjust / MIDI Kit #81529

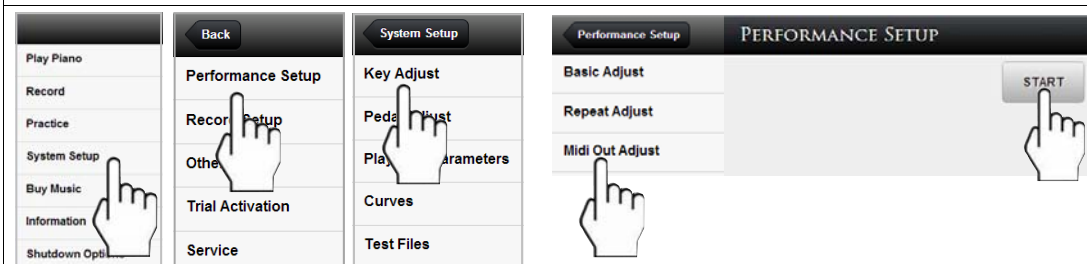
This procedure is used when the PMII MIDI Kit #81529 is connected to a piano with a non-QRS player system. In these installations the only connection from the PMII processor to the piano is via the 5-Pin MIDI Out socket. PMII MIDI Out to the MIDI In of the other player system.

Go to System Setup / Performance Setup / Curves. Set all three curves to "Linear", see page 21.

The non-QRS player system attached to the piano must be in good working order and the key force settings adjusted. The following "Midi Out Min Vel:" key adjustments cannot soften the volume of the keys softer than the player system's key force settings.

Press "System Setup", Performance Setup" and then "Key Adjust".

There is no "save" button. Your changes are automatically saved to memory.



Piano key #5 should begin to repeat.

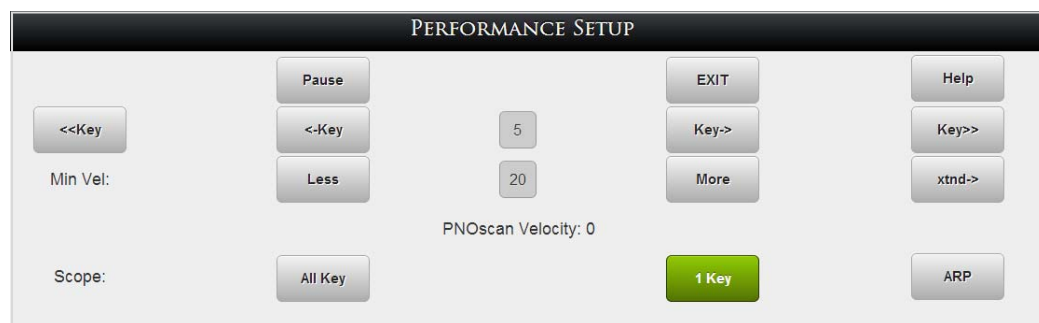
Press the "Less" and "More" buttons so that the selected note plays as softly as possible.

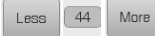
Press the "Key>" button to advance to the next not.

Repeat for all keys.

Press the "Key>>" button to play chromatic scale to verify that all notes play correctly.

Press "Exit" when finished.



	Previous Key / Key Number / Next Key
	Min Vel: Adjust so key plays as softly as possible.
	"Extend": Sets the Force value "displayed" to all notes <u>upscale</u> .
All Key	Clicking "More" or "Less" increases or decreases the force for <u>ALL</u> Keys.
	Entering a number in the force box sets the Key Force value entered to <u>ALL</u> Keys.
ARP	Plays a three-key arpeggio. "Less" and "More" adjusts the middle key.
	Chromatic Scale: Down/Up. Use as a final test.
	Please press the EXIT button when finished. Otherwise the note will continue to play.

PMII QRS Upgrade Kit Installation Instructions - 81525

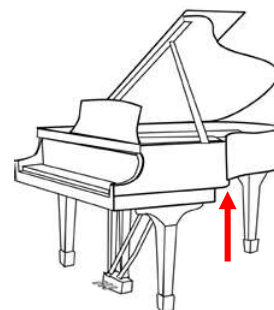
Remove the Existing Pianomation Processor

Turn OFF the player system and unplug the AC power cord from the wall outlet.

Locate the Pianomation processor. It's within a foot of the power supply.

The power supply is a black box the size of a loaf of bread.

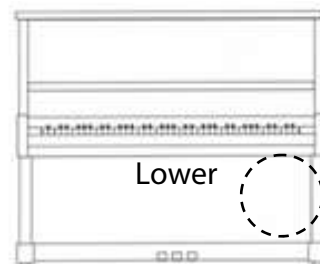
- GRAND - the processor is mounted to a beam under the soundboard area.



The cables from these two processor types will connect directly to PMII



- UPRIGHT - remove the lower panel to gain access to the power supply.



Flip the ON/OFF switch on the power supply to the OFF position.

Current Style



Old Style



Disconnect all of the cables from the old Pianomation processor.

- TO POWER SUPPLY
- TO CD/USER INTERFACE [To User Box]
- TO SOLENOID RAIL [To Driver Boards] This ribbon cable may be held in by two small screws.

Older processors, part # 70100 - circa 1992-1997, use a different type of "To Driver Boards" connector needed to connect the new processor to the driver boards located at the solenoid rail. If you have the processor type shown below you must replace the cable. Order part # 811433



Remove the old Pianomation processor and brackets from the piano by removing the 4 screws.

Disconnect all cables and **Remove the old Controller** from the piano.

PMII QRS Upgrade Kit Installation Instructions - 81525

Mount and Connect the New PMII Processor

Mounting the new PNOmation II processor to the piano.

When upgrading a current system, place the new processor in the same location as the original.
On a new system installation with record, place the processor in a location where all of the cables will reach:

Driver Port B - To Driver Boards

Power Supply

Keyscan Primary - To the record system's Soft-Shift circuit board.

Position it so that the connectors are easily accessible.

The mounting brackets are attached to the processor when shipped.

Secure the new PMII processor to the piano with the screws provided.

Mounting Brackets

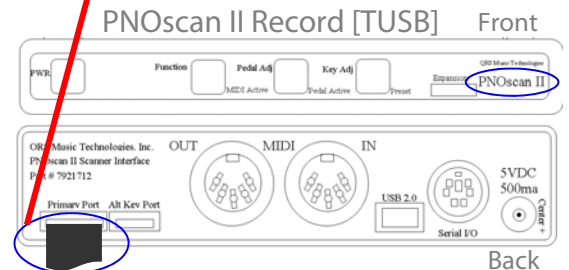


Connect these cables to the new PNOmation II processor.

- "DRIVER Port B" This is the 1-1/2" flat gray cable going to the driver boards
- "POWER SUPPLY" This is the 3/4" flat gray cable going to the power supply
- "KEYSCAN PRIMARY" - QRS PNOscan Record Systems Only -
White flat cable coming from the record system's Soft-Shift circuit board and it may be connected into the PNOscan II interface under the piano keybed. If so, disconnect it from the PNOscan interface. Front and rear views of this PNOscan II unit is shown at the bottom of this page.



The TUSB control box for the PNOscan II record system, shown here, is not needed with the new PNOmation II system. If you're upgrading an existing QRS Pianomation system with PNOscan II record, disconnect the flat white cable (black on newer units) from the Primary Port and plug it into the Pianomation II Controller's Keyscan Primary port. The silver "contact" side of the cable faces away from the word "Primary".



PMII QRS Upgrade Kit Installation Instructions - 81525

Mount and Connect the Pin-Light Extension - PLx

The Pin-Light Extension serves several functions:

Six lights will display valuable information about your system.

The built-in IR Sensor will allow you to use your existing QRS Remote to control PMII.

USB A- USB Mini B & 1/8" stereo jacks extend the ports from PMII to an accessible position on the piano.

The button is for Play / Stop / Standby and Reset.

Mount the PLx unit under the keybed at the treble side of the piano.



Connect one end of the 6-pin flat ribbon cable to the PMII's "ALT" port. *The black side of the cable faces the word "ALT"*

Connect the other end of the 6-pin flat ribbon cable to the PLx connector. Connect so *the black side faces the ceiling*.

Connect the USB A Male cable to one of the USB Host sockets on the PMII.

PMII Updates & Music Source

Connect the other end of the cable, USB 5-Pin Mini B, to back of the PLx.

Connect the USB B Male cable to the "USB Client" port o the PMII.

Computer

Connect the other end of this cable, USB A Male, to the back of the PLx.

Connect one end of a 1/8" audio cable to the PMII's Audio #1 socket.

Audio #1

Connect the other end [Use Adapter] to the last 1/8" socket of the PLx. *PMII External [AUX Line Input] Source.*

AUX Line In

Connect to home stereo system. Mixes Synth Piano with Audio.

Audio #2

NOT YET Functional [As of Driver Version 3.91]

Mixed Output

Main Audio Output

Audio #3

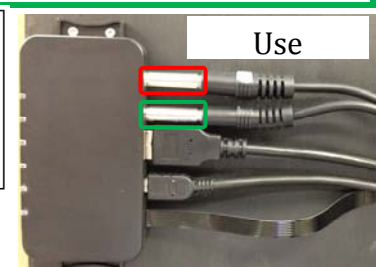
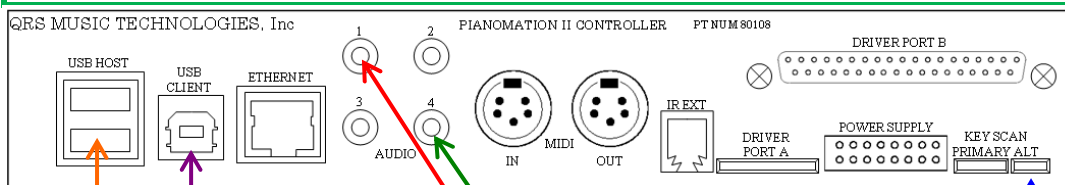
QRS Speaker

Connect one end of a 1/8" audio cable to the PMII's Audio #4 socket.

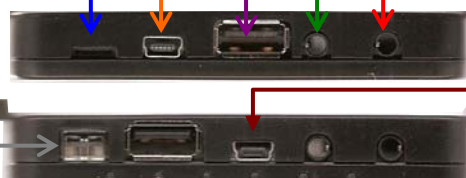
Audio #4

Connect the other end [Use Adapter] to the remaining 1/8" socket of the PLx.

Headphone



ON/Standby Button
Play / Stop / Reset



PLx Rear

PLx Front

An additional USB A to USB Mini B cable is provided for user to connect to computer for recording purposes. *A record system is required.*

↑ ↑ ↑ ↑ ↑ Lights: Power/System/Network/Mode/MIDI/AMI

PMII QRS Upgrade Kit Installation Instructions - 81525

Mount and Connect the Wi-Fi Adapter and Speaker

Connect the Ethernet cable from the Wi-Fi device to the Ethernet port on the PMII processor.

Connect the Wi-Fi Power Adapter to the **Un-Switched** outlet on the power supply.

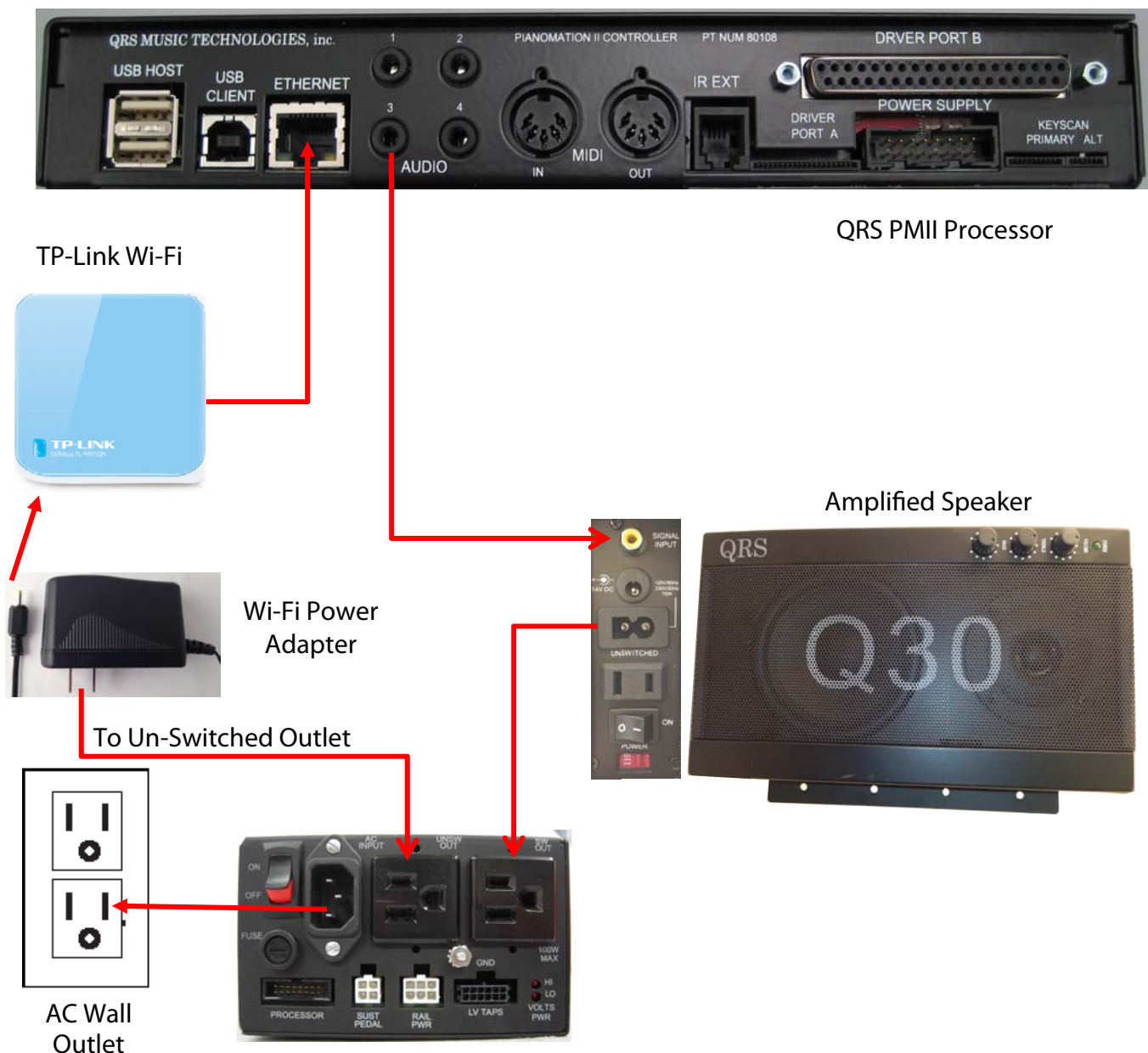
Using the Velcro strip supplied, attach the wireless unit to the piano .

Connect your powered speaker to Audio #3 jack. *Use the 1/8" stereo-to-RCA cable provided.*

Plug the AC power cord into the AC wall outlet.

Turn the power supply switch ON.

The system will power on...



Wirelessly Connect to PMII and Power ON [Stand Alone Mode]

Connect to the Piano. See page 4 for details.

Go to Key and Pedal Adjust on pages 32-33.

