

# Concerto DA300

## User Manual



Accordions International

1760 South 450 West  
Salt Lake City, UT 84115

[www.ConcertoSupport.com](http://www.ConcertoSupport.com)

# Concerto DA300

## User Manual

### Introduction!

Thank you for purchasing the your new Concerto DA-300 Digital Acoustic Accordion. This newest model represents over 25 years of research in developing the finest electronics married with a great acoustic accordion. Your Concerto, although it looks like just one instrument, is really a combination of two great instruments in one.

The Concerto, first and foremost, is a wonderful acoustic accordion with great accordion reeds. The reeds found in the Concerto are some of the finest Italian reeds available. Please take the time to familiarize yourself with the acoustic portion of your Concerto before connecting the electronics.



Remember your Concerto is a fine acoustic instrument and is played using the bellows to create the air that sets the reeds in motion. Also because the Concerto is a fine acoustic instrument remember to treat it like you would any fine musical instrument. Always store your accordion in your home on an inside wall (when not in use or in storage) – away from moisture and never leave your accordion in the car for any prolonged period of time in the heat or in the cold. Just an hour or two in the car on a summer day can destroy any nice accordion. The heat will melt the bees wax used to hold the reed plates to the reed-blocks causing great damage to the instrument. As with any fine instrument keep dust to minimum – we recommend either putting your Concerto back in its case or using a dust cloth to cover your accordion when not being played.

DO NOT USE Solvents or acetone of any type as they can permanently damage the finish of the accordion. We recommend Uncle Paul's cleaner to clean your Concerto as it is safe for all accordion finishes – spray a soft cloth with the cleaner and then wipe and polish your accordion.

Please read through this manual and keep it as a reference guide as you become more adept with the many features of your new Concerto DA300. This manual is set up to walk you through 3 basic ways to familiarize yourself with the Digital sounds included in your Concerto. We assume you already know how to make the reed selections and play the acoustic section.

*Last a note on playing the TWO instruments in ONE – and important word is EXPRESSION:*

1. Acoustically your Concerto is played by moving the bellows as every accordion player has been taught – the more pressure you apply the louder the sound and the phrasing with the bellows is much like moving the bellows like a violinist moves his bow over his violin to make sound.
2. Digitally – the Concerto has an expression pedal that allows you to express the electronics of the Concerto – much like a fine theater organ. Also touch sensitivity is available on the keyboard of the accordion to help greatly with sounds like Piano, Guitar, or Vibes for example – sounds that are struck or plucked.

If this is your first time playing an instrument with both reeds and electronics you might want to snap the bellows shut for a few days and get use to expressing your music using your right foot on the expression pedal. After you master this technique then you can learn to interweave the sounds of the reeds with the digital sounds by use of the bellows and the expression pedal independently. Example **you can bring up the sound of the acoustic accordion by pulling of pushing the bellows harder and backing off the expression pedal** – and conversely you can **bring out the digital sounds by backing off the bellows and depressing the expression pedal** to create a wonderful blend and conversation between the two instruments in one!

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# Chapter 1

## THE GRILL & CONNECTIONS!

### What you will need for this Chapter!

Your Concerto is supplied with the following items – please make sure you have them all!

- Concerto Accordion – including straps and case
- Battery for Concerto with special power cable
- Stereo Y Cable for Concerto internal microphones – *for home use we recommend you not connect the internal microphones – the reeds are powerful – reserve the use of this cable for playing larger venues.*
- Concerto Sound Generator
- Power supply for Sound Generator
- Audio cables for Sound Generator
- Digital Expression Pedal
- 5 PIN Din cable for Expression Pedal
- 4 Way Effects Pedal
- 5 PIN Din cable for 4-way effects pedal
- Concerto Android tablet
- Case and power supply for tablet

You will also need a keyboard amp or some sort of a sound system for the digital voices of the Concerto. We would recommend that at home you play your Concerto acoustically without using the internal pickups. It is a great accordion with powerful reeds. The sound will be richer as the sound of the accordion emanates from the accordion while the digital sounds emanates from the sound system – giving a fuller more realistic effect of more than one instrument playing.

Also not having the reeds amplified helps you keep the volume level lower at home to avoid hearing damage. **Be careful as prolonged loud sounds can permanently damage your hearing.**

In the photo are the following items starting at the bottom left and moving clockwise.

- Power Block w/charger for Concerto – fits in chest-pad
- Generator Power Adapter
- Expression Pedal with 5-pin Din cable connected.
- 4-way Effects Pedal with 5-pin Din cable connected.
- Concerto Generator Box
- Audio Leads (stereo with orange and gray cables – mono would connect to LEFT out only) going to your amp, mixer or sound system.



## Connecting your Concerto!

Your Concerto uses both wires and Bluetooth to connect and it is important you understand how to make both types of connections. We will start first with the Generator Box connecting to the power and amplifier and then proceed to the Concerto accordion and tablet.

### STEP ONE – Connecting first the Concerto wireless Sound Generator.

For this you will need the following – see picture on page 3:

1. Concerto generator box
2. Generator 9 volt power supply
3. Concerto expression Pedal
4. Concerto 4 way foot switch
5. Left (MONO) and Right Audio cables to your amplifier or mixer

The steps are simple:

- Step 1 - Locate the LEFT (MONO) RIGHT audio outputs on the Generator box. Connect either a single MONO lead from the LEFT output to your amp – or for STEREO connect both the LEFT and RIGHT audio leads to your amplifier(s) or mixer.
- Step 2 – Locate the expression pedal connector and connect the Concerto digital expression pedal
- Step 3 – Near the Expression jack connect the 4 way effect footswitch to the jack labeled Effect
- Step 4 – Connect the power adapter to the DC Power socket on the generator box and you can plug power supply into the wall now – or wait until you Powering UP your Concerto on the next page\*!

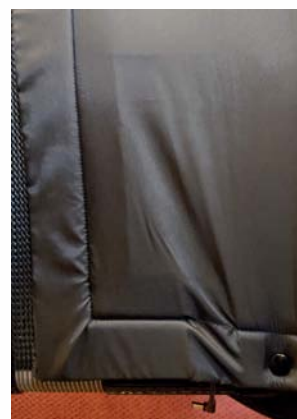
### STEP TWO – Preparing your Concerto for Power UP.

For this you will need the following:

1. Concerto accordion
2. Supplied High-Speed Portable Power Bank (Battery)
3. Supplied Micro USB to USB Charging Cable – or optional Apple Style lightening cable
4. Concerto Barrel to USB cable.

Simply follow these steps

- Step 1 – Make sure the Power Bank is charged (to charge your Power Bank see instructions and tips at the end of this chapter)
- Step 2 plug the supplied Concerto Barrel into the USP OUTPUT of the Power Bank
- Step 3 insert the power bank and cable into the special power bank pocket on the underside your Concerto chest pad – see picture (folding chest pad over on itself as pictured).  
Slide the cable in first so that it passes thru the slot at the bottom of the packet and then slip the power bank and lay the chest pad back to playing position



## What to expect on POWER UP!

**\*First** connect your Concerto Generator with the supplied power supply to a power outlet. The RED power LED on the Generator box will start flashing – indicating that it is looking for the Concerto Accordion.

**Second** plug in the Concerto battery cable. When the Concerto is first plugged in the following will happen usually within several seconds:

- The Orchestra 2 LED will flash indicating the instrument is in its power up mode.
- The Bass 1 LED will turn on and momentarily the LED's will run left to right and then connect usually within ten seconds or less.
  - *If the LED's are running right to left – then please see trouble shooting for how to pair Concerto to Generator*
  - *If the LED's continue running left to right and nothing happens after about 15 seconds – then most likely your generator box does not have power.*
- The Concerto will turn on Factory Register 1 and at this point the Concerto generator red LED will now be solid indicating they are linked and communicating wirelessly – and you are ready to play your Concerto.
  - Things to remember – the intelligence is located in the Generator Box – should you unplug your Concerto battery pack and then plug it back in again the Concerto will be told to return to exactly the same settings as before the power to the accordion was pulled. The only visual difference is if you chose one of the 32 tones on the front panel\* the sound will return but not the LED – example if you select Banjo before turning off the power then that LED will not come on when the Concerto is repowered – but the banjo sound will still be selected.

\*Please take the time to read the next Chapter - The first steps to exploring and understanding you Concerto.

A few final notes on powering up your Concerto. We have taken the time to pair your supplied Concerto to the supplied Generator and Tablet. Hopefully you would not need to know how to un-pair or re-pair your devices.

Please note that on the bottom of you Concerto Generator box is a label with a unique Bluetooth ID code. Should you be in a location with multiple Concerto accordions your tablet may show multiple Concerto accordions – you can always tell which one is yours by comparing this ID code. This will come in handy for traveling with just your tablet as you can bring all your settings to another Concerto.

## Internal Microphones

Your Concerto accordion has microphone pick ups installed. See the two volume knobs on your grill – the one closest to your chin is for the treble side and the knob closest to your lap is for the bass side. When playing at home or for smaller venues it is much nicer to NOT use the microphones. Your Concerto has a powerful acoustic instrument the will sound richer and fuller when not amplified. Also when the sounds of the reeds are mixed with the digital sounds coming from the same speaker it loses a little something. If you are playing at a larger venue and need amplified accordion then we have supplied you with a stereo Y cable for these occasions. It would be best if you need to amplify your accordion you use a separate amplifier for the reeds. This will create a much richer and realistic sound.

Remember the microphones are electric condenser mics and require power – so when the lights are not ON the mic-system does not work. If you require the mic-system to work without the electronics – to perform as an acoustic accordion then please see us for the optional battery installation.

## Launching The Concerto Tablet

Your Concerto comes with an Android Tablet with a PRE-Installed Concerto APP, and like your Concerto Accordion & Generator, is already paired and ready to go.

For advanced programming you will need a Wi-Fi Internet connection to save and recall your custom registrations – and you may also share these with fellow Concerto friends. For now you only need to:

1. Power on your tablet
2. Wait for it to come to the home screen
3. Then simply touch the Concerto APP on the main screen to get started.

The APP will open in the programming screen and you will see a GREEN Dot appear in the middle of the screen near the top directly beneath Master Settings & Footswitches – it says for example John's\_GEN and when the dot your tablet is connected to your Concerto Generator & Accordion. For more details about using the Tablet see Chapter 4.



Touch PLAY and you are ready for Chapter Two – Playing the Factory Eight sounds on your New Concerto! The APP has two main screens – it always comes up in the programming screen and to alternate to the PLAY screen simply touch the Orange Square button labeled PLAY.

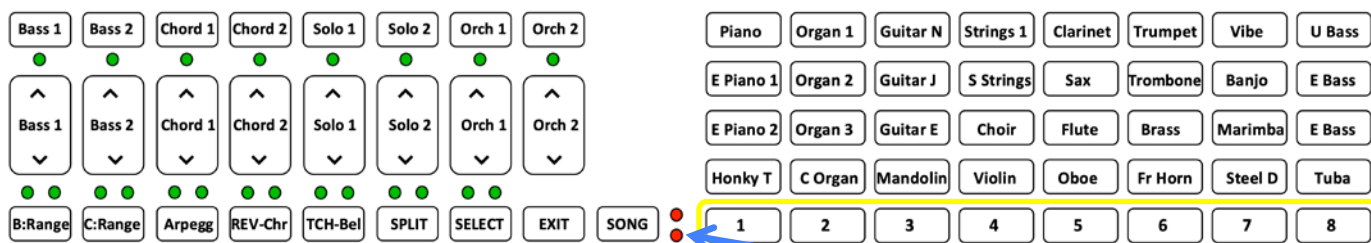


# Chapter 2 – THE BASICS

## FACTORY 8 – ORCHESTRATOR – ADJUSTING VOLUMES – THE 32 TONE BUTTONS

Now that you know how easy it is to connect your Concerto wirelessly it is time to explore some vital first steps. Below we will discuss the various First Steps you should take in exploring your Concerto.

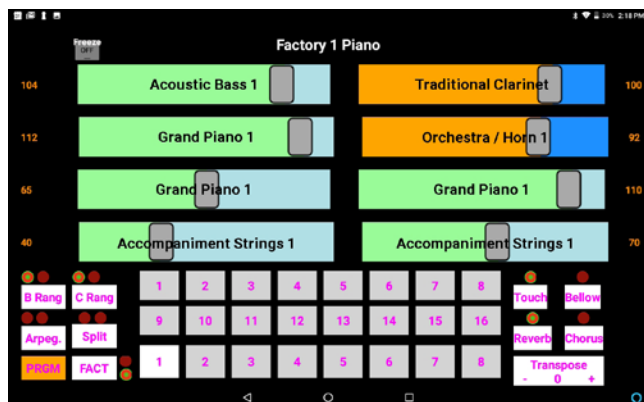
### Factory Registers



The 8 Factory Register registers (yellow box bottom right above) should become your friends. This SONG LED means you have factory registers – the SONG LED above is for your own custom registers – more about this later. The Factory Registers feature 8 different families of instruments and will help you not only to play and enjoy your Concerto immediately but will in the future be helpful in building your own custom registers.

Each of the 8 Factory Registers is a miniature set up of sounds including sounds that can be added or taken away during your performance with either the orchestrator or phantom pedal in a live performance – but also new sounds can be selected live. This flexibility sets the Concerto apart from its competition – so let's have some fun and get started!

### Factory Register 1



They say a picture is worth a thousand words – with your Concerto and Tablet connected touch the Orange PLAY Screen in the lower left corner of the Tablet – the tablet will now display all the sounds stored in Factory Register 1.

On the left of the screen are the 4 sounds for the Left Hand and to the Right are the 4 sounds for the right hand of the Concerto. To the outside of each of above sections are outlined with numbers indicating volume settings:

104 BASS 1	Acoustic Bass 1 - <b>GREEN ON</b>
112 BASS 2	Grand Piano 1 - <b>GREEN ON</b>
65 CHORD 1	Grand Piano 1 - <b>GREEN ON</b>
40 CHORD 2	Accompaniment Strings - <b>GREEN ON</b>

Orchestra Horn 1 - <b>ORANGE OFF</b>	SOLO 1	100
Orchestra / Horn 1 - <b>ORANGE OFF</b>	SOLO 2	92
Grand Piano 1 - <b>GREEN ON</b>	ORCH 1	110
Accompaniment Strings - <b>GREEN ON</b>	ORCH 2	70

Factory 1 (Pre-selected on power up of the Generator & Concerto) You should see Features a Grand Piano with touch sensitivity – for the moment play a simple song like the Entertainer with just the bassoon reed on the treble side and hear the wonderful combination of the acoustic accordion with the grand piano.

You can now explore the other 7 Factory Registers with or without the tablet –

Before we explore the rest of the 8 factory registers – let's have some fun and learn how to use the Expression Pedal, the four- footswitch (pedals on the floor) plus the Orchestrator both on the accordion and from the tablet and the 32 tone buttons on the grill of the accordion.

### Expression Pedal



For many accordion players this is a new experience – think of a gas pedal – the more you push it down the louder the digital voices sound and the more you back it off the softer the sounds. The two butterfly switches are to advance and decrement the registers. Example pushing the right Flap will cause the Concerto to advance to it's next register (if you are in factory mode then it will go from 1 to 2 and keep cycling up until it wraps around from 8 back to 1 – in user mode it continues going UP thru all 128 user registers – more about that later).

*At anytime you can play your Concerto and hear for example Factory Song 1 with Grand Piano and Strings and how the Expression Pedal affects the*

*sound – but also you have a touch sensitive keyboard –so the harder your strike the keys the louder the piano sound – touch sensitivity will be covered fully later in the manual.*

*Remember you also have a real accordion with bellows to express the reed sounds.*

*You can also test the Advance butterfly flap by pushing gently to the right – the Concerto will advance to factory 2 ORGAN setting without touch sensitive keyboard – like a real organ – Now the expression pedal becomes even more exciting!*

### Four-Way Effects Foot Switch - PHANTOM



The four ways foot effects foot switch has one permanent switch PHANTOM (the first pedal to the left) and three programmable switches (the next three pedals from left to right) referred to in this manual as foot switches A, B & C.

Phantom – think of the Phantom as a Phantom keyboard that comes and goes. Or another way of thinking is like another manual (keyboard) on an Organ. When you touch the Phantom pedal your accordion keyboard switches to a second

keyboard and then returns again when you turn the Phantom off. But we go further. How do you know Phantom is ON? You will notice the following things happen. On the accordion the register button (example Factory 1) button will FLASH when the Phantom is engaged and will stop flashing when the Phantom is turned off. Also from the tablet the register will flash and also in the PLAY Screen the appropriate sections will turn Pink – more about this later. The Phantom is used in one of two ways:

ONE – you can carry on a musical dialog – *See the musical example on page 11.*

TWO – You can play live the illusion of an overdubbed musical line. Play a note or notes and while you are holding them press Phantom and play a new musical line – the held notes remain the first sound while any new notes played are from the second keyboard. Depressing the Phantom again and you return to the original keyboard.

### Four-Way Effects Foot Switch A | B | C

Footswitches A, B & C are programmable and can be set to perform one of 3 Functions – plus off. You can set a different program for the footswitches for each overall register of the Concerto. How to program the footswitches will be discussed further into the manual and is done with the tablet. But here is an overview of what they can do.

1. CONTROL – you can set a Control function like a piano sustain pedal and assign it to any or all of the 8 Concerto musical sections (Bass1, Bass 2, Chord 1, Chord 2, SOLO 1, SOLO 2, Orch 1, Orch 2). By default the foot switches are set to the following in each of the factory 8 Registers  
 A – Sustain pedal as on the Piano  
 B – Sostenuto Pedal – as found on a Grand Piano – it sustains only those notes being held down when the pedal is depressed. This pedal may also be used as a HOLD pedal to hold a note or notes of any instrument sound – like holding the note of an clarinet in one octave while playing a counter melody in another octave.  
 C – Damper Pedal – the soft pedal of the piano
2. NOTE – This allows the assigned pedal (A B or C) to play any musical sound and desired note. The programming is easily done from the tablet – see chapter???
3. DRUM – This allows the assigned pedal (A B or C) to play any drum or sound effect. Again the selection is simple when done with the tablet – see chapter???
4. OFF – This shuts off the pedal so that it has no effect during the current register – to select this function see chapter??

By default you will find A, B & C pedals to be the effects of *the three pedals found on a piano*. Sustain, Sostenuto and Soft pedal. More about each of these four pedals work on page 33 as A, B, & C can be programmed to do many different things. But for today we will explore first three-foot switches as they are set by default.

### Exploring Factory Register One



Factory 1 – Grand Piano with accompaniment strings – when you play notice how the piano sound is percussive and decays as you hold down a key but the strings fill in slowly and takes the place of the piano sound when a note is held. If you play faster staccato notes all you hear is the piano and for notes that are held for several counts you will

hear the accompaniment strings fill in as the piano decays away.

### EXPRESSION

Using the expression pedal you can control the over all volume of the digital voices while the bellows control the acoustic accordion reeds. We have one example here that will allow you to get used to the phantom pedal as well as Touch Sensitivity on the Keyboard – later you will learn how to adjust the touch settings.



**Bellows = Reeds**

**Phantom - Musical Example** - Practice using the Phantom pedal and hear a musical dialog between the piano and the clarinet in this short excerpt of Scott Joplin's the Entertainer – suggested reed selection would be treble Bassoon and low bass register for bass reeds. Let the Piano and Clarinet sing out!

For some added fun you could select the Honky-tonk Piano button #68 from the front grill of the accordion. Note that the Orchestra 1 #23 LED should be flashing allowing you to replace the pre assigned Piano with Honky-tonk.

## The Entertainer - Sample

Phantom can be engaged anytime during a held note - and the new notes become the new sound.

