

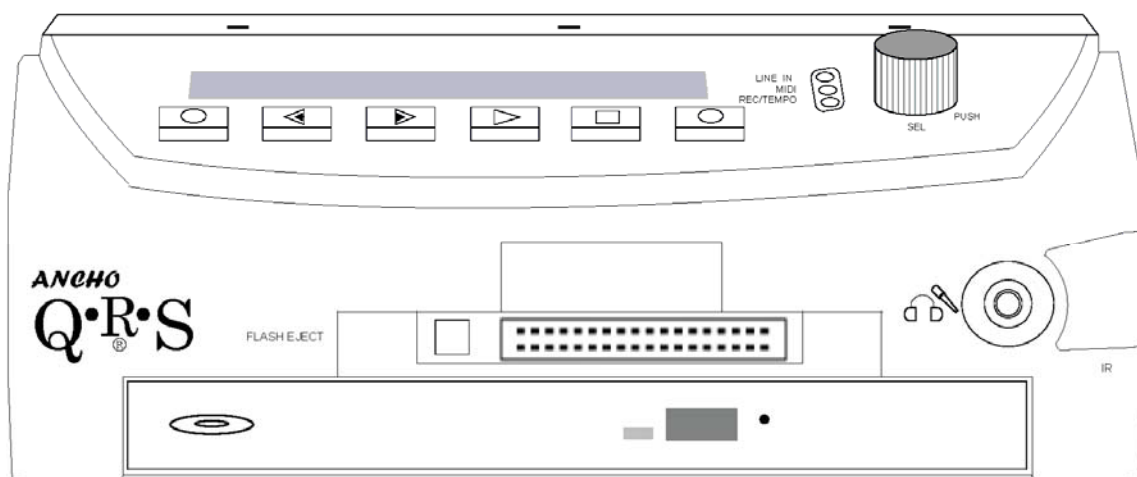


Ancho

Owner's Manual

Manual #980021

Application Version - V69



- Internal Source - *Preloaded Music*
- CD Drive
- CompactFlash Card Reader
- MP3 Music File Playback - Auto Detects Audio or Pianomation
- Complete Control From the Front Panel's Rotary Dial
- Recording Capabilities - *Optional Record Strip Required*
- Internal Soundcard
- 20 Character Display
- NetPiano Playback Capability - *Subscription Service Required*

MPE files are no longer supported.

Ancho will still recognize MP3 files and now automatically detect any left channel QRS AMI signal and direct it to Pianomation to trigger the keys.

QRS Music Technologies, Inc.

Warnings

FCC INFORMATION

1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**

This product, when installed as indicated in the Installation Manual, meets FCC requirements. Modifications not expressly approved by QRS Music Technologies, Inc. may void your authority, granted by the FCC, to use this product.

2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cables supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the United States of America.

3. **NOTE:** This product has been tested and found to comply with the requirements listed in the FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the Installation Manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

- Relocate either this product or the device that is being affected by the interference.
- Utilize power outlets that are on different circuits (circuit breaker or fuse) or install AC line filters.

If these corrective measures do not produce satisfactory results, please contact the local authorized distributor, or contact QRS Music Technologies, Inc. 2011 Seward Ave. Naples, FL 34109.



INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

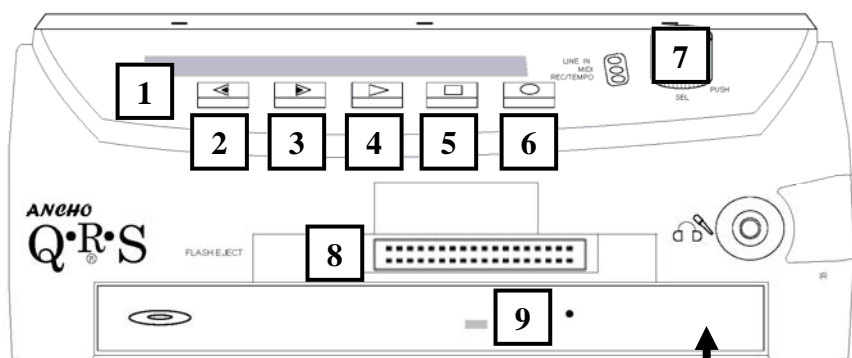
GROUNDING INSTRUCTIONS: This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

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Ancho's Front Panel Buttons



See page 16 for the complete list of "Front Panel Features".

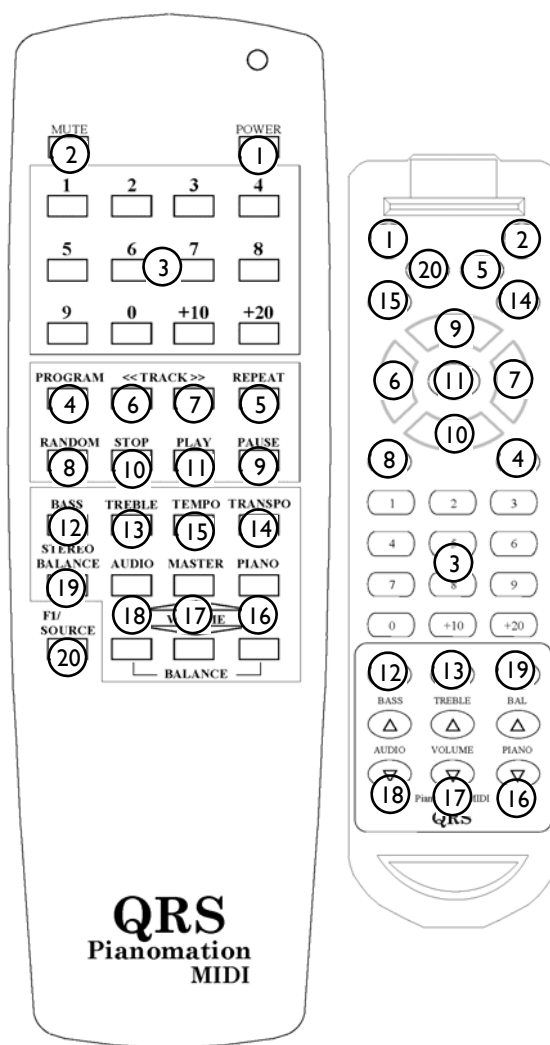
Push Here to Close Door!

1	Power
2	"Previous" Track Left
3	"Next" Track Right
4	Play
5	Stop
6	Record Source
7	ADJ/SEL Dial Rotate to Adjust Press to Select, PLAY, PAUSE or STOP
8	CompactFlash Card Eject
9	CD Eject

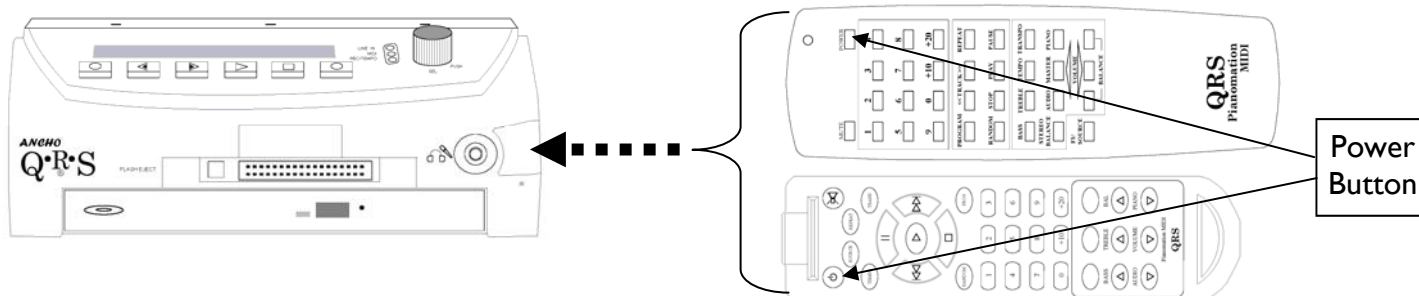
Remote Control Buttons

See these pages in section "Remote Control Features" for more information

①	POWER the system ON and OFF.	10
②	MUTE the piano and audio.	10
③	NUMBER buttons select specific song tracks.	12
④	PROGRAM Up "P" exits from within a program.	11
⑤	Tap REPEAT during playback to select a repeat play mode.	11
⑥	Return to a PREVIOUS TRACK or PROGRAM.	12
⑦	Advance to the NEXT TRACK or PROGRAM.	12
⑧	Tap RANDOM to select a random play mode.	11
⑨	PAUSE play.	10
⑩	STOP play.	10
⑪	Begin PLAY .	10
⑫	Press BASS and then the master/volume buttons.	10
⑬	Press TREBLE and then the master/volume buttons.	11
⑭	Press TRANSPOSE and then the master volume up and down buttons to change the key of the music, except when playing a CD.	11
⑮	Press TEMPO and then the master volume up and down buttons to change the tempo of the music, except when playing a CD.	12
⑯	PIANO VOLUME	10
⑰	MASTER VOLUME (piano and audio).	10
⑱	AUDIO VOLUME	10
⑲	Press the STEREO BALANCE and then the <<track>> buttons.	12
⑳	In stop mode, tap the SOURCE button and then the number button assigned to the desired source.	10



Powering ON Ancho for the First Time



Point the remote control at Ancho's IR sensor and press the POWER button.