Performance Setup

Playback Parameters

The screenshot shows the 'PLAYBACK PARAMETERS' screen. The left sidebar has buttons for 'Play Piano', 'Record', 'Practice', 'System Setup', 'Buy Music', 'Inform', and 'Shutoff'. The main area is titled 'PLAYBACK PARAMETERS' and has a 'Keyboard Settings' section with 'Invert Keyboard' and 'Magic Pedal' toggles. Below that is the 'Solenoid Response' section with settings for 'Solenoid Delay (Ms)', 'Note Density Compensation', 'CPU Compensation', 'Solenoid Heat Compensation', 'Key Drop Time', 'Key Retro Time', 'Key Release Control', and 'Solenoid SPI Speed (Slow=Off, Fast=On)'. At the bottom are 'Reset to Default' and 'Apply Changes' buttons.

PLAYBACK PARAMETERS			
Keyboard Settings			
Apply Changes			
Invert Keyboard	☐		
Magic Pedal	☐		
Lowest Key	-	5	+
Lowest Note	-	25	+
Number Of Notes	-	80	+
Transpose	-	0	+
MIDI Out Delay	-	500	+
Solenoid Response			
Solenoid Delay (Ms)	-	500	+
Note Density Compensation	-	50	+
CPU Compensation	-	80	+
Solenoid Heat Compensation	-	90	+
Key Drop Time	-	35	+
Key Retro Time	-	60	+
Key Release Control	-	23	+
Solenoid SPI Speed (Slow=Off, Fast=On)	☐		
Reset to Default			
Apply Changes			

Invert Keyboard: Shown OFF, for Grand's

Reverses the direction of play, usually on, as shown, for upright pianos.

Magic Pedal: Shown "OFF"

Lowest Key: Set to 5 for 80 note systems and 1 for 88 note installations.

Lowest Note: Refers to the MIDI note number.
Set to 25 for 80 note installations, 21 for 88 note.

Transpose: Set to 0.

MIDI Out Delay: Sets the piano delay of the 5-Pin MIDI Out socket. Default = 500.

Solenoid Delay (Ms): Sets the piano delay to the QRS driver boards. Default = 500.

Solenoid SPI Speed (Slow=Off, Fast=On)
Turn ON if you hear intermittent loud notes.

All other settings are reserved for QRS system set-up and should not be changed by user.

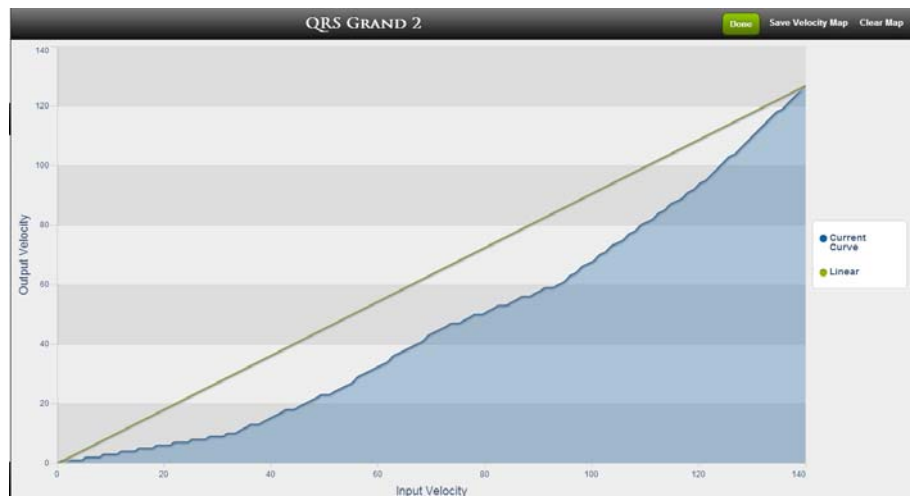
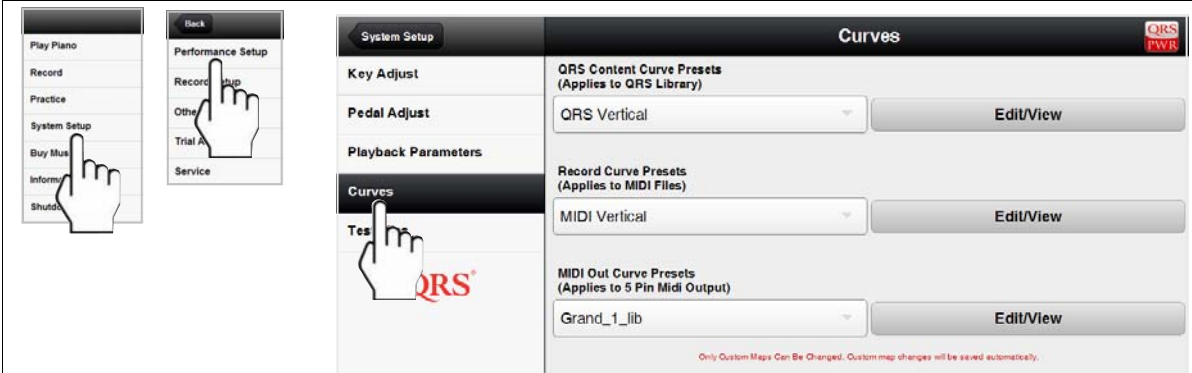
Restore to Default: Resets all Playback Parameters to Factory settings

Apply Changes: Press to save any changes that were made.

Performance Setup

Curves

Tweak the Output Velocity as the Input Velocity increases.
Separate curves for Piano Playback, Record and 5-Pin MIDI OUT.



When PMII is used as a Controller for other Systems

Set ALL curves to Linear when the PMII MIDI OUT is used to drive other player systems.



Performance Setup

Key Adjust - Basic

If this is a MIDI Upgrade Kit go to the "MIDI Out Key Adjust" page.

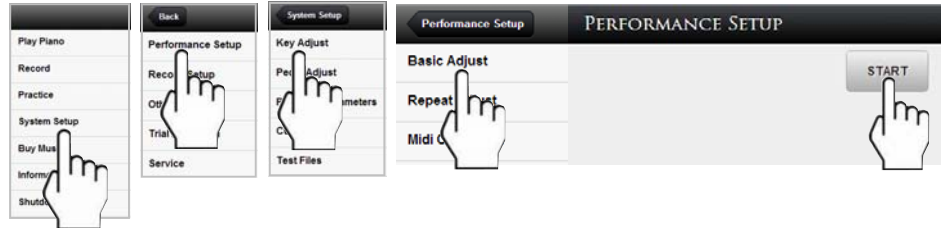
The "MIDI" kits (81529) do not have a cable connected to the PMII "DRIVER PORT A or B" sockets.

The "Basic" adjustment sets the minimum force for each key. The goal is to adjust so the key plays softly.

Press "System Setup" / "Performance Setup" / "Key Adjust".

Press "Basic Adjust" / "Start".

Key #5 should begin to repeat.
[Key #1 for 88 note systems]



Tap the "Less" and "More" buttons so the **key plays as softly as possible**.

Press the "xtnd" button to set **all keys up-scale** to the displayed force value.

Press the "Key->" to advance to next key.

Adjust all keys.



Changes are automatically saved to memory.

To Test: Press the "Key>>" and verify that every key plays.

If necessary, press the "<-Key" / "Key->" buttons to readjust keys that don't play.

For noisy actions increase the Global Cushion value.

Increasing the Global Cushion decreases repetition efficiency.

Perform the "Repeat Adjust"

	Previous Key / Key Number / Next Key
	Legato Drive "Force": Adjust so key plays as softly as possible.
	"Extend": Sets the Force value "displayed" to all notes <u>upscale</u> .
Scope	Clicking "More" or "Less" increases or decreases the force for ALL Keys.
All Key	Entering a number in the force box sets the Key Force value entered to ALL Keys.
	Chromatic Scale: Down/Up. Use as a final test.
Global Cushion	Pulse force applied to cushion key as it falls. Use only for noisy actions.
	Press the EXIT button when finished. Otherwise the note will continue to play.

Performance Setup

Key Adjust - Repeat

The "Repeat" adjustment helps the key repeat consistently during fast music passages.

Press "Repeat Adjust".



Repeat Adjustment Procedure

Scope:

"1 Key" should be selected

Velocity:

Press the Velocity "Down" button to set the Velocity value to 1

BPM:

Press the BPM "Down" button to set the BPM value to 210

Staccato Drive:

Press the Staccato Drive's "More" button to set a value of 12

Press the "xtnd" button to set **all keys up-scale** to 12

Repetition Drive:

Press the "More" button to set the Repetition Drive's value to 70

Press the "xtnd" button to set **all values up-scale** to 70

For each key (5-84 on 80 note systems / 1-88 on 88 note systems):

Adjust the Repetition Drive so that the **key repeats as consistently as possible**.

Begin by pressing the "Less" button...

A] As you lower the repetition level from 70, you will get to a number where the key stays depressed.

B] Keep pressing the "Less" button until the key hesitates during the repetition.

Press the "More" and Less buttons to get the best repetition between A & B above.

Press the "Key->" to advance to next key.

Repeat the Repetition Drive procedure for all keys.

A screenshot of the Performance Setup interface. It features a grid of buttons and numerical displays. At the top, there are 'Pause', 'EXIT', and 'Help' buttons. Below these are navigation buttons: '<<Key', '<-Key', '5', 'Key->', and 'Key>>'. The 'Staccato Drive' section has a 'Less' button and a display showing '12', with 'More' and 'xtnd->' buttons to its right. The 'Repetition Drive' section has a 'Less' button and an empty display box, with 'More' and 'xtnd->' buttons to its right. In the center, text reads '7.0 cycle time 142ms' and 'PNOscan Velocity: 127'. The 'Scope' section has an 'All Key' button and a green '1 Key' button. The 'Velocity' section has a 'Down' button, a display showing '1', and an 'Up' button. The 'BPM' section has a 'Down' button, a display showing '210', an 'Up' button, and a 'Ramped' button.

If you have to readjust the Legato Drive be sure to reset the Repetition Drive value for that key.

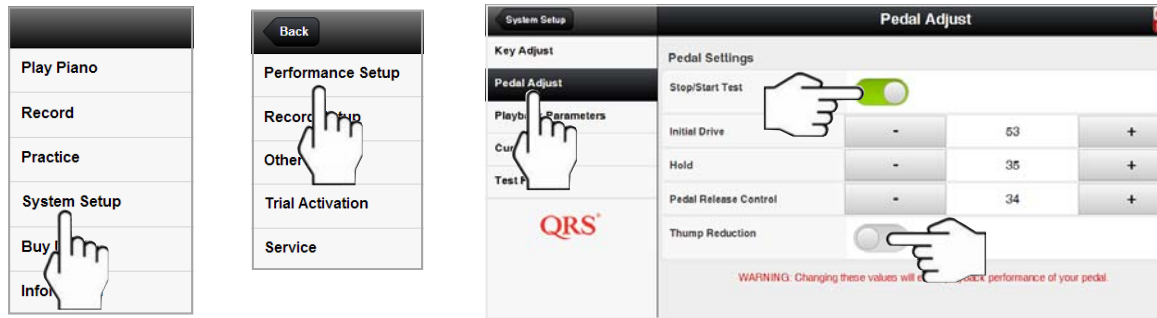
Press "Exit" when finished.

Performance Setup

Pedal Adjust

This procedure is not necessary on systems that do not have a sustain pedal solenoid.

Press "System Setup", Performance, "Pedal Adjust" and slide the "Start/Stop Test" button to the right.



The sustain pedal solenoid and the sustain dampers should start to cycle ON and OFF.

Turn OFF the "Thump Reduction" by sliding the button to the left.

Press the "-" buttons to set the "Initial Drive" and "Hold" values to zero.

Watch the sustain dampers and press the Initial Drive's "+" button until the dampers move off the strings.

Then, press the Hold "+" button until the dampers lift up and hold off of the strings.

Turn ON the "Thump Reduction" to pulse the solenoid as it's release to break it's fall and reduce noise.

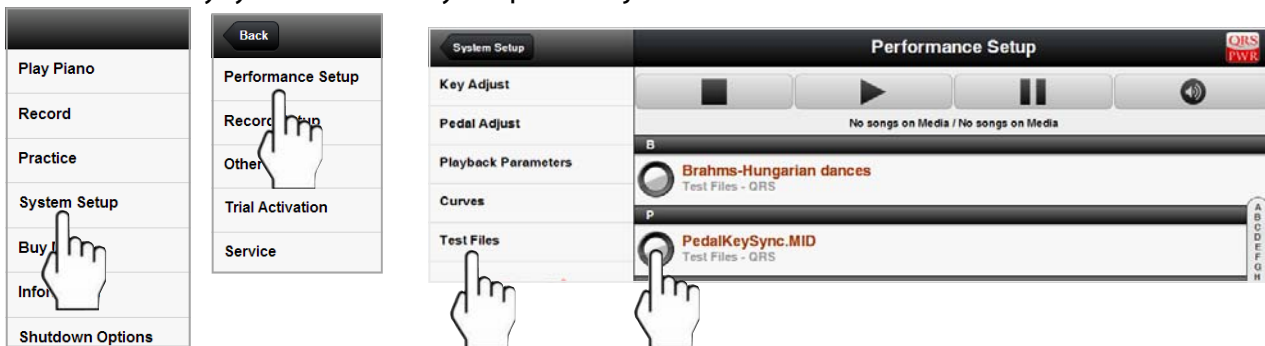
Adjust the release up and down until the solenoid drops quietly.

Stop the adjustment by sliding the "Start/Stop Test" button to the left.

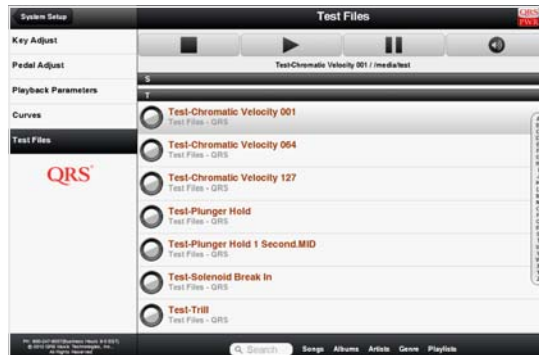
Test Files

Press "System Setup", Performance Setup, "Test Files"

Select "PedalKeySync.MID to test your pedal adjustment.



Check out other test files.



Performance Setup

PNOscan Adjust

The following adjustments are necessary after the initial PNOscan installation or when the system isn't recording properly.

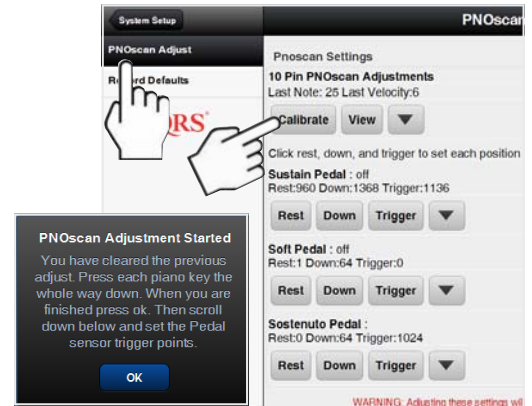
Select System Setup, Record Setup and then PNOscan Adjust.



Press the Calibrate button.

The "PNOscan Adjustment Started" box will appear.

At this point the previous calibration has been cleared.



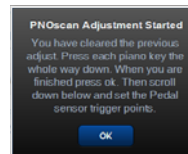
To calibrate the PNOscan key sensors you're going to play each key, in sequence, starting at the bass end of the keyboard. Watch the MIDI light on the PLx box and press the first bass-end key.

The light will flicker red indicating that the key is set.

Release the key and proceed up the keyboard.

Move to the next key when the PLx light flashes.