Music by Scott Joplin

**Moderately (not too fast)** ♩ = 96

Phantom ON

Phantom OFF

Accordion

The first system of musical notation for 'The Entertainer' is in 4/4 time. The treble clef staff contains the melody, and the bass clef staff contains the piano accompaniment. The tempo is marked 'Moderately (not too fast)' with a quarter note equal to 96 beats per minute. The key signature has one sharp (F#). The system shows measures 1 through 4. In measure 2, the piano part has a 'M' (Middle) and a '7' (Seventh) chord. In measure 3, the piano part has a 'M' and a '7' chord. In measure 4, the piano part has a '7' chord. Arrows indicate 'Phantom ON' at the start of measure 2 and 'Phantom OFF' at the start of measure 4.

Phantom ON

Phantom OFF

The second system of musical notation shows measures 5 through 8. The piano part has a 'M' and a '7' chord in measure 5, a 'M' chord in measure 6, and a '7' chord in measure 7. Arrows indicate 'Phantom ON' at the start of measure 5 and 'Phantom OFF' at the start of measure 8.

Phantom ON

Phantom OFF

The third system of musical notation shows measures 9 through 12. The piano part has a 'M' and a '7' chord in measure 9, a 'M' and a '7' chord in measure 10, and a '7' chord in measure 11. Arrows indicate 'Phantom ON' at the start of measure 9 and 'Phantom OFF' at the start of measure 12.

\*Optional Phantom - last line Phantom is for Advanced Phantom technique

\*Phantom ON

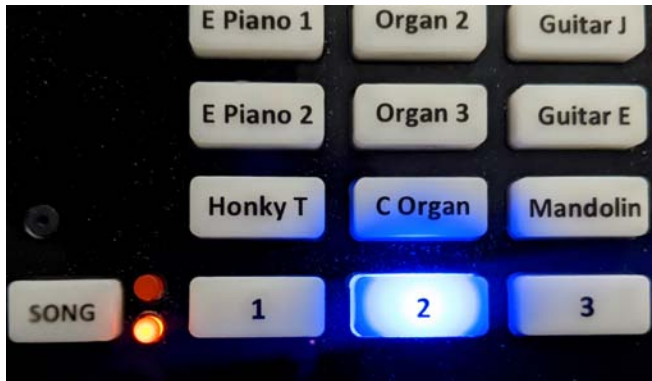
\*Phantom OFF

\*Phantom ON

\*Phantom OFF

The fourth system of musical notation shows measures 13 through 16. The piano part has a 'M' and a '7' chord in measure 13, a 'M' and a 'm' (minor) chord in measure 14, a 'M' and a '7' chord in measure 15, and a 'M' chord in measure 16. Arrows indicate '\*Phantom ON' at the start of measures 13, 14, and 15, and '\*Phantom OFF' at the start of measure 16.

## Factory Register 2



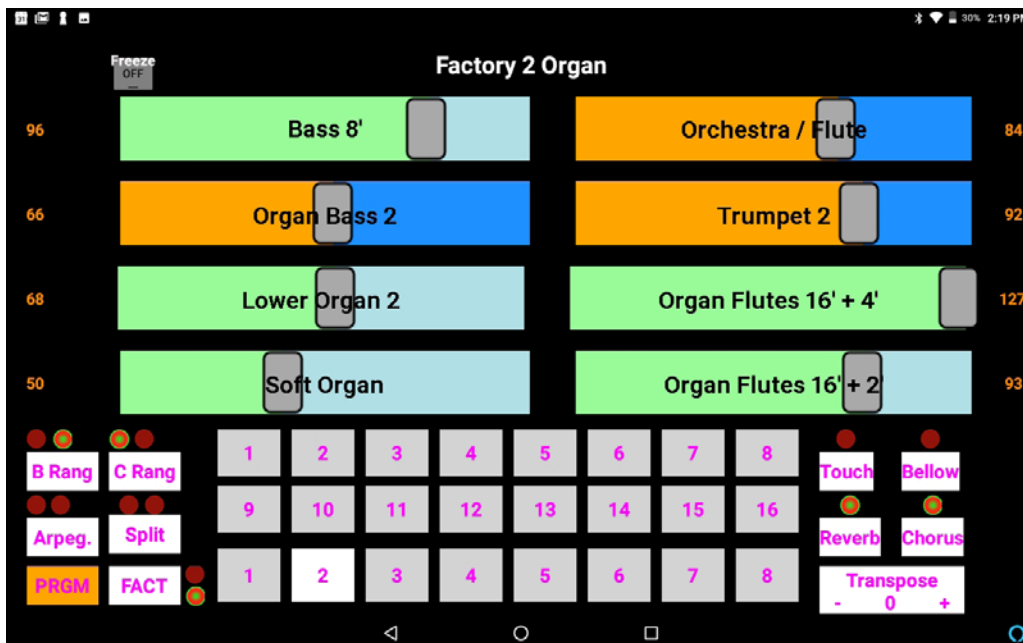
Featured treble sound is a drawbar organ including on the bass buttons the 8' organ pedal bass and on the chord buttons the lower manual organ sounds for accompaniment. Solo 1 is Orchestra with Flute and Solo 2 Trumpet. This register features the Orchestra Flute as the Phantom voice.

HINT – You can try some other organ sounds immediately. For example if you prefer to hear a Jazz Organ – with the Orchestra 1 #23 (see button diagram on page 21) LED flashing you can replace the Organ Flutes with Organ 2 button #53 which is a Percussion Organ.

Note that the treble keyboard acts very differently from Factory 1 – the Piano utilizes touch sensitivity and allows you to bring the Piano alive – as each note you play is different in volume and timbre based on how they keys are played. For Factory 2 the keyboard responds just like an Organ – it is immediate. As soon as the key begins to be depressed the organ sounds – remember the Expression Pedal - it will bring your Organ sounds alive!

There are many more Organ sounds that can be selected from the tablet – which will be explained later in the manual. Factory Register 2, like each of the 8 registers, can be used as the basis to make many new personalized registers. Example if you like the Percussion Organ then that can be saved to one of your 128 personal user registers. But we are getting ahead of ourselves – for this chapter we are discovering the 8 factory registers.

Again – like Factory 1 there is a phantom keyboard that you can invoke at anytime with the phantom pedal on the floor. We have included one last example to try with Factory 2 – an excerpt from Granada – featuring the Organ and Flute with Orchestra





## Excerpt from Granada

Phantom can be engaged anytime during a held note - and the new notes become the new sound.  
A musical dialog between the Organ and Orchestra w/Flute

Agustin Lara

**Allegro** ♩ = 132

Accordion

5

Phantom ON

Phantom OFF

9

13

Phantom ON

Phantom OFF

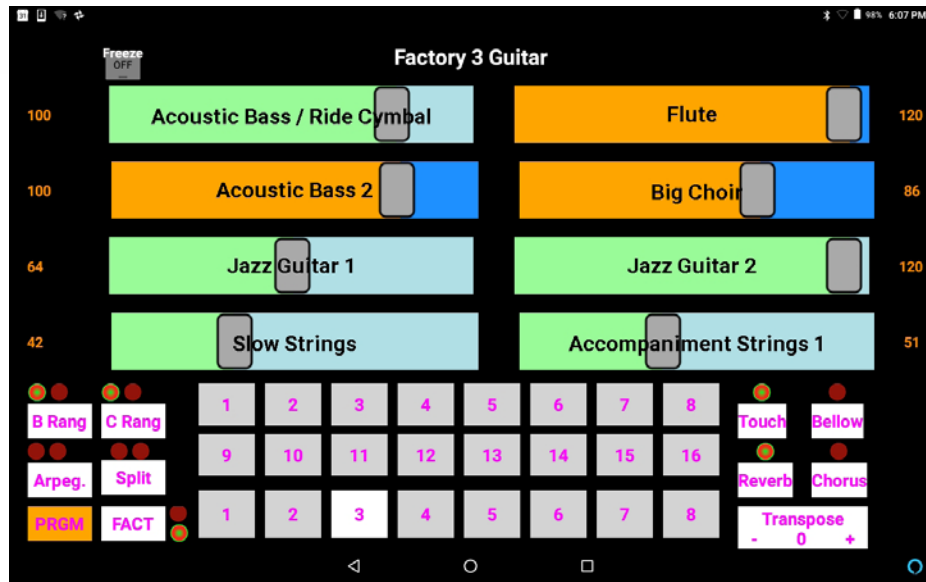
M

M

### Factory Register 3



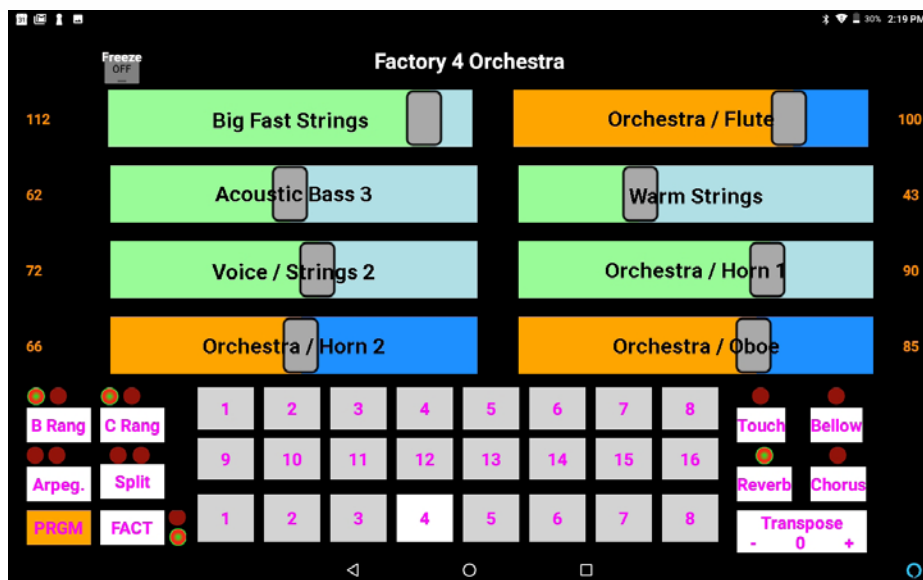
Featured treble sound is a Jazz Guitar layered together with Accompaniment Strings. The phantom voice is Flute.



### Factory Register 4



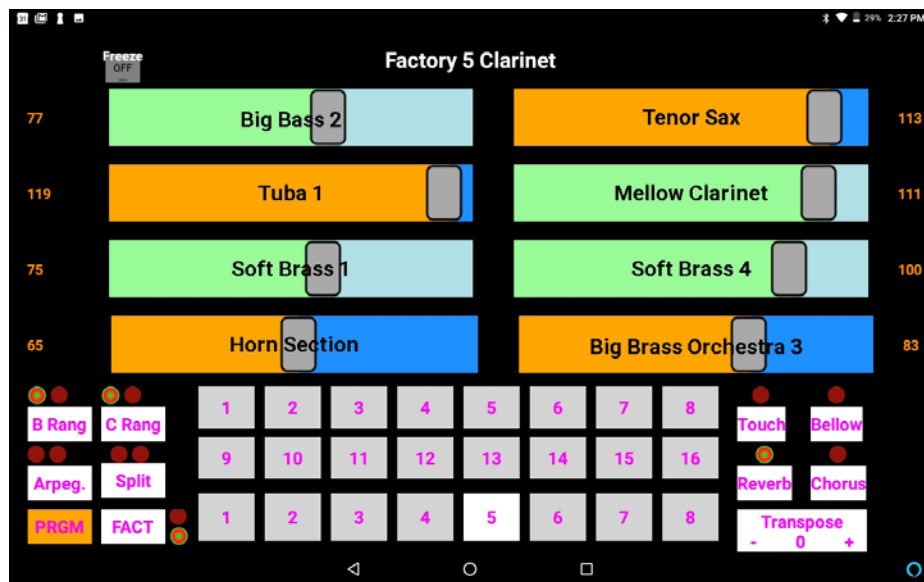
The Concerto Orchestra – featuring Horns and the Phantom featuring Orchestra with Flute



### Factory Register 5 – SOLO Clarinet



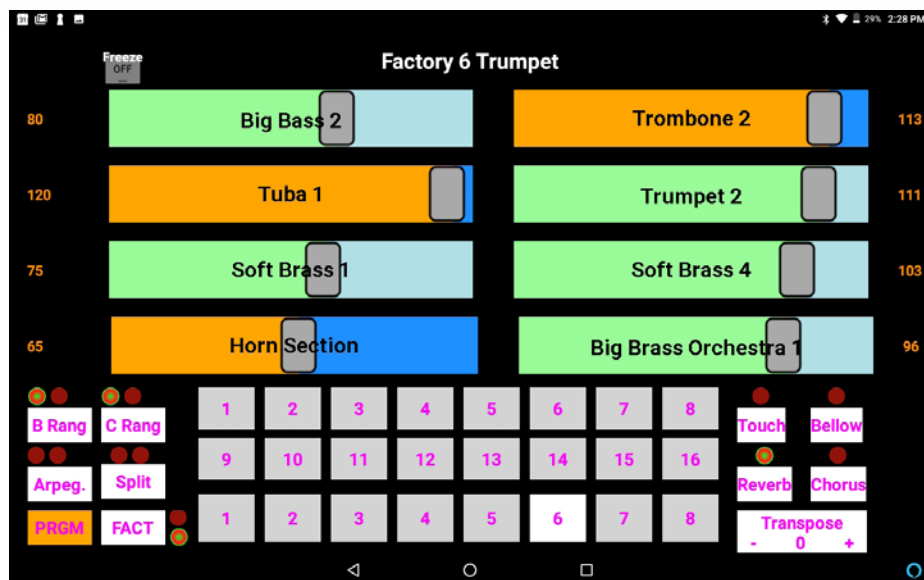
Factory 5 features a lead Clarinet with brass – note the Clarinet plays only on the melody note while the soft brass plays on all notes depressed. The phantom is Tenor Sax.



### Factory Register 6 – SOLO Trumpet



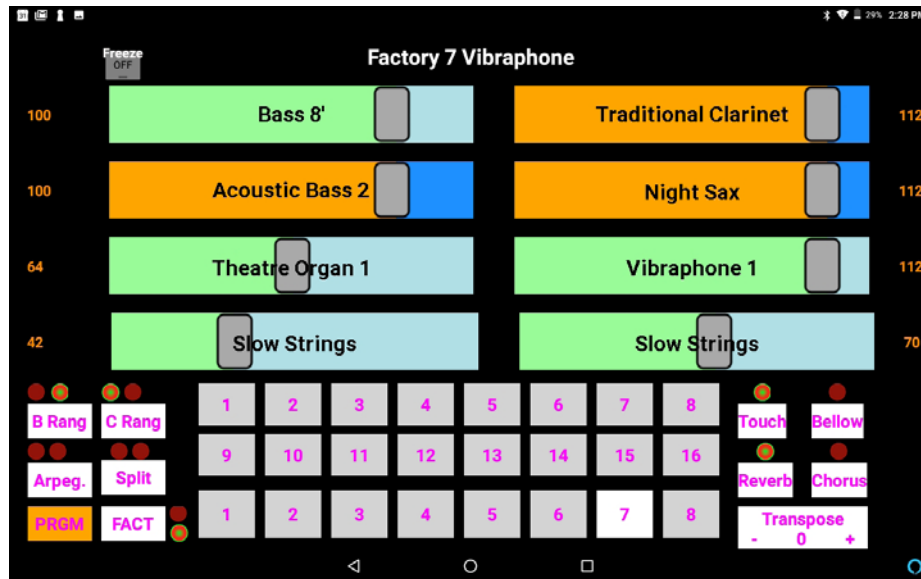
Factory 6 features a lead Trumpet and reacts just like Factory 5 but with the Trumpet taking the lead along with both soft brass and brass orchestra.



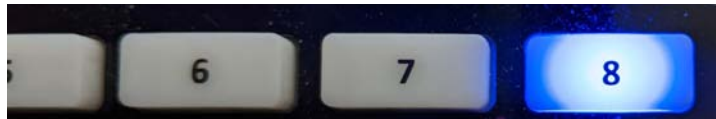
### Factory Register 7 - Vibraphone



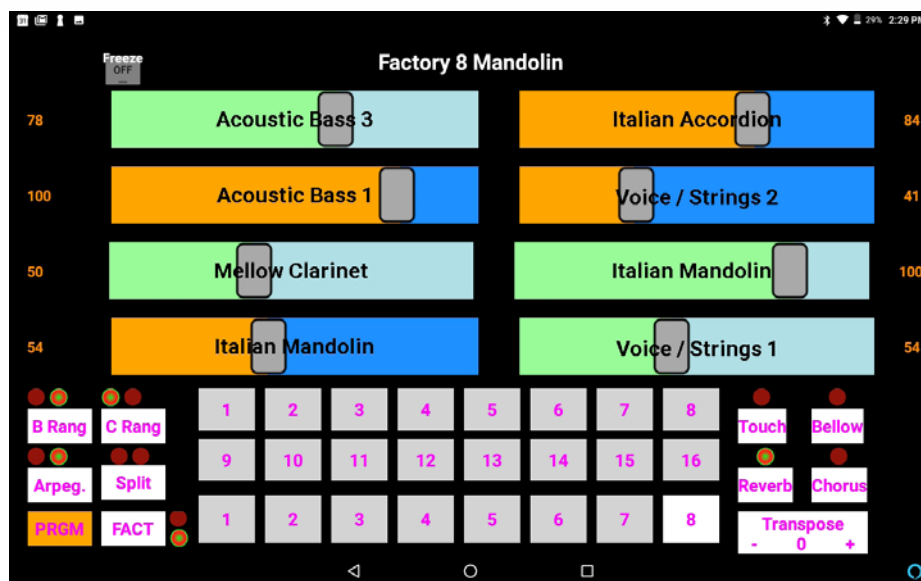
Featured treble sound is the Vibraphone layered together with Slow Strings. The phantom voice is Clarinet but could easily be swapped out for Night Sax – see page 28 on including with Phantom.



### Factory Register 8 – Mandolin – Italia



An authentic strumming mandolin layered with soft voices/strings– and the Phantom is an Italian accordion with soft voices and strings.



## Using the Orchestrator from the Grill (See page 16 - from Tablet)

The Orchestrator is a very powerful tool on your Concerto – it allows you to turn on and off sections with the touch of one button. For our lesson we will use Factory Register 4. The register features horns with orchestra on Orchestra 1 section – but we will turn off that section of the Concerto. It's simple to turn off Orchestra 1 and to turn on Orchestra 2 in its place. The result is you will have a beautiful oboe with orchestra as a variation of factory 4.

Note that the SOLO LED is ON meaning we are hearing that sound and the Orchestra 1 LED is blinking rapidly – meaning we are hearing that sound + that section is mapped to the 32 tone buttons. For this lesson you can take



two fingers and touch the Orch 1 button and the Orch 2 button at the same time – you will find the Orch 2 LED is now solid and the Orch 1 LED is now flashing slowly – meaning again it is mapped to the 32 tone buttons but is not active. Touching the two buttons again simultaneously will bring it back to the original position – Orch 1 fast flashing meaning ON and Orch 2 the LED is now OFF.

Please note there is a second and very quick and easy way to return to the original setting – simple press Register 4 and the original register settings will be recalled.

## Adjusting Section Volumes from the Grill (See page 19 - from Tablet)

From the grill of the accordion you may adjust the volume level of any section at will. Simply press the UP arrow or the DOWN arrow of the desired section. Example – you are at Factory Register 2 and you want the bass to be softer. Below is a picture of the grill with Factory 2 selected. Notice that the Bass 1 LED is on meaning that section is



active – simply touch the DOWN ARROW and you will see the array of 8 LEDs go one by one to no LED's (meaning the section is at zero volume) or use the UP ARROW to watch the array of LED's climb to all 8 LED's on solid (meaning the section is at MAX volume). This should be easy to do for any section on any register at anytime.