Please wait for about 20 seconds for Ancho and Pianomation to power on.

See page 47, "Power On Sequence" for the Ancho serial number and other system information.

Ancho may power on to any one the following sources:

If you're not certain which source is currently selected, tap the SOURCE button to display the current source.

Display [First 6 Segments]	Source	Description	Page
0 2 4 m I N	Internal	The "m" denotes a MIDI file and "IN" indicates the Internal Source is selected. Press PLAY on the remote to play through the 24 Internal pre-installed songs.	6
x x Q R S	CD	"XX" represents the total number of songs on the CD. This CD is recognized as "QRS" Nostalgic, Performance, Concert or SyncAlong. Press PLAY on the remote to play tracks 1 through "XX"	8 20
x x S A L	CD	"SAL" indicates that a QRS SyncAlong Series CD inserted. Ancho is waiting for you to enter the SyncAlong access code. See "Play a QRS SyncAlong Series CD".	9
x x x C D	CD or CF	Three numbers "XXX" or a "P01" indicate recognizable music files on either the CD Source or the CompactFlash Source. "Play from the CompactFlash Source" See "Play MIDI & MP3 Files from CDROM or CompactFlash"	11 13 15
x x x C D			
P 0 1 C D			
P 0 1 C F			
A M I : A U	Auxiliary	"AMI" with a flashing dot indicates that the Source is active. Ancho is waiting to receive a signal into its Auxiliary rear panel's "Line In" jack. See "Play Non-SyncAlong QRS CDs From Your Own CD player". STOP on the remote must be pressed before changing to another source.	23
0 0 1 R M I	MIDI	Either of these two displays would indicate the MIDI Source is active. Use to optional record or play Ancho from an external MIDI device. To play from this source requires an optional MIDI Adapter Cable and jumper. STOP on the remote must be pressed before changing to another source.	22
0 0 0 E M I			
0 0 1 M R C	Record	Requires the optional PNOscan Record system, MIDI Adapter Cable and jumper.	14-15

Changing Sources [CD-Internal-CompactFlash-Auxiliary-MIDI-Record]

Using the remote control, press STOP to halt play. *The source cannot be changed if the unit is in play mode.*

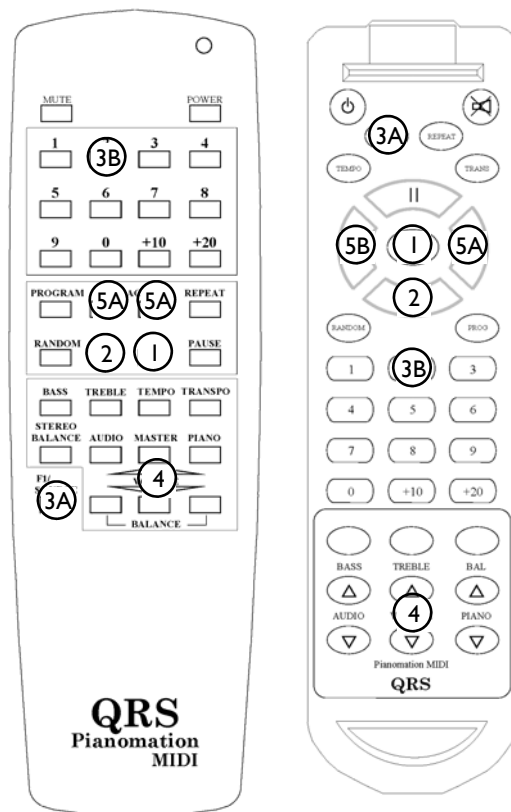
Available Sources

You can choose any one of these three options to select a source.		1 = CD - CD Drive 2 = IN - Internal Music 3 = CF - CompactFlash 4 = AU - Auxiliary 5 = MI - MIDI 6 = RC - Record
1	Repeatedly tap the SOURCE button to cycle through the source list. Stop tapping when the desired source displays.	
2	Tap the SOURCE button, then immediately the number button associated with the desired source.	
3	Tap the SOURCE button and then immediately tap the <<TRACK>> buttons, repeatedly, until the desired source displays	

Play the Internal Source's Pre-installed Music

Internal Source "IN"

①	If Ancho has powered on and the display reads "024" you are ready to play solo piano music from the internal source. Just press the PLAY button. Otherwise...	
②	Press Stop	Press the STOP button to halt play.
③A ③B	Select the Internal Source	Tap the Source button and then the number 2 button to select the Internal Source, "IN". Wait for "024" to display.
①	Play Song	Press the PLAY and the first song begins to play.
④	Adjust Volume	Use these six buttons to adjust the volume levels. Piano adjusts the piano only. Audio adjusts the speaker volume. Master adjusts the Piano and Audio together. See page 8, "How to Properly Adjust the Piano, Audio and Master Volume Levels".
②	Stop play	Press the STOP button to stop the song.
⑤A	Next Song	Pressing the TRACK >> will advance to the Next song.
⑤B	Previous Song	Pressing the << TRACK will go to the Previous song.



Internal Source Song List

Solo Piano MIDI Files

Internal Music Memory: Size = 1.44MB

1	Georgia On My Mind	7	Burt Bacharach Medley	13	Perfidia	19	Music Of The Night
2	Candle In The Wind	8	Ain't Misbehavin'	14	Crazy	20	Amazing Grace
3	Feelings	9	Nice Work If You Can Get It	15	Night And Day	21	On The Beautiful Blue Danube
4	Greensleeves	10	Sweet And Low Down	16	Someone To Watch Over Me	22	Ave Maria
5	Danny Boy	11	Angel Eyes	17	Something	23	Meditation and Intermezzo
6	Mack The Knife	12	Yes! We Have No Bananas	18	Stars Fell On Alabama	24	Liebesleid

PLAY Modes

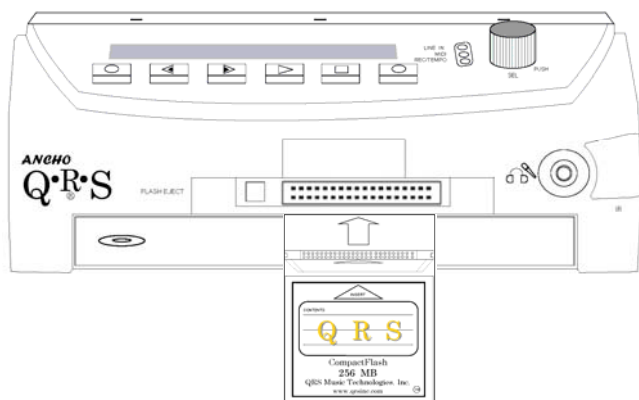
If your Ancho doesn't seem to be playing the way you think it should check below to verify the mode.

For example, if the "Random" button on the remote is press by mistake, the Ancho will play one song and then stop.

Page

STOP	■		10
PLAY	▶	Normal PLAY mode.	
PAUSE	⏸	Pause halts play, the music continues from that point when play resumes.	
One Random Song	▶●	Plays only one song random song and then stops!	11
Random Program	▶●●	Plays songs randomly within the selected CD or Program on CDROM or CF.	
Random Source	▶●●●	Plays songs randomly within the selected source.	
Repeat Song	▶↺	Repeats the selected song	
Repeat Program	▶↺	Repeats all songs in the selected CD or Program on CDROM or CF	

Play from the CompactFlash Source - QRS Music Sampler

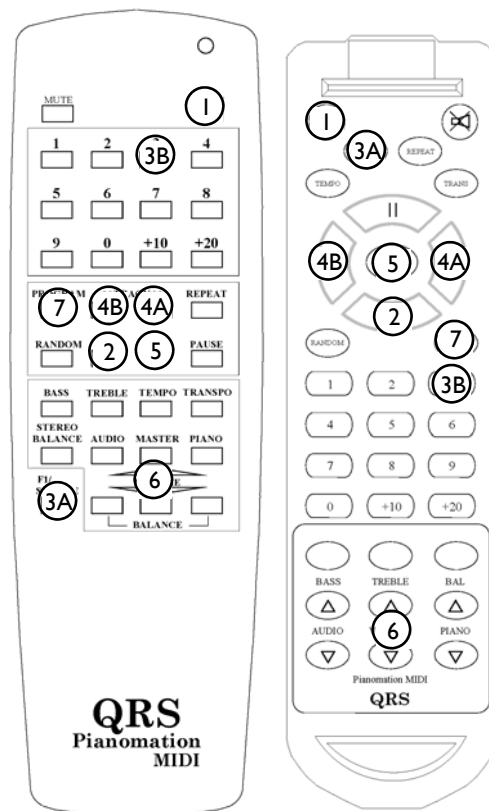


CompactFlash Source "CF"

Program (P) List	P #
Children's Music	P01
Country & Western	P02
Classical	P03
Christmas & Holiday	P04
Dinner Music	P05
International	P06
Jazz	P07
Musicals	P08
New Age	P09
Nostalgic	P10
Popular	P11
Ragtime, Stride & Boogie	P12
Sacred	P13
Concert Series	P14

With the **POWER OFF**, insert the CompactFlash card into the reader.