Press OK when finished.



Adjust the Sustain Pedal.

Click the arrow to the right of the Trigger button.

Verify that the Sustain Mode is Basic.

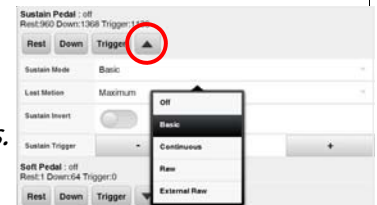
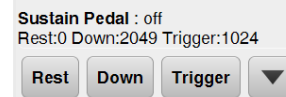
Wait for changes in the Rest, Down and Trigger values as you make adjustments.

Press the Rest button.

Depress the sustain pedal and press the Down button.

Release the pedal and depress until the strings sustain.

Hold the pedal and press the Trigger button.



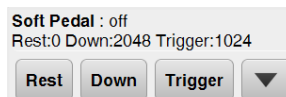
It's not necessary to adjust the Soft Pedal unless you're using computer software.

If you need to adjust:

Press the drop-down arrow.

Set the Soft Mode to Basic

Follow the same "Sustain Pedal" procedures above with the soft pedal.



No adjustments are necessary for the Sostenuto pedal.

The PNOscan adjustments are complete. Continue to the User Guide on the next page.

Always put the system in Standby Mode when you are finished for the day.

Wi-Fi Configurations

Please update PMII to Version 5.33 or higher before switching modes.

See the "Updating the Driver "Operating System" [OS Update]" section of this manual for details.

Both PMII AND the Piano's Wi-Fi device must be programmed to change modes.

Stand Alone
192.168.1.1

PMII is NOT connected to the Internet. Wirelessly connect to the piano's Wi-Fi device named QRSPNO ####.
PM II and the users Android, iPod Touch, iPhone, iPad or Computer communicate with each other.
PM II delivers control on Android, Google Chrome or Safari web browsers.
Connect by entering the IP Address of **192.168.1.1** in the address bar of the web browser.

#3 Light is Green



Network

PMII is connected to the Internet. The piano's Wi-Fi device is programmed to communicate with the home network.
PM II gets an IP Address from the home router. The advantage is that the users Android, iPod Touch, iPhone, iPad or Computer can be connected to the Internet and still control PM II.
Connect via your web browser using the IP address provided by your home router.

#3 Light is Yellow



Network Mode: You CAN run an Ethernet cable from the home router to the PMII processor and not use the Wi-Fi device that is attached to the piano. Don't forget that you still must switch PMII to network mode.

	Net Gear EX6100	Stand Alone Mode	iPad	Pg. 39
		Network Mode WPA	iPad	Pg. 40
		Network Mode WEP	iPad	Pg. 41
	Power line Devices	The following Wi-Fi devices will NOT connect to every make & model of router. If you find that you cannot program these devices to your home router, run an Ethernet cable or use a "Power line" type device.		Pg. 42
	TP - Link WR702N	Stand Alone to Network Mode	Android	Pg. 43
			iPad; iPhone; iPod/Touch & Safari	Pg. 44
			Windows 7 & Google Chrome	Pg. 45
		Network to Stand Alone Mode	iPad; iPhone; iPod/Touch & Safari	Pg. 46
			Windows 7 & Google Chrome	Pg. 47
			iPad; iPhone; iPod/Touch & Safari	Pg. 48
	EnGenius ETR9330	Stand Alone Mode:		Pg. 50
		Network Mode:		Pg. 51
	ASUS WL330N3G	Stand Alone Mode		Pg. 52
		Network Mode		Pg. 53
	ASUS WL330gE	Stand Alone Mode		Pg. 54
		Network Mode		Pg. 55
	TRENDnet	Stand Alone ONLY		Pg. 56

Security Options (Types)

WEP A-F and 0 - 9

WPA Made-Up Name

Wi-Fi Configurations

How to Configure the **Net gear Extender EX6100 / AC750** for **"Stand Alone" Mode** [iPad Example]

Please update PMII to Version 553 or higher before switching modes.

See *Updating the Driver "Operating System" [OS Update]* section of the PMII User Guide.



Both PMII AND the Piano's Wi-Fi device must be programmed to change modes.

Mode: NO connected to the Internet. PMII is wirelessly connected to the QRSPNO_2GEXT located under the piano.
Stand Alone PMII and the Android, iPod Touch, iPhone, iPad or Computer communicate with each other.
192.168.1.1 PMII delivers control for Android, Google Chrome or Safari web browsers.
Connect to PMII by entering **192.168.1.1** in the address bar of the web browser.

Programming the Net gear EX6100/AC750 for PMII in Stand Alone mode.

Press the "Power On/Off" button to turn OFF the EX6100.

Flip the "Access Point/Extender" switch to the "Access Point" position.

Press the "Power On/Off" button to turn ON the EX6100.

Wait for the Power LED to turn green.

Use a paper clip to Press and Hold the "Factory Reset" Button for 10 seconds.

Wait for the amber "Power LED" to blink at least 3 times.

Go to your device's Wi-Fi settings and Select "EX6100_Netgear_2GEXT".

You may want to turn the Wi-Fi OFF and then ON to refresh the Wi-Fi list.

The reset EX6100 will broadcast two SSID names; EX6100_Netgear...2GEXT & 5GEXT

The Net gear "genie" should appear within one minute.

Or, go to Safari & enter: **www.mywifext.net**

Select "NO" for help and then select "Next".

Answer "OK" to "...Are you sure?"

Authentication Required:

Enter username/password then Select "Log In".

Username = "admin"

Password = "password"

Go to "Setup / Wireless Setup"

Enter the new "2GEXT & 5GEXT" SSID Names

QRSPNO_2GEXT & QRSPNO_5GEXT

Press the "Apply" Button, wait for reboot

Reconnect to QRSPNO_2GEXT & log-in

Go to "Setup / Internet Setup"

Select "Use Static IP Address"

IP Address = 192.168.1.6

IP Subnet Mask = 255.255.255.0

Gateway IP Address = 192.168.1.1

Select "Use These DNS Servers"

Primary DNS = 192.168.1.1

Secondary DNS = 10.0.0.250

Press the "Apply" button at the top of page and wait the Net gear to update & reboot.

Reconnect to QRSPNO_2GEXT & log-in again.

Go to Setup / LAN Setup

Un-Check "Enable NAT" and press "Apply"

An Ethernet cable must now be attached to the QRSPNO_2GEXT to wireless connect.

Using a QRS remote control:

Press the following buttons in sequence...

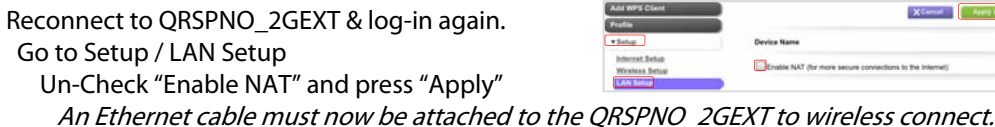
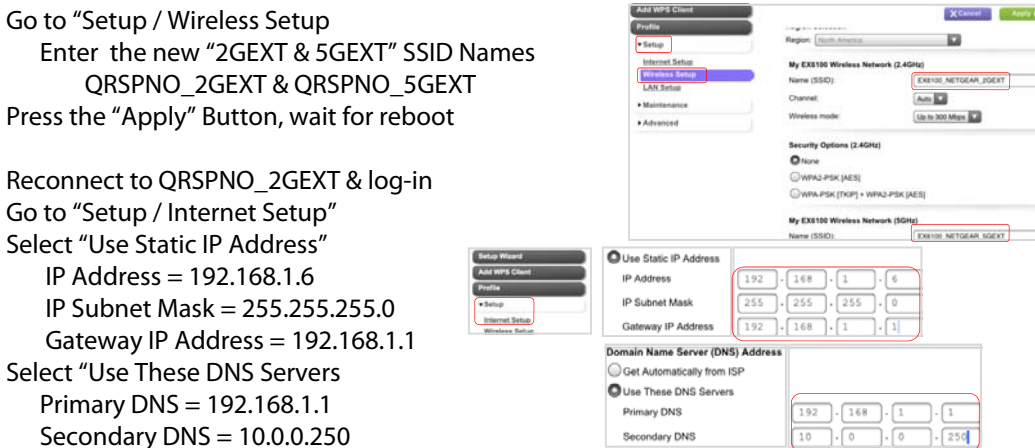
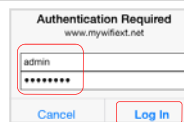
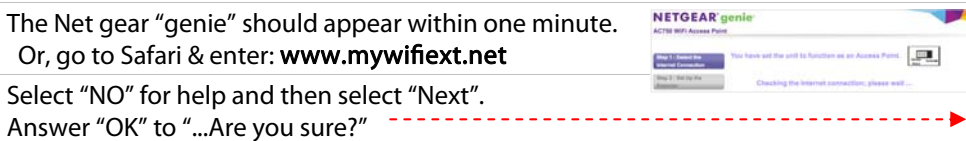
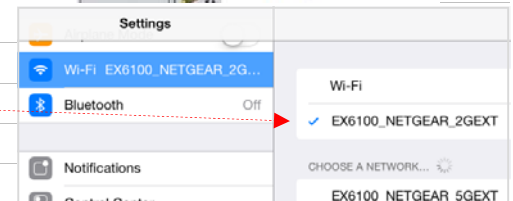
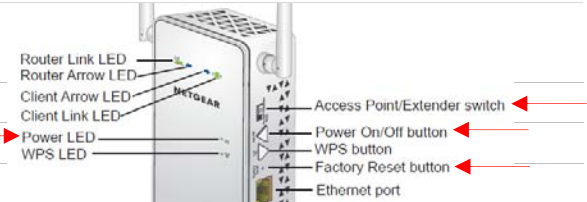
SHIFT FUNC 9 9 0 [F1/Source 990 for old style QRS remote]

Go to your device's Wi-Fi settings and Select "QRSPNO_2GEXT".

Do not use the QRSPNO_5GEXT.

Open your web browser and enter "192.168.1.1" in the address bar.

This will take you to the QRS PMII menu.

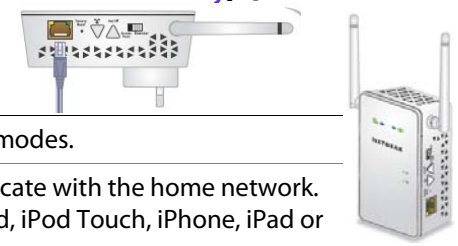


Wi-Fi Configurations

How to Configure the **Net gear Extender EX6100 / AC750** To **"Network" Mode** [Home Wi-Fi = **WPA Security**] [iPad Exam-

Please update PMII to Version 553 or higher before switching modes.

See Updating the Driver "Operating System" [OS Update]" section of the PMII User Guide.



Both PMII AND the Piano's Wi-Fi device must be programmed to change modes.

PMII is connected to the Internet. The piano's Wi-Fi device is programmed to communicate with the home network.

Mode: PM II gets an IP Address from the home router. The advantage is that the users Android, iPod Touch, iPhone, iPad or Network Computer can be connected to the Internet and still control PMII.

Connect via your web browser using the IP address provided by your home router.

Using a QRS remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 1 [F1/Source 9 9 1]



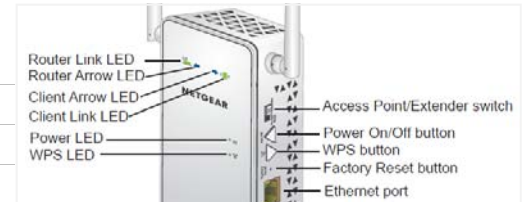
Programming the Net gear EX6100/AC750 for PMII in Network mode.

Flip the "Access Point/Extender" switch to the "Extender" position.

Plug the Net gear into an AC outlet in the same room as home Wi-Fi network router.

If the Net gear does not power on , press the "Power On/Off" button.

Wait, about 40 seconds, for the Power LED to turn green.



Use a paper clip to Press and Hold the "Factory Reset" Button for 10 seconds.

Wait for the amber "Power LED" to blink at least 3 times.

Go to your device's Wi-Fi settings and Select "EX6100_Netgear_2GEXT".

You may want to turn the Wi-Fi OFF and then ON to refresh the Wi-Fi list.

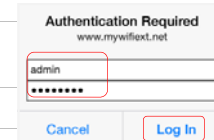
The reset EX6100 broadcasts two SSIDs: EX6100_Netgear...2GEXT & 5GEXT



The Net gear "genie" should appear within one minute.



If requested, enter username = "admin" and password = "password and then Select "Log In".

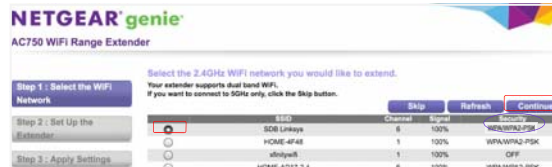


Select your 2G home Wi-Fi network.

Select "Continue".

Enter your home Wi-Fi password.

Select "Continue".



Skip the 5G network



Select "Private Network".

Select "Continue".



Summary Page:

Move to the bottom of the page and select "Continue".

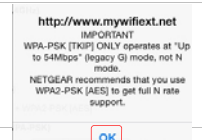
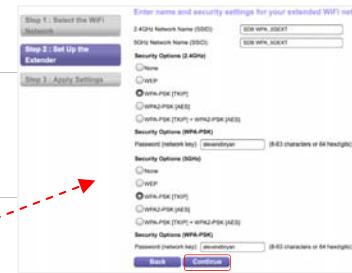
Select "OK".

Wait for the Net gear to apply changes and reboot.



Go to your device's Wi-Fi settings and Select "####_2GEXT".

The Net gear will be renamed to incorporate you home Wi-Fi name.



To test the setup, go to your web browser and see if you can surf the internet.

Unplug the Net gear and connect it to an AC outlet under the Piano.

Use the "UNSW" outlet on the large power supply under the piano. *You may need a short extension cord.*

Connect the Ethernet cable from the PMII processor to the Net gear.

USE the QRS remote control to find the IP address assigned to PMII by your home router:

Press the following buttons in sequence...SHIFT 3 [F1/Source 9 9 2]



Use the IP address announced to connect to PMII.

Wi-Fi Configurations

How to Configure the **Net gear Extender EX6100 / AC750** To **"Network" Mode** [Home Wi-Fi = **WEP Security**] [iPad Example]

Please update PMII to Version 553 or higher before switching modes.

See *Updating the Driver "Operating System" [OS Update]"* section of the PMII User Guide.



Both PMII AND the Piano's Wi-Fi device must be programmed to change modes.

PMII is connected to the Internet. The piano's Wi-Fi device is programmed to communicate with the home network.

Mode: PM II gets an IP Address from the home router. The advantage is that the users Android, iPod Touch, iPhone, iPad or Network Computer can be connected to the Internet and still control PMII.

Connect via your web browser using the IP address provided by your home router.

Using a QRS remote control:
Press the following buttons in sequence...
SHIFT FUNC 9 9 1 [F1/Source 9 9 1]



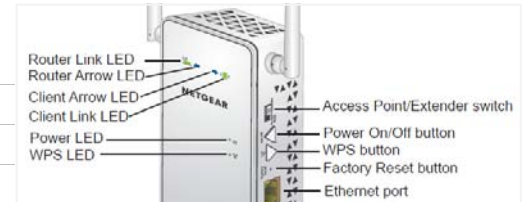
Programming the Net gear EX6100/AC750 for PMII in Network mode.

Flip the "Access Point/Extender" switch to the "Extender" position.