## Orchestrator & Volume Functions from the Tablet

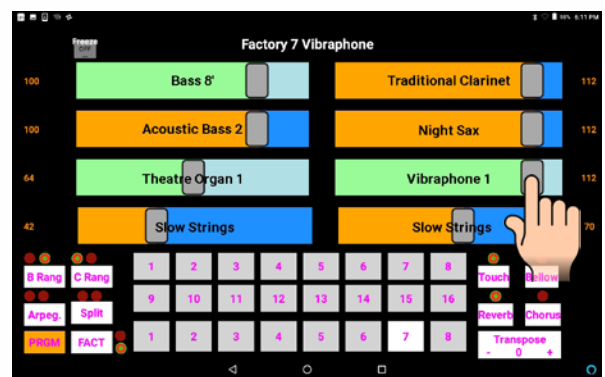
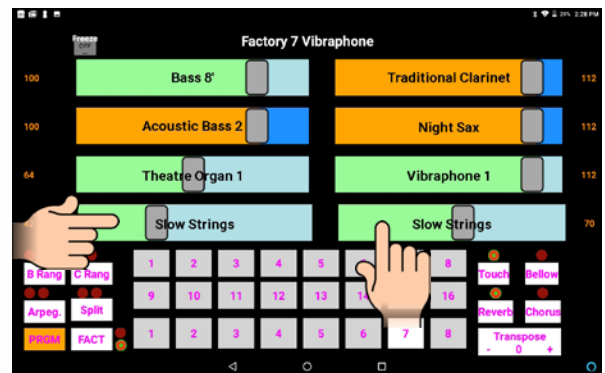
For the lesson – we will use Factory 7 – which features the Vibraphone layered with Slow Strings on ORCH 2 and also on CHORD 2. For our example we want to turn off ORCH 2 and CHORD 2 from the tablet. In the performance screen simply touch ON THE TABLET anywhere in the area displaying the name Slow Strings (other than the volume slider).

First on ORCH 2 sections – see finger on top image - note that the colors in the slider bar change as in example below – meaning the section is now OFF.

Second do the same thing touching anywhere in the slider bar for Chord 2 (displaying Slow Strings – but not on the volume slider) and that will turn OFF Chord 2

To turn back on the Slow Strings in either or both sections simply touch the section again on the tablet just as you did to turn them off – working just like the Orchestrator buttons on the grill of the accordion in page 17 – and notice the LED's turn ON and OFF on the Grill of your Concerto to match the status on the tablet display.

**To adjust the VOLUME** simply slide the section volume slider as indicated in the example above – to the left lowers the volume and to the right increases the volume and the volume number is displayed to the side of each section.



## Selecting Sounds from the 32 Tone Buttons

The Concerto is a very powerful tool in live performance – no other accordion on the market today, digital or Midi, has the versatility of selecting sounds on the fly. The 32 buttons on your grill allow you to swap out a sound with one touch – much like a digital piano – simply reach up and touch a button! But first we need to understand how your Concerto functions and how the buttons work to your advantage.

Without getting into too much history – think of the accordion as a lap held organ. An organ has keyboards and a pedal board on the floor for bass notes. A simple home organ has two manuals an upper manual and lower manual plus the pedal board on the floor. An accordion relates to this very easily to an organ:

1. Accordion treble keyboard is equal to the Upper Manual of the Organ.
2. Accordion Chord Buttons of the left hand (4 rows) is equal to the Lower Manual of the Organ.
3. Accordion Bass Buttons of the left hand (2 rows) is equal to the Organ Bass Pedal Board.

To the above sections the Concerto creates a 4<sup>th</sup> section from the highest note or melody note played on the treble keyboard called SOLO.

Better organs usually have two sections per manual – example Upper 1 and Upper 2 – allowing two voices to be layered on the same section. Well, the Concerto being high-end musical instrument is no different we have the ability to have two sounds layered for each section. Now you will understand better the names of these sections on your Concerto:

## Chapter 2 | Page 20

- Bass 1 & Bass 2 allow TWO sounds to be layered on the Bases
- Chord 1 & Chord 2 allow TWO sounds to be layered on the Chords
- Orchestra 1 & Orchestra 2 allow Two sounds to be layered on the Treble keyboard
- Solo 1 & Solo 2 allow an additional 2 sounds to be layered on the highest (pitch) note played on the treble keyboard – or to be a third Orchestra section we call Phantom.

Thinking of an Organ there is lots of real-estate to put many sections in the Horse Shoe area of the Organ – the accordion being a portable instrument has only the area on the Grill – so we must make that area work 8 times harder. The 32 Tone buttons can easily be MAPPED (assigned) to work for any of the 8 musical sections of the Concerto listed above.

You will always see one of the 8 section buttons flashing – example on Power Up the Orchestra 1 button will flash meaning it is assigned to the 32 Tone Buttons. Earlier when you played The Entertainer with Factory 1 you found it was easy to touch the Honky-Tonk button to swap out the Grand Piano on Orchestra 1 for the Honky-Tonk Piano.

For this lesson we will use Factory Register 1 – and we will swap out the Accompaniment Strings found in ORCH 2 section for the Choir voices found on button labeled Choir – see image with fingers pointing.

Step 1 – Map ORCH 2 to the 32 tone buttons steps a. & b.

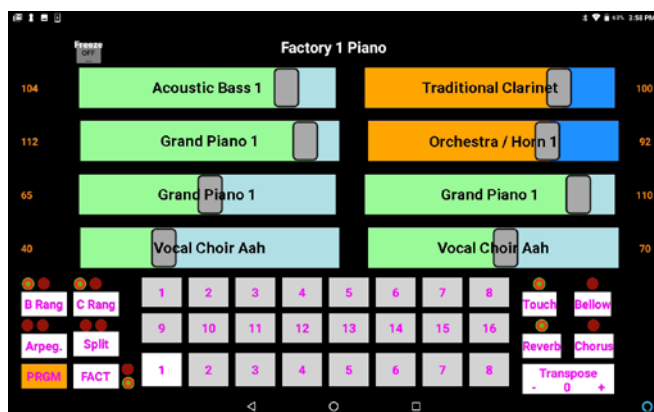
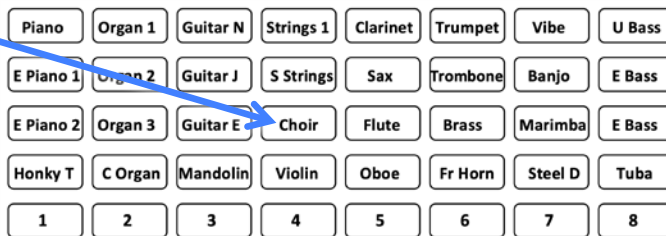
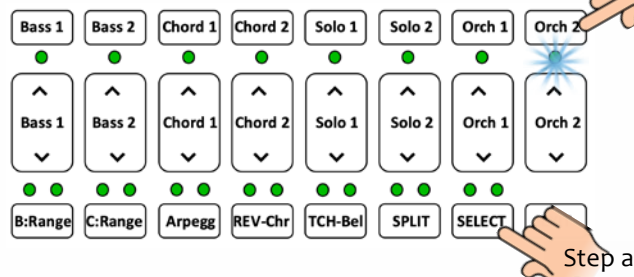
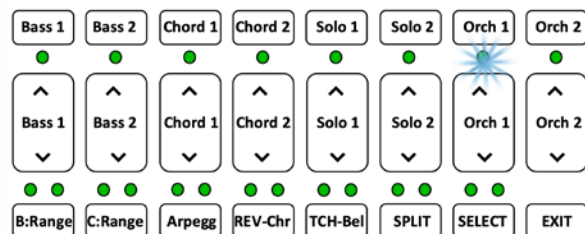
- Touch the SELECT Button
- Touch the ORCH 2 Button (it will flash = mapped)

Step 2 NOW you get to touch the Choir button.

**Important – if you're not on the Factory Bank you will need to touch the SONG button to turn OFF the LED's next to SONG so that Choir does not select a user song bank rather than Choir!**

You will notice on your tablet that you now have Choir in place of the Slow Strings on the Orchestra 2 line.

**Lesson on your own** – change the Slow Strings on Chord 2 also to Choir. (HINT – you will need to touch Select – then Chord 2 – then Choir)



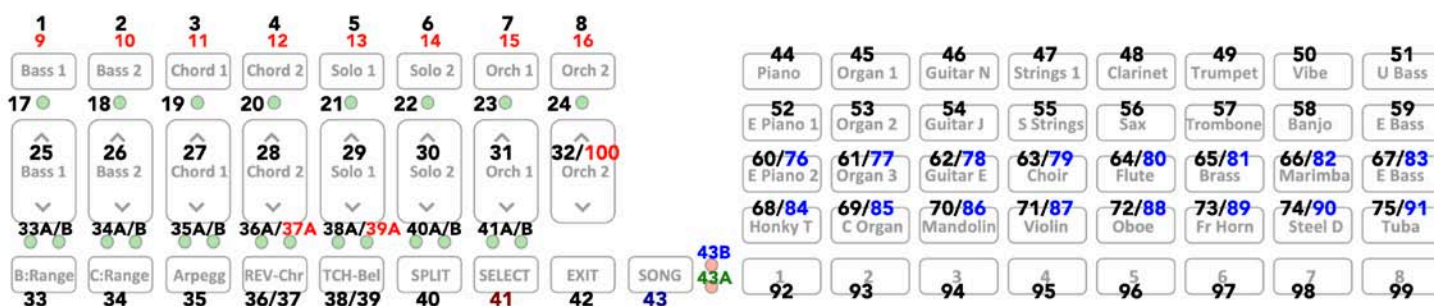
After changing ORCH 2 and CHORD 2 from Accompaniment Strings to Choir your tablet should display the following:

With the knowledge learned in this chapter you should find it easy to assign any of the 32 sounds to any of the 8 musical sections of your Concerto and to make volume changes as needed to make your own personal registrations of sounds

More about customizing and understand your Concerto in the coming chapters but for now ENJOY Playing with the Factory 8 and selecting other sounds.

# Chapter 3 – THE BUTTONS

## GETTING TO KNOW THE REST OF THE BUTTONS ON THE GRILL OF YOUR CONCERTO



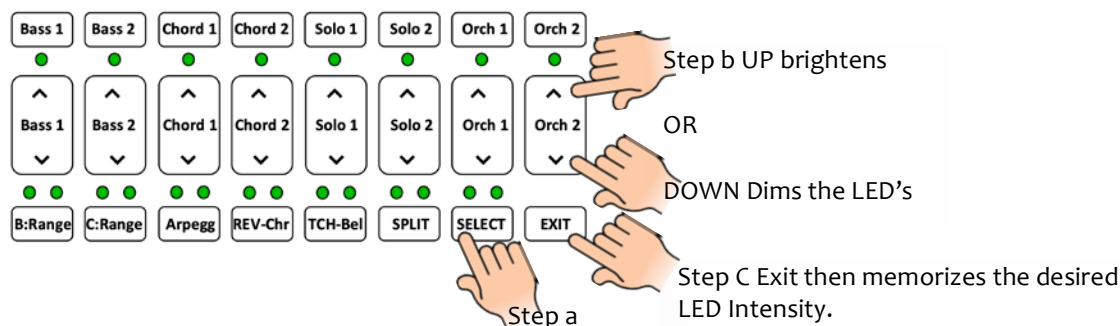
## The GRILL Functions!

Although it is important to take a first look at the grill of the Concerto and understand the power that is at your fingertips you may skip this chapter for the moment and come back later – but you definitely will want to know all that your Concerto does without the tablet! Above is a line drawing of your grill with each button numbered and the corresponding number with the function. This manual will help you understand in depth all that can be done with both the grill and Tablet to get the most enjoyment from your new Concerto. Please take a few minutes to familiarize yourself with the grill. This is an overview and as you use your Concerto and refer to this manual you will learn all the functions - you need not know them all today to begin enjoying your Concerto.

With the exception of the 32 tone buttons like Piano (44) and Organ 1 (45) and the EXIT (42) all the other buttons and functions are also duplicated on the Tablet. You may access any of these functions from either place and the information will respond on both the Concerto and the tablet simultaneously.

**One important function you might want to explore first is how to adjust the brightness of the LED's on your Concerto. This will also help you better understand how to select the other functions. This is function 100 but we've moved it to the front of the list for a learning exercise.**

100 LED Brightness – SELECT + Orch 2 down arrow = dimmer or up arrow = brighter – when desired brightness is set then touch EXIT to save –and your Concerto will now remember the custom level.

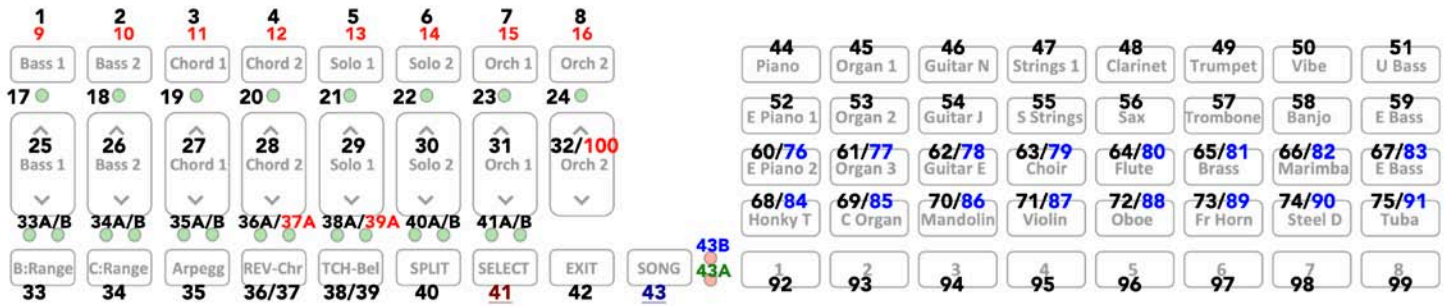


**You may want to use the next few pages as a reference guide as you learn your Concerto – do not think you need to know all about each of these functions today! Relax and learn a little each day – and you will be surprised how FUN being creative and saving your own personal registrations of sounds can be!**

- 1-8      Orchestrator Buttons – Simply TOUCH a button to turn ON or OFF a section or layer of sound. *We learned about the Orchestrator on page 18 from the tablet* – it works the same way – light up a LED and that section is ON or turn off the sections LED and the section is off – and if your tablet is connected it will show you instantly the same information about the sections.
- 9-16      Mapping the 32 Tone Buttons to a desired Orchestrator section – *we learned about this on page 19*  
Step 1 – Select Second Function [SELECT #41]  
Step 2 – Then touch the desired section button (it will begin flashing). It is now MAPPED that section to the 32 tone buttons (44-75). *Note on power up Orchestra 1 is pre selected.*
- 17-24      LED meanings:  
LED ON means section or layer is ON  
Fast flashing means section ON and also is assigned to the 32 tone buttons (44-75)  
LED OFF = section is OFF or not active  
Slow flashing section is OFF but assigned to 32 tone buttons
- 25-32      Section VOLUME UP and VOLUME DOWN  
LED's 17-24 will CLIMB or DECEND in successive order to indicate volume setting while adjustment is made to the relative section.
- 33      Bass Range – each touch cycles thru these two:  
Range A – *Recommended for String Bass Sounds – like acoustic bass or bass guitar.* Notes range starts with F# as the lowest sounding note to F as the highest sounding note  
Range B – *Recommended for Traditional Organ Bass sounds* - Bass notes range starts with C as the lowest sounding note to B as the highest sounding note
- 34      Chord Range – each touch cycles thru these three functions:  
Range A – Chords are formed from F# as the lowest sounding note to F as the highest sounding note – *Example a C-Major Chord will sound with G as the lowest note then C and E – the same as the acoustic reeds.*  
Range B – Chords are formed from C as the lowest sounding note to B as the highest sounding note  
*Example a C-Major Chord will sound with C as the lowest note then E and G – up one inversion.*  
Range A&B – The combination of both ranges together or Open Harmony - Chords are formed from F# as the lowest sounding note to B an octave and a half above the F#  
*Example a C-Major Chord will sound with G as the lowest note then C and E plus G an octave higher than the first G – Open Harmony.*
- 35      Arpeggio – each touch cycles thru these 4 functions:  
NO LED – Arpeggio function OFF  
35A – Each time a chord button is struck the chord inverts upward until a bass note is played and it resets  
35B – Each time a chord button is struck the chord rocks back and forth between the first and second inversion – playing a bass note resets the chord back.  
35AB – Each time the Chord is played it travels up three inversions and back down two inversions (think 6/8 or 12/8 time signature) – striking a bass note resets the chord back to the first inversion.
- 36      Reverb – Each touch cycles thru ON or OFF:  
36A – ON Indicates the Digital Reverb is active ON (*see Chapter 5 for reverb settings*)  
36A – OFF Indicates the Digital Reverb is active OFF (*see Chapters 5 for reverb settings*)

- 37 Chorus - requires [SELECT] button #41 then 37 to turn ON or OFF – (see Effects Chapter 5)  
 37A – ON Indicates the Chorus Effect is ON (see Chapters 5 for Chorus settings – not all sounds have this effect)  
 37A – OFF Indicates the Chorus Effect is OFF
- 38 Touch Sensitivity – Each touch cycles thru ON or OFF:  
 38A – ON Indicates touch sensitivity is active on the treble keyboard (see Chapter 5 on Touch for adjustment touch curves)  
 38A – OFF indicates that touch sensitivity is turned off on the treble keyboard.
- 39 Bel – Bellow sensing – requires [SELECT] button #41 to turn ON or OFF – (see Effects Chapter 5)  
 [SELECT - #41] then #39 button turns ON the bellow sensing – to turn off again touch SELECT + BEL  
 39A LED indicates bellows are ON or OFF
- 40 SPLIT – Treble keyboard Split Functions – each touch cycles thru these 4 functions:  
 40A/B OFF – Split function is OFF – treble keyboard plays normally
- 41 SELECT – Allows you to SELECT a second or hidden function (saving a register) of your Concerto  
 41A – Blinks to indicate that the SELECT has been selected – touching again will turn off SELECT  
 41B – Indicates that a change has been made to your Concerto and that has not been saved – a reminder you might want to save your register if you desire – see SAVING REGISTERS page?? .
- 42 EXIT – Used to exit or abort a function and also used as a PANIC button should any note or notes lock on  
 EXIT sends an all notes clear message to the sound Generator.
- 43 SONG – Indicates FACTORY or USER Song registers are active to the eight register buttons (92-99):  
 44A – FACTORY SONG BANK – The permanent 8 Factory Registers and reference for creating your own registers or sounds into a USER SONG BANK and REGISTER – See page 34 for creating and saving registers.  
 43B – USER SONG BANKS are active on the 1 to 9 buttons (92-99) where you can your custom registers.  
 43 NO LED – current USER SONG Bank remains but you can now select tones on all 32-tone buttons above.  
 When you want to change user bank from the grill return to LED 43B.
- 44 – 75 Instant tab or voice selection grouped in families:  
 44-52-60-68 - PIANO FAMILY                      48-56-64-72 - WOODWIND FAMILY  
 45-53-61-69 - ORGAN FAMILY                      49-57-65-73 - BRASS FAMILY  
 46-54-62-70 - GUITAR FAMILY                      50-58-66-74 - Mallet & Folk Family  
 47-55-63-71 - ENSEMBLE FAMILY                      51-59-67-75 - BASS FAMILY
- Touch a button and select the sound – remember to select first the section your desire – Orchestra 1 is the default on power up. When the button is touched it will stay lite to indicate the sound was selected.
- 76 – 91 USER SONG BANKS  
 Touch SONG 43 to turn on 43B and then each button 76-91 selects a USER SONG BANK in place of the name printed on the button – please note that the selected button will FLASH until a register (92-99) is touched and then the USER SONG BANK and REGISTER buttons will remain on to indicate your selection.
- 92 – 99 Overall Register buttons – instant changes makes the Concerto ideal for entertaining live – without wait to access sounds – one touch instant set ups from either Factory Registers or registers that you have saved yourself into USER Registers – see SAVING REGISTERS page 34.