①	Power ON	Press the Power button to turn on the system.
②	Press Stop	Press the STOP button to remove any flashing dots in display.
③A ③B	Select the CF Source	Tap the Source button and then the number 3 button to select the CompactFlash Source. You can also repeatedly tap the Source button to cycle through all of the sources. Stop tapping when "CF" displays Wait for "P" and the total number of Programs to display.
④A ④B	Select a Program (P#)	Tap the <<TRACK>> buttons to display the desired Program (P#) from the list above.
⑤	Play Song	Press PLAY to enter the Program. Press PLAY again to play the first song of the Program.
④A	Next Song	Pressing the TRACK >> will advance to the Next song.
④B	Previous Song	Pressing the << TRACK will go to the Previous song.
⑥	Adjust Volume	Use these six buttons to adjust the volume levels. Piano adjusts the piano only. Audio adjusts the speaker volume. Master adjusts the Piano and Audio together. See page 8, "How to Properly Adjust the Piano, Audio and Master Volume Levels".
②	Stop play	Press the STOP button to stop the song.
⑦	Exit Program	Press the Program button to return to the Program (P) list. Return to "Select a Program (P#)" step above to select another program from the list below.



For more information on how files are displayed when read from a CompactFlash card...

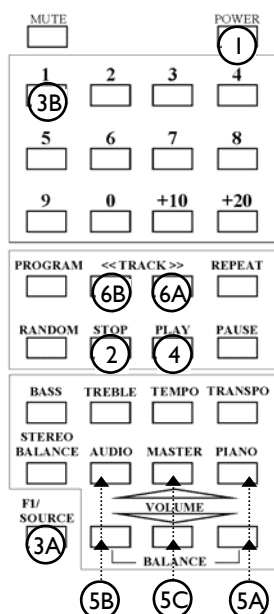
See page 12, "Playing songs from the Root Directory" and "Playing songs from a Program Directory" under "Number Buttons" which is located in the "Remote Control Features" section of this manual.

Maximum Number of Songs & Programs	
Songs on the Root of a CompactFlash Card	000 - 509
Programs (Pxx) On a CompactFlash Card	P01 - P99
Songs within a Program on a CompactFlash Card	000 - 999

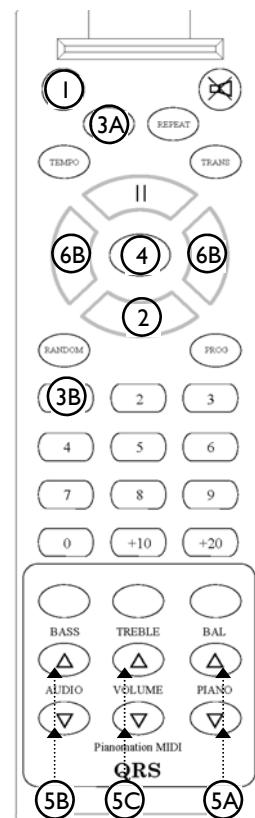
CompactFlash cards known to work in the Ancho controller. 2Gb Max	
Sandisk CF	Sandisk Ultra II
Samsung Extreme Memory	Kingston
IBM Microdrive	Kodak

Play a QRS CD Using The Remote Control

CD Source "CD"



①	Power ON	Press the Power button to turn on the system.
②	Press Stop	Press the STOP button to stop any flashing dots.
Press the CD Eject button to open the CD tray. Snap the CD onto the spindle and close the tray.		
③A	Select the CD Source	Tap the Source button and then the number 1 button to select the CD Source. You can also repeatedly tap the Source button to cycle through all of the sources. Stop tapping when a "CD" displays.
③B		Wait for Ancho to scan the CD.
		The total number of songs and "QRS" will display.
④	Play Song	Press the PLAY and the first song begins to play.
⑤A	Adjust Volume	Use these six buttons to adjust the volume levels. Piano [5A] adjusts only the piano volume.
⑤B		Audio [5B] adjusts only the speaker volume.
⑤C		Master [5C] adjusts the Piano and Audio together. See page 8, "How to Properly Adjust the Piano, Audio and Master Volume Levels".
②	Stop play	Press the STOP button to stop the song.
⑥A	Next Song	Pressing the TRACK >> advances to the Next song.
⑥B	Previous Song	Pressing the << TRACK will go to the Previous song.



How to Properly Adjust the Piano, Audio and Master Volume Levels

	Select a QRS Concert or SyncAlong Series CD.
① ② ③A ③B	Follow steps 1 through 3B above.
⑤A	The piano volume range is from -33 to +33. Tap the Piano Volume buttons until "- -" displays. This sets the piano volume in the center of it's range.
⑤B	The Audio volume range is from -33 to +33. Tap the Audio Volume buttons until "- -" displays. This sets the audio volume in the center of it's range.
④	Press the PLAY button to play a song.
⑤C	While listening to the acoustic piano, tap the Master Volume buttons to set the piano volume at a comfortable listening level.

Notes:

It is normal for the piano to stop playing when the Piano Volume is set to "- -" AND the Master Volume is turned down to "000". The piano is playing at it's softest level when the Piano Volume is set to "- -" AND the Master Volume is turned down to "001". Pianomation can only play as softly as the individual instrument will allow and is also affected by the room's acoustics. If you feel that the piano is playing too loudly, try asking someone to play the piano as softly as possible and compare that volume to Pianomation.

Advanced:

If you feel the piano is still too loud, see pages 32 & 33. "How to set the Minimum Key Force / Alignment / Test 11".

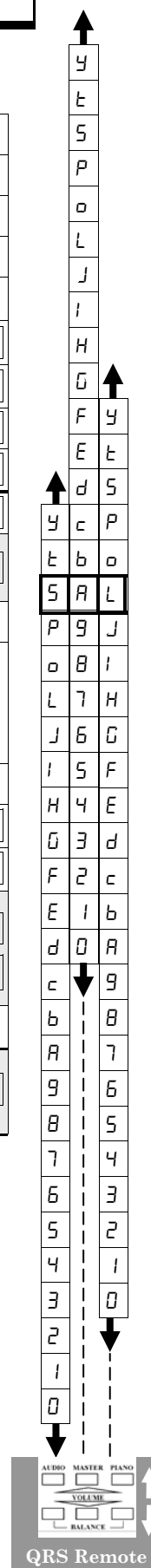
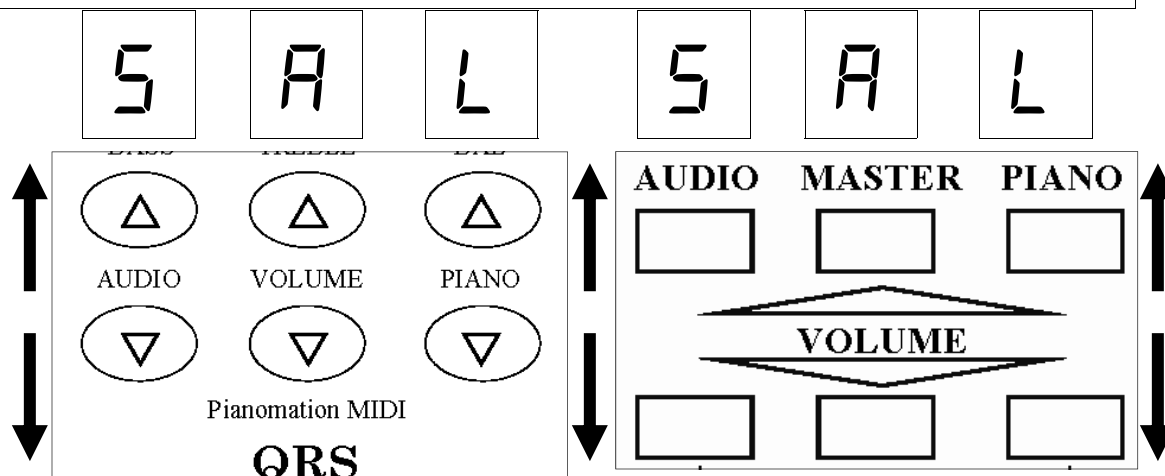
⑤B	Listen, and tap the Audio volume buttons to match the music from the speaker with the acoustic piano. You may want to adjust the volume controls on the speaker itself.
⑤C	You can now use the Master Volume to adjust the overall volume, the audio and piano will follow together.

Advanced: You can affect how the audio and piano volume levels "follow" the master volume by adjusting the "Curves". See pages 40 & 41, "Volume & Expression Curves - Activate / Change [F-CURVES]" for details.