Plug the Net gear into an AC outlet in the same room as home Wi-Fi network router.

If the Net gear does not power on, press the "Power On/Off" button.

Wait, about 40 seconds, for the Power LED to turn green.



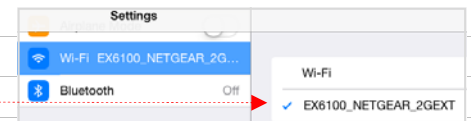
Use a paper clip to Press and Hold the "Factory Reset" Button for 10 seconds.

Wait for the amber "Power LED" to blink at least 3 times.

Go to your device's Wi-Fi settings and Select "EX6100_Netgear_2GEXT".

You may want to turn the Wi-Fi OFF and then ON to refresh the Wi-Fi list.

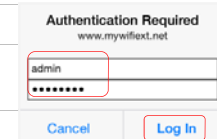
The reset EX6100 broadcasts two SSIDs: EX6100_Netgear...2GEXT & 5GEXT



The Net gear "genie" should appear within one minute.



If requested, enter username = "admin" and password = "password" and then Select "Log In".



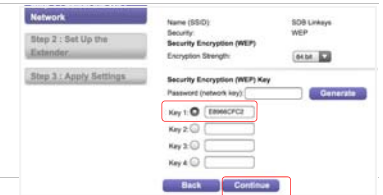
Select your 2G home Wi-Fi network.

WEP Security [Capital Letters A-F and Numbers 0-9]

Select "Continue".

Enter your home Wi-Fi password in the "Key 1" box.

Select "Continue".



Skip the 5G network



Select "Private Network".

Select "Continue".



Summary Page:

Move to the bottom of the page and select "Continue".



Wait for the Net gear to apply changes and reboot.

Go to your device's Wi-Fi settings and Select "####_2GEXT".

The Net gear will be renamed to incorporate your home Wi-Fi name.



To test the setup, go to your web browser and see if you can surf the internet.

Unplug the Net gear and connect it to an AC outlet under the Piano.

Use the "UNSW" outlet on the large power supply under the piano. You may need a short extension cord.

Connect the Ethernet cable from the PMII processor to the Net gear.

USE the QRS remote control to find the IP address assigned to PMII by your home router:

Press the following buttons in sequence...SHIFT 3 [F1/Source 9 9 2]

Use the IP address announced to connect to PMII.



Wi-Fi Configurations

How to Configure the [Connect Power Line Devices](#)



1. Plug one node of the power line adaptor directly into a wall outlet behind your homes router. First light will turn green representing power
2. Plug an Ethernet cable into the power line adaptor and then into the router.
3. Plug the other node of the power line adaptor into the extension cord under your piano. The first light will turn green representing power and the second light will turn a steady green representing that it sees the other node. If it does not see the other node you can push a find button on the node itself.
4. Unplug the Ethernet cable from the existing WiFi adaptor and plug it into the power line adaptor. The third line will blink saying it is sending and receiving data. The pianos voice prompts will say network off then turn back on and give you a network IP address
5. A voice prompt should announce your new IP address. If you do not hear it use the remote and select "Shift" "3" To announce it again
6. Log into your homes Wi-Fi network
7. Open your web browser
8. In the address bar enter the new IP address
9. PNOmation should open up
10. Create a shortcut and you are ready to go
11. Do NOT connect either power line adapter into a surge protector or an outlet strip.

Wi-Fi Configurations

How to Configure the TP-Link: "Stand Alone" to "Network" Mode [Samsung Android Example]

Change PMI to Network Mode

From an iPod/Touch, iPhone or iPad Go to...
System Setup/ Other Settings / Network Settings
 Turn OFF DHCP Server Enable (Standalone)
 Turn ON Static IP(off) or DHCP Client(on)
 Press the Apply Changes Button
 Press Yes to apply.
 Press Yes again to confirm.



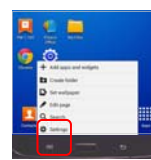
or From a QRS Remote Control
 Press the following buttons in sequence...
 SHIFT FUNC 9 9 1
 Third light flashes red/green and then solid yellow



You will be Disconnected from PMII

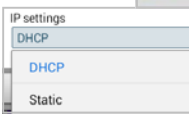
Set a Static IP Address on your Android device:

Select Settings and then Wi-Fi. Turn ON if necessary
 Press and Hold QRSPNO ####



Press & Hold

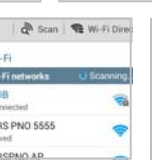
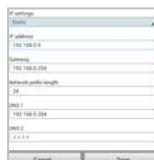
Select "Modify network config"
 Select "Show advanced options"
 Select "Static" under IP Address



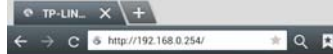
Select the following:

Proxy settings = None
 IP address = 192.168.0.5
 Gateway = 192.168.0.254

Press "Save"
 Go back to Settings / Wi-Fi
 Touch "QRSPNO ####" and select "Connect"



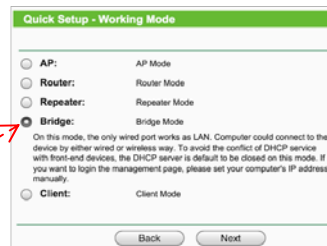
Select the Android "Globe" browser
 Enter 192.168.0.254
 Press GO
 Enter admin as the User Name and Password.
 Press Log In



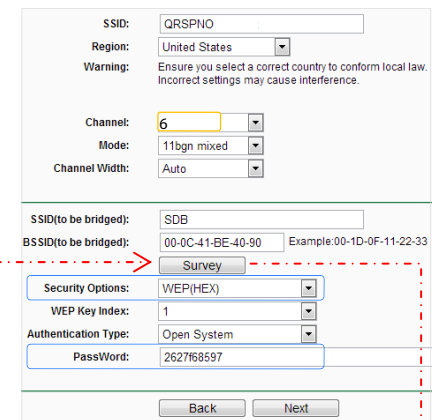
Press Quick Setup
 Press Next



Press Bridge Mode
 Press Next



Press the Survey button to view Wi-Fi list.
 Note the "Channel" & click Connect to join your network.
 Select the Security Option type of your home network
 Enter your home network's Password
 Click Next



"Survey" Wi-Fi List

Note Channel

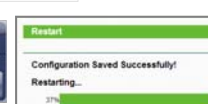
Press "Connect" 

ID	SSID	SSID	Signal	Channel	Security	Choose
1	00-0C-41-BE-40-90	SDB	59dB	6	OFF	Connect
2	EC-1A-59-3E-4E-DW	Linksys	63dB	11	ON	Connect
3	78-CD-8E-39-AD-08	HOME-AD08	47dB	1	ON	Connect

Select Disable Security
 Click Next



Click Reboot
 Click OK to confirm

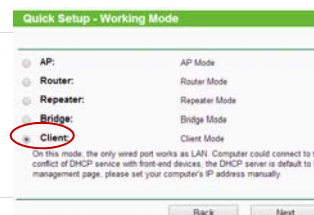


Wirelessly connect to your home router.
 Open the Safari and enter **qrspno.local** then press "GO".
 You may also enter the IP Address heard from the speaker.
 If you did not hear the IP address press SHIFT and then INFO on the QRS remote control.

If you cannot connect to the PMII controls, re-connected to the QRSPNO, open the Safari browser and see if you can connect to the Internet. If you can't connect, the TP-Link is not "Bridged" to the home router.
 Double check your Security Options type and password and try again.

If you successfully connected to PMII reconnect to the QRSPNO Wi-Fi
 Reconnect to the TP-Link and select "Quick Setup".

- Select "Client" and "Next".
- Select your Security Type and Password again.
- Press "Save" and then "OK" to Reboot and "OK" to verify



Wirelessly connect to your home router.
 Open the Safari browser and enter **qrspno.local** and then press "GO".

Wi-Fi Configurations

How to Configure the TP-Link: "Stand Alone" to "Network" Mode [iPad & Safari Example]

Change PMI to Network Mode

From an iPod/Touch, iPhone or iPad Go to...
System Setup/ Other Settings / Network Settings
 Turn OFF DHCP Server Enable (Standalone)
 Turn ON Static IP(off) or DHCP Client(on)
 Press the Apply Changes Button
 Press Yes to apply.
 Press Yes again to confirm.



or From a QRS Remote Control
 Press the following buttons in sequence...
 SHIFT FUNC 9 9 1
 Third light flashes red/green and then solid yellow



You will be Disconnected from PMII

Set a Static IP Address on your iTouch, iPhone or iPad
 Select Settings and then Wi-Fi. Turn ON if necessary
 Select and Connect to QRSPNO ####



Select the Blue Circle to the right of QRSPNO Network
 Select Static and enter the following:

IP address = 192.168.0.5
 Subnet mask = 255.255.255.0
 Router = 192.168.0.254
 DNS = 192.168.0.254

HTTP Proxy should be OFF



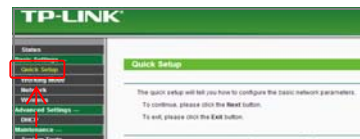
Select the Safari browser
 Enter 192.168.0.254
 Press GO



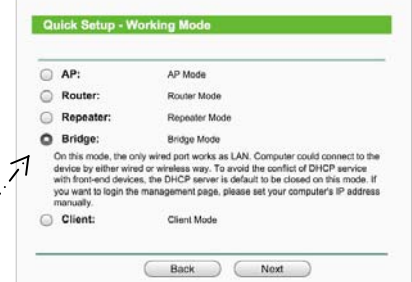
Enter admin as the User Name and Password.
 Press Log In



Press Quick Setup
 Press Next

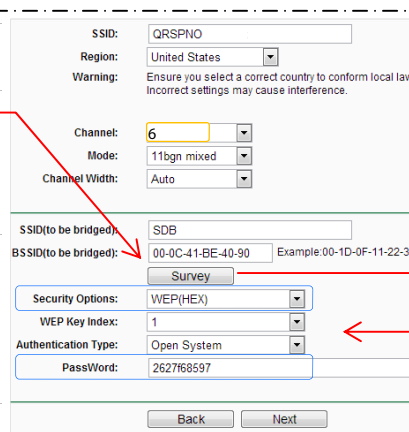


Press Bridge Mode
 Press Next



Press the Survey button to view Wi-Fi list.
 Note the "Channel" & click Connect to join your network.
 Select the Security Option type of your home network
 Enter your home network's Password
 Click Next

Select Disable Security
 Click Next

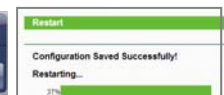


"Survey" Wi-Fi List

Note Channel Press "Connect"

ID	SSID	Signal	Channel	Security	Choose
1	00-0C-41-BE-40-90	SDB	59dB	6	OFF
2	EC-1A-59-3E-4E-DW	Linksys	63dB	11	ON
3	78-CD-8E-39-AD-08	HOME-AD08	47dB	1	ON

Click Reboot
 Click OK to confirm

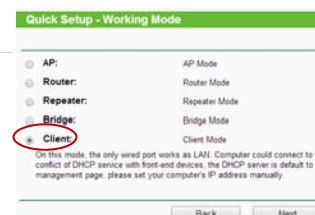


Wirelessly connect to your home router.
 Open the Safari and enter qrspno.local then press "GO".
 You may also enter the IP Address heard from the speaker.
 If you did not hear the IP address press SHIFT and then INFO on the QRS remote control.

If you cannot connect to the PMII controls, re-connected to the QRSPNO, open the Safari browser and see if you can connect to the Internet. If you can't connect, the TP-Link is not "Bridged" to the home router. Double check your Security Options type and password and try again.

If you successfully connected to PMII reconnect to the QRSPNO Wi-Fi
 Reconnect to the TP-Link and select "Quick Setup".

- Select "Client" and "Next".
- Select your Security Type and Password again.
- Press "Save" and then "OK" to Reboot and "OK" to verify



Wirelessly connect to your home router.
 Open the Safari browser and enter qrspno.local and then press "GO".



Wi-Fi Configurations

How to Configure the TP-Link: "Stand Alone" to "Network" Mode [Windows 7 - Google Chrome Example]

Change to Network Mode: Connect to PMII and Go to...
System Setup/ Other Settings / Network Settings
Turn OFF DHCP Server Enable (Standalone)
Turn ON Static IP(off) or DHCP Client(on)
Press the Apply Changes Button
Press Yes to confirm and Press Yes again.
You will be Disconnected form PMII



From a QRS Remote Control
SHIFT FUNC 9 9 1
#3 PLx light = solid yellow



Set a Static IP on your computer

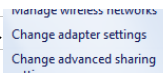
A Left-Click on the network signal strength indicator



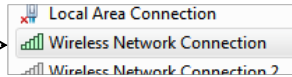
B Connect to the QRSPNO Stand Alone

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings



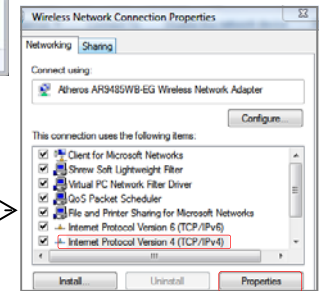
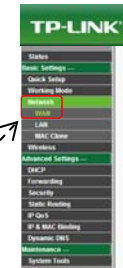
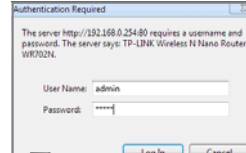
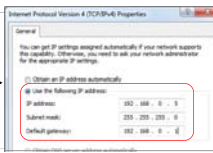
E Right-Click over active Wireless Network Connection
Select Properties



F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

Select Use the following IP address and enter:

G IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Gateway = 192.168.0.1



Press the OK button, wait... and Close all windows

Open Google Chrome and navigate to 192.168.0.254

Enter admin as the User Name and Password

Press the Log In button to open the "TP-Link" Menu

Select the WAN option below "Network"

If unavailable continue to Quick Setup below...

Enter the following:

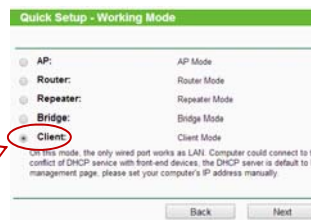
WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254

Click Save



Click Quick Setup and then Click Next

Select Client Mode and then Click Next



Click the Survey button

Click Connect for the SSID of the network you wish to join

Select Security Options WEP or WPA to match your network

Enter your network Password in the "Password" box

Click Next

ID	BSSID	SSID	Signal	Channel	Security	Choose
1	00-0C-41-BE-40-90	linksys	59dB	6	OFF	Connect
2	EC-1A-55-3E-4E-D2	heymartguy!	53dB	11	ON	Connect
3	78-CD-8E-39-AD-08	HOME-AD08	47dB	1	ON	Connect

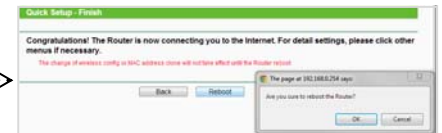


Select Disable Security

Click Next

Click Reboot

Click OK



Restart - Wait for the TP-Link to finish and restart
Close Google Chrome when 100% Complete



http://192.168.0.254
Are you sure to reboot the Router?



This dialog may indicate a connection problem. If you can't connect, repeat the process and check your Password.

Restart
Configuration Saved Successfully!
Restarting...

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings

E Right-Click over the Wireless Network Connection
Select Properties

F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

G Select Obtain an IP address automatically
Press the OK button, wait a few seconds
Close all windows

Connect to your home network
PLx light # 3 should be YELLOW.