## Saving or Copying a Register

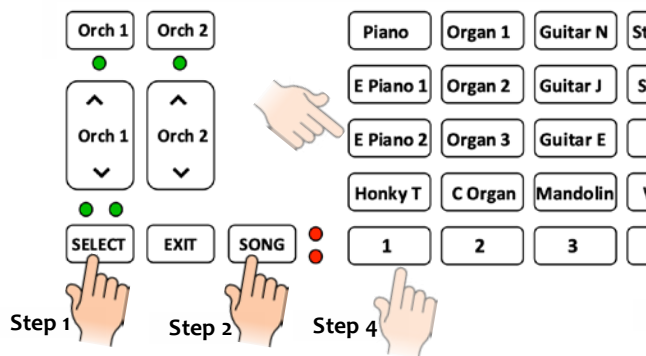
You will want to know how to **SAVE** a Register or perhaps **COPY** a Register such as a Factory Register to one of your personal 128 register locations. You have the ability to save 128 Overall Registers on board your Concerto for instant recall – and the ability with the tablet to save literally thousands of registers (*more details in Chap. 6*)!

**Here are the steps!**

**Saving From the Concerto** Example to Song 1 Reg. #2

FOUR Steps - Touch

1. SELECT, 2. SONG, 3. Bank, 4. Register- to write.



**OR Saving From the Tablet** Example to Song 9 Reg. #8

THREE Steps - Touch

1. Select Save Register, 2. Bank, 3. Register to write



*Notes*

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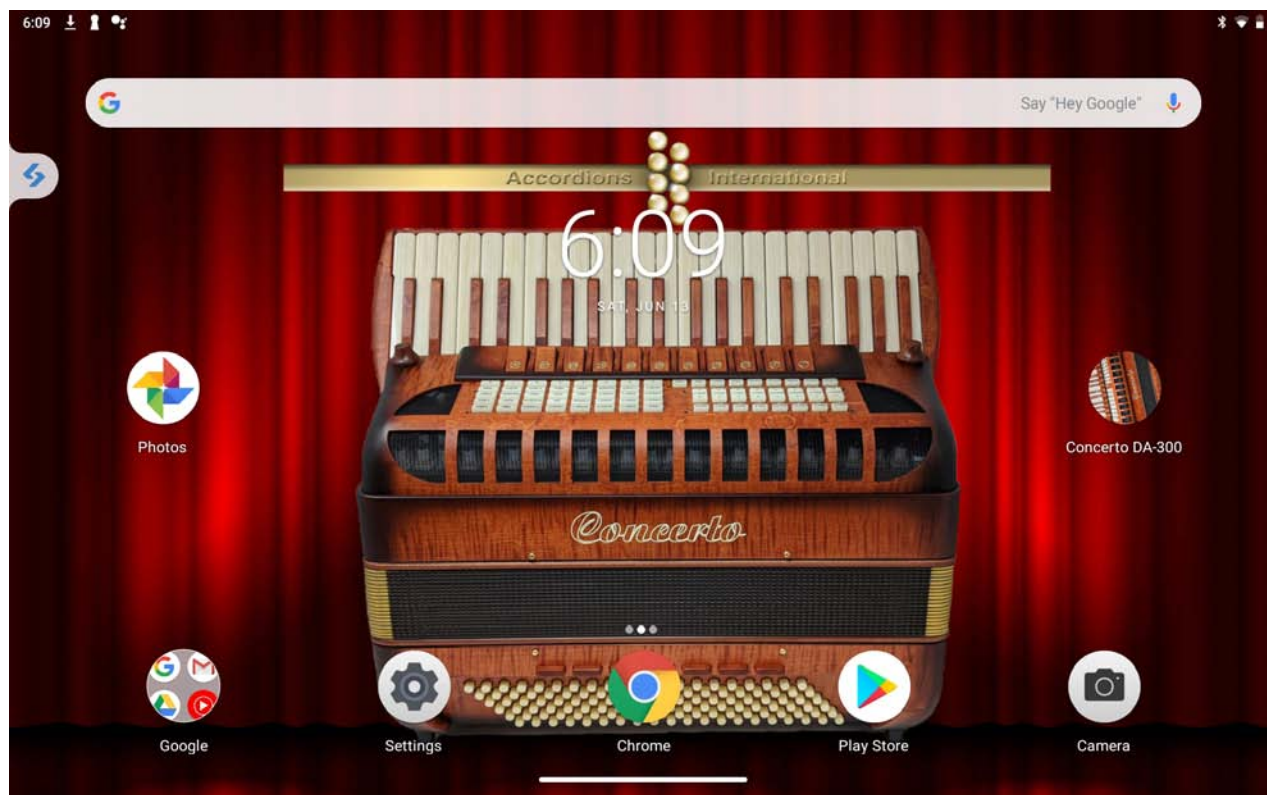
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# Chapter 4 – THE TABLET

## CONNECTING AND EXPLORING THE PLAY SCREEN



Android Tablet Home Screen pictured above - NOTE the Concerto DA-300 APP to the left above the Camera icon.

## Overview - Understanding the Concerto Tablet & Bluetooth!

There are a few important items before we get started:

- We have set up a Google Account for you and it is installed on the tablet. If your name is John Doe then the account we have set up would be ConcertoJohnDoe@Gmail.com
- The initial password for your Gmail account is ReedAccord1on – that reads as A C C O R D then the number 10 followed by N. You may want to change your password to one that is familiar to you at some point but for now your log in information again has been set at the factory and you can get started immediately.

Each Concerto has a unique Bluetooth code (see the bottom of your Generator box or the back of your accordion under the chest pad if you are curious) and your first name is imbedded into that signal. Later in the manual should you need to replace your tablet you will learn how to pair a new tablet and it will make it easy since the name for the blue tooth device will come up as (again our example John Doe) would be John's\_CONCERTO.

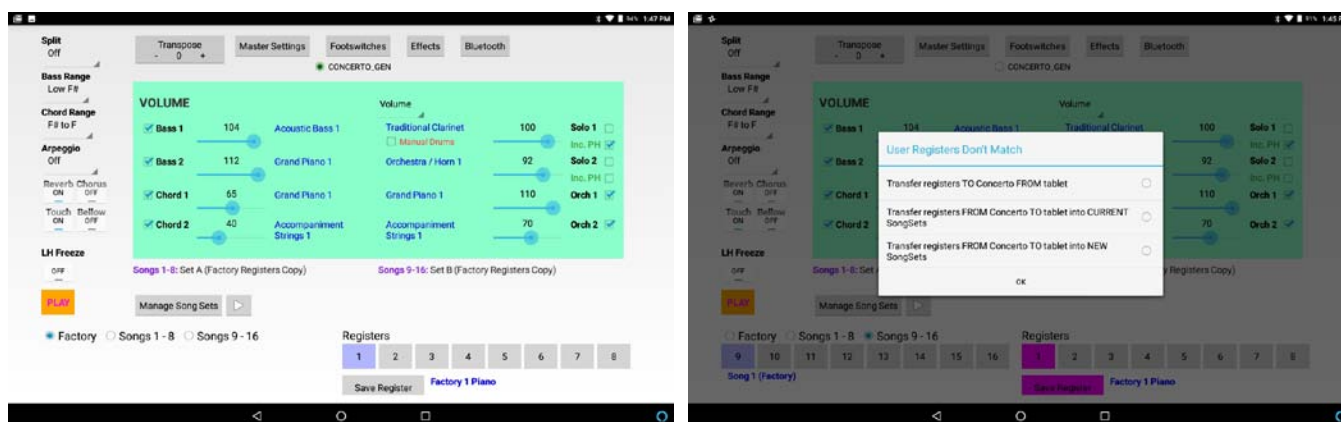
**IMPORTANT NOTE** – When you open the Concerto APP it forces the tablet to bypass the sleep mode. So when you are not using the APP it is best to close the APP and then either touch the side button, or close the lid to enter sleep mode. Or best of all turn off the tablet when not in use, avoiding the battery from slowly draining!

## LESSON #1 The TABLET and your Concerto!

Here are the simple steps to get started:

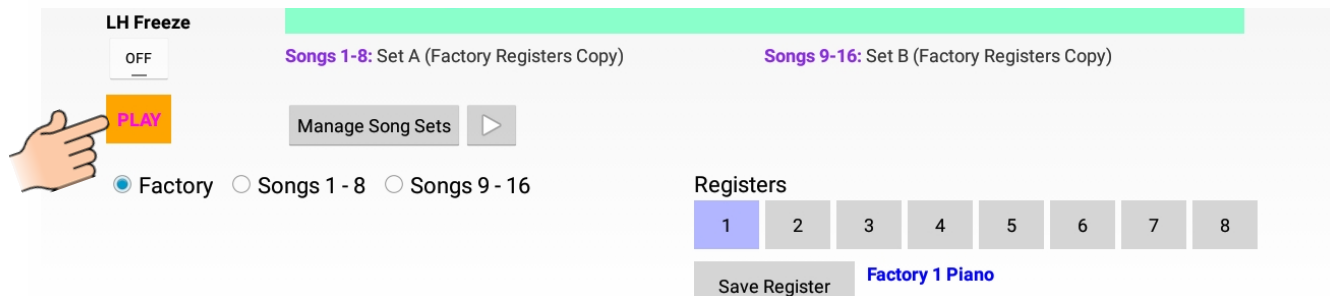
- Turn on your Concerto Generator and Accordion and let them pair
- Turn on your Tablet – (we have preset the tablet to Landscape View) when it is UP and running if needed swipe UP on the display to open the home screen.  
*You may set a security password to open from the SYSTEM Menu – but for the moment it is easy to open without a password!*
- From the Home Screen you will see the Concerto Icon in the upper left of the screen – tap it once.

The Concerto APP will open to the programming screen and you will see a button to the top that will show when the tablet is paired next to your name – example ☺John's\_Concerto – when the green dot appears in the circle it indicates the tablet is connected to the Concerto and is ready to go.

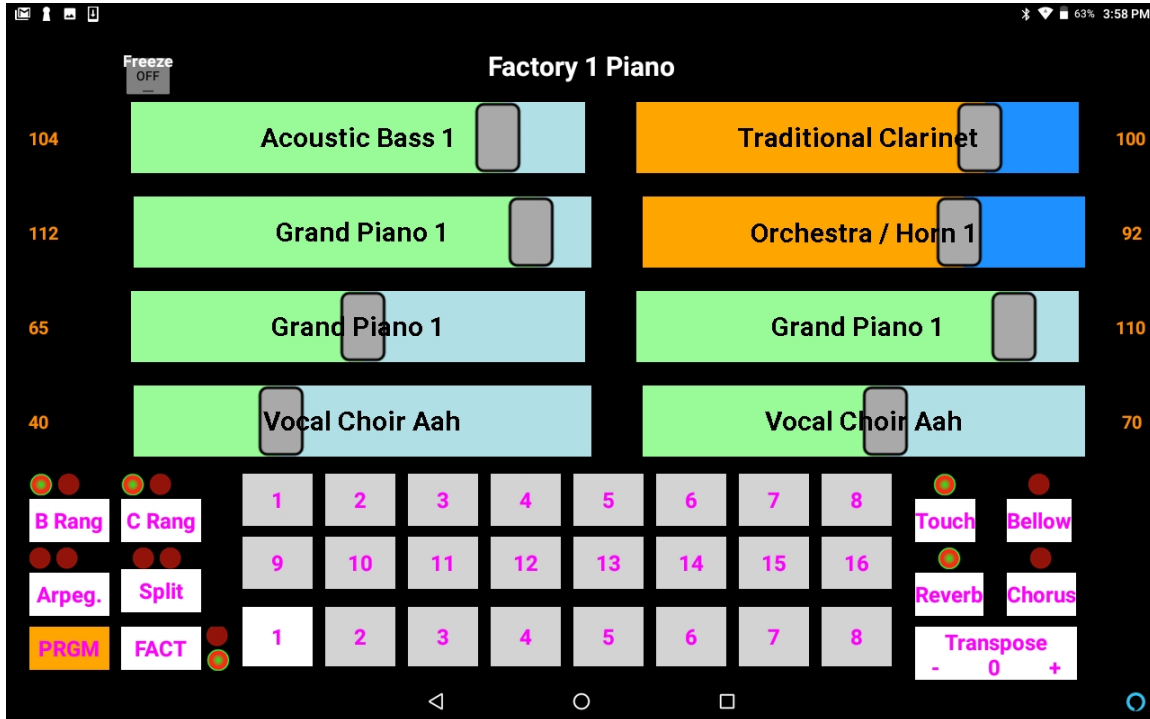


If you have made and saved any register changes on your Concerto then you will be presented with a dialog box as in the image to the left above - if no dialog box appears as in the image to the right then skip the rest of this paragraph! The safest selection, the third choice, is “Transfer from Concerto to Tablet into NEW SongSets” – this may take up to a minute to transfer all the information and then you are good to go. This will update the tablet and you will not lose any registers. Later, when you become an ace at creating song sets you will most likely be transferring registers TO Concerto FROM tablet

The Concerto APP opens the programming screen by default – but for this lesson we want to jump directly to the PERFORMANCE or PLAY Screen.



Simply touch the orange PLAY button on your screen and voila – you are there! – See next page.



## Exploring the PLAY SCREEN

The play screen is much like looking at the Grill of your Concerto. You can select either Factory or User songs. When the bottom round red light is on next to Factory you are in the factory set – for example simply touch any register and magically it will happen on your Concerto as though you touched that register button. Try selecting several of the Factory Registers from your tablet.

You may also directly select any of the 128 user registers by simply touching the user bank (example bank 9) and then the desired register for example 3. To return to the Factory registers simply touch the white FACT button – it will begin to flash and select a register such as 1 and there you are back to Factory Register 1.

Next explore the Orchestrator – touch any of the Names above – like Acoustic Bass 1 and it will turn orange meaning that the section is now off – and notice that also the Orchestrator on your Concerto displays the same information the LED below BASS 1 will be turned off. Simply touch the word Acoustic Bass on the Tablet or the BASS 1 button on your Concerto and the name on the tablet will again be in Green and the LED below BASS 1 will turn on and the section is active.

**VOLUME SETTINGS** – It can't be easier- simply touch and slide your finger on the slider button to the right increases the volume and to the left decreases the volume. Example on Orchestra 2 line on the display (directly above SONG 8 and TOUCH – slide the slider to the right and the number to the side increase and the volume of the Choir then gets louder. You can do the same for any of the 8 sections of the Concerto orchestra.

There are duplicate buttons on the Play Screen that match what is on your Concerto Grill making it easy to access the functions like Bass Range or Touch ON or OFF by touching the button closest to where you are (should it be the tablet or the Concerto – they will both interact as though they are one!

We encourage you to become familiar with the Orchestrator and Volume sliders along with the other functions on the play screen listed on the next page – they are invaluable in performing and creating orchestrations.



## Chapter 4 | Page 28

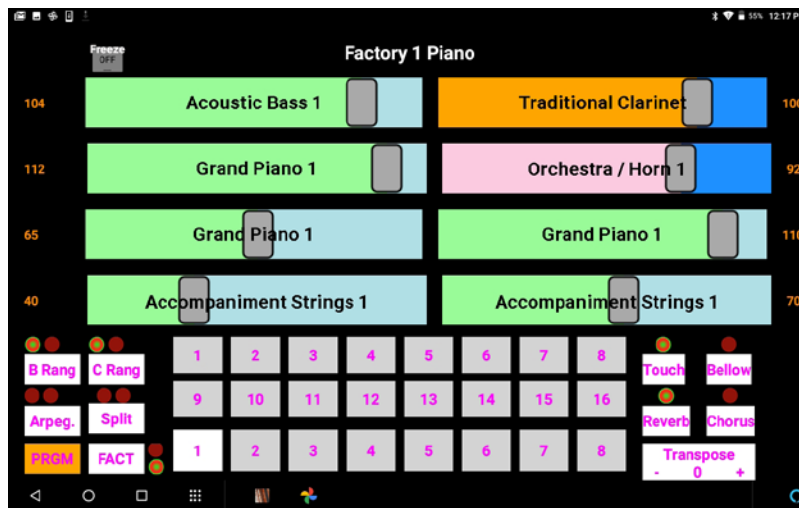
Phantom on the Play Screen – when the Phantom feature is engaged on the play screen you will see the solo section(s) assigned to phantom change color. The assigned section(s) will turn PINK indicating that is what is now active on the Concerto keyboard. Example to the right is Factory register 1 with Phantom Engaged. (See page 25 for example of Factory 1 when Phantom is not engaged).

REGISTER SELECTION - an easy way to see and select both factory or user song banks, and registers. When the RED/ORANGE LED as in the example above is ON and the word FACT is white then the Factory Registers are active. When the second RED/ORANGE LED is on then a USER Bank is selected and a USER Register is selected. Remember there are 16 banks of registers each with 8 individual overall registers – or a total of 128 global registers available at your fingertips. More about custom settings with your own registers will appear later in this manual.

Other features found on the play screen are more duplicates of buttons found on the Concerto grill. These include on the lower left side: - Bass Range – Chord Range – Arpeggio – Split plus PRGM allowing you to return the main programming screen of the tablet – and to return simply press the orange PLAY button and you will return back from the program screen to the play screen.

Buttons on the right side include TOUCH for the treble keyboard – BELLOWS Sensing (remember the Concerto senses the sound produced by the reeds to express the volume in place of the expression pedal) – this is used for special occasions – we will cover a few examples later. REVERB the digital processing or enhancement like surround sound and CHORUS the Doppler or chorusing effect much like a rotary speaker – again a few examples will be shown later. And last Transpose UP and DOWN and you can see the half steps indicated.

Next in Chapter 5 we will be looking at all the functions of the programming screen – lots of FUN still to come.



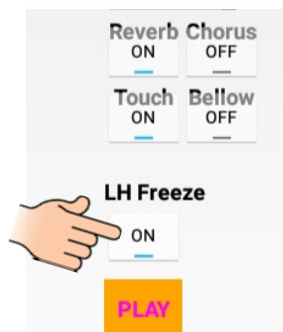


# Chapter 5 – PROGRAM SCREENS

## EXPLORING THE PROGRAM SCREEN & FUNCTIONS

### Exploring the PROGRAM SCREENS

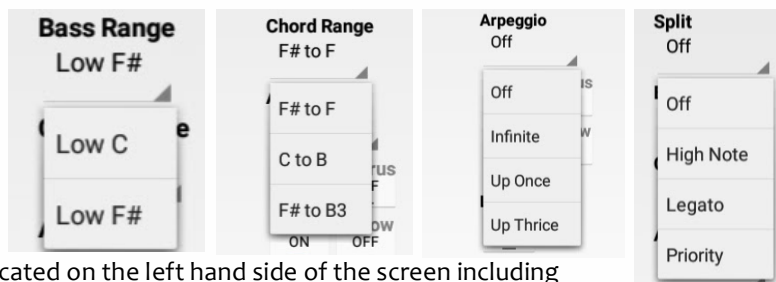
Most of the items you see on the PROGRAM Screen can be accessed, by simply touching the item that appears.



Example LH Freeze – simply touch the “OFF to turn ON” which causes current settings of the left hand to remain when you change to another register. This is invaluable to the player new to the Concerto who wants to perform with the Factory 8 registers – but does not want abrupt changes in the left hand. Example selecting Factory 3 and then selecting the LH Freeze – now when you change registers the accompaniment of the left hand remains Acoustic Bass with Ride Cymbal on the basses and Jazz Guitar with Slow Strings on the Chords. So as you change registers it does not sound as though you are firing the bass and accompaniment players and hiring new sidemen. AND for the advanced player this allows you to quickly create new registers. We will discuss this later in the Chapter “Suggestions & Hints - creating your own Registrations”.