Play a QRS SyncAlong Series CD

CD Source "CD"

With Ancho turned OFF, Insert the SyncAlong CompactFlash card into the CompactFlash card reader.		
Power ON Ancho.		
Press STOP to halt play.		
Press the CD Eject button to open the door and snap the QRS SyncAlong series CD onto the spindle.		
Using the remote control, tap the SOURCE button and then the number 1 button to activate the CD source.		
If the access code for this CD has already been entered and saved , wait for “SAL” to display three times.	S A L	
	S A L	
	S A L	
Press PLAY when the total number of tracks displays at the far left of the 20 character display.	0 1 8	
If the access code has not been entered “SAL” will stay displayed, waiting for you to enter the code.	S A L	
If “SAL” does not display , Update the SyncAlong Music Index [Demo Image], see page 50, and begin again at the top of this page.	0 1 8	
Find the hand written access code located on the yellow QRS PICK TICKET that came with your order.		
Use the six volume buttons at the bottom of the remote control to display the three character access code. The two Audio buttons change the left display character. The two Master/Volume buttons change the center display character. The two Piano buttons change the right display character.		
Press PLAY to save the access code to memory.		
SAL displays to acknowledge the CD is recognized by the Demo Image index as SyncAlong.	S A L	
SAL displays a second time to acknowledge the access code has been found in memory.	S A L	
If “SAL” does not display a second time then verify the access code.	0 1 8	
Open and close the door to rescan the CD.	S A L	
If “SAL” displays and holds then enter the correct code.	S A L	
SAL displays a third time to acknowledge the piano files have been located on the CompactFlash card.		
If “SAL does not display a third time confirm the flash card is properly inserted. If it is then...	0 1 8	
“Update SyncAlong CompactFlash Music From CDROM”. See page 51.		
Press PLAY again to play the CD.		



Remote Control - Advanced...

Refer to page 4 for button locations.



① POWER Press the POWER button to turn the Ancho controller and Pianomation ON and OFF.

②③ SOURCE 0 0 1 m I N < 0 0 : 1 6 V > 0 2 3

Press STOP to halt play. *The source cannot be changed if the unit is in play mode.*

1	Repeatedly tap the SOURCE button to cycle through the source list. Stop tapping when the desired source displays.	1 = CD - CD Drive 2 = IN - Internal Music 3 = CF - CompactFlash 4 = AU - Auxiliary 5 = MI - MIDI 6 = RC - Record
2	Tap the SOURCE button, then immediately tap the number button associated with the desired source.	
3	Tap the SOURCE button and then immediately tap the <<TRACK>> buttons, repeatedly, until the desired source displays	

⑩ STOP ■ Halts play. 0 0 1 m I N ■ 0 0 : 1 0 V > 0 2 3

⑪ PLAY ► Starts or resumes play. 0 0 1 m I N ► 0 0 : 1 1 V > 0 2 3

⑨ PAUSE ■■ Suspends play. 0 0 1 m I N ■■ 0 0 : 1 6 V > 0 2 3

② MUTE Headphone Volume 0 0 1 m I N ► 0 0 : 1 6 H > 0 6 4

The MUTE button toggles the **piano and the audio** ON and OFF while the source continues to play.
When the piano and audio are muted Ancho displays the headphone volume level.
Use the Master Volume buttons to adjust the headphone volume level.

0 0 1 m I N ► 0 0 : 2 4

⑪ MASTER Volume

Tap the MASTER VOLUME UP or DOWN button to display the current master volume level setting.

V > 0 2 1

Tap or press and hold to adjust the volume of both the Piano and the Audio together.

Range = 000 to 127

The Master Volume can also be changed by rotating the ADJust dial on the Ancho unit during song play.

⑩ PIANO Volume

Tap the PIANO VOLUME UP or DOWN button to display the current piano volume level setting.

P > - - -

Tap or press and hold to adjust the volume of the Piano only!

Range = -33 to +33

⑪ AUDIO Volume

Tap the AUDIO VOLUME UP or DOWN button to display the current audio volume level setting.

A > + 8

Tap or press and hold to adjust the volume of the Audio only!

Range = -32 to +32

⑫ BASS Volume

Press the BASS button to display the current Bass audio volume setting.

B > + 2

Within two seconds after pressing the BASS button, press the MASTER VOLUME buttons to adjust the Bass volume setting.

Range = -12 to +12

...Remote Control - Advanced... Refer to page 4 for button locations.

0 0 1 m I N ▶ 0 0 : 2 4

⑬ TREBLE Volume

Press the TREBLE button to display the current Treble audio volume setting.

T > - 0 1

Within two seconds after pressing the TREBLE button, press the MASTER VOLUME buttons to adjust the Treble volume setting.
Range = -12 to +12

⑭ TRANSPOSE

Press the TRANSPOSE button to display the current playback “key”.

The key of the music on a CD or an MP3 file cannot be changed!

K > ↑ 0 2

Within two seconds after pressing the TRANSPOSE button, press the MASTER VOLUME buttons to adjust the playback “key”.
Range = Up 12 to Down 12 in half-step increments from middle “C”.

④ PROGRAM

P 0 1 ◀ I N ■ 0 0 : 0 0 V 0 2 5

Root Files vs. Program Files

Programs are subdirectories on a CDROM or CompactFlash card where song files can be categorized and saved for playback using the Ancho controller. Ancho will recognize and playback the playable files on either the Root **or** within a Program on a CDROM disc or CompactFlash card, but not from both areas on the same media. This means that, if there are playable song files on both the Root **and** within a Program, Ancho will only recognize and display the song files on the Root of the media. Save music files to either the Root **or** in Programs on a particular CDROM disc or CompactFlash card.

When Pxx is displayed, where xx is a number between 00 and 99, it's an indication that there are Programs (subdirectories) on the selected media. Unlike files on the root of the media, where the total number of songs on the media are displayed after the initial scan, media with Programs display the first program after the initial scan.

P 0 1

Press the <<TRACK or TRACK>> buttons to view the available Programs.

P 0 3

Press the PLAY button to enter the desired Program. The first song number will be displayed.

0 0 1

To play a song within the Program...

Press PLAY again to play the first song **or**...

0 0 1

Press the <<TRACK, TRACK>> or the Number buttons to go to a specific song within the Program and then press PLAY.

0 5 6

To exit from a Program press STOP and then...

Press and Hold the <<TRACK button until “PuP” (Program Up) is displayed then press PLAY and then STOP **or**...

P u P

Press the PROGRAM button to display “PuP” then press STOP.

P 0 1

⑤ REPEAT

Play Mode 0 0 1 m I N ▶ 0 0 : 1 0 V > 0 2 3

There are two repeat modes: Repeat Song and Repeat Program.

Press PLAY and then tap the REPEAT button, repeatedly, to cycle through PLAY and the two REPEAT options.

PLAY



REPEAT Song - Repeats selected song.



REPEAT Program - Repeats all songs within selected Program or Root.



⑧ RANDOM

There are three RANDOM modes: One Song, Program, and Source. The RANDOM mode can be changed during STOP or PLAY.

Tap the RANDOM button, repeatedly, to cycle through the PLAY mode and the three RANDOM modes.

Normal PLAY mode.



RANDOM Song (one) - Plays one random song within the selected program or source.



RANDOM Program - Plays songs randomly within the selected program or source.



RANDOM Source - Plays songs randomly within the selected source.



...Remote Control - Advanced...

Refer to page 4 for button locations.

0	0	1	m	I	N	▶	0	0	:	2	4								
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--

⑮ TEMPO

Press the TEMPO button to display the current tempo.

The tempo of the music on a CD or an MP3 file cannot be changed!

Ω	>	+	0	4
---	---	---	---	---

Within two seconds after pressing the TEMPO button, press the MASTER VOLUME buttons to adjust the playback speed.
Range = -50 (Displays "MIN") to +100 (Displays "MAX")

⑥ << PREVIOUS

Programs

P	0	1																	
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

⑦ NEXT>>

Songs

																		0	0	2
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---

P	0	2
---	---	---

To go to a Previous Program press the <<TRACK button.

P	0	3
---	---	---

To go to the Next Program press the TRACK>> button.

0	0	2
---	---	---

To go to a Previous Song press the <<TRACK button.

0	0	3
---	---	---

To go to the Next Song press the TRACK>> button.

③ Number Buttons

Playing songs from the Root or within a Program

Press a Number button to select and play a specific song. Song numbers from 1 to 9.

		5
--	--	---

Press the +10 or +20 button to enter a 1- or 2- (10 or 20) to the display. Press +20...

	2	-
--	---	---

Then, press a single digit number from 0-9 to complete the song number selection. ...Then press 3.

	2	3
--	---	---

Press and HOLD the +10 or +20 button to increment the display by 10 or 20. The display will advance until the button is released or until the maximum number of songs available on the selected media has been reached.
Maximum: CompactFlash=50- and CDROM=99-).

6	2	-
---	---	---

Then, press a single digit number from 0-9 to complete the song number selection.
Maximum: CompactFlash=509 and CDROM=999.