The TP-Link is now linked to your home network and ready for "Network Mode" on the PMII.

If you did not hear the IP address press SHIFT and then INFO on the QRS remote control.

Open Safari or Google Chrome and enter the IP address heard from the speaker.



Wi-Fi Configurations

How to Configure the TP-Link: "Network" to "Stand Alone" Mode [iPad & Safari Example]

Set a Static IP Address on your iTouch, iPhone or iPad
Select Settings and then Wi-Fi. Turn ON if necessary
Select and connect to QRSPNO Network



Select the Blue Circle to the right of QRSPNO Network
Select Static

Enter the following:

IP address = 192.168.0.5

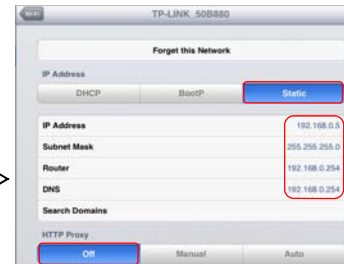
Subnet mask = 255.255.255.0

Router = 192.168.0.254

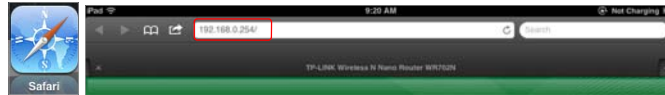
DNS = 192.168.0.254

HTTP Proxy should be OFF

Go back to your home screen...



Select the Safari browser
Enter the following address:
192.168.0.254 and press "Go"



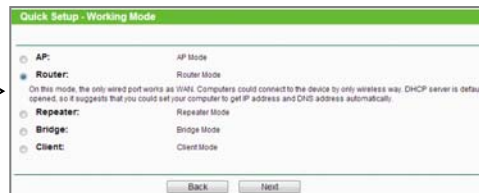
Enter "admin" as the User Name and Password
Press the "Log In" button



Click Quick Setup
Click Next



Select Router Mode
Click Next

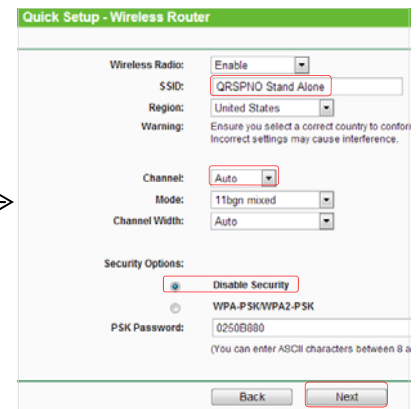


Change the SSID to QRSPNO Stand Alone

Set Channel to Auto

Under Security Options: Select Disable Security

Click Next



Under WAN Connection Type select Static IP
Click "Next"



Enter the following:

WAN Connection Type = Static IP

IP address = 192.168.1.5

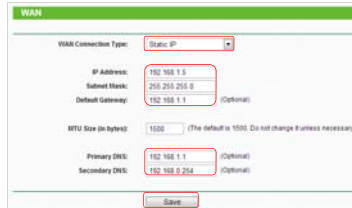
Subnet mask = 255.255.255.0

Default Gateway = 192.168.1.1

Primary DNS = 192.168.1.1

Secondary DNS = 192.168.0.254

Click Next or Save

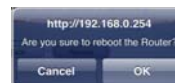


Click Reboot

Click OK

Restart - Wait for the TP-Link to finish and restart

Close browser when 100% complete



On the QRS PNOmation II remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green

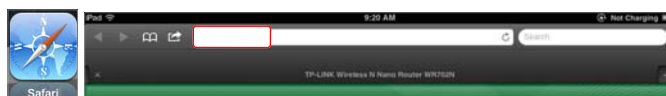
Press SHIFT INFO to confirm the 192.168.1.1 address



The device is now ready for "Stand-Alone Mode" on the PMII.
Select Settings and then Wi-Fi on your iPad, iPhone or iTouch.

Select and Connect to QRSPNO Stand Alone

Open Safari and enter 192.168.1.1



Wi-Fi Configurations

How to Configure the TP-Link: "Network" to "Stand Alone" Mode [Windows 7 & Google Chrome Example]

Set a Static IP on your computer

A Left-Click on the network signal strength indicator

B Connect to the QRSPNO Network

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings

E Right-Click over active Wireless Network Connection
Select Properties

F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

Select Use the following IP address and enter:

IP address = 192.168.0.5

Subnet mask = 255.255.255.0

Gateway = 192.168.0.1

Press the OK button, wait and Close all windows

Open Google Chrome and navigate to 192.168.0.254

Enter admin as the User Name and Password

Press the Log In button

Click Quick Setup

Click Next

Select Router Mode

Click Next

Change the SSID to QRSPNO Stand Alone

Set Channel to Auto

Under Security Options: Select Disable Security

Click Next

Under WAN Connection Type select Static IP

Click "Next"

Enter the following:

WAN Connection Type = Static IP

IP address = 192.168.1.5

Subnet mask = 255.255.255.0

Default Gateway = 192.168.1.1

Primary DNS = 192.168.1.1

Secondary DNS = 192.168.0.254

Click Next or Save

Click Reboot

Click OK

Restart - Wait for the TP-Link to finish and restart

Close Google Chrome when 100% Complete

On the QRS PNOMation II remote control:

Press the following buttons in sequence:

SHIFT FUNC 9 9 0 - The third light should be green.

Press SHIFT INFO to Confirm the IP address.

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings

E Right-Click over the Wireless Network Connection
Select Properties

F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

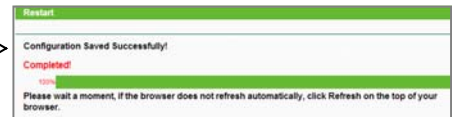
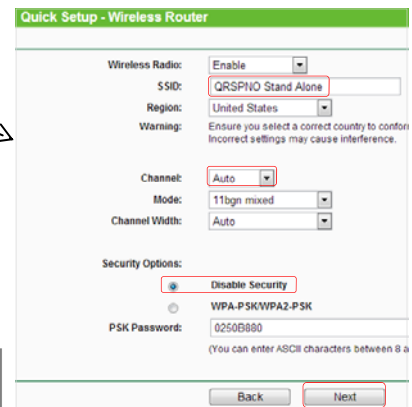
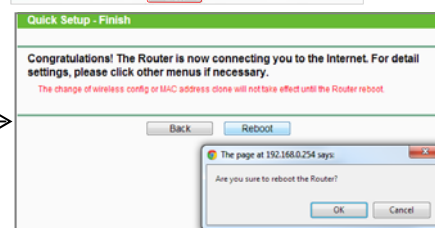
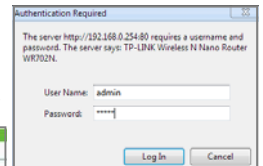
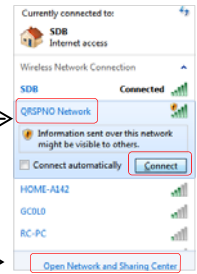
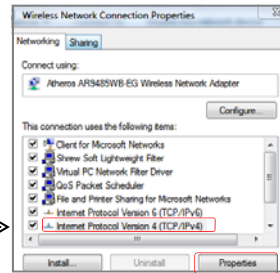
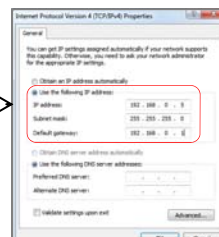
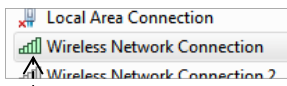
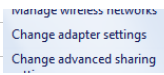
Select Obtain an IP address automatically

G Press the OK button, wait a few seconds
Close all windows

The device is ready for Stand-Alone Mode on the PMII

Connect to the QRSPNO Stand Alone

Open Google Chrome and Navigate to 192.168.1.1

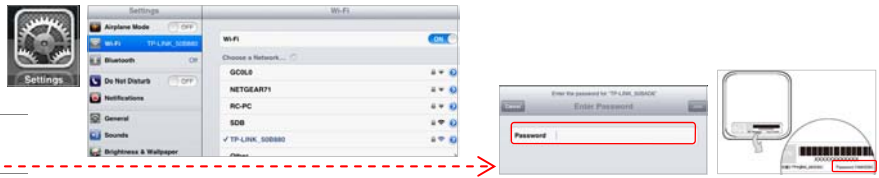


Wi-Fi Configurations

How to Recover the TP-Link to "Stand Alone": after a TP-Link Reset [iPad & Safari Example]

The TP-Link has been pre-programmed at QRS & it's not necessary to reset it. If the SSID name shown on the back of the TP-Link appears in your wireless network connection list, it's been reset. To reset, press and hold the "Reset" button on the side of the TP-Link for 8 seconds, or until the light blinks at least 3 times.

Select **Settings** and then **Wi-Fi** on your iPad, iPhone or iTouch
Select and **Connect** to the **TP-Link**
TP-Link_50B880 in our example



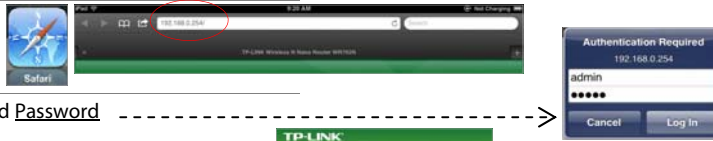
You may be asked for the TP-Link's password.
It's located on the back of the TP-Link.

Set a **Static IP** address on your iTouch, iPhone or iPad
Touch the blue circle to the right of the TP-Link
Enter the following:

IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Router = 192.168.0.254
DNS = 192.168.0.254

Go back to your home screen...

Select the **Safari** browser
Enter the following address:
192.168.0.254 and press **Go**



Enter **admin** as the **User Name** and **Password**
Press the "Log In" button.

Click **Quick Setup**
Click **Next**

Select **Router Mode**
Click **Next**

Change the SSID to **QRSPNO Stand Alone**
Set Channel to **Auto**

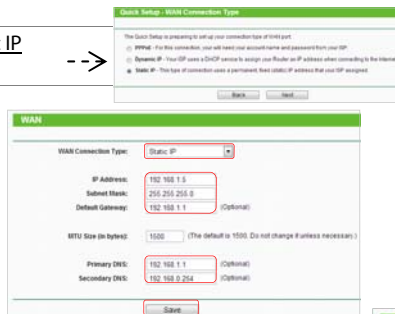
Under **Security Options**: Select **Disable Security**
Click **Next**

Under **WAN Connection Type** select **Static IP**
Click "Next"

Enter the following:

WAN Connection Type = **Static IP**
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254

Click **Next** or **Save**



Click "Reboot"
Click "OK" to confirm.

The TP-Link will configure and restart.

Select **Settings** and **Wi-Fi** & connect to **QRSPNO Stand Alone**
Log into the TP-Link again using Safari & 192.168.0.254
Select **DHCP Settings** under **Advanced Settings/DHCP**
Select or Enter the following:
DHCP Server = **Enabled**
Default Gateway = 192.168.0.254
Default Domain = **local**
Primary DNS = 192.168.0.254
Secondary DNS = 192.168.1.1
Click "Save" & "OK"

Click "click here", then "Reboot" & "OK"

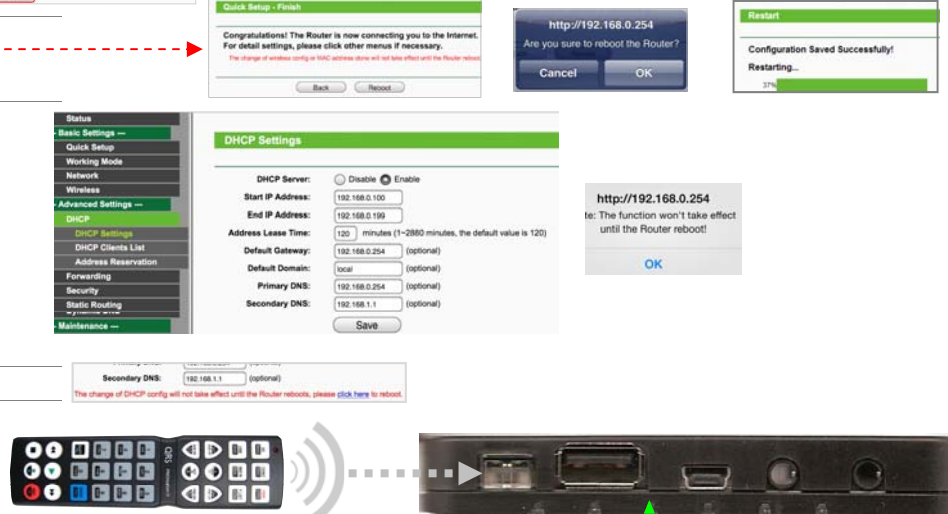
On the QRS PNOMation II remote control:
Press the following buttons in sequence...

SHIFT **FUNC** **9** **9** **0**

The third light should be green.

Press **SHIFT** **INFO** to confirm the 192.168.1.1 address.

The device is ready for **Stand-Alone Mode** on the PMII
Connect to the **QRSPNO Stand Alone**
Open **Safari** and **Navigate** to 192.168.1.1



Wi-Fi Configurations

How to Recover the TP-Link: to "Stand Alone" after a TP-Link Reset [Windows 7 Google Chrome Example]

The TP-Link has been pre-programmed by QRS so it's not necessary to reset it. But, if the SSID name shown on the back of the TP-Link appears in your wireless network connection list, it's been reset. To reset the TP-Link, press and hold the "Reset" button on the side of the TP-Link for 8 seconds, or until the light blinks at least 3 times.

Set a Static IP on your computer

A Left-Click on the network signal strength indicator

B Connect to the TP-LINK
TP-LINK_9A4203 in our example

You may be asked for the password on the back of the TP-Link
Enter the Password from the back or the TP-Link
Press the Log In button

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings

E Right-Click over active Wireless Network Connection
Select Properties

F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

Select Use the following IP address and enter:

IP address = 192.168.0.5
Subnet mask = 255.255.255.0
Gateway = 192.168.0.1

Press the OK button, wait and Close all windows

Open Google Chrome and navigate to 192.168.0.254

Enter admin as the User Name and Password

Press the Log In button

Click Quick Setup

Click Next

Select Router Mode

Click Next

Change the SSID to QRSPNO Stand Alone

Set Channel to Auto

Under Security Options: Select Disable Security

Click Next

Under WAN Connection Type select Static IP

Click "Next"

Enter the following:

WAN Connection Type = Static IP
IP address = 192.168.1.5
Subnet mask = 255.255.255.0
Default Gateway = 192.168.1.1
Primary DNS = 192.168.1.1
Secondary DNS = 192.168.0.254

Click Next or Save

Click Reboot

Click OK

Restart - Wait for the TP-Link to finish and restart

Close Google Chrome when 100% Complete

On the QRS PNOMation II remote control:

Press the following buttons in sequence:

SHIFT FUNC 9 9 0 - The third light should be green

Press SHIFT INFO to Confirm the IP address.