**Remember to turn OFF the LH Freeze when you no longer want the Left Hand sounds FROZEN!**

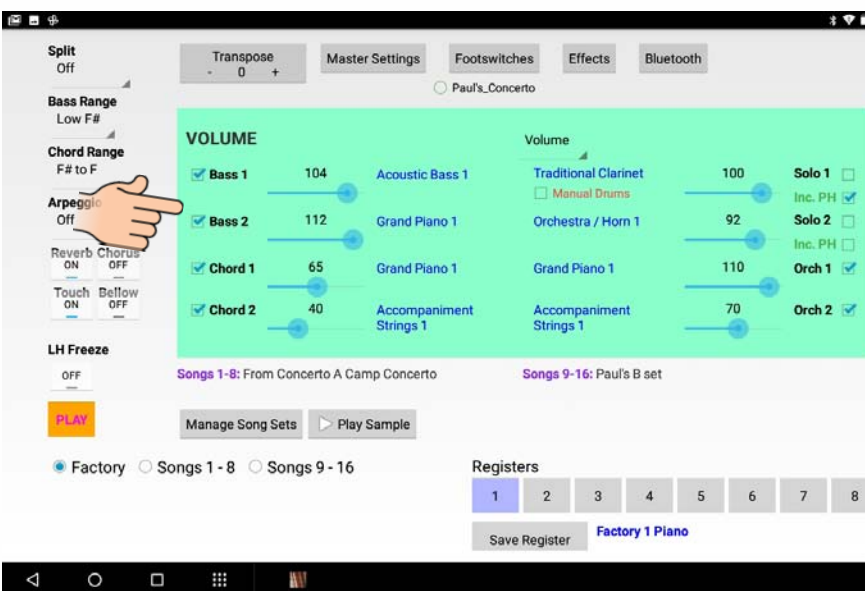
A few more examples would be **Bass Range** with a drop down menu of **Low C** or **Low F#**, **Chord Range** with **F# to F**, **C to B** and **F# to B3**, **Arpeggio**, **Off**, **Infinite**, **Up One**, **Up Thrice** or **Split**, **Off**, **High Note**, **Legato**, **Priority** simply touch the desired range on any of these drop down menu’s and it is instantly selected on your Concerto. Other simple functions are all located on the left hand side of the screen including Reverb, Chorus, Touch, Bellows and of course returning to the orange **PLAY** button *to return to the Play Screen.*



### Everyday Housekeeping - ON/OFF – Phantom - Volume

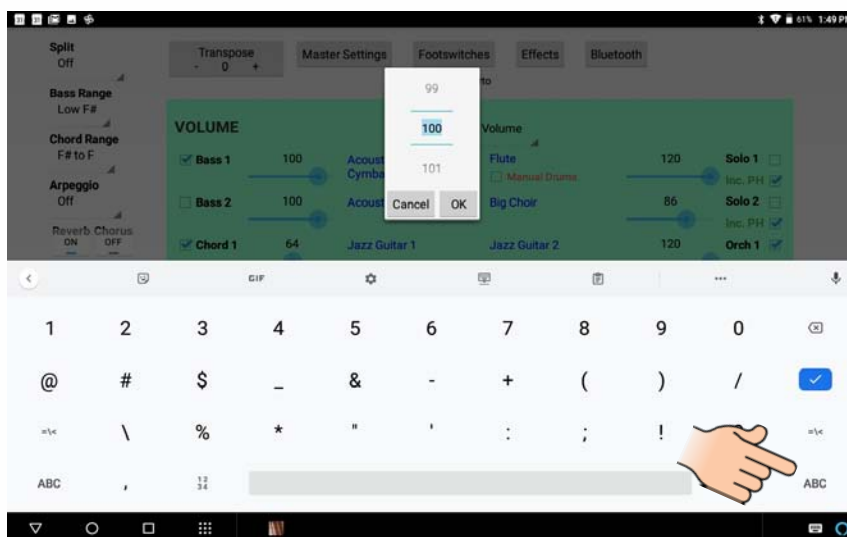
By default when you open the Concerto APP you will find that the word **VOLUME** in the inset green colored section. From this area you can do the following:

1. Turn ON and OFF a Sections – the box with the Check Mark means the section is ON & no check means OFF – touching the box will turn ON or OFF the section.
2. **Including with PHANTOM** Notice next to Solo 1 & 2 you will find a check box to include with Phantom. You may choose either or both



Solo sections to be included with the phantom.

3. **Manual Drums** – see page 37
4. Adjust the volume by the slider – simply move the pill shaped icon and the volume will change.
5. Adjust the volume with the number – simply touch the number and a scroll menu will appear from which you can:
  - A - Scroll the value with your finger UP or DOWN and then touch OK to set.
  - OR
  - B - You can input directly your desired volume setting from the keypad. If you do not see numbers simply touch the **123** symbol in the lower right corner which will change then to **ABC** – Make sure to touch the CHECK MARK on the Keypad and then OK to set your selected value.

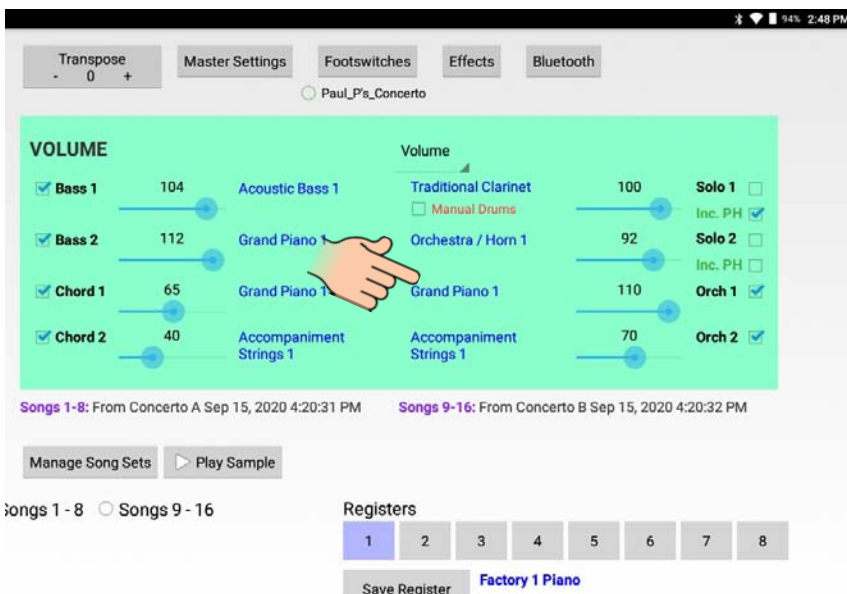


## Selecting Sounds from the Tablet

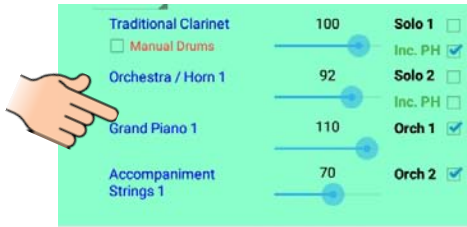
Your Concerto features over 400 high-resolution sampled sounds. Assigning a new sound is easy – first select the sound you want to change. Example (with Factory 1), change the Grand Piano on Orchestra 1 to a Spanish Guitar.

In this section we will explore 3 ways to select Spanish Guitar:

1. This first is to simply scroll through all 400 plus sounds.
2. The second way is to simply type Spanish. This filters out any name without Spanish in the title (there are only two - Spanish Castanets and Spanish Guitar).
3. The third way is to enter the family name GUITAR, which will bring up all the Guitar sounds (you will find there are about 80 guitar sounds from which you can scroll thru).



Below please find the step-by-step examples of each of three ways listed above to select and put a sound onto any section of your Concerto. Remember the above example of how to change the Grand Piano to a Spanish Guitar – if can be applied to any section and any sound. If you want to change the sound on Bass 1 – simply touch that sound and follow the same steps. *Continue to page 31 for step-by-step details.*



## SCROLLING without Filtering

Touch the section instrument name you want to make the change. Example Grand Piano in Orchestra 1 (Factory Register 1) and up pops a screen with sounds – now with your finger drag from the bottom of the pop up screen upwards to scroll thru all the sounds. When you see your desired sound, first touch it to highlight the sound, and then click OK to select – which will send it to your Concerto accordion (example Spanish Guitar replaces the Grand Piano 1).

## Filter by Name

Touch the section instrument name you want to make the change.

You will see an input filter with a cursor flashing. If you do not see the QWERTY Keyboard pop up then touch in the area of the flashing cursor and the QWERTY keyboard will pop up.

Now type the word SPANISH from the QWERTY keyboard into the FILTER. You will now see only two instruments. Touch the name Spanish Guitar from the list to highlight the name and then touch OK to select and send the Sound to your Concerto (remember it will be on Orchestra 1 in place of the Grand Piano). Also touching Cancel will exit out without any changes.

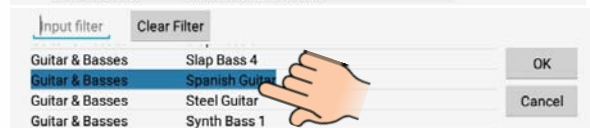
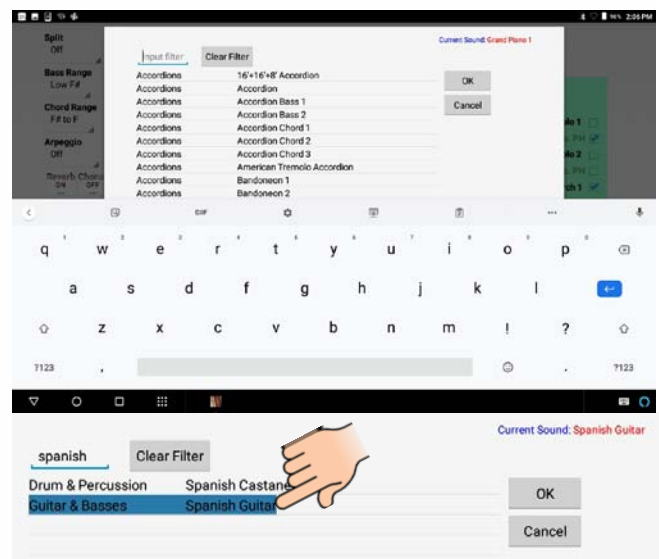
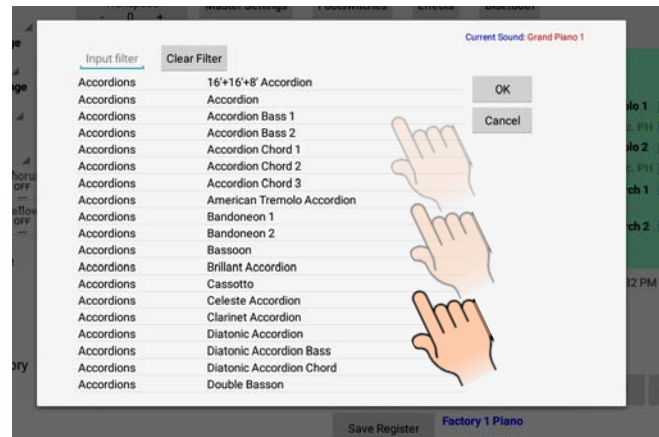
Remember, you can save your own custom user registers at anytime (see Chapter 3 about saving a register).

## Filter by Family

Touch the section instrument name you want to make the change as shown at the top of the page (Filter by Name).

Type GUITAR from the QWERTY keyboard into the FILTER. You will now see about 80 Guitar sounds. Scroll thru them until you find the Spanish Guitar (or maybe you will find some others you would love to try).

Touch the desired instrument sound you want to select and then touch OK to put that sound onto your Concerto.



Note if you want the QWERTY keyboard gone simply touch the down symbol at the bottom of the screen



## Getting to the Other Everyday Housekeeping Screens

From the programming screen simply touch the word Volume and a drop down menu appears including the following **Volume, Octave, Velocity, Panning, Reverb, & Chorus**. Simply touch the desired parameter and the screen will instantly go to that setting.

### OCTAVE

To adjust the octave of any section, simply touch “Octave” from the drop down menu and the following screen will appear.

Now just like the volume setting you can adjust the Octave settings for any of the Concerto’s eight musical sections.

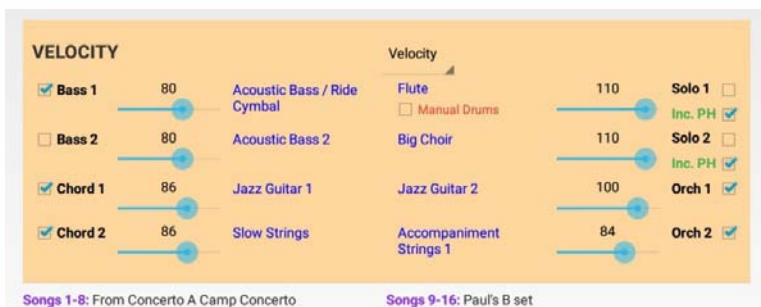
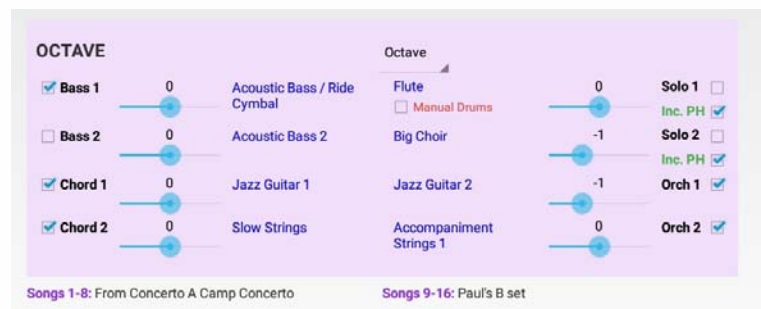
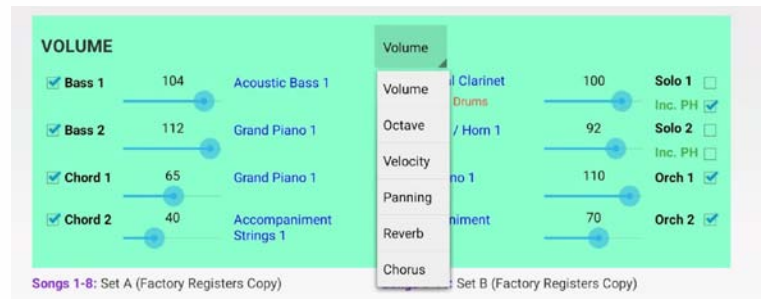
Keep in mind that when you have the Bassoon reed on that the pitch is the same as -1 Octave and when you have the Clarinet reed it matches the o Octave. Usually the lowest sounding reed of any combination would dictate what octave you would want the Digital Voice to match the reeds. Example Bandoneon acoustic switch has both the Clarinet reed and the Bassoon reed together – the Bandoneon is the lowest so normally you would select -1 Octave to match the pitch. Another example would be the accordion Violin switch which would be two middle reeds and then o Octave would match the pitch.

All this being said – it is you the musician who must decide what is the correct octave setting for the song you are playing. We will talk about this later but you should select a range in which the instrument you have selected normally plays.

### VELOCITY

When touch sensitivity is ON then your Concerto calculates the Velocity value by how you touch the keys on the treble keyboard. However when TOUCH is OFF or in the case of the left hand the Velocity values become important. They range from 0-127. Think of the velocity as the ATTACK on a note.

Example if you want a TUBA on the bass and you want to Tuba player to play aggressively then adjust the Velocity to 127 or just below and you will now hear the tuba player playing the tuba at full force. Of course the sound gets louder but more important the Timbre changes. Another example would be when you strike the piano softly the string has a mellow sound and when you hit the key hard the Piano string is stressed and becomes brighter sounding. You will notice this effect with many of the sounds that as the key hit stronger the sound becomes brighter – or in the case of the TOUCH being TURNED OFF that this value becomes very important. To adjust – it is the same procedure as the VOLUME.



## PANNING

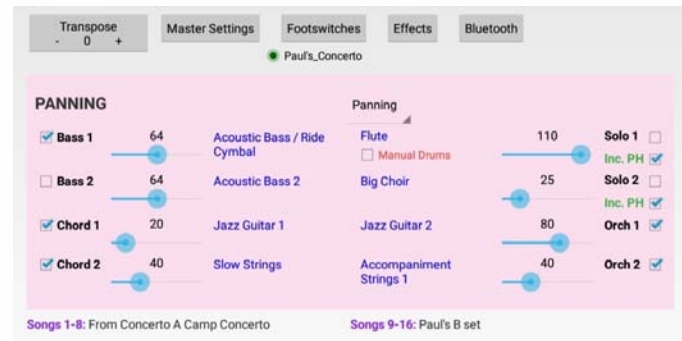
Panning allows you to place the sound anywhere in the stereo spectrum from left to right with 128 steps – and here is the rule:

**0 is far Right**

**64 is Center**

**127 is far Left**

Again just like the volume you can adjust any of the sections anywhere from Left to right in the stereo field. This allows you to have a feeling the musicians are surrounding you just like in real life.



## REVERB

Think of how it would sound to play your Concerto at Carnegie Hall in New York or maybe the Royal Albert Hall in London – or maybe you want to play in a small Jazz club. Problem – you are home in your living room with carpet and drapes. Well DIGITAL REVERB comes to the rescue! You can select various environments (see EFFECTS on the next page for the various types of Reverb). The REVERB value here is the intensity of the digital enhancement.

Again just like volume you can set the values from 0-127 and the higher the value the more the effect. Note: as a default the bass sounds are usually set low and the treble sounds are set higher. This is one of the magical things about the Concerto. The bass can be nice and tight while a solo Flute can sound as though it is wafting in the air.



## CHORUS

Chorus is the effect of taking one sound and replicating it so that it sounds like you have a choir of that instrument. Many of you will remember the name Robert Leslie who created the Leslie tone cabinets that were famous for organists. The Leslie cabinet had a series of rotating speakers and a rotating baffle that mechanically swirled the sound around the room making you think you have hundreds of the same sound (in this case pipes of a pipe organ) all around you. This was the first chorus effect. Today this effect is used sparingly but can help some of the organ sounds be more alive – some call swirling sound – Motion!

Again you can adjust the settings just like the volume – the values are from 0-127. But remember you must first choose a Chorus from the effects category. Have fun – but remember this effect is used sparingly.

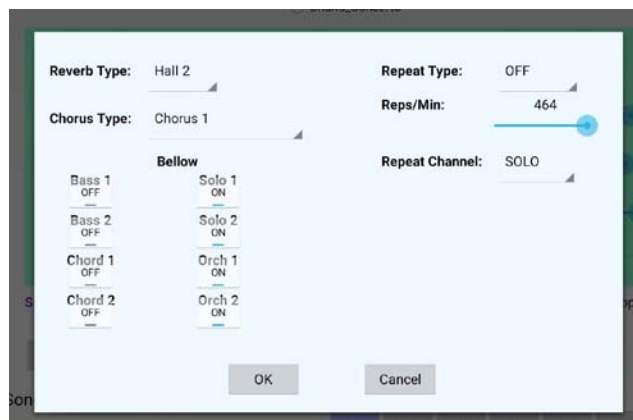
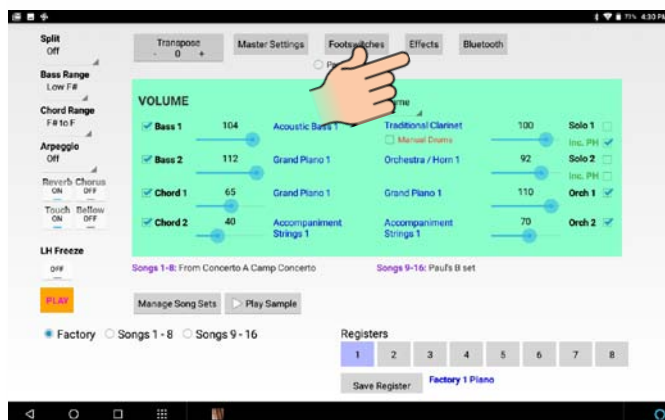
**Important Note** – Each of the Everyday Housekeeping Screens has a different color background! This is to help you not be confused. If you don't see GREEN you are NOT at the VOLUME Screen!