6	2	5
---	---	---

Playing songs on media with only Programs

Programs are subdirectories on the media. The first Program is displayed after the initial media scan.
In the following examples assume that there are a total of 4 Programs on the media.

P	0	1
---	---	---

Pressing the Number (n) button displays Program number (n).

Example: Pressing 2 displays song 1 within Program 2.

P	0	2
---	---	---

If the Number (N) is greater than the total number of Programs on the media the last Program number will display.
Example: Pressing 9 displays P04 because it is the last Program on the media.

P	0	4
---	---	---

Then, press PLAY to play song 1 or the Number (N) button to play song (N).
See the section directly above to enter numbers greater than 9.

n	n	n
---	---	---

⑲ STEREO BALANCE

Press the STEREO BALANCE button to display the current Left/Right audio balance setting.

Range = Left 20 to Right 20 - Display setting shown indicates equal balance between left and right speaker.

⌂	>	-	-	-
---	---	---	---	---

Immediately after pressing STEREO BALANCE, press one of the <<TRACK>> buttons to balance the Left and Right speakers.

The <<TRACK button increases the volume of the Left speaker as it decreases the volume of the Right.

⌂	<			2
---	---	--	--	---

The TRACK>> button increases the volume of the Right speaker as it decreases the volume of the Left.

⌂	>			4
---	---	--	--	---

Play MIDI & MP3 Files from CDROM or CompactFlash

CD or CompactFlash Source

Ancho can read MIDI & MP3 files that are burned to a CD-R disc or copied to a CompactFlash memory card.

MIDI	Must be written for "Piano" [Patch numbers 1-6] to trigger the piano keys. See the "General MIDI Sounds List" on page 63.
	The optional soundcard must be installed to hear any other instruments [Patches 7-128], except drums. See page 63.
	Google search "MIDI Piano" on your computer to find MIDI files on the internet that will play the piano keys.
MP3	If the MP3 file was generated from QRS data Ancho will automatically detect the Analog MIDI information on the left channel to play the piano keys. Otherwise the piano keys will not play.
	See "File Types Recognized" on page 46.

Root Files vs. Program Files

Programs are subdirectories on a CDROM disc or CompactFlash card where song files can be categorized and saved for playback. Ancho will recognize and playback the file types, listed above, on either the Root **or** within a Program on a CDROM or CompactFlash, but **not from both** areas on the same media. This means... if there are playable song files on both the Root **and** within a Program Ancho will only recognize and display the song files on the Root of the media. Save music files to either the Root **or** in Programs on a particular CDROM or CompactFlash card.

Root Files will display three numbers "xxx", ranging from 000-999 for CDROM and 000-509 for CompactFlash.

6	2	5
---	---	---

Programs will display as "Pxx", where "xx" is a number from 01 and 99.

P	0	1
---	---	---

Refer to the following pages for more information.

"Maximum Number of Songs & Programs", page 10.

"Playing Songs from the Root Directory", page 12.

"Playing Songs from a Program Directory", page 12.

To play these files see the following:

"Play from the CompactFlash Source..." Page 7.

"Play a QRS CD Using the Remote Control" Page 8.

Maximum Number of Songs & Programs













Source	Range
CDROM Root	000 - 508
CDROM Program	000 - 999
CompactFlash Root	000 - 508
CompactFlash Program	000 - 999
Internal	000 - 508
Programs On CompactFlash or CDROM	P01 - P99

Record a Song Using the Ancho Controller

Record Source "RC"

Recording the piano requires the optional PNOscan. See page 46.

"Connecting for Standard Playback or Optional Record" section of this manual for instructions.

Stop Play	Press the Stop button to stop play. Over 400 minutes of record space available!	
Select Record Source	<p>If the Record source (RC) is already selected as shown, skip to Activate Record. Press the red Record button to select the Record source. Volume is automatically set to V = 064.</p> <p>0 0 1 m R C < ■ 0 0 : 0 0 V 0 6 4</p>	
Activate Record	Press the red Record button to activate record. Recording does not begin until MIDI data is received. The Rec/Tempo LED will begin to flash at 60 beats per minute. Rotate dial to change the bpm rate.	
Adjust bpm	<p>m e m m R C ◆ 0 0 : 0 0 M > 0 6 0</p>	 LINE IN MIDI REC/TEMPO
Adjust Click Track Volume	<p>Press the Dial once and rotate to change the click track volume. The beats per minute Metronome rate (above) and the audible click track are for your reference only that have nothing to do with the recording.</p> <p>m e m m R C ◆ 0 0 : 0 0 M > v o 0</p>	
Record a Song	<p>Recording begins when the first piano key is pressed or MIDI data is received by Ancho. The counter will begin to count the recording time and does not stop until the stop button is pressed.</p> <p>m e m m R C ◆ 0 0 : 0 2 M > 0 6 0</p>	
Stop Recording	<p>When finished recording press the Stop button. The new recording is now suspended in the temporary memory location "mem".</p> <p>m e m < R C □ 0 2 : 5 2 M > 0 6 0</p>	
You now have several options to choose from:		
	Listen to the new recording, before saving, by pressing Play.	
or	Re-record to "mem" by pressing the red Record button and repeating the "Activate Record" steps above.	
or	<p>Review previously recorded songs before replacing one of them with the new recording. Press the Dial so that the arrow flashes and then rotate the dial to one of the 9 record play locations. Press Play to review song. All record locations may be reviewed before saving the new song.</p> <p>0 0 2 ⋄ R C □ 0 2 : 5 2 M 0 6 0</p>	 
or	<p>Record Over an existing recording or Save to an empty record location. With the arrow flashing, rotate the dial to the desired record location and press the red record button.</p> <p>s a v < R C □ 0 2 : 5 2 M 0 6 0</p> <p>0 0 2 < R C ■ 0 0 : 0 0 M 0 6 0</p>	 
or	<p>Save to CompactFlash. See "Record Over or Save" above and rotate the dial to "cCF" instead of a record source location number.</p> <p>The very first time that an individual recording is saved using this feature Ancho creates a folder named "RECSES99" and saves the recording as "RECSN001. All subsequent "saves" to "cCF" to the same CompactFlash card are placed in this folder and named "RECSN002...RECSN####" up to RECSN999. Note: If there are ANY music files on the "root" of the CFLASH card Ancho will not recognize the files in the "RECSES99" folder. See the "CDROM & CompactFlash Root Files & Programs" section in this manual.</p>	
or	<p>Erase a song in one of the 9 record source locations. Erase a song by following the "Activate Record" steps above but do not send MIDI data to Ancho. Then save this "empty" recording to one of the 9 record source locations.</p>	
To erase all 9 songs as a group. See "CompactFlash Utilities" in this manual and select the "Clear Record Memory" option.		

How Individual Recordings are Named when Saved to a CompactFlash Card

The very first time that an individual recording is saved directly to the CompactFlash card Ancho creates a folder named "RECSES99" and saves the individual recording as "RECSN001". All subsequent recordings saved to "rCF", on the same CompactFlash card, are placed in the same folder and named "RECSN002...RECSN####" up to RECSN999.

Note: If there are ANY music files on the "root" of the CFLASH card Ancho will not recognize the files in the "RECSES99" folder. The nine record locations can also be saved, as a group, using the "Copy Record Memory" option of the "CompactFlash Utility".

These naming conventions are useful only when the CompactFlash card is viewed on a computer. Ancho will display these groups as "Pxx" where "xx" is a number corresponding to the location of the groups on the CompactFlash card. For more information see "Playing Songs from a Program Directory" under "Number Buttons", which is located in the "Remote Control Features" section of this manual.

Play a Recorded Song Using the Remote Control

To play back a song from one of the nine record source locations follow steps 1 thru 3 on the preceding page to access the Record Source.

At step 4, stop tapping the <<TRACK>> buttons at the desired record location, rP1 through rP9. Press Play

Play a General MIDI Soundcard Instrument Using the Piano Keyboard

Requires Optional PNOscan

See page 54 for the connecting Ancho to the optional PNOscan Record system.

Press the Stop button to stop play.



Rotate the **ADJ** dial to point toward the source section of the display.



0 0 4 I N < ■ 0 0 : 0 0 V 0 6 3

Press the **SEL**ect again so that the cursor arrow begins to flash.



0 0 4 I N < ▤ 0 0 : 0 0 V 0 6 3

Rotate the **ADJ** dial so that the "MI" source appears.



■ M I < ▤ N o I n s V 0 6 3

Press the **SEL**ect button to select the MIDI Input source.

If "A-Pno" does not appear, follow the instructions below "Setup Ancho Trigger the Soundcard Instruments".



0 0 0 R M I ▶ A - P n o V > 0 6 3

Ancho is ready to trigger the internal soundcard voices from the piano keys.

Use the << TRACK >> buttons (remote) or the NEXT/PREVIOUS (Ancho) to change the voices. See the General MIDI Sounds list.

To set up for silent piano see "Silent Piano" in the Audio Configuration section of this manual.

Set Up Ancho to Trigger the Soundcard Instruments

0 0 0 E M I ■ Q - R - S V > 0 6 3

Press Stop to halt play.