C Left-Click on the network signal strength indicator
Select Open Network and Sharing Center

D Select Change Adapter Settings

E Right-Click over the Wireless Network Connection
Select Properties

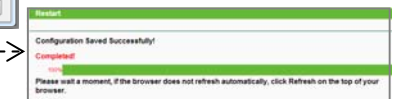
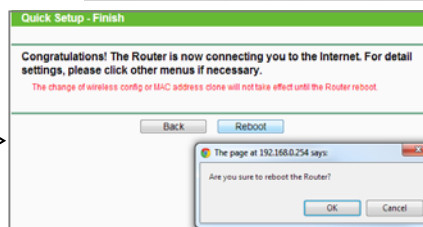
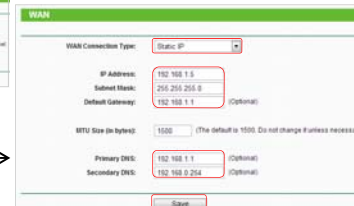
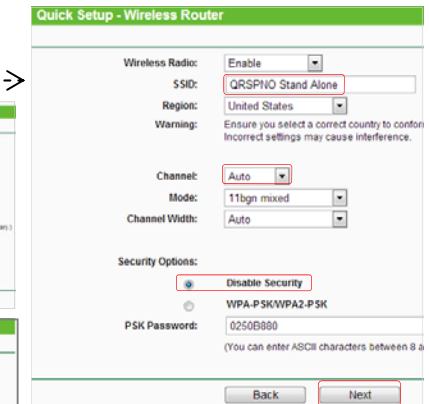
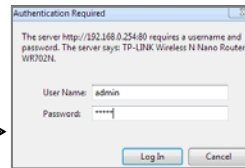
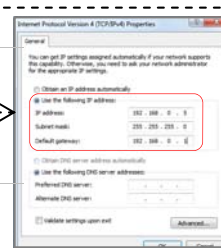
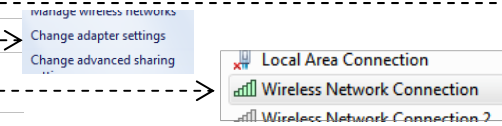
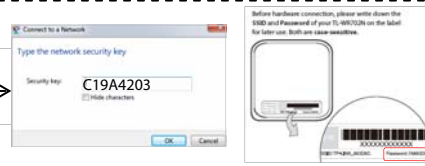
F Select Internet Protocol Version 4 (TCP/IPv4)
Select Properties

G Select Obtain an IP address automatically
Press the OK button, wait... and Close all windows

The device is ready for Stand-Alone Mode on the PMII

Connect to the QRSPNO Stand Alone

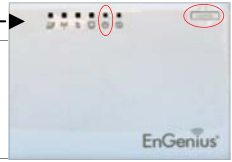
Open Google Chrome and Navigate to 192.168.1.1



Wi-Fi Configurations

How to Reset the EnGenius ETR9330 to "Stand Alone Mode" [Windows 7 & Google Chrome Example]

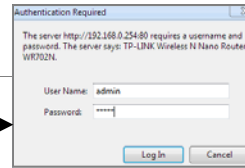
Press and hold the WPS button for about 10 seconds. Release after the power button flashes a few times.



Connect to the EnGenius xxxx Wi-Fi device.



Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1
Enter "admin" as the User Name and Password.
Press the "Log In" button.



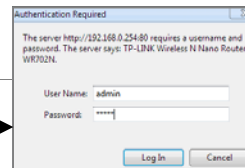
Select Wireless
Enter "QRSPNO" for SSID1.
Press the "Apply" button.
Wait for the EnGenius to reload.



Connect to QRSPNO.



Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1
Enter "admin" as the User Name and Password.
Press the "Log In" button.



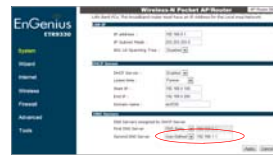
Select System / LAN.



Select "User-Defined" option from the Secondary DNS drop down box.

[Can't get to this setting using an iPad]

Enter "192.168.1.1" as the Secondary DNS address.
Press the "Apply" button and wait for EnGenius to reload.
Close browser.



On the QRS PNOMation II remote control:
Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green.

Press SHIFT INFO to confirm the 192.168.1.1 address.



Verify that you are still connected to QRSPNO

Open your browser to 192.168.1.1 to connect to PMII.

Wi-Fi Configurations

How to Configure the EnGenius ETR9330 to "Network" Mode [Windows 7 & Google Chrome Example]

You will need the following information from your home network:

Network Name (SSID)
Encryption Type
Key Type
Encryption Key



Using a QRS remote control:

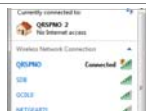
Press the following buttons in sequence...

SHIFT FUNC 9 9 1 [F1/Source 99 1]

Third light flashes red/green and then solid yellow.



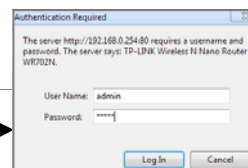
Connect to QR SPNO.



Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1

Enter "admin" as the User Name and Password.

Press the "Log In" button.



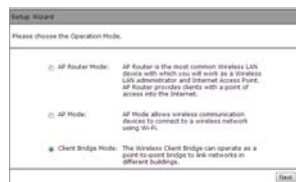
Select "Wizard".

Press the "Next" button.



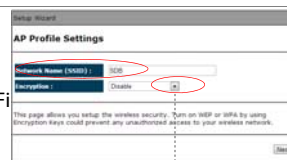
Select "Client Bridge Mode"

Press the "Next" button.



Enter the Network Name (SSID) to match your home Wi-Fi device.

Click on the Encryption drop-down box and select mode to match your home Wi-Fi



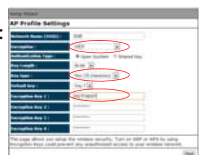
Select/Enter the following to match your home's Wi-Fi device:

Encryption Type

Key Type

Encryption Key

Press the "Next" button.

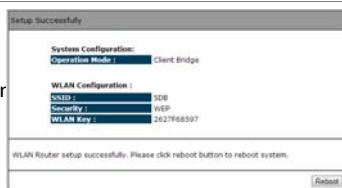


Verify "Setup Successful"

Press the "Reboot" button

Wait for system reboot.

Close browser.



Connect to your home network



To repeat the IP address:

Press SHIFT and then INFO on the QRS PNOMation II remote.

Open Safari or Google Chrome and enter the IP address heard from the speaker.

Wi-Fi Configurations

Configure the ASUS WL 330N3G to “Stand Alone” Mode



Default Configuration Set by QRS

ASUS 330N3G Wireless set as
an Access Point (AP)



Wireless Computer
or
Android Device
or
Apple iPad/iTouch

No access from home Network
IP Address 192.168.1.1 is assigned by PMII

All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see “QRSPNO #####” when viewing your local Wi-Fi devices . These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

For best results, go to qrsmusic.com. to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the “Power” light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The “System” light will flash, w/ voice prompts, on remote control commands.

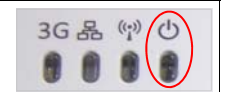
Using a QRS Remote: Press **SHIFT** then **FUNC** then **9 9 0**.

If you have one of the smaller QRS remotes: press **F1/Source** then **9 9 0**.

The PLx Network light should now be green.



Press and Hold the “Restore” button, on the back of the ASUS, until the “power” light flashes at least 3 times.



DISCONNECT the Ethernet cable from PMII or the ASUS device.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

If the ASUS was “restored” correctly you should see “ASUS” in your available Wi-Fi devices list.

Connect to the “ASUS” from the list and wait until a connection is established.

Apple devices may automatically open the Authentication screen when connection.

Enter admin in the User Name and Password fields.



Apple

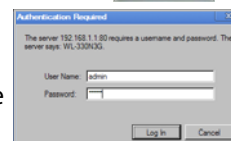
If you are using an Android or a Computer and Google Chrome:

In your web browser, enter **192.168.1.1** in the URL address window.

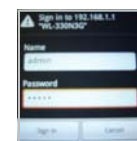
Enter admin in the User Name and Password fields.

Click the Log In button.

Google
Chrome



Android



The ASUS programming window opens.

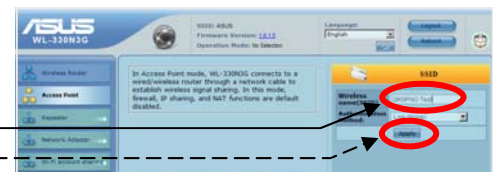
Select Access Point.



Enter the “QRSPNO” in the Wireless name (SSID) field.

Our example uses QRSPNO Test

Click the APPLY button.



The ASUS will apply, save and restart with the new settings.

Close the browser window when 100% complete.



Reconnect the Ethernet cable.

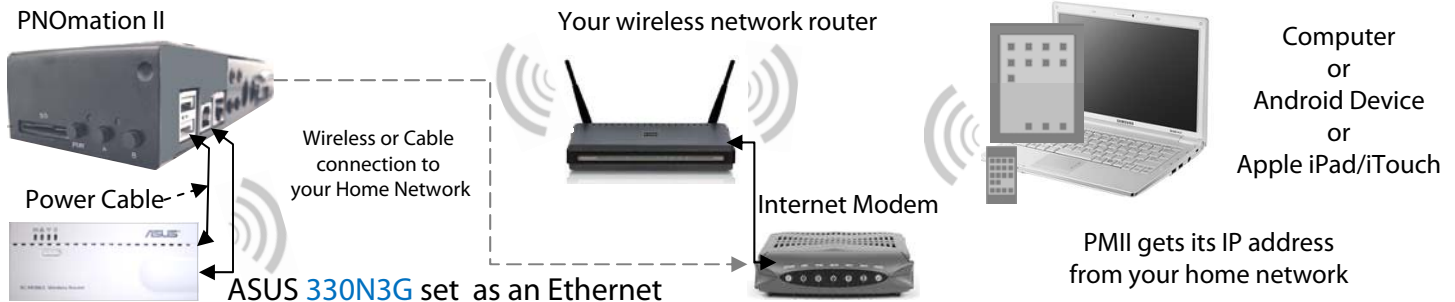
Wait for the voice prompt to report: “Standby”...“Connected”...“IP Address is...192.168.1.1”. [Press FUNC INFO to repeat IP address]

You can now wirelessly connect to PNOMation II via the ASUS wireless access point..

Enter 192.168.1.1 in your Internet web browser, Google Chrome or Safari..

Wi-Fi Configurations

Configure the ASUS WL 330N3G to “Network” Mode



DISCONNECT the Ethernet cable from PMII or the ASUS device.

For best results, go to qrsmusic.com to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the “Power” light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The “System” light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press **SHIFT** then **FUNC** then **9 9 1**.

If you have one of the smaller QRS remotes: press **F1/Source** then **9 9 1**.

The PLx Network light should now be yellow.

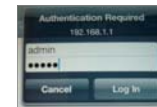


Press and Hold the “Restore” button, on the back of the ASUS, until the “power” light flashes at least 3 times.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer. Connect to the “ASUS” from the list and wait until a connection is established.

Apple devices may automatically open the Authentication screen when connection.

Enter admin in the User Name and Password fields.



Apple

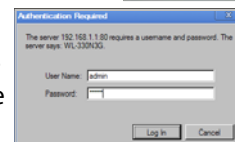
If you are using an Android or a Computer and Google Chrome:

In your web browser, enter 192.168.1.1 in the URL address window.

Enter admin in the User Name and Password fields.

Click Log In (Apple) or click the OK (Android/Chrome) button.

Google Chrome

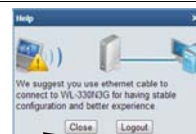


Android

Programming window opens.

Select Network Adapter.

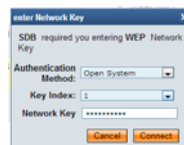
Close Help



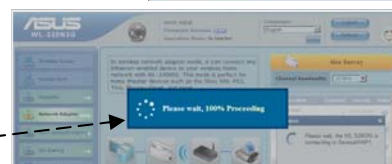
Select your local wireless Network device from the Site Survey list.

Click the Connect button.

Enter your Network Key if requires and press Connect.



The ASUS will connect, save and restart with the new settings.



Close the browser window when 100% complete.



Connect your wireless device to your home network.

Reconnect the Ethernet cable

Wait for the voice prompt to report: “Network” ... “Connected” ... “IP Address is...192.168.1.xxx”.

[FUNC INFO to repeat the IP Address]

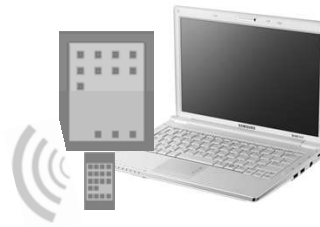
Open your web browser and enter the IP address and connect to PNOMation II through your home Network.

Wi-Fi Configurations

Configure the ASUS WL 330gE to “Stand Alone” Mode



Default Configuration Set by QRS



Wireless Computer
or
Android Device
or
Apple iPad/iTouch

ASUS 330gE Wireless
set as Access Point (AP)

No access from home Network
IP Address 192.168.1.1 is assigned by PMII

All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see “QRSPNO #####” when viewing your local Wi-Fi devices. These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

For best results, go to qrsmusic.com. to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the “Power” light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The “System” light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press **SHIFT** then **FUNC** then **9 9 0**.

If you have one of the smaller QRS remotes: press **F1/Source** then **9 9 0**.



The PLx Network light should now be green.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

If the ASUS was “reset” correctly you should see “ASUS” in your available Wi-Fi devices list.

Connect to the “ASUS” from the list and wait until a connection is established.

Open Apple Safari, Android Web Browser or Google Chrome on a Computer:

In your web browser, enter **192.168.1.220** in the URL address window.

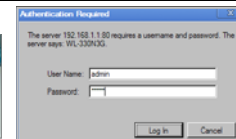
The “Authentication Required” dialog box will appear.

Enter admin in the User Name and Password fields.

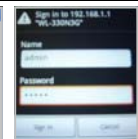
Click Log In.



Apple



Google Chrome



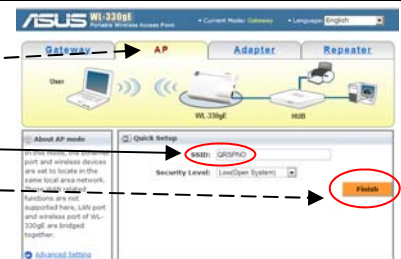
Android

The ASUS programming window opens.

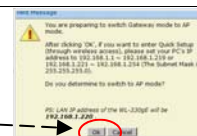
Select the **AP** Tab

Enter “QRSPNO” for the SSID name.

Click the **FINISHED** button.



Click OK

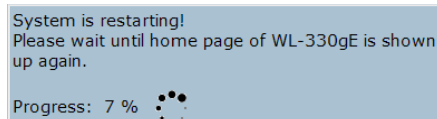


The ASUS will save and restart with the new settings

Wait for the progress to complete, 100%.

At this point you will loose connection to the ASUS...

Close the browser window when the progress is 100% complete.



Wait for the voice prompt to report: “Standby” ... “Connected” ... “IP Address is 192.168.1.1”

[FUNC INFO to repeat the IP Address.]

Connect your wireless device to “QRSPNO”.

Open Google Chrome, Safari or your Android browser and enter 92.168.1.1 to connect to PMII.

Wi-Fi Configurations

Configure the ASUS WL 330gE to “Network” Mode



For best results, go to qrsmusic.com to download and install the latest PMII driver update. Instructions using Driver V3.66.

Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

If the “Power” light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The “System” light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press SHIFT then FUNC then 9 9 1.

If you have one of the smaller QRS remotes: press F1/Source then 9 9 1.

The PLx Network light should now be yellow.



View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

Connect to the “ASUS” from the list and wait until a connection is established.

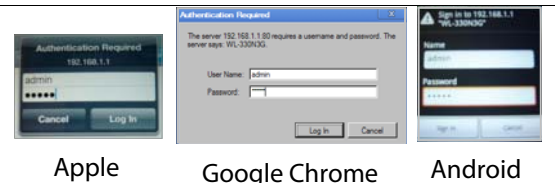
Open Apple Safari, Android Web Browser or Google Chrome on a Computer:

In your web browser, enter **192.168.1.220** in the URL address window.