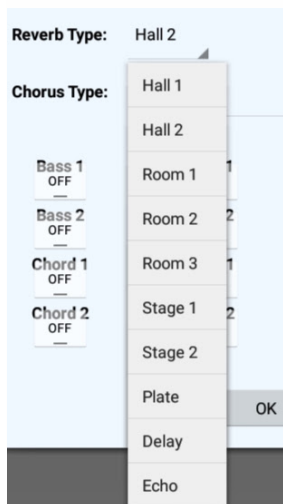
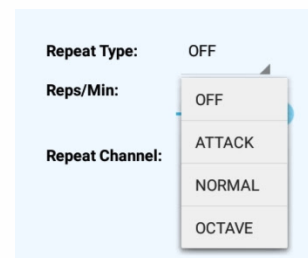


## Effects Screen

From the main screen touch the Effects button. At this point a new dialog box will appear and the rest of the screen will be grayed out.



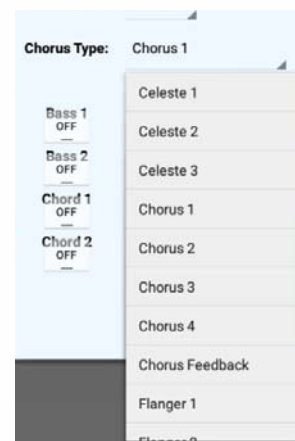
To the Right of the new screen you will find the repeat (note repeating functions – for effects like repeating the Marimba sound) the type, such as OFF (no repeat) Attack (First repetition played is stronger, Normal (all repetitions at the same rate) or Octave (which plays the note struck and alternates it with the note one octave higher – this is a great effect for Timpani Rolls – or for imitating lots of things – like a player piano effect) all and speed as well as bellow functions.



To the left of the screen you will find Reverb and Chorus –by simply touching the Reverb type as in the example to the left if you touch Hall 2 a drop down menu will appear and you will find the following to choices:

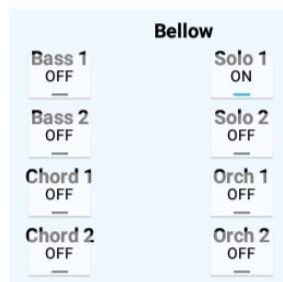
The Hall 1 and Hall 2 are what the audience in a concert hall hears and Rooms 1 to 4 are varying size rooms more like you would find at a Jazz Club. Stage 1 and 2 are what it sounds like when you are sitting on the stage in a Concert Hall.

Chorus – when you touch Chorus here is the drop down menu with 13 Chorus types: Celeste 1, 2, 3, Chorus 1, 2, 3, 4, Flange 1, 2, 3, Short Delay, and Short Delay Feedback.



Bellows – Simply touch the section to assign it to the bellow function. ON means when the Bellow Button is ON on your Concerto that that (or those) section(s) is active. NO means that the section(s) remains with the expression pedal. When you use the Bellow feature you will need to play the Reeds of your Concerto. The Electronics listen to the volume of the reeds to adjust the expression of the digital voices up and down and this then expresses the sound rather than then expression pedal.

- Example - You can assign only one sound for example a Saxophone on the SOLO to Bellows and leave all the other sections OFF meaning that the Sax will be expressed with the reeds and all the other sections with the expression pedal.



## Footswitches Screen

If you are a previous owner of a Concerto prior to the DA300 – then you are going to LOVE this Screen – programming the footswitches could not be easier! Touching the Footswitch button from the main programming screen will bring up the following screen. Please note the four sections:

### Footswitch A, Footswitch B, Footswitch C, and \*Pedal B

#### \*Optional Pedal – For Modulation and other effects

Remember that the Phantom Pedal is always Phantom but the A, B, & C Footswitches are assignable for each register of your Concerto. By default in the Factory Registers the three pedals function as the three pedals found on a Grand Piano, Sustain, Sostenuto, and Damper. Let's look at how the Sustain pedal is assigned so you can better understand.

Step 1 – Control is already selected from the drop down menu. This means you are assigning a MIDI Control Number. If you look at the MIDI Implementation Chart at the end of this manual you will find what Control numbers are recognized and what they do.

Step 2. Control #64 is already selected – or SUSTAIN!

Step 3 – Select which sections of the Concerto you want the Footswitch A to act as a Sustain Pedal – in example of Factory Register 1 shown above you will see Bass 2, Chord 1, and Orchestra 1 all have check marks. These are all the sections in Factory 1 that have a piano sound. So when you use the pedal it is like pedaling on a real piano – as all the piano voices on both hands have the sustain pedal effect.

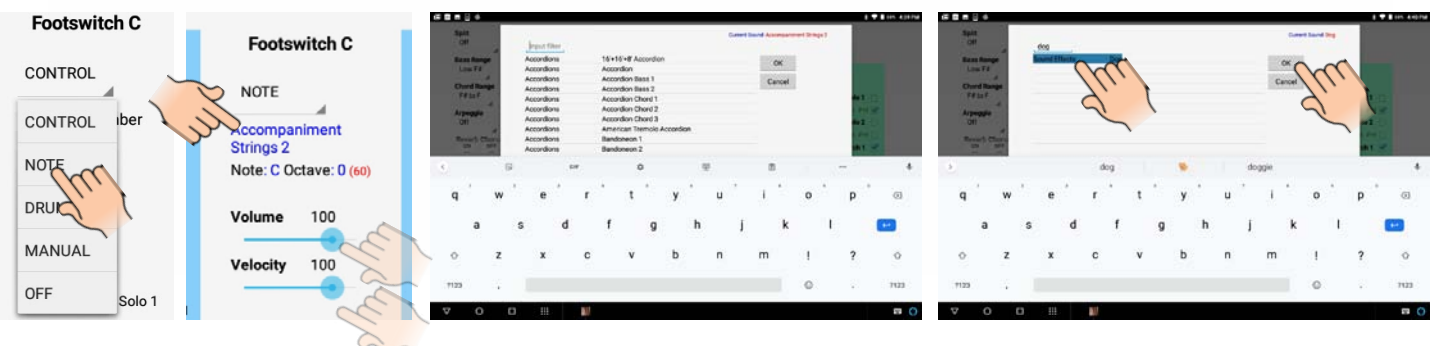
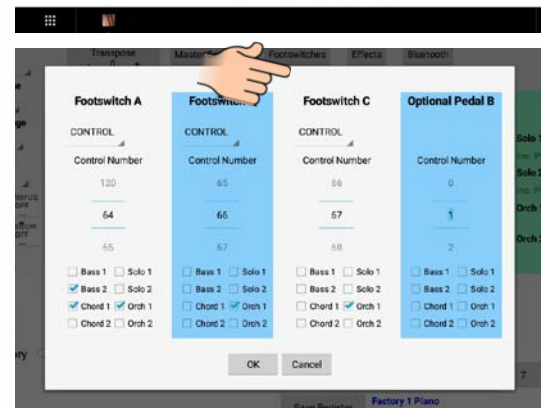
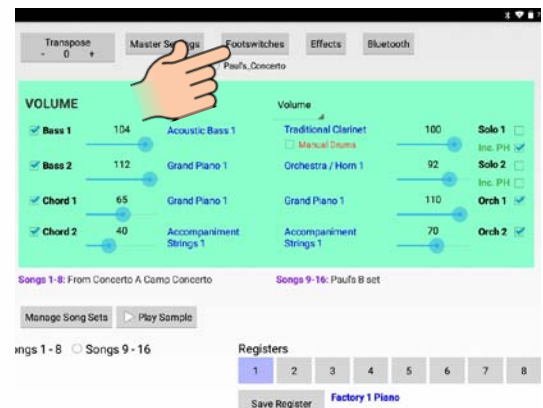
### Exploring OTHER than CONTROL – or NOTE or DRUM

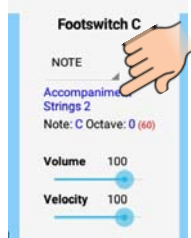
**Example** – lets say we want to program Footswitch C to play a DOG barking each time you depress the footswitch (note that this could be accomplished with the DRUM selection – but for this example let's use the dog bark found in the NOTE section so we can play different dog voices).

Step 1 - Touch the word CONTROL under Footswitch C and you will see the following choices: CONTROL, NOTE, DRUM, MANUAL & OFF. Touch the word NOTE.

Step 2 you will see the following screen with default sound of Accompaniment String 2 – touch the Sound name and you will get a menu to select any sound in your Concerto.

Step 3 – Type Dog – now touch the word Dog to highlight it as in image 4 below – then touch the button OK to assign the Dog sound the Footswitch C. You may also adjust the volume and velocity of the sound – see image 2.





Step 4 – Assigning the Pitch or NOTE Played – touch the default Note C Octave 0 and the following screen will appear with all 127 notes possible playing notes – play attention to Middle C – Note number 60 – this should be an easy reference to each octave of notes above and below middle C.

Step 5 – for our example lets select note number 72 or C Octave 1. This will produce a higher pitch dog bark.



Step 6 select OK from the Main Footswitch screen to assign.

Step 7 – depress footswitch C and you should hear a DOG Bark each time you touch the footswitch!

To have a little fun – your assignment is now to program footswitch B to the same DOG sound but use note number 53 or -1F – the F below Middle C. When you have the two pedals programmed B should play a deeper Dog Bark and C a higher Dog Bark!

## SAVING IT or TOSSING IT!

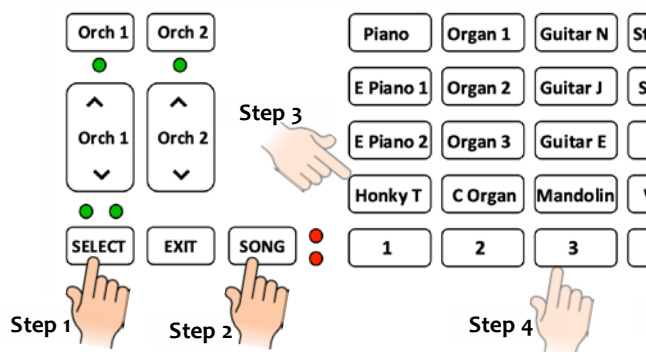
**IMPORTANT – at this point your work is NOT saved** – You have two choices – either to save the Register to one of the 128 memory slots in your Concerto or abandon the register and the dog barks will go away as soon as you press any register including the current register. **Please note (on the Concerto) the LED 41B – SEE CHAPTER 3 – is flashing indicating that the current register has a change that is not saved.** Press any register that is NOT a Factory Register to write – to select other than factory select first a BANK and then a Register to SAVE.

**Note on your Tablet – the SAVE and current Register have turned Purple** – prompting a change has been made. To save this register from the Tablet - you may either select a the same register or you may select User Bank & Register – and then select a Bank and a Register and the settings and sounds will be saved – **OR from the accordion you may touch first SELECT and then SONG and then the BANK and REGISTER** where you want this register to be saved.

**Saving From the Concerto Example to Song 9 Reg. #3**

FOUR Steps - Touch

1. SELECT, 2. SONG, 3. Bank, 4. Register- to write.



**OR Saving From the Tablet Example to Song 9 Reg. #3**

THREE Steps - Touch

1. Select Save Register, 2. Bank, 3. Register to write



## Play Sample For Testing Sounds

Your Concerto has a couple of simple sample songs or patterns that are recorded in a special way. They were not played in – but required they had to be entered as computer code so that the generator box would think that the notes are being played from your Concerto. This allows you to make any changes – such as selecting any instrument, volume settings, octave range, panning, reverb, bass range, chord range or of the many Concerto settings which can then be played automatically as though you are touching the keys of the Concerto.

From you tablet touch Play Sample – see image to left. You will then see the Play Tune screen. Here are the steps to play a sample:

Step 1 - Select to sample like Twinkle, Twinkle.

Step 2 – Select Right Hand or Left Hand or BOTH  
(**Note** Twinkle, is the only sample with both right and left hand – the other samples are only the right hand).

Step 3 – Touch Play and your Concerto will play with any sounds or settings of your choice.

You may use the expression pedal – the footswitches or make any register or any instrument or settings you desire. TO STOP the Concerto from playing – again touch Play Sample (as in the top image) and then from the Play Tune screen touch Stop!

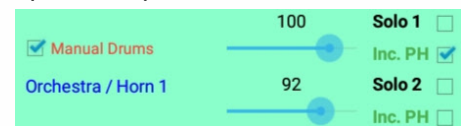
Think – sit back in your easy chair with your Concerto to your side – and your tablet – and you can now create new registers! – Just think of the FUN, the EXPLORING and the endless POSSIBILITIES are they starting the percolate?

The Last button on the programming screen is **Managing Song Sets** – which is what is coming up in Chapter 6:  
**Naming and Managing User Registers & Song Sets!**

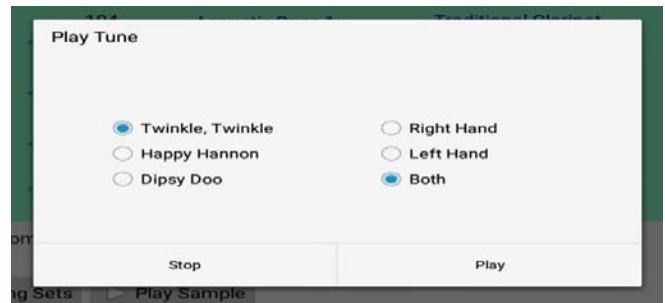
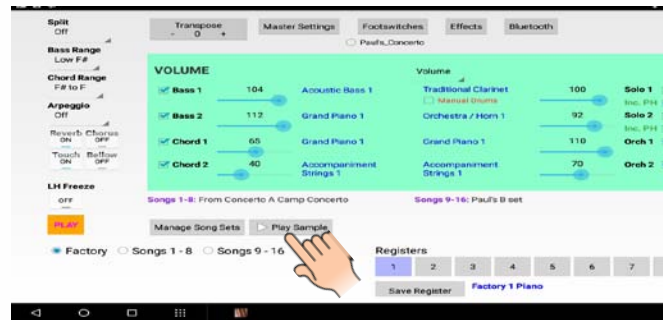
## Manual Drums

Your Concerto accordion has about 100 drum sounds. You can hear those sounds with the feature called Manual Drums. New to the Concerto DA-300 is you can access Manual Drums thru the Phantom footswitch. Allowing you to play drum sounds from the treble keyboard – and to easily go from playing drums to music and the other way around with the tap of the Phantom Pedal. To access the manual drums the steps are simple:

1. Check both the **Inc. PH** box and the **Manual Drum** check box.  
When you check Manual Drum box the name of the Solo 1 instrument will disappear.
2. Press the Phantom Footswitch to activate the drum sounds – when Phantom is engaged you will have a drum kit on the keyboard. When you turn off Phantom you will return to the normal instruments for your current register.
3. To clear the register of Manual drums uncheck the manual drum box and the SOLO 1 instrument will return.



You may save the setting to a register – just in case you want to do a drum solo in the middle of a song! Also you may use the Octave transpose to hear more drum sounds. The lowest note would be -3 octaves with the first C on the treble keyboard. The last note of the drum kit would be the 0 octave with the last G# being the last sound.





# Chapter 6 – *MANAGE SONG SETS*

## NAMING – MANAGING – COPYING – SAVING & SHARING YOUR WORK

### Managing Your Sounds and Your Song Sets

Just a brief overview – As you have learned you are able to save overall registers. Each overall register you save lets you recall instantly a myriad of settings at the touch of a button. One overall register belongs to a group of eight overall registers referred to as a SONG Set.

It all depends on you as you personalize your Concerto as to what you save in each register location. How you use the Song Sets is personal – but there would be two major categories:

1. Creating 8 of your favorite overall registers that you use for most songs you play. Then from the Song Set of eight registers draw on what you need during your performance – much like the factory eight registers.
2. Creating Specific Registers for a song performance - which could be as little as 2 or as many as 128 overall registers. Usually one would be saving from 2 to 8 registers – but you can go past 8 all the way to 128.

Option 1 above means you could save 8 registers for Christmas tunes for example and another 8 for Country Western and so on. Most likely you would want to name them things like Christmas Pop Set, Christmas Religious Set or Hank “Modern Country” or perhaps “Old Time Country”.

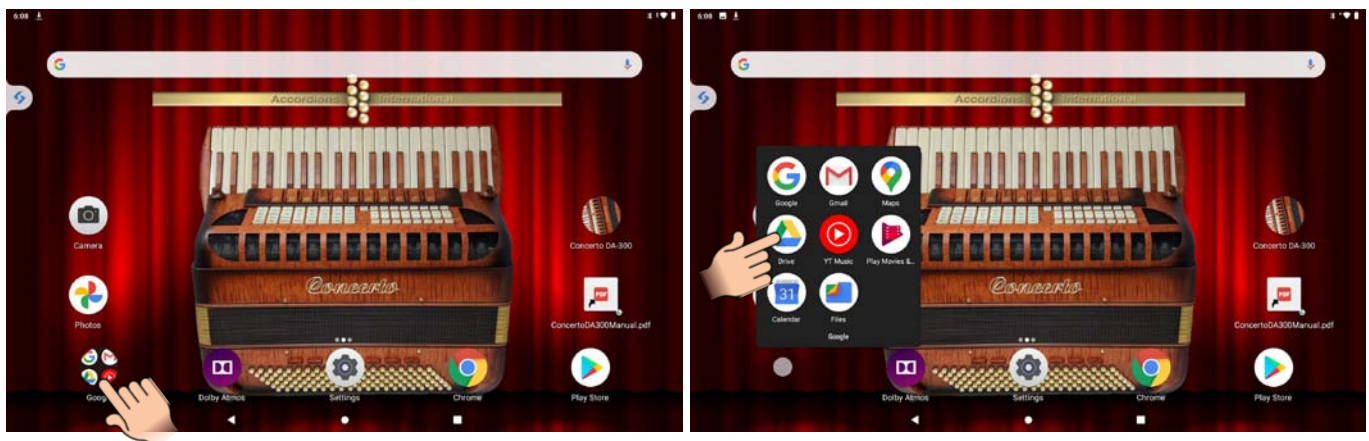
Option 2 above would be for bigger song productions where you want to show off the power of the Concerto. Example you want to play a medley from Fiddler On the Roof – and say you have chosen to make a medley of: *Matchmaker, Matchmaker, To Life, Sunrise Sunset and If I Were A Rich Man* to create a medley and each song has two unique registers for a total 8 registers. Then you might want to name Matchmaker A, Matchmaker B, To Life A, To Life B, Sunrise Sunset A, and finally Sunrise Sunset B – for a total of 8 registers. Then you can name the entire set of 8 Registers for example Fiddler On The Roof Medley.

Of course your Concerto is personal and you get to make the choices of sounds combinations (Registers) and what you want to name them. With the Concerto your World is truly your oyster! Now how to name and save!

A few important notes:

- The first time you access the cloud it might take longer to establish the account and connection. But after that the connection to the cloud should be fairly quick.
- If you have not accessed your Google Drive account you may want to do so – simply follow these steps.