0 0 0 E M I ■ S E T U P < V 0 6 3

Rotate the ADJ Dial to display "SETUP".

M A I N - V O L < 0 6 3

Press the SEL button to enter the Setup Menu.

M A I N - V O L ▤ 0 6 3

Press SEL so that the arrow is flashing.

Rotate Dial to display "MIDI-SRC".

M I D I - S R C ▤ F - P P l a y e r

MIDI-SRC

M I D I - S R C < F - P P l a y e r

Press SEL so the arrow is solid.

M I D I - S R C F - P P l a y e r <

Rotate the Dial to put the arrow the far right.

M I D I - S R C F - P P l a y e r ▤

Press SEL so that the arrow is flashing.

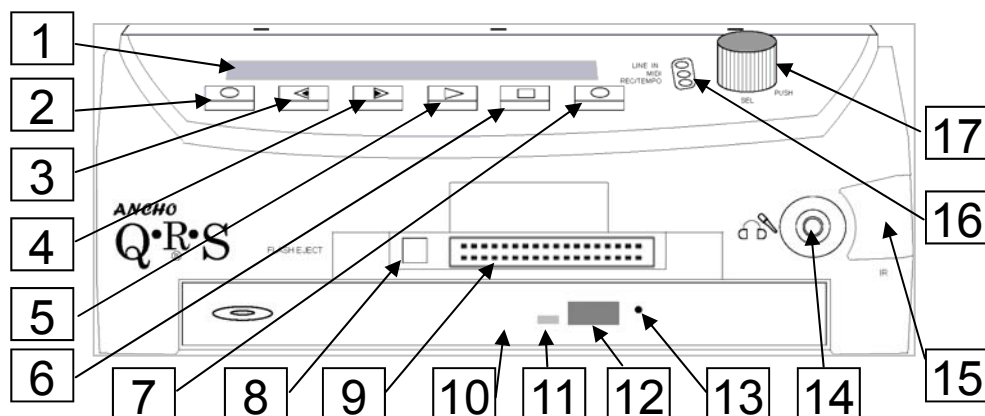
M I D I - S R C F - P P l a y e r ▤

Rotate the Dial to select "RecStrip".

0 0 0 E M I ▶ A - P n o V > 0 6 3

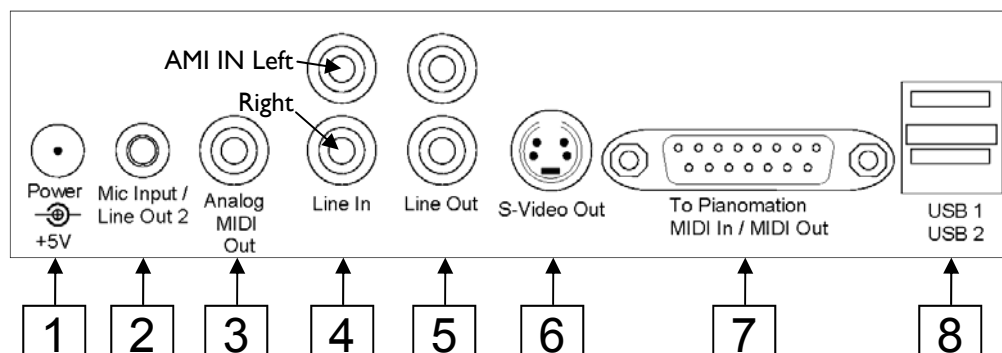
Double-Click SEL to exit.

Front Panel Features



1	Display Screen	Twenty character display
2	Power Button	Turns the system ON and OFF.
3	Previous Button	Go to the previous song or program.
4	Next Button	Go to the next song or program.
5	Play Button	Play a Song
6	Stop Button	Stop a Song
7	Record Button	Record a Song (Optional Record System Must Be Installed!!)
8	CompactFlash Eject Button	Press to eject CompactFlash Card.
9	CompactFlash Card Reader	The CompactFlash card reader replaces the traditional floppy disc drive.
10	CD Drive	Plays the following formats: Audio Stereo CD; QRS CD; MIDI files on CDRom.
11	CD Busy LED	This LED illuminates whenever the CD is being scanned.
12	CD Eject Button	Press to eject a CD.
13	CD Emergency Eject Hole	Use to open the CD door when power is removed from the Ancho CD controller. Straighten the open end of a small paper clip and gently insert it into the hole to open.
14	Headphone Jack	Headphone Output.
15	Infrared Eye	Receives remote control commands.
16	LED's	LINE IN, MIDI, and REC/TEMPO Indicators.
17	ADJ Dial & Select Button	Used to access all of the functions of Ancho. <i>Press & Hold to shut down if Ancho stops responding.</i>

Rear Panel Features

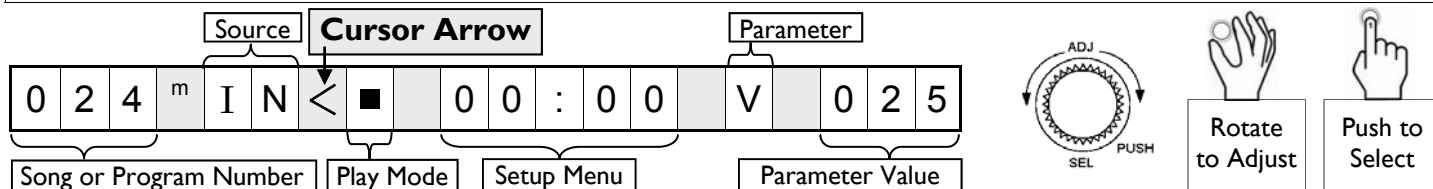


1	Power Input	Input from the AC to 5 Volt DC Power Adapter.
2	Microphone Input / Line Out 2	Microphone input or stereo "Mixed" output. <i>The "mixed" output sends the synthesized piano melody to the speakers.</i> See "Ancho Front Panel Navigation - Advanced" 3.5mm (1/8") Stereo Jack
3	Analog MIDI Output	Record to an analog source or transmit the MIDI signal wirelessly. RCA Jack
4	Auxiliary Input "Line In"	Stereo input for connection to an external computer or CD/DVD changer. RCA Jacks
5	Line Output	Stereo output to powered speaker. RCA Jacks
6	S-Video Output	Currently Not Used
7	Output to the Pianomation Processor	Connector for the Standard Pianomation Processor Cable. DB15 Socket
8	Universal Serial Bus 1 Universal Serial Bus 2	Currently Not Used

Front Panel Display - Navigation Basics...

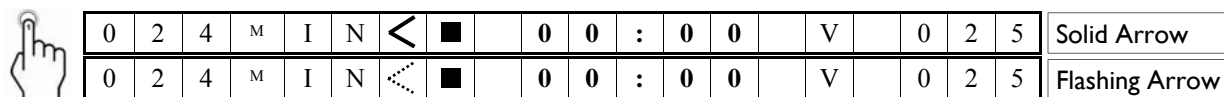
Most of the frequently used functions can be changed by using the remote control. See “Remote Control Features” on pages 10-13. There are some functions that can only be changed from the “Setup” menu, which is accessed through the front panel display. All of Ancho’s functions can be accessed from the front panel’s “Setup” menu. This page will show you how to access the six functions available from the front panel display. See “Front Panel Features” on page 16 for an explanation of the other front panel buttons.

After the Power ON Sequence, refer to page 47, the Ancho display will look similar to example below, with the cursor arrow pointing to the last “played” source. On most of the sources the arrow will be solid (not flashing).



Tapping the **SE**lect button will alternately change the cursor arrow from solid to flashing to solid... With Ancho’s playback **stopped** (Play Mode is a solid square) and the cursor arrow **solid**, rotating the **ADJ**ust Dial moves the arrow to the five shaded areas above, allowing the arrow to point to the six different sections of the display. Rotating the dial clockwise after reaching the far right segment of the display will turn the arrow so it points to the right instead of left.

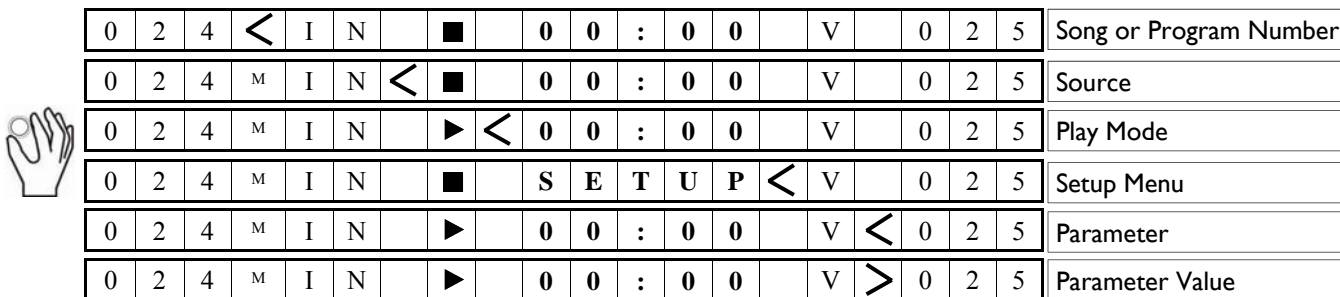
Try it! Tap the **SE**lect button several times and watch the cursor arrow change from solid to flashing and then to solid again.