The “Authentication Required” dialog box will appear.

Enter admin in the User Name and Password fields.

Click Log In.



The ASUS programming window opens.

Click on the Adapter tab.

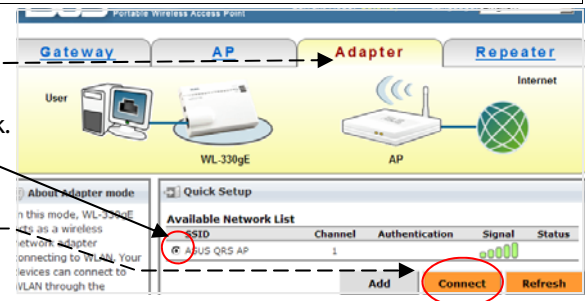
In the Available Network List, click on the radio button for your local network.

Our example shows ASUS QRS AP.

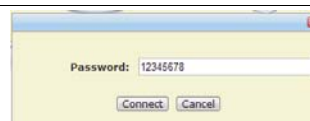
Click the Connect button.

You may need to provide a password to your network.

Use the “Add” button if your local network is hidden.

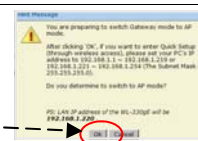


Enter the password of your home router if required.



This yellow message box will appear.

Click OK

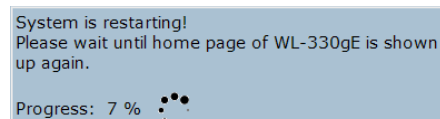


The ASUS will save and restart with the new settings

Wait for the Progress to complete.

At this point you will loose connection to the ASUS...

Close the browser window when the progress is 100% complete.



Wait for the voice prompt to report the new IP Address from your network: “Network” ... “Connected” ... “IP Address xxx.”
[FUNC INFO to repeat the IP Address]

Connect your wireless device to home router.

Open Google Chrome, Safari or your Android browser and enter IP Address that was reported to connect to PMII.

Wi-Fi Configurations

Configure the TRENDnet to “Stand Alone” Mode

The Trendnet does NOT support Network Mode

If you wish to set up PMII in Network Mode please call the number at the bottom of the page and we will replace the TRENDnet with an ASUS wireless unit.

Flip the switch on the back of the TRENDnet to AP
Log In to the TRENDnet TEW-654TR Wireless Router
192.168.10.1
User Name = admin
Password = admin



Verify that the Firmware Version is 1.10.12
If the version is not 1.10.12 or higher call QRS Technical Support



Select: **Setup / Wireless**

Change the Wireless Network Name to **QRSPNO #**
This is the name that will appear when you view the available wireless networks. It can be any name that you wish.

Click the “Apply” button and wait...

Click the “Back” button when the data is successfully saved..

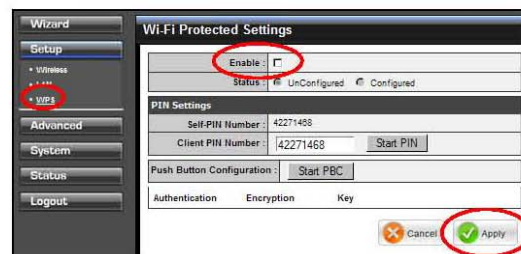


Select: **Setup / WPS “Wi-Fi Protection Settings”**

Click to **uncheck** “Enable to disable the protection

Click the “Apply” button and wait...

Click the “Back” button to save settings.



Select: **Setup / LAN**

Select “**Static IP**” in the “My LAN Connection is: drop-down box.

Change the Device Name to **QRSPNOAP**

Change the IP Address to **192.168.1.220**

Change the Gateway to **192.168.1.1**

Change the Primary DNS to **192.168.1.1**

Click the “Apply” button and wait...

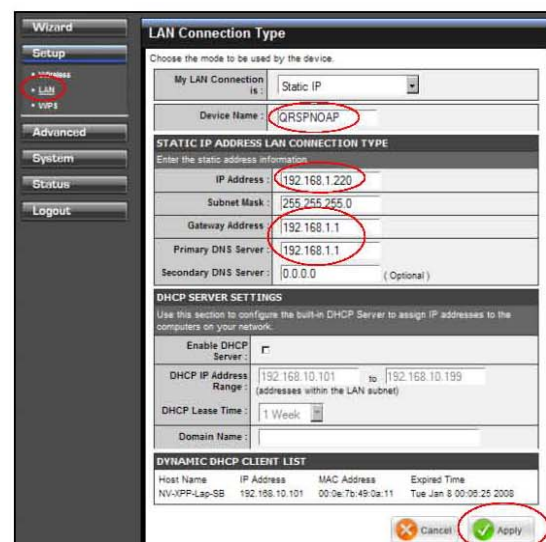
Click the “Back” button to save settings.

This will disconnect you from the Wi-Fi device.

Use 192.168.1.220 if you need to log in to the TRENDnet setup again.

Reconnect the TrendNet to PMII

You can now log on to PMII 192.168.1.1



User Guide

Networking PMII to a Home Router using a two TP-Link "Set"

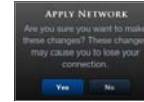
Verify that PMII, and the speaker are ON:

The first PLx light should be green.
If it's yellow, press the PLx button or "Power On"



Change PMII to Network Mode

From an iPod/Touch, iPhone or iPad *Go to...*
System Setup/ Other Setups / Network Settings
Turn OFF DHCP Server Enable (Standalone)
Turn ON Static IP(off) or DHCP Client(on)
Press the Apply Changes Button
Press Yes again to confirm.



or

From a QRS Remote Control
Press the following buttons in sequence...
Big Remote: SHIFT FUNC 2 2 1
Small Remote: F1/Source 2 2 1
Third light flashes red/green and then solid yellow



You will be Disconnected from PMII

QRS has pre-programmed the TP-Link Set:

- 1] QRS AP [Access Point]
- 2] "Client" Connected to [QRS AP]

Piano

Remove the existing Wi-Fi device and connect:

- 2] "Client" Connected to [QRS AP] to the PMII on the piano.

Home Router

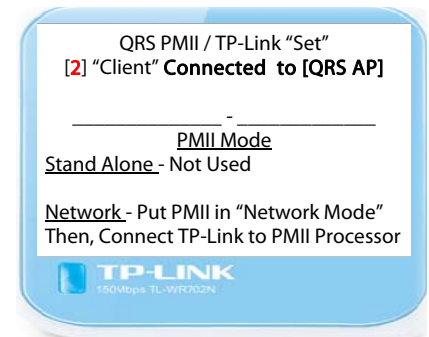
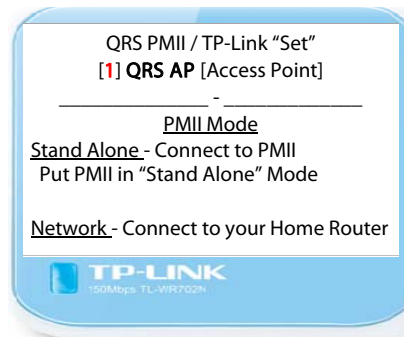
Connect 1] QRS AP [Access Point] to your home router.

Within a few minutes the IP address that has been assigned to the piano will be announced over the speaker.

You can repeat the IP announcement using the remote:

Big Remote: SHIFT 3
Small Remote: F1/Source 2 2 2

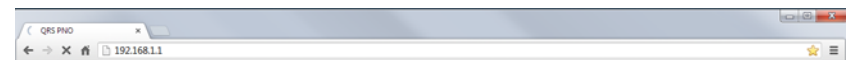
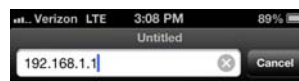
Connect your device (iPod/Touch, iPhone, iPad, or Android) to your home network.



Open your internet browser; Safari, Google Chrome or the Android Globe .

In the address window, enter the IP address announced over the speaker.

You may also use grspno.local



You can also use one of the TP-Link units for Stand Alone.

Connect 1] QRS AP [Access Point] to the piano.
The second TP-Link is not used.

Press the following buttons in sequence...

Big Remote: SHIFT FUNC 2 2 0
Small Remote: F1/Source 2 2 0
Third light flashes red/green and then solid green

Connect your device to the QRS AP

Open your web browser and enter 192.168.1.1

Wi-Fi Configurations

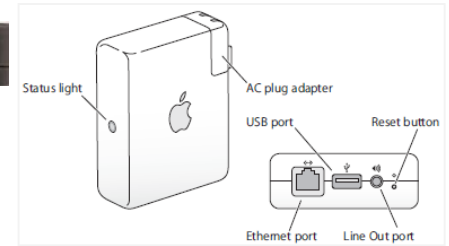
How to Configure the Apple AirPort Express for PMII In “Stand Alone” Mode [MacBook Example]

Begin by putting the PMII in Stand Alone Mode.
Third PLx light is green.



In this example we began after resetting the AirPort Express to factory defaults. *Press and hold the reset button for 10 seconds.*
Wait for the AirPort to reboot.

Establish a wireless connection to the AirPort.

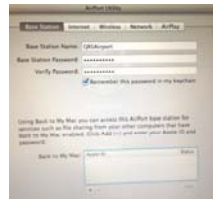


Open the AirPort Utility and press “Edit”.



Base Station

Did not change after reset.



Internet

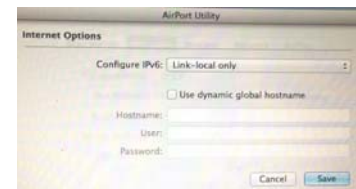
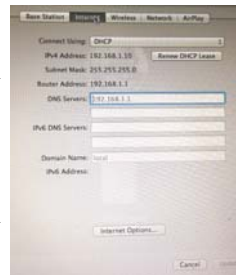
Connect Using DHCP

DNS servers: 192.168.1.1

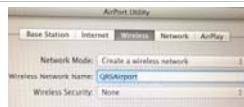
Did not change after reset.

Internet / Select “Internet Options”

Configure IPv6: “Link-local only”

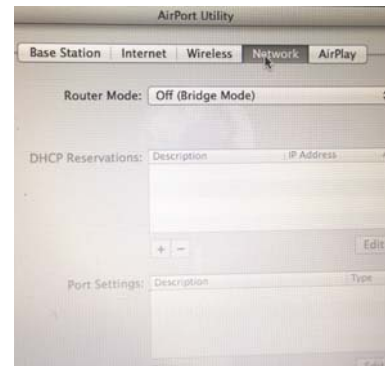


Wireless



Network

Select Router Mode: “Off (Bridge Mode)”



Press “Update” after making changes.

I noticed that after resetting the AirPort to factory defaults that I could still connect to PMII but the AirPort’s status light was amber. After changing the Network’s Router Mode to “Off (Bridge Mode)”, setting a security password and Updating the status light turned green.

Troubleshooting & Service

Testing the system from the PLx box.

When the first light is yellow and the second is green, the system is in standby mode.
The PMII processor is ready but the power to the key solenoids is off.



Press the PLx button once to turn the first light green, which turns on the power to the key solenoids.
Pressing the button now will play the piano.
Pressing the button again will stop play.



If the first two or more lights are yellow, the system has shut down.
Unplug the AC power cord from the wall outlet...
Wait two minutes and then reconnect.



No Music

Shutdown / Unplug from AC wall outlet / Reinsert SD card / Reconnect to power.

PMII Light Patterns and Button Functions



1	2 Blinks / sec	Idle
	Blink	Blinks with MIDI data. Piano should be playing.
2	Solid	Idle
	1 Wink / sec	Indexing Music
	Rapid Blinking	Updating Driver
3	1 Blink / sec	Network Mode = Network with Connection
	Solid	Network Mode = Stand Alone with Connection
	Off	Network Mode = No Connection
	Hold down for just 4 seconds to change Network Mode. Stand Alone Network OFF	
	Hold down for 8 seconds to power OFF PMII. - Tap again to reboot.	

Troubleshooting & Service



View Settings: Lists the Current and Default Values for the following items:

Volume
Solenoid
Keyboard
Power Supply
MIDI
Network
DRM
Pedal
PNOscan
Record
USB Drive
Velocity Map

VIEW SETTINGS		
Send Email		
Volumes Settings		
Parameter Name	Current Value	Default Value
Click	75	75
Headphone	90	90
Master	32	32
Mix Piano Audio	0	0
Prompt	75	75
Synth	75	75
Audio Bass	0	0
Audio Mid	0	0
Audio Treble	0	0
Cue Bass	0	0
Cue Mid	0	0
Cue Treble	0	0
Mute Piano	0	0
Mute Audio	0	0
Solenoid Settings		
Parameter Name	Current Value	Default Value
Solenoid Delay	500	500

Power

POWER	
Power Statistics	
Voltage & Current Usage:	
Supply Voltage	0.0V
Supply Current	0.00A
Current Limit	0.200A
Pedal Current	0.00A
Pedal Limit	0.350A
CPU Voltage	0.00
Logic Voltage	5.575V

System Log

SYSTEM LOG	
View Full Log File	
<pre>Aug 4 13:57:33 qrsapno user.notice kernel: [1917.860000] sd 4:0:0:0: [sda] 250880 512-byte logical blocks: (128 MB/122 MiB) Aug 4 13:57:33 qrsapno user.notice kernel: [1917.870000] sd 4:0:0:0: [sda] Write Protect is off Aug 4 13:57:33 qrsapno user.debug kernel: [1917.870000] sd 4:0:0:0: [sda] Mode Sense: 00 00 00 00 Aug 4 13:57:33 qrsapno user.err kernel: [1917.870000] sd 4:0:0:0: [sda] Assuming drive cache: write through Aug 4 13:57:33 qrsapno user.err kernel: [1917.920000] sd 4:0:0:0: [sda] Assuming drive cache: write through Aug 4 13:57:33 qrsapno user.info kernel: [1918.140000] sda: sda1 Aug 4 13:57:33 qrsapno user.err kernel: [1918.210000] sd 4:0:0:0: [sda] Assuming drive cache: write through Aug 4 13:57:33 qrsapno user.notice kernel: [1918.220000] sd 4:0:0:0: [sda] Attached SCSI removable disk Aug 4 13:57:35 qrsapno local1.err midi9d: [timer_handler]: WARNING: timer loop 5 sec, should be 250 msec Aug 4 13:57:38 qrsapno local1.err midi9d: [timer_handler]: WARNING: timer loop 3 sec, should be 250 msec Aug 4 13:59:13 qrsapno local1.err midi9d: [playback_start]: /media/sdcard/401005/08.mp3 not in current playlist</pre>	

Debug

AUTHENTICATION REQUIRED

Please Enter A Password To View This Page

UTILITIES

Troubleshooting & Service

Utilities

Play Plans

Record

System Setup

Informa

Shutdown

Back

Performance Setup

Record Setup

Other Setups

Trial Activation

Service

System Setup

Power

System Log

View Settings

Utilities

Debug

Playlists

Record

Settings

Alarms

Logs

Application

Playlists

PLAYLISTS

Playlist Utilities:

Remove All Playlists

Copy All Playlists to USB

Copy All Playlists to SD

Restore All Playlists from USB

Restore All Playlists from SD

WARNING:

Copy will overwrite existing files and Can't be undone.

Remove will delete and can't be undone.

Restore will overwrite existing files.

Record

RECORD

Record Utilities:

Remove All Recordings

Copy All Recordings to USB

Copy All Recordings to SD

Restore All Recordings from USB

Restore All Recordings from SD

WARNING:

Copy will overwrite existing files and Can't be undone.