1. Touch the Google icon in the lower left of the home screen – then 2. Touch the Drive icon in the pop up screen.





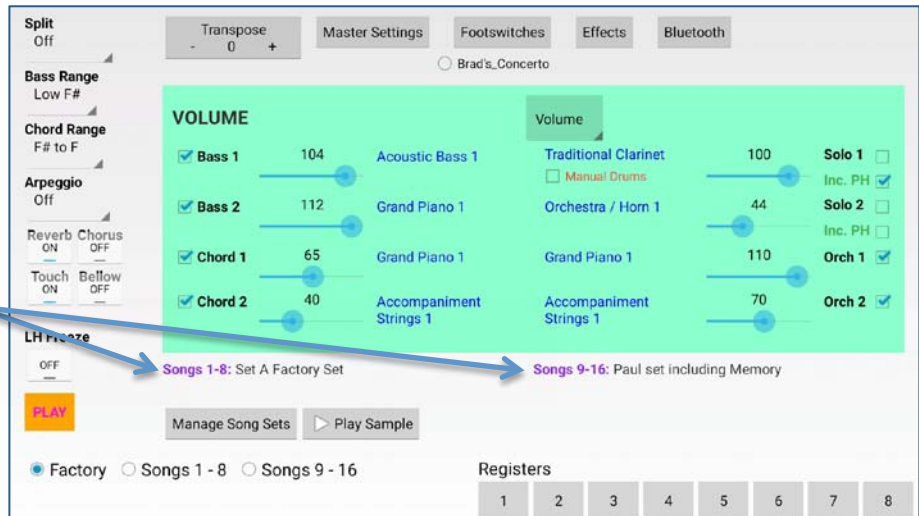
From the Google drive you will see any files saved to the cloud – and from here you may share them with your fellow Concerto friends that also have a Concerto DA-300. Most likely you will not need to come here often – but it is good to know where your files are stored. Your Concerto APP will automatically load files from your private Concerto drive account.

## Manage Song Sets

Where can I see my current Song Sets – look at the Concerto APP Programming Screen – and you will find right below the Colored screen (example Volume GREEN Screen) a line with Songs 1-8 and Songs 9-16 with the current names of those song sets. Remember each Song Set has 64 registers – or 8 Song Banks each with 8 Overall Registers.

You will find this button to the left of the Play Sample button on your Concerto APP main Programming Screen. When you touch Manage Song Sets you will be presented with the following choices:

- **Rename**
- **Create Copy**
- **Set to Songs 1-8**
- **Set to Songs 9-16**
- **Send to Drive**
- **Load from Drive**
- **Save PDF to Drive**
- **Delete**



## Rename Button

From the Rename Button you can put custom names on all your individual registers, Songs (group of 8 registers) and Song Sets (group of 8 Songs or 64 registers). When choosing names if you are not sure you may simply put the date to help remind. Usually for each Register you would put the main sound featured – or the Song and position of the song if more than one register is used. Here are some examples;

- Register Name examples: Piano & Strings, Clarinet with Jazz Guitar, Rag Time Piano, or just the name of the song.
- Songs – could be the name of the song like Fiddler on Roof Medley – or a name that fits the group of registers like Country Western Set.
- Song Sets – Something that will remind you – like Popular Christmas Songs, or Classical Songs, or maybe even songs like Disney Songs – or Andrew Lloyd Webber Songs.

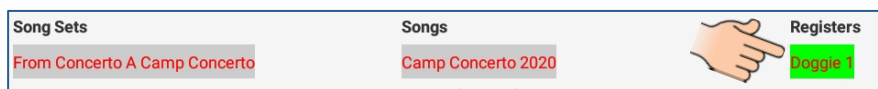
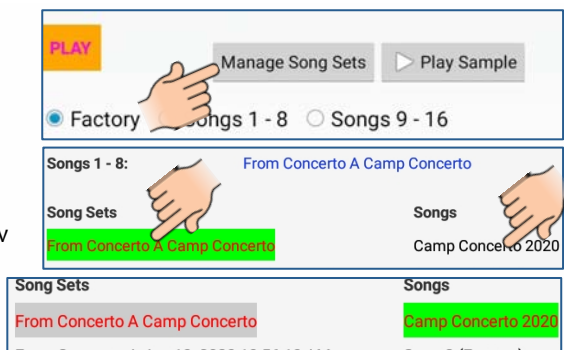
## How to name an individual Register

To name or rename a register simply follow these steps:

1. From the Concerto APP program screen touch Manage Song Sets
2. Then touch the current Song Set – it will highlight in Yellow
3. Touch the Songs Bank name – it – again it will highlight in Yellow
4. Now touch the Register you want to rename – and it will highlight in Yellow

**IMPORTANT** Notice that the selected Song Set and Songs – will remain Highlighter but will be highlighted with gray and red lettering – and only the item being named will be in Yellow!

5. Touch the Rename Button
6. Type the name new Register Name of your choice and then touch the Blue Check to the right of the QWERTY keypad from which you entered the new name.
7. Touch SAVE (or if you wish to not name the register touch Cancel). When you touch Save, the new name will appear and you are now ready to touch DONE – unless you want to rename other items.



## Renaming Song Sets and Songs

The process is identical to naming a register. Just follow steps 1 and 2 above and then go to step 5 to rename the Song Sets

To rename Songs then go one step father to step 3 then select Rename to rename the group of 8 Registers called Song.

## Creating a Copy

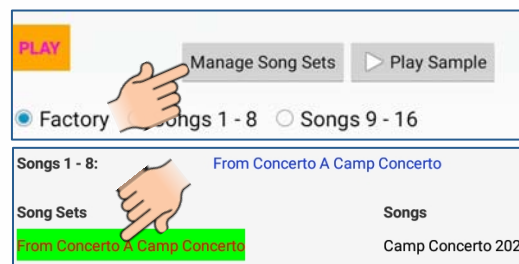
You may create a copy of any Song Set – simply highlight the Song Set in Yellow and then select the Create Copy button. Then with the QWERTY keyboard name the Copy and touch Copy when you are done. Or if you want to leave without creating the copy touch Cancel.

## Sending Song Sets to your Concerto Accordion

With your Concerto connected and ON – from the Concerto APP again touching Manage Song Sets - select the Song Set from the list at the left column that you want to send to your Concerto.

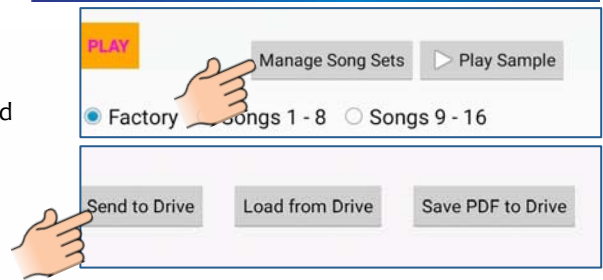
**WARNING - Think about this before you proceed IF YOUR CURRENT REGISTERS ARE NOT SAVED THEN YOU WILL LOSE THEM.– if you have saved your current work – then all is good! Remember your Concerto will look each time the Tablet is connected to see if you have saved the current registers in your Concerto to the tablet and will prompt you to do so – see more about this on the next page.**

TO SEND a saved set of Song Sets to your Concerto select either Set to Songs 1-8 or Set to Songs 9-16 and they will be sent to your Concerto in a mater of a couple seconds.



## Send to Drive

Simply highlight the song set you want to upload to the cloud and then click Send to Drive. Your tablet will need a good Wi-Fi connection to transfer the information – you will see several messages confirming the connection and when the transfer is complete – which may take a minute or so – the screen will then go away confirming your transfer.



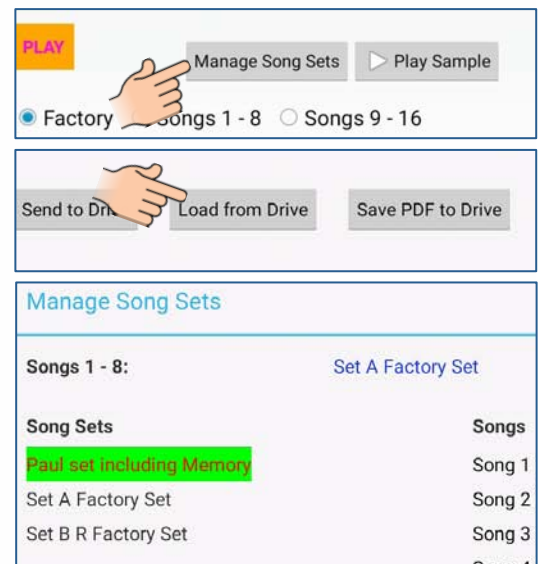
You may go into your Google Drive at anytime from either the Android Pad – or from your computer logging into your Concerto Google account and see the all the files that have been saved. Also from Google Drive you can share or email your file to your friends who have a Concerto DA-300.

## Loading from Drive

If you are not at the Manage Song Sets screen then touch that button from the Concerto APP Program Screen then touch the Load from Drive button. Again you will need a good Wi-Fi connection. The Concerto APP will go out and load only the Song Sets that are not already in the tablet. What does this mean?

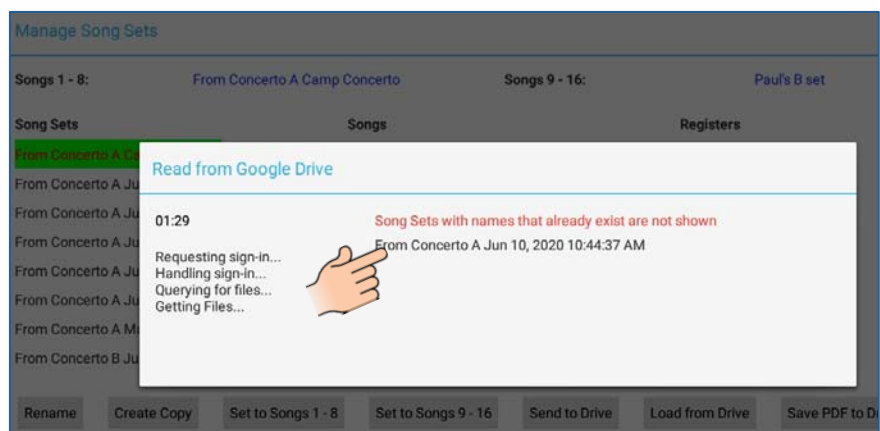
If you have already Saved to Drive a Song Set – then that set is on your tablet and you will see it in the drop down menu – see example to the right. Example if I have already saved the “Paul set including Memory” to my drive – and it is still in my tablet (as one of the Song Sets listed) then it will not appear in the listing downloaded from the cloud.

Again, if you want to see all the files that are in your Concerto Google Drive account then *at anytime from either the Android Pad – or from your computer logging into your Concerto Google account you can see the all the files that have been saved.*



To load from the drive – you will see the following screen that you can select a Song Set file to load.

In the example to the right you can see a long list of Song Sets in the Android Pads memory and the only set that in the Cloud Drive that is not the same appears. Notice it took one minute and twenty-nine seconds to create this file since it had to compare all the files in the cloud before compiling the list.



All you need to do to load the file is simply touch it and it will load to your tablet!

When you are DONE with the Manage Song Sets press the DONE button found, *in the lower right corner of the pop up screen*, to return to the Program Screen.

## Save PDF to Drive

This little button will be a good friend if you like having written copies of all your registers. This very powerful feature in your Concerto allows you to create a PDF file with all the information for each register in a grid form that is easy to read, keep as a back up file, or share with other Concerto friends. What do the pages look like? Here is one to the right – this is just half of the first page. You will see 4 registers per page and a total of 64 registers created in the 16 page document. For those who have been to Camp Concerto it should look very familiar.

To create your register PDF document:

- From your Concerto App program screen - select Manage Song Set
- Then select the Song Set from the left column you wish to create a PDF file
- Touch the Save PDF to Drive button

You will see the following screen appear and it will take about 90 seconds to write all 64 registrations into a PDF document. Much faster than you could write even one register on paper!

The last chapter to come will be hints and suggestions to help you create registers. You should find the following Appendix very helpful in helping you learn all the sounds in your Concerto. Think of each as a different color in your pallet. It would be good when you have the time to listen to each of them. You will be surprised at what will come to mind maybe even months from now!

HAVE FUN – AND THANK YOU!

From Concerto A Camp Concerto

Aug 24, 2020 2:51:40

Page 1 of 16

Song Bank: 1 Camp Concerto 2020 Registration: 1 Doggie in the Window

RVB	CHR	PAN	VEL	OCT	VOL	ENB					ENB	VOL	OCT	VEL	PAN	CHR	RVB
40	0	64	80	0	104	Y	Acoustic Bass 1	Traditional Clarinet	N	104	0	100	25	0	100		
40	0	64	80	1	112	Y	Nylon Guitar	Orchestra / Horn 1	N	112	0	100	110	0	100		
80	0	20	62	0	65	Y	Nylon Guitar	Musical Box	Y	65	0	100	80	0	100		
80	0	40	86	0	40	Y	Accompaniment Strings 1	Fantasy	Y	40	0	84	43	10	100		
Split		BR	C Range		Arpeggio		Repeat OFF		FS A CONTROL 64 B2 C1 O1				RVB	CHR	TCH	BEL	
OFF		Low F#		F# to F		OFF		FS B Dog N: 48 Ch: 13 Vol: 115 Vel: 127		FS C Dog N: 72 Ch: 14 Vol: 97 Vel: 100				Y	Y	Y	N

Song Bank: 1 Camp Concerto 2020 Registration: 2 Tiny Bubbles 1

RVB	CHR	PAN	VEL	OCT	VOL	ENB					ENB	VOL	OCT	VEL	PAN	CHR	RVB
40	0	64	80	0	96	Y	Acoustic Bass 1	Traditional Clarinet	N	96	0	100	25	0	100		
40	0	64	80	0	85	Y	Big Fast Strings	Orchestra / Horn 1	N	85	0	100	110	0	100		
80	0	20	62	0	65	Y	Hawaiian Guitar 1	Hawaiian Guitar 1	Y	65	0	100	80	0	100		
80	0	40	86	0	40	Y	Accompaniment Strings 1	Fantasy	Y	40	0	84	43	10	100		
Split		BR	C Range	Arpeggio	Repeat OFF				FS A CONTROL 64 B2 C1 O1				RVB	CHR	TCH	BEL	
OFF	Low F#	F# to F	OFF	FS B Birds N: 60 Ch: 13 Vol: 115 Vel: 127				FS C Seashore N: 60 Ch: 14 Vol: 80 Vel: 66				Y	Y	Y	N		

Songs 1 - 8:
From Concerto A Camp Concerto

Songs 9 - 16:
Paul's B set

Song Sets

From Concerto A Camp Concerto

From Concerto A Jun 10, 2020 10:56:18 AM

From Concerto A Jun 10, 2020 12:32:10 PM

From Concerto A Jun 10, 2020 2:00:40 PM

From Concerto A Jun 15, 2020 1:46:39 PM

From Concerto A Jun 15, 2020 3:27:08 PM

From Concerto A May 11, 2020 4:33:27 PM

From Concerto B Jun 10, 2020 10:44:38 AM

Songs

Camp Concerto 2020

Song 2 (Factory)

Song 3 (Factory)

Song 4 (Factory)

Song 5 (Factory)

Song 6 (Factory)

Song 7 (Factory)

Song 8 (Factory)

Registers

Rename

Create Copy

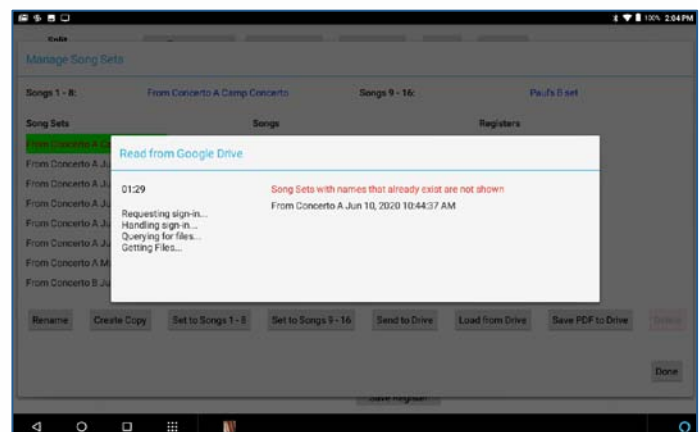
Set to Songs 1 - 8

Set to Songs 9 - 16

Send to Drive

Load from Drive

Save PDF to Drive



## Concerto DA-300 Digital Sounds

Number	Sound	Family	PC	Bank
1	16'+16'+8' Accordion	Accordions	4	32
2	Accordion	Accordions	8	32
3	Accordion Bass 1	Accordions	36	32
4	Accordion Bass 2	Accordions	37	32
5	Accordion Chord 1	Accordions	38	32
6	Accordion Chord 2	Accordions	39	32
7	Accordion Chord 3	Accordions	40	32
8	American Tremolo Accordion	Accordions	25	32
9	Bandoneon 1	Accordions	5	32
10	Bandoneon 2	Accordions	6	32
11	Bassoon	Accordions	1	32
12	Brilliant Accordion	Accordions	21	32
13	Cassotto	Accordions	2	32
14	Celeste Accordion	Accordions	23	32
15	Clarinet Accordion	Accordions	30	32
16	Diatonic Accordion	Accordions	33	32
17	Diatonic Accordion Bass	Accordions	34	32
18	Diatonic Accordion Chord	Accordions	35	32
19	Double Basson	Accordions	3	32
20	Flute Accordion	Accordions	31	32
21	French Accordion	Accordions	19	32
22	Harmon	Accordions	11	32
23	Horn Accordion	Accordions	9	32
24	Italian Accordion	Accordions	20	32
25	Master 1	Accordions	12	32
26	Master 2	Accordions	13	32
27	Master 3	Accordions	14	32
28	Master 4	Accordions	15	32
29	Master 5	Accordions	16	32
30	Master 6	Accordions	17	32
31	Musette	Accordions	18	32
32	Musette + Piccolo Accordion	Accordions	27	32
33	Oboe Accordion 1	Accordions	28	32
34	Oboe Accordion 2	Accordions	29	32
35	Organ Accordion	Accordions	10	32
36	Piccolo Accordion	Accordions	32	32
37	Tango Accordion	Accordions	26	32
38	Tremolo Accordion	Accordions	24	32
39	Tuba Accordion	Accordions	7	32
40	Violino Accordion	Accordions	22	32
41	Alto Sax 1	Brass & Woodwinds	66	0
42	Alto Sax 2	Brass & Woodwinds	66	8
43	Baritone sax	Brass & Woodwinds	68	0
44	Bassoon	Brass & Woodwinds	71	0
45	Big Brass Orchestra 1	Brass & Woodwinds	62	16
46	Big Brass Orchestra 2	Brass & Woodwinds	62	24
47	Big Brass Orchestra 3	Brass & Woodwinds	62	25
48	Big Brass Orchestra 4	Brass & Woodwinds	62	26
49	Blow Bottle	Brass & Woodwinds	77	0



### Concerto DA-300 Digital Sounds

50	Brass	Brass & Woodwinds	62	0
51	Circus Sax	Brass & Woodwinds	66	16
52	Clarinet	Brass & Woodwinds	72	0
53	English Horn	Brass & Woodwinds	70	0
54	Flugel Horn	Brass & Woodwinds	61	17
55	Flute	Brass & Woodwinds	74	0
56	French Horn 1	Brass & Woodwinds	61	0
57	French Horn 2	Brass & Woodwinds	61	4
58	French Horn 3	Brass & Woodwinds	61	8
59	Horn Section	Brass & Woodwinds	61	16
60	Jazz Flute	Brass & Woodwinds	74	8
61	Mellow Clarinet	Brass & Woodwinds	72	16
62	Mellow Trombone	Brass & Woodwinds	58	8
63	Muted Trumpet	Brass & Woodwinds	60	0
64	Night Sax	Brass & Woodwinds	66	4
65	Oboe	Brass & Woodwinds	69	0
66	Ocarina	Brass & Woodwinds	80	0
67	Pan Flute	Brass & Woodwinds	76	0
68	Piccolo	Brass & Woodwinds	73	0
69	Recorder	Brass & Woodwinds	75	0
70	Rock Sax	Brass & Woodwinds	67	17
71	Sax Section 1	Brass & Woodwinds	67	24
72	Sax Section 2	Brass & Woodwinds	67	25
73	Sax Section 3	Brass & Woodwinds	67	26
74	Shakuhachi	Brass & Woodwinds	78	0
75	Soft Brass 1	Brass & Woodwinds	62	3
76	Soft Brass 2	Brass & Woodwinds	62	4
77	Soft Brass 3	Brass & Woodwinds	62	8
78	Soft Brass 4	Brass & Woodwinds	62	9
79	Soft Trombone	Brass & Woodwinds	58	24
80	Soprano Sax	Brass & Woodwinds	65	0
81	Symphonic Orchestra	Brass & Woodwinds	72	28
82	Synth Brass 1	Brass & Woodwinds	63	0
83	Synth Brass 2	Brass & Woodwinds	64	0
84	Synth Brass 3	Brass & Woodwinds	63	8
85	Synth Brass 4	Brass & Woodwinds	64	8
86	Tenor Sax	Brass & Woodwinds	67	0
87	Tenor Sax Vibration	Brass & Woodwinds	67	16
88	Traditional Clarinet	Brass & Woodwinds	72	8
89	Trombone 1	Brass & Woodwinds	58	0
90	Trombone 2	Brass & Woodwinds	58	4
91	Trumpet 1	Brass & Woodwinds	57	0
92	Trumpet 2	Brass & Woodwinds	57	8
93	Trumpet 3	Brass & Woodwinds	57	16
94	Tuba 1	Brass & Woodwinds	59	0
95	Tuba 2	Brass & Woodwinds	59	8
96	Whistle	Brass & Woodwinds	79	0
97	Woodwind Section 1	Brass & Woodwinds	72	25
98	Woodwind Section 2	Brass & Woodwinds	72	26
99	Woodwind Section 3	Brass & Woodwinds	72	27