Before continuing, tap the **SE**lect button until the arrow is solid.

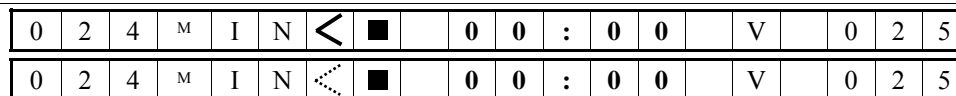
With the arrow solid, rotating the **ADJ**ust Dial will allow you to point the arrow at the six different areas of the display.

Try it! With the Play Mode stopped, solid square and a solid cursor, rotate the dial to point the arrow at the six options.

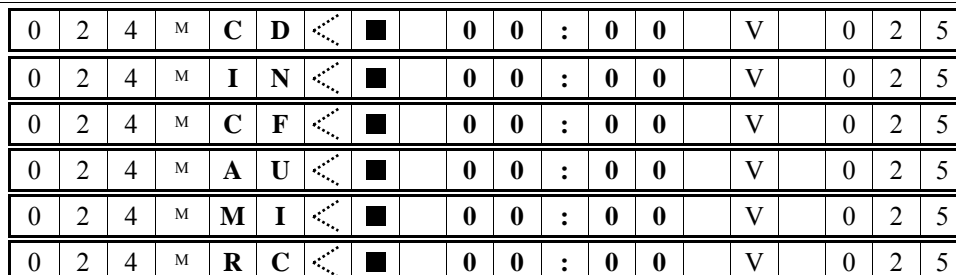


You can control any of these six functions from the front panel. Just move the solid arrow to the desired function and press the **SE**lect button so that the arrow is flashing. Then, as you rotate the **ADJ** dial you can scroll through all of the available options

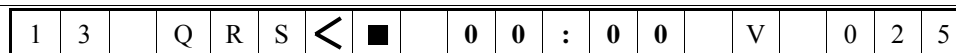
Try it! With the arrow solid, rotate to point the arrow toward the Source. Press the **SE**lect button so that the arrow flashes.



Now, just rotate the **ADJ**ust Dial to display the desired source. Let’s put a CD in the drive and select “CD”.



Press the **SE**lect button to accept “CD” as the source.



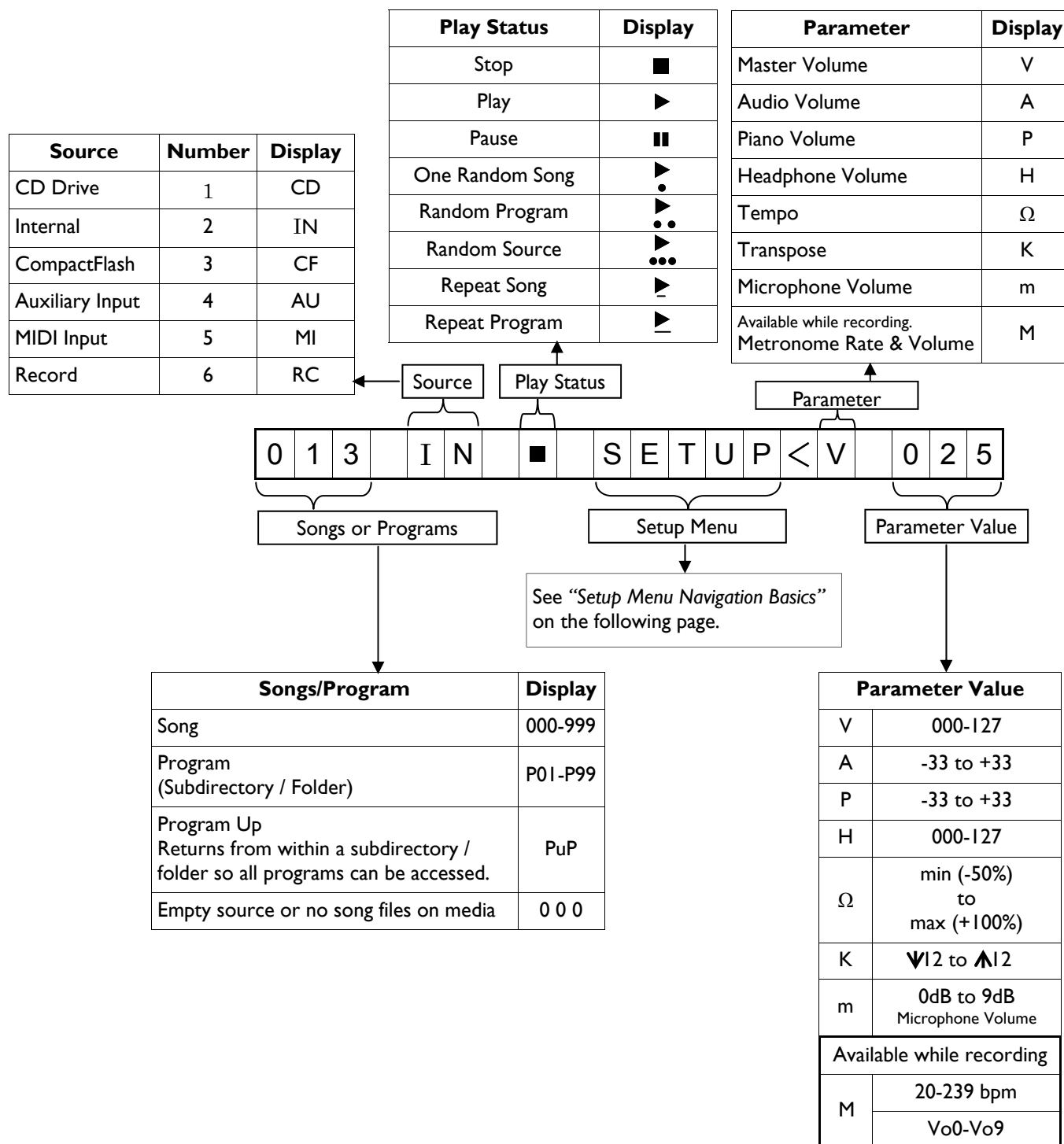
...Front Panel Display - Navigation Basics

These are all of the different options and settings available from the front panel display.

All can be accessed by following the instructions on the previous page.

To access all of Ancho's functions you must enter the "Setup Menu". See the following pages for details.

The complete list of functions are shown in the "Setup Menu Functions - Table" on page 21.



Setup Menu - Navigation Basics

Review the “Front Panel Features - Navigation Basics” sections on the previous two pages for detailed Setup Menu access instructions. With play stopped (“Play Mode” = solid square) and a solid cursor arrow, rotate the ADJust dial so “SETUP” appears in the display.

0 2 4 M I N ■ S E T U P < V 0 6 3

Press the SElect button to enter the Setup Menu. You are now viewing the current value of first setup menu function. See below and also to the “Setup Menu - Table of Functions” on the following page.

M A I N - V O L < 0 6 3

Rotating the Dial while the arrow is SOLID moves the arrow from left to right in the display (table column).

See shaded areas below. Notice that you can move the arrow to three columns for two of the functions.

Rotating the Dial while the arrow is FLASHING moves you through the different functions or values (table row).

Try It! Press the SElect button so that the arrow is flashing. Now rotate the ADJust dial to view all of the functions.

Master Volume	M A I N - V O L	0 6 3
Audio Volume	A U D I O V O L	+ 0 0
Piano Volume	P I A N O V O L	+ 0 0
Headphone Volume	H P H N - V O L	0 6 3
Tempo	T E M P O	1 0 0 %
Transpose	T R A N S P O S	= 0 0
Microphone Volume	M I C R O P H N	+ 0 d B
Stereo Balance	B A L A N C E	= 0 0
Bass Volume	B A S S	= 0 0
Treble Volume	T R E B L E	= 0 0
Metronome Rate	M E T R O N O M	0 6 0 b p m
Metronome Volume	M E T R O V O L	V o 0 o f f
MIDI Delay	M I D I - D L Y	P m a t i o n
Pianomation Configuration	P M _ C O N F G	A l l _ P i a n o
Pianomation Test 2	P M _ T A B 0 2	E x e c u t e
Pianomation Test 11	P M _ T A B 1 1	E x e c u t e
Audio Configuration	P V _ C O N F G	S t a n d a r d
CompactFlash Utilities	C - F L A S H	U p - D m o E x
CD ROM Utilities	C D - R O M	U p - D m o E x
Function Curves Access	F - C U R V E S	D i s a b l e d
MIDI Input Select	M I D I - S R C	R e c S t r i p
Time Signature	T I M E S I G N	4 / 4
Synthesized Piano Volume	P N O S Y N T H	8 0
Soundcard Output	S Y N T H V O L	M a x i m u m
Main Audio Output	M A I N - O U T	M o n o
Exit the Setup Menu	E X I T	E x e c u t e

Now, rotate the Dial counter-clockwise back to the “MAIN-VOL” function at the top of the list above.