Remove will delete and can't be undone.

Restore will overwrite existing files.

Settings

SETTINGS

Settings Utilities:

Reset All Settings

Copy All Settings to USB

Copy All Settings to SD

Restore All Settings from USB

Restore All Settings from SD

WARNING:

Copy will overwrite existing files and Can't be undone.

Remove will delete and can't be undone.

Restore will overwrite existing files and restart the system.

Alarms - ON/OFF Scheduling

ALARMS

Alarm Utilities:

Remove All Alarms

Copy All Alarms to USB

Copy All Alarms to SD

Restore All Alarms from USB

Restore All Alarms from SD

WARNING:

Copy will overwrite existing files and Can't be undone.

Remove will delete and can't be undone.

Restore will overwrite existing files.

Logs

LOGS

Send Logs to USB

Send Logs to SD

Application

APPLICATION

Application Utilities:

Reset Application

Allow Remote Access for Session

WARNING:

Resetting the application will reset the networking.

Complimentary Song List [319 Total]

A Beautiful Friendship	Carousel	Good King Wenceslas
A Christmas Love Song	Chances Are	Good-bye Yellow Brick Road
A Curious Story (Kinderscenen, Op 15)	Change The World	Gypsy, part 1
A Holly Jolly Christmas	Chanukah O Chanukah	Gypsy, part 2
A Last Dance	Chemin de Fer (rag)	Hard-Hearted Hannah
A Night At The Opera	Chopsticks	Hark! The Herald Angels Sing
About Strange Lands And People (Kinderscenen, Op 15)	Clair de Lune, Op 46 No 2 (Faure)	He Hideth My Soul
Adagio, from Sonata in C, Op 3 No 3 (Beethoven)	Contretanze	High Noon
Addams Family Theme	Could I Have This Dance	Holberg Suite: Preludium
Adoro	Crazy	Holberg Suite: Sarabande
Afternoon Delight	Dancing In The Dark	Honeysuckle Rose
Against All Odds	Danny Boy	Honky Cat
Ain't Misbehavin'	Danse (Debussy)	How About You
All I Do Is Dream Of You	Days of Wine and Roses	Hungarian Rhapsody No 2 (Liszt)
Allegretto, from Haydn Sonata in E	Deed I Do	Hungarian Rhapsody No. 12 (Liszt)
Allegro con brio, from Sonata in C, Op 3 No 3 (Beethoven)	Deep In The Heart Of Texas	I Don't Need You
Allegro giusto (from Italian Concerto, BWV 971)	Do That To Me One More Time	I Don't Stand A Ghost Of A Chance
Allegro, from Sonata in C, K545 (Mozart)	Don't It Make My Brown Eyes Blue	I Don't Want To Walk Without You
Allegro, from Sonata in G, K283	Don't Take Your Love From Me	I Just Called To Say I Love You
Always (Atlantic Star)	Down By The Riverside	I Love My Wife
Always On My Mind	Down Yonder	I Love Paris
	Dream	I Married An Angel
	Dreamsville	I Only Have Eyes For You
	Duelling Banjos	I Saw Three Ships
Andante, from Sonata in C, K545 (Mozart)	Eighteenth Street Strut	I Want To Be Happy
Andante, from Sonata in G, K283	El Dia Que Me Quieras	I'll Be Around
Angie	El Pelele (Goyescas) (Granados)	I'll Close My Eyes/Close Your Eyes
Animaniacs Theme	Enticellas	I'm Old-Fashioned
Annes de Pelerinage – Tarantella (Liszt)	Etude in C-sharp minor, Op 10 (Chopin)	I'm Through With Love
Annie Get Your Gun, part 1	Etude in E, Op 10 No 3	I've Got A Crush On You/I've Got It Bad
Annie Get Your Gun, part 2	Etude in G-flat, Op 10 No 5	If Ever I Would Leave You
Arabesque No 1 (Debussy)	Etude in G-sharp Minor, Op 25 No 6	If I Could Be With You
As Long As He Needs Me	Etude, Op 2 No 1 (Scriabin)	If You Believe
At A Georgia Camp-Meeting	Etude, Op 3 No 5 (Scriabin)	Impromptu in G-flat, Op 90 No 3 (Schubert)
Autumn In New York	Everything I Have Is Yours	In Dulci Jubilo
Ave Maria (Schubert/Liszt)	Exactly Like You	In The Mood
Baby Medley	Exodus	Intermezzo in A, Op 118 No 2
Bacharach Medley	Fantasie in B minor, Op 28 (Scriabin)	Irlandaise
Bad Bad Leroy Brown	Fine And Dandy	Irving Berlin Medley
Ballade in D Minor, Op 10 No 1	Finian's Rainbow	Isn't It Romantic
Basin Street Blues	First Kiss	It Came Upon A Midnight Clear
Battle Hymn/How Great Thou Art	Five Foot Two, Eyes Of Blue	It Might As Well Be Spring
Beautiful Dreamer	For The Good Times	It Was A Very Good Year
Benny Goodman Medley	Forty-Second Street	It's A Grand Night For Singing
Blessed Assurance	Forty-Second Street, part 1	It's De-lovely
Blue Skies	Forty-Second Street, part 4	It's Impossible
Blues For Big Scotia	Frosty the Snowman	It's Not For Me To Say
Border Song	Georgia On My Mind	
Bringing In The Sheaves	Get Happy	Ivor Novello Medley
Brother Can You Spare A Dime	Ghostbusters Theme	Jeepers Creepers
Burton Lane Medley	Glenn Miller Medley	Jesus, Jesus Rest Your Head
Candle Blessings	God Bless America/America The Beautiful	Jesus, The Very Thought Of You
Captain Jack	God Rest Ye Merry Gentlemen	Jolly Old St. Nicholas
Carolina In The Morning	Gone With The Wind	

Complimentary Song List

Killing Me Softly With His Song	Paganini Etude No. 3 (La Campanella)	Thanksgiving
Killing Me Softly With His Song	Paper Moon	That Old Black Magic
La Cage Aux Folles	Penny Lane	That Old Feeling
Lazy Bones	Phantom Fantasy	The Birth Of The Blues
Le Chemin de Fer (Alkan)	Pizzicato Polka	The Entertainer
Leola	Please Be Kind	The Fantasticks
Les Miserables	Polka Medley	The Folks Who Live On The Hill
Liebesleid (Kreisler/Rachmaninov)	Polonaise in A-flat, Op 53 (Chopin)	The Gift
Liebestraum No. 3 (Liszt)	Polonaise, Op 26 No 1	
Linus & Lucy	Prelude No 1 in C (WTC I)	The Hut Sut Song
Lookin' For Love	Prelude No 10 in E Minor (Bach/Siloti)	The Moth Waltz (Straus/Tausig)
Love And Marriage	Presto, Concert Piece No. 2 in D Minor (Mendelssohn)	The Nearness of You
Love Letters	Reverie, Op 3 (Joel)	The Nearness of You/One Morning In May
Love Makes The World Go Round	Romanze from Concerto No 1	The One I Love (Belongs To Somebody Else)
Love Walked In	Rose of Washington Square	The Phantom of the Opera
MacNamara's Band	Rosenkavalier Waltzes (R. Strauss)	The Rose
Manhattan	Ruby	The Sheik of Araby
Masquerade	Rudolpho's Narrative (La Boheme)(Puccini)	The Sound of Music II
Mazurka, Op 6 No 3	Sad Songs	The Stranger
Medley No. 1	Santa Claus Is Coming To Town	The Talk Of The Town
Memories Of You	Satin Doll/They Can't Take That Away From Me	The Tribute
Memories of You/As Time Goes By	Sea Songs Medley	The Trolley Song
Minuet (Boccherini)	Semper Fedelis	The Twist
	Send In The Clowns	The Very Thought Of You
Minuet in G, Op 17 No 2	Shadow Waltz	The Way It Is
Moderato, from Haydn Sonata in E	Shall We Gather At The River	The Way You Look Tonight
Moondance	Since I Fell For You	The Wizard of Oz
Moonglow	Six Variations on Nel Cor Piu	
Moonlight and Roses	Smells Like Teen Spirit	Third Movement - Piano Concerto in E-flat
Moonlight Cocktail	Smoke Smoke Smoke	Through The Eyes Of Love (Ice Castles)
Moonlight In Vermont	So Am I	To Beat The Band
Moonlight Serenade	Some Other Time	Tommy Dorsey Medley
	Something	True Love
Moonlight Sonata, 1st Mvt.	Somewhere Out There	Unforgettable
More	Sonata No 4 in F-sharp, Op 30 (Scriabin)	Up On The Housetop
Morning Has Broken	Sophisticated Ladies, part 1	Valentine
Morning Sun	Sophisticated Ladies, part 2	Valse Impromptu in A-flat (Liszt)
Mr. Jelly Lord	Southern Nights	Volare
Muppet Show Theme	Souvenirs D'Andalousie (Gottschalk)	Walkin' After Midnight
Music, Music, Music	Spencil Hill	Waltz in A-flat, Op 39 No 15 (Brahms)
My Christmas Song for You	Speak Softly Love	Waltz No 1 (Joel)
My Foolish Heart	Spinner's Song , Op 67 No 4 (Mendelssohn)	We Three Kings
My Heart Stood Still	Stars Fell On Alabama	What Child Is This (Greensleeves)
New Hampshire Hornpipe	Straight Ahead	What The World Needs Now
Niteflite	Stumbling	When My Baby Smiles At Me
No No Nanette	Suite, Op 14 No 1 (Bartok)	Where Everybody Knows Your Name (Cheers)
Nocturne in F (Chopin)	Suite, Op 14 No 2 (Bartok)	White Christmas Medley
O Christmas Tree	Suite, Op 14 No 3 (Bartok)	Who Is It?
Oh Happy Day	Sweet And Low Down	Who Wants To Live Forever
On Golden Pond	Sweet Rosie O'Grady	Wonderful Words Of Life
	Taking A Chance On Love	You Light Up My Life
On The Sunny Side of the Street	Tango (Albeniz)	Young At Heart
Only Trust Your Heart	Thank You	Zing Went The Strings Of My Heart
Ooh! Look-a There, Ain't She Pretty	Thanks For The Memory	
Oops! I Did It Again		

**PNOmatation II® UPDATE/UPGRADE PACKAGE
LIMITED WARRANTY**

**PNOmatation II® Update/Upgrade Package
ELECTRONICS LIMITED WARRANTY**

QRS Music Technologies, Inc. ("QRS") warrants to you for the Warranty Period that there are no defects in the materials of this Product (as identified at the end of this warranty certificate). The "Warranty Period" expires (except as explained below) Two (2) years from the date of your purchase of the Product. In order to determine the date of your purchase of the Product, you will need to provide to us a credit card receipt, a purchase agreement, a sales slip, a warranty registration or some other form of proof that you are the original purchaser and the date of your purchase of the Product.

If you are not able to provide us with some form of proof of purchase date, the Warranty Period will be a shorter period (the "Shorter Warranty Period") which is two years from the date that your dealer purchased the Product from QRS. If you cannot provide a proof of purchase date, you may contact us in the manner described below and we will assist you in determining the date that your dealer purchased the Product from us and determining the Shorter Warranty Period. This is a warranty for parts only and does not include shipping or labor.

This warranty does not apply to any accessories you may have purchased with the Product and does not apply to any piano or components of the piano with which the Product is used or any Piano in which the Product is installed. In addition, this warranty does not cover scratches, dents or other defects in the cosmetic finish of the Product.

The warranty is issued solely to the original purchaser of the Product. THIS WARRANTY IS NOT TRANSFERABLE. If, during the Warranty Period, parts incorporated in this Product are found to be defective in material or workmanship, and the original purchaser provides Purchase Documents to QRS, then QRS or its authorized dealer will provide replacement parts without charge. We may, at our discretion, provide reconditioned parts or assemblies as warranty replacements. You as the original purchaser will be responsible to pay labor costs incurred in connection with any repair.

LIMITATION IN CONNECTION WITH OBSOLETE PRODUCTS

If at the time you make a claim pursuant to this warranty, we no longer manufacture or sell the same model of Product, we may, at our discretion, rather than repair or replace defective parts in the Product, offer to sell you a more current version of a similar Product. If we offer to sell you a more current model of the Product, you will be responsible to pay the difference between the Manufacturer's Suggested Retail Price ("MSRP") of the more current version of a similar Product and the price you paid for the Product you purchased. If you choose not to accept such offer, we will have no further obligations pursuant to this warranty.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, MADE BY THE MANUFACTURER IN CONNECTION WITH THIS PRODUCT. INCLUDING, BUT NOT LIMITED TO, WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ALLOWED BY THE LAW, QRS SHALL NOT BE RESPONSIBLE FOR LOSS OF THE PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF THE MANUFACTURER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This warranty gives you specific legal rights. Some states provide other rights, and some states do not allow excluding or limiting liability for incidental or consequential damage. Consequently, the limitations and exclusions in this warranty may not apply to you. In addition, some jurisdictions have consumer protection rules, regulations and statutes that may apply to you.

**PNOMation II® UPDATE/UPGRADE PACKAGE
LIMITED WARRANTY**

Exclusions

There is no express warranty on the Product and this warranty is void if:

1. You did not purchase this Product from an authorized QRS reseller
2. This Product has been serviced, modified or tampered with by anyone other than an QRS Authorized Service Representative
3. The name, trademark or serial number has been modified, defaced or removed from the product,
4. This Product has been damaged as a result of abuse, abnormal force or strain, failure to reasonably maintain and protect, modification, accident or exposure to extreme temperature or humidity,
5. Parts, supplies or other accessories which have not been approved by QRS have been used with this Product,
6. Radio frequency interference is generated by uncertified and/or illegal equipment,
7. This Product has been moved or delivered without reasonable preparation and packaging or
8. QRS reasonably determines, after inspection that there has been modification of this Product which adversely affects the reliability of the product or component.
9. Replacement of the SD card and its contents.

Owner's Responsibility

In order to have rights under this warranty, you have the following responsibilities:

1. Retain your proof of purchase and purchase date and register your product either online at qrsmusic.com or send in your Warranty Registration Card
2. Notify QRS or any authorized dealer of any warranty claim within ten (10) days after discovery and provide a detailed explanation of the problem.
3. Maintain current content and software updates - (best achieved by placing your system on a secure network)

General

If any provision herein shall be unlawful, void or for any reason unenforceable, then that provision shall be deemed severable from this warranty certificate and shall not affect the validity of and enforceability of the remaining provisions.

QRS reserves the right to make changes in design and/or improvements to its products without any obligation to retrofit products previously manufactured.

INSTRUCTIONS FOR OBTAINING WARRANTY SERVICE

1. If you cannot provide proof of purchase, contact QRS at 800-247-6557 and we will attempt to determine the date on which your dealer purchased the Product and assist you in determining the Shorter Warranty Period. For warranty service, contact the dealer from whom you purchased the product, or your nearest dealer.
2. If no dealer is near you, contact QRS by phone at 800-247-6557.
3. Do not ship the product without prior written Return Authorization from QRS. Do not attempt to repair or disassemble the product yourself.
4. Please record your model number and serial number and your date of purchase below for your records. Keep this information with your proof of purchase in case your product requires service. Do not dispose of the warranty after it expires. In the event your product ever requires service, these instructions should be helpful in enabling you to obtain proper service.

Product Model # _____ Product Serial # _____ Purchase Date _____