## Concerto DA-300 Digital Sounds

100	Agogo	Drums & Percussion	114	0
101	Applause	Sound Effects	127	0
102	Bird Tweet	Sound Effects	124	3
103	Breath Noise	Sound Effects	122	0
104	Concert Bass Drum	Drums & Percussion	117	8
105	Guitar Fret Noise	Sound Effects	121	0
106	Gun Shot	Sound Effects	128	0
107	Helicopter	Sound Effects	126	0
108	Melodic Tom 1	Drums & Percussion	118	0
109	Melodic Tom 2	Drums & Percussion	118	8
110	Reverse Cymbal	Drums & Percussion	120	0
111	Seashore	Sound Effects	123	0
112	Spanish Castanet	Drums & Percussion	116	8
113	Steel Drum	Drums & Percussion	115	0
114	Synth Drum 1	Drums & Percussion	119	0
115	Synth Drum 2	Drums & Percussion	119	8
116	Synth Drum 3	Drums & Percussion	119	9
117	Taiko Drum	Drums & Percussion	117	0
118	Telephone 1	Sound Effects	125	0
119	Timpani	Drums & Percussion	48	0
120	Timpani Roll	Drums & Percussion	48	8
121	Tinkle Bell	Drums & Percussion	113	0
122	Wood Block	Drums & Percussion	116	0
123	12 Strings Guitar	Guitar & Basses	26	8
124	60' Guitar 1	Guitar & Basses	28	24
125	60' Guitar 2	Guitar & Basses	28	25
126	Acoustic Bass / Ride Cymbal	Guitar & Basses	33	16
127	Acoustic Bass 1	Guitar & Basses	33	0
128	Acoustic Bass 2	Guitar & Basses	33	1
129	Acoustic Bass 3	Guitar & Basses	33	8
130	Bass 16' + 8'	Guitar & Basses	35	8
131	Bass 8'	Guitar & Basses	35	16
132	Big Bass 1	Guitar & Basses	34	4
133	Big Bass 2	Guitar & Basses	34	8
134	Big Bass Sustain	Guitar & Basses	34	16
135	Brazilian Guitar	Guitar & Basses	25	8
136	Classical Guitar	Guitar & Basses	25	17
137	Clean Guitar 1	Guitar & Basses	28	0
138	Clean Guitar 2	Guitar & Basses	28	8
139	Country Guitar	Guitar & Basses	27	24
140	Distortion Guitar	Guitar & Basses	31	0
141	Distortion Guitar Vibration	Guitar & Basses	31	16
142	Double Jazz Guitar 1	Guitar & Basses	27	4
143	Double Jazz Guitar 2	Guitar & Basses	27	5
144	Electric Guitar	Guitar & Basses	28	16
145	Feed Back Guitar 1	Guitar & Basses	31	8
146	Finger Bass 1	Guitar & Basses	34	0
147	Finger Bass 2	Guitar & Basses	34	1
148	Finger Bass 3	Guitar & Basses	34	3
149	Finger Slap Bass	Guitar & Basses	34	2

### Concerto DA-300 Digital Sounds

150	Folk Guitar	Guitar & Basses	26	9
151	Fretless Bass 1	Guitar & Basses	36	0
152	Fretless Bass 2	Guitar & Basses	36	8
153	Funk Guitar 1	Guitar & Basses	29	8
154	Funk Guitar 2	Guitar & Basses	29	16
155	Guitar Harmonics	Guitar & Basses	32	0
156	Hawaiian Guitar 1	Guitar & Basses	27	8
157	Hawaiian Guitar 2	Guitar & Basses	27	16
158	Italian Mandolin	Guitar & Basses	26	16
159	Jazz Guitar + Vibraphone	Guitar & Basses	27	6
160	Jazz Guitar 1	Guitar & Basses	27	0
161	Jazz Guitar 2	Guitar & Basses	27	1
162	Jazz Guitar 3	Guitar & Basses	27	2
163	Mute Guitar	Guitar & Basses	29	0
164	Nylon Guitar	Guitar & Basses	25	0
165	Nylon Guitar / Strings	Guitar & Basses	25	16
166	Organ Bass 1	Guitar & Basses	34	24
167	Organ Bass 2	Guitar & Basses	35	24
168	Organ Bass 3	Guitar & Basses	35	26
169	Overdrive Guitar	Guitar & Basses	30	0
170	Pick Bass	Guitar & Basses	35	0
171	Slap Bass 1	Guitar & Basses	37	0
172	Slap Bass 2	Guitar & Basses	37	8
173	Slap Bass 3	Guitar & Basses	38	0
174	Slap Bass 4	Guitar & Basses	38	8
175	Spanish Guitar	Guitar & Basses	25	4
176	Steel Guitar	Guitar & Basses	26	0
177	Synth Bass 1	Guitar & Basses	39	0
178	Synth Bass 2	Guitar & Basses	40	0
179	Synth Bass 3	Guitar & Basses	39	8
180	Synth Bass 4	Guitar & Basses	40	8
181	Synth Bass 5	Guitar & Basses	39	16
182	Unplugged Acoustic Guitar	Guitar & Basses	26	10
183	60' Organ	Organs	17	16
184	Accordion	Organs	22	0
185	American Heritage	Organs	20	48
186	American Reed	Organs	20	50
187	Blues Harp	Organs	23	8
188	Chapel Organ	Organs	20	38
189	Church Organ / Voice	Organs	20	24
190	Church Organ 1	Organs	20	0
191	Church Organ 2	Organs	20	8
192	Church Organ 3	Organs	20	16
193	Church Organ 4	Organs	20	37
194	Cinema Organ	Organs	20	46
195	Click Organ	Organs	17	13
196	Cool Organ	Organs	17	18
197	Drawbar Organ	Organs	17	0
198	Full Organ Fast Rotor	Organs	17	8
199	Gospel Organ	Organs	17	23

## Concerto DA-300 Digital Sounds

200	harmonica	Organs	23	0
201	Jazz Organ 1	Organs	17	26
202	Jazz Organ 2	Organs	18	8
203	Lower Organ 2	Organs	20	39
204	Lower Organ 3	Organs	20	40
205	Master Accordion	Organs	22	8
206	Organ Flutes 16' + 2'	Organs	20	35
207	Organ Flutes 16' + 4'	Organs	20	34
208	Organ Flutes 16' + 8'	Organs	20	33
209	Percussion Organ 1	Organs	18	0
210	Reed Organ	Organs	21	0
211	Rock Organ 1	Organs	17	17
212	Rock Organ 2	Organs	17	27
213	Rock Organ 3	Organs	19	0
214	Rotor Organ	Organs	17	22
215	Soft Organ	Organs	20	41
216	Tango Accordion	Organs	24	0
217	Theatre 4	Organs	20	47
218	Theatre 3	Organs	20	45
219	Theatre Organ	Organs	20	36
220	Theatre Organ 1	Organs	17	14
221	Theatre Organ 2	Organs	17	15
222	Tibia 1	Organs	20	42
223	Tibia 2	Organs	20	43
224	Tibia Vox	Organs	20	44
225	Tone Wheel Organ	Organs	17	20
226	Bright Piano	Pianos	2	0
227	Celesta	Pianos	9	0
228	Chimes	Pianos	15	0
229	Church Bell 1	Pianos	15	8
230	Church Bell 2	Pianos	15	9
231	Clavinet	Pianos	8	0
232	Detuned Electric Piano 1	Pianos	5	7
233	Detuned Electric Piano 2	Pianos	6	8
234	Dulcimer	Pianos	16	0
235	Electric Piano / Voice	Pianos	6	24
236	Electric Piano + Strings	Pianos	6	16
237	Electric Piano 1	Pianos	3	0
238	Electric Piano 1	Pianos	5	0
239	Electric Piano 2	Pianos	6	0
240	Electric Piano 2	Pianos	3	8
241	Funky Clavinet	Pianos	8	8
242	Galaxy Electric Piano	Pianos	6	9
243	Glockenspiel	Pianos	10	0
244	Grand Piano + Strings	Pianos	1	16
245	Grand Piano 1	Pianos	1	90
246	Grand Piano 2	Pianos	1	0
247	Harpsichord / Strings	Pianos	7	16
248	Harpsichord 1	Pianos	7	0
249	Harpsichord 2	Pianos	7	8

### Concerto DA-300 Digital Sounds

250	Honky Tonky Piano	Pianos	4	0
251	Mallet Electric Piano	Pianos	5	8
252	Marimba	Pianos	13	0
253	Marimba Repeat	Pianos	13	8
254	Mixed Electric Piano	Pianos	5	24
255	Musical Box	Pianos	11	0
256	Octave Piano 1	Pianos	1	24
257	Octave Piano 2	Pianos	1	25
258	Soft Electric Piano	Pianos	5	16
259	Tubular Bell	Pianos	15	16
260	Vibraphone 1	Pianos	12	0
261	Vibraphone 2	Pianos	12	8
262	Vibraphone 3	Pianos	12	16
263	Wurly Electric Piano	Pianos	6	25
264	Xylophone	Pianos	14	0
265	Accompaniment Strings 1	Strings & Vocals	50	18
266	Accompaniment Strings 2	Strings & Vocals	50	19
267	Big Choir	Strings & Vocals	53	8
268	Big Fast Strings	Strings & Vocals	49	4
269	Big Pad	Strings & Vocals	52	8
270	Big Slow Attack Strings	Strings & Vocals	50	4
271	Cello	Strings & Vocals	43	0
272	Double Bass	Strings & Vocals	44	0
273	Dynamic Orchestra	Strings & Vocals	49	16
274	Fast Strings	Strings & Vocals	49	0
275	Harp	Strings & Vocals	47	0
276	Octave Pizzicato 1	Strings & Vocals	46	8
277	Octave Pizzicato 2	Strings & Vocals	46	16
278	Octave Strings 1	Strings & Vocals	50	8
279	Octave Strings 2	Strings & Vocals	50	17
280	Orchestra / Flute	Strings & Vocals	49	25
281	Orchestra / Horn 1	Strings & Vocals	49	27
282	Orchestra / Horn 2	Strings & Vocals	49	28
283	Orchestra / Oboe	Strings & Vocals	49	26
284	Orchestra / Woodwind	Strings & Vocals	49	29
285	Orchestra Hit	Strings & Vocals	56	0
286	Pad Voice	Strings & Vocals	55	8
287	Pizzicato	Strings & Vocals	46	0
288	Scat Voice	Strings & Vocals	54	0
289	Slow Strings	Strings & Vocals	50	0
290	Soft Pad	Strings & Vocals	55	16
291	Strings / Voice	Strings & Vocals	53	18
292	Synth Strings 1	Strings & Vocals	51	0
293	Synth Strings 2	Strings & Vocals	52	0
294	Synth Voice	Strings & Vocals	55	0
295	Tremolo Strings	Strings & Vocals	45	0
296	Viola	Strings & Vocals	42	0
297	Violin 1	Strings & Vocals	41	0
298	Violin 2	Strings & Vocals	41	8
299	Vocal Choir Aah	Strings & Vocals	53	0



## Concerto DA-300 Digital Sounds

300	Vocal Choir Aah / Voice	Strings & Vocals	53	4
301	Voice / Organ	Strings & Vocals	53	24
302	Voice / Principal 8'	Strings & Vocals	53	25
303	Voice / Strings 1	Strings & Vocals	53	16
304	Voice / Strings 2	Strings & Vocals	53	17
305	Warm Strings	Strings & Vocals	50	16
306	Atmosphere 1	Synth & Keyboards	100	0
307	Atmosphere 2	Synth & Keyboards	100	8
308	Bowed	Synth & Keyboards	93	0
309	Bright Synth	Synth & Keyboards	101	0
310	Calliope	Synth & Keyboards	83	0
311	Charang	Synth & Keyboards	85	0
312	Chiff	Synth & Keyboards	84	0
313	Crystal	Synth & Keyboards	99	0
314	Echo Pan	Synth & Keyboards	103	2
315	Echoes	Synth & Keyboards	103	0
316	Fantasy	Synth & Keyboards	89	16
317	Fifth	Synth & Keyboards	87	0
318	Ghost	Synth & Keyboards	102	8
319	Goblins	Synth & Keyboards	102	0
320	Halo Pad	Synth & Keyboards	95	0
321	Ice rain	Synth & Keyboards	97	0
322	Metallic	Synth & Keyboards	94	0
323	New Age	Synth & Keyboards	89	0
324	Orchestra Bell	Synth & Keyboards	89	8
325	Polysynth	Synth & Keyboards	91	0
326	Sawtooth Synth Wave 1	Synth & Keyboards	82	0
327	Sawtooth Synth Wave 2	Synth & Keyboards	82	1
328	SciFi	Synth & Keyboards	104	0
329	Sound Track	Synth & Keyboards	98	0
330	Square Synth Wave 1	Synth & Keyboards	81	0
331	Square Synth Wave 2	Synth & Keyboards	81	1
332	Sweep Pad	Synth & Keyboards	96	0
333	Synth Bass Lead 1	Synth & Keyboards	88	0
334	Synth Bass Lead 2	Synth & Keyboards	88	8
335	Synth Choir	Synth & Keyboards	92	0
336	Synth Flute	Synth & Keyboards	82	8
337	Synth Wave	Synth & Keyboards	81	8
338	Voice	Synth & Keyboards	86	0
339	Voice Sustain	Synth & Keyboards	86	8
340	Warm Pad	Synth & Keyboards	90	0
341	Bagpipe	World Instruments	110	0
342	Banjo	World Instruments	106	0
343	Banjo Repeat	World Instruments	106	8
344	Fiddle	World Instruments	111	0
345	Kalimba	World Instruments	109	0
346	Koto 1	World Instruments	108	0
347	Koto 2	World Instruments	108	8
348	Shamisen	World Instruments	107	0
349	Shanai	World Instruments	112	0

### Concerto DA-300 Digital Sounds

350	Sitar	World Instruments	105	0
351	Uilleann Pipe	World Instruments	110	8
352	Cut Noise	Sound Effects	121	1
353	String Slap	Sound Effects	121	2
354	Key Click	Sound Effects	122	1
355	Rain	Sound Effects	123	1
356	Thunder	Sound Effects	123	2
357	Wind	Sound Effects	123	3
358	Stream	Sound Effects	123	4
359	Bubble	Sound Effects	123	5
360	Dog	Sound Effects	124	1
361	Horse	Sound Effects	124	2
362	Birds	Sound Effects	124	3
363	Telephone 2	Sound Effects	125	1
364	Door Open	Sound Effects	125	2
365	Door Closed	Sound Effects	125	3
366	Scratch	Sound Effects	125	4
367	Wind Chime	Sound Effects	125	5
368	Car Start	Sound Effects	126	1
369	Car Break	Sound Effects	126	2
370	Car Pass	Sound Effects	126	3
371	Car Crash	Sound Effects	126	4
372	Police	Sound Effects	126	5
373	Train	Sound Effects	126	6
374	Jet	Sound Effects	126	7
375	Starship	Sound Effects	126	8
376	Burst	Sound Effects	126	9
377	Laughing	Sound Effects	127	1
378	Screaming	Sound Effects	127	2
379	Punch	Sound Effects	127	3
380	Heart	Sound Effects	127	4
381	Footstep	Sound Effects	127	5
382	Yeah	Sound Effects	127	6
383	Voice_1_One	Sound Effects	127	7
384	Voice_2_Two	Sound Effects	127	8
385	Voice_3_Three	Sound Effects	127	9
386	Voice_4_Four	Sound Effects	127	10
387	Machine	Sound Effects	128	1
388	Laser Gun	Sound Effects	128	2
389	Explosion	Sound Effects	128	3

# MIDI IMPLEMENTATION CHART

CONCERTO ACCORDION - Date August 24, 2020

By Accordions International - Model 300 Version 1.05

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Function ***	Transmitted	Recognized	Remarks
<b>Basic</b> Default <b>Channel</b> Changed	1-16	1-16	
<b>Mode</b> Default Messages3; Altered	Mode 3 X *****	Mode 1 X X	
<b>Note Number</b> True Voice	0-127 *****	0-127	Treble 17-127, Bass 0-72 Chord 12, 127
<b>Velocity</b> Note ON Note OFF	O 9nH, V=1~127 O 9nH, V=1~0	O 9nH, V=1~127 O 9nH, V=1~0 of 8nh	
<b>After Touch</b> Keys Ch's	X 0	0 0	
<b>Pitch Bend</b>	0	0	
<b>Control Change</b> 0, 32 1 5 6 7 10 11 64 65 66 67 71 72 73 74 75 76, 77, 78 91, 93 100, 101 120 121	O 0	0 (MSB only) 0	Bank Select Modulation Portamento time Data entry Volume Panpot Expression Sustain Portamento Sostenuto Soft TVF Resonance Envelope Release Envelope Attack TVF Cutoff Freq. Envelope decay time Vibrato DSP Depth RPN LSB, MSB All sound off Reset all Controllers
<b>Program Change</b> True #	0-127 0-127	0-127 0-127	Program 0 - 127
<b>System Exclusive</b>	0	0	
<b>System</b> Song Pos <b>Common</b> Song Sel True	X X X	X X X	
<b>System</b> Clock <b>Real Time</b> Commands	0 Start/Stop	X X	
<b>AUX</b> Local ON/OFF <b>Messages</b> All Notes OFF Active Sense Reset	X 0 0 X	X 0 0 X	
<b>Notes</b>	*Concerto MIDI Channels – Format from Channel 1-16 Bass 1 = CH 3, Bass 2 = CH 8, Chord 1 = CH 2, Chord 2 = CH 11 Solo 1 = CH 4, Solo 2 = CH 7, ORCH 1 = CH 1, ORCH 2 = CH 9 Footswitch A = CH 13, B = 14, C = 15		

Mode 1 : OMNI ON, POLY  
Mode 3 : MONO OFF, POLY

Mode 2 : OMNI ON, MONO  
Mode 4 : OMNI OFF, MONO

0 = YES  
X = NO



### **Concerto DA300 – Digital & Acoustic Accordion**

Product of:  
Accordions International  
1760 South 450 West  
Salt Lake City, UT 84115

Phone +1 801-485-5840 | Email [paul@accordionfactory.com](mailto:paul@accordionfactory.com)

[AccordionFactory.com](http://AccordionFactory.com) – [MyConcerto.org](http://MyConcerto.org) – [ConcertoSupport.com](http://ConcertoSupport.com)