Let’s change the Master Volume. Press the SElect dial until the arrow is solid and rotate the Dial to put the arrow at the far right.

M A I N - V O L 0 6 3 <

Press the Dial so that the arrow is flashing. Now rotate the Dial to change the master volume setting.

M A I N - V O L 0 2 5

To save changes and exit the Setup Menu tap the Dial twice within one-half second or execute the “Exit” function.

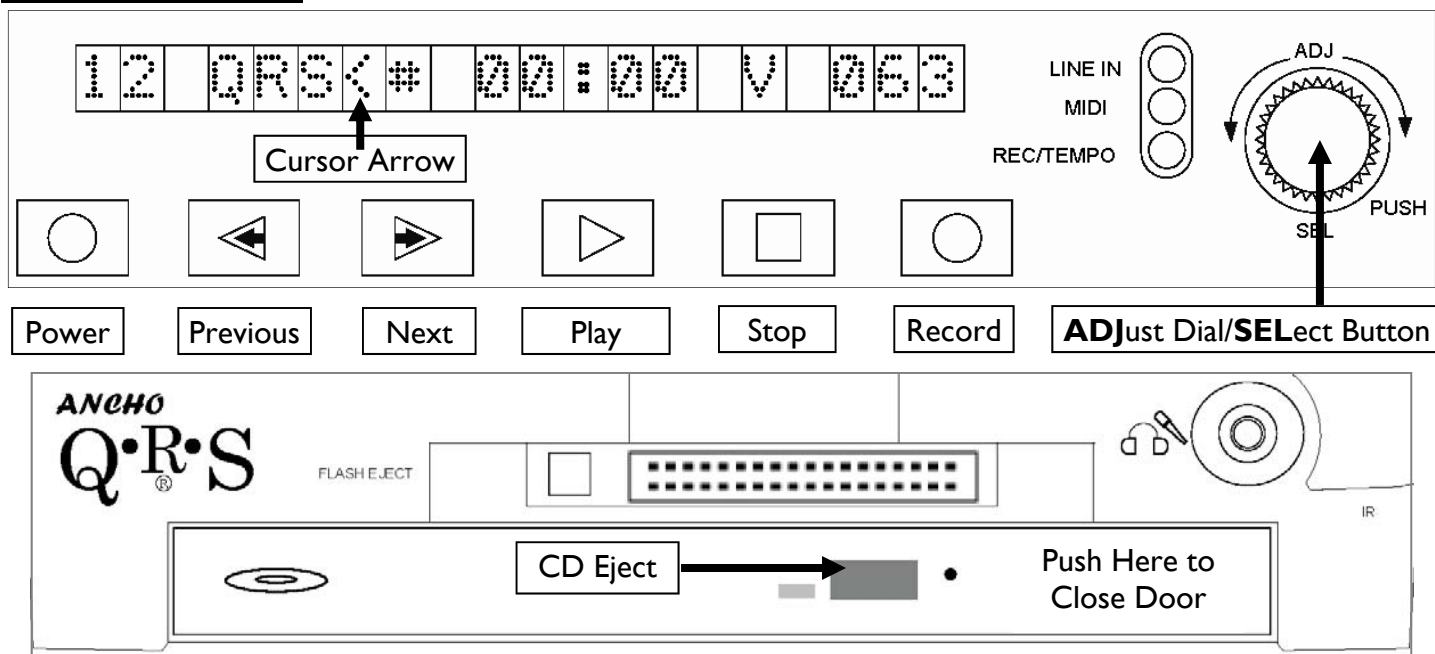
Detailed instructions for each of these functions are shown in the “Setup Menu Functions - Advanced” section in the pages that follow.

Setup Menu -Table of Functions

Function	Display	Options & Ranges	Pages	Default	Remote Control Access
Master Volume	MAIN-VOL	000-127	8; 10; 25	064	Master Volume Up/Down
Audio Volume	AUDIOVOL	-33 to +33	8; 10; 25	+00	Audio Volume Up/Down
Piano Volume	PIANOVOL	-33 to +33	8; 10; 25	+00	Piano Volume Up/Down
Headphone Volume	HPHN-VOL	000-127	26	063	Mute + Master Volume Up/Down
Tempo	TEMPO	MIN (-50%) to MAX (+200%)	12; 26	100%	Tempo + Master Volume Up/Down
Transpose	TRANSPOS	-12 to +12	11; 27	=00	Transpose + Master Volume Up/Down
Microphone Volume	MICROPHON	+0dB to +9dB	27	+0dB	None
Stereo Balance	BALANCE	L20 - R20	12; 28	=00	Stereo Balance + << Track >>
Bass Volume	BASS	-12 to +12	10; 28	=00	Bass + Master Volume Up/Down
Treble Volume	TREBLE	-12 to +12	10; 29	=00	Treble + Master Volume Up/Down
Metronome Rate (Record)	METRONOM	020 - 240 Beats Per Minute	29	065bpm	None
Metronome Volume (Record)	METROVOL	Vo0 to Vo9 (Off; -48dB to -0dB)	30	Vo0 = Off	None
MIDI Delay	MIDI-DLY	Pmation (Pianomation)	30	Pmation	None
		Synth (Synthesizer)			
Pianomation Configuration	PM_CONFIG	All_Piano	31	All_Piano	None
		Piano_Ch1			
		All_Instruments			
		All_MIDI			
Pianomation Test & Alignment Box - Test 2	PM_TAB02	Execute		Execute	None
Pianomation Test & Alignment Box - Test 11	PM_TAB11	Execute	32; 33	Execute	None
Audio Configuration	AV_CONFIG	Standard	34; 35	Standard	None
		Karaoke			
		Silent Pn (Silent Piano)			
		Barcus Be (Barcus Berry)			
		Mixed Out			
CompactFlash Utilities	C-FLASH	Up-Dmo (Update Demo)	36; 37	Up-App	None
		Up-Sys (Update System)			
		Up-App (Update Application)			
		Up-Key (Update Key List)			
		Format			
		Rc-Clr (Record Memory Clear)			
CD ROM Utilities	CD-ROM	Up-Dmo (Update Demo)	38; 50; 51	Up-Dmo	None
		Up-Sys (Update System)			
		Up-App (Update Application)			
		Up-Key (Update Key List)			
		Sa-SCpy -Append SyncAlong			
		Sa-HCpy -Overwrite SyncAlong			
Function Curves Access	F-CURVES	Disabled	40; 41	Disabled	The FI/SOURCE button on the remote is used to change the Function Curves when this setting is set to Manual.
		Automatic			
		Manual			
MIDI Input Select	MIDI-SRC	RecStrip (Record Strip)	15; 23; 42	RecStrip	None
		F-Player (File Player)			
Time Signature	TIMESIGN	See list on page 43.	43	4/4	None
Synthesized Piano Volume (Soundcard)	PNOSYNTH	00-99	43	80	None
Soundcard Output	SYNTHVOL	Maximum	44	Maximum	None
		Dynamic			
Main Audio Output	MAIN-OUT	Mono	44	Mono	None
		Stereo			
Exit the Setup Menu	EXIT	Execute	44	Execute	None

Play a QRS CD Using the Ancho Controller

CD Source "CD"



Stop Play	Press the Stop button to halt play.	
Insert CD	Press the CD Eject button to access CD tray. Place a QRS Pianomation CD (not a Sync Along) in the CD tray and snap it onto the spindle. Close the CD tray.	
Point To Source	Rotate the ADJ ust Dial so that the arrow points toward the source section of the display. Press the SEL ect button so that the arrow is flashing. 	
Select the CD Source	Rotate the ADJ ust Dial so that "CD" appears in the source area of the display. Press the SEL ect button to activate the CD source. The CD is scanned and the total number of songs is displayed. 	
Play Song 1	Press the Play button to play the first song. 	
Adjust Volume	Notice that the arrow is now pointing toward the master volume level. Rotate the ADJ ust Dial to change the master volume level. 	
Next Song	Press the Next button to go to the next song.	
Previous Song	Press the Previous button to go to the previous song.	
Pause Play	Press the Play button to toggle between play and pause (Play-Pause-Play...). 	

Play Ancho from a MIDI File Player or Computer

MIDI Source "MI"

Refer to the "MIDI Adapter Cable Connections" section on page 54 for the proper hookup to your MIDI file player or computer. When an external device's MIDI Out is connected to the MIDI IN cable of Ancho, the MIDI Source can be set to either play the piano or to trigger the internal soundcard instruments. Ancho comes from the factory set to trigger the soundcard instruments. See the "General MIDI Sounds List" on page 63 of this manual. See the "MIDI Input Select" function for an explanation of MIDI-SRC (MIDI Source).

Set Up Ancho to Play from a MIDI File Player or Computer

Press the Stop button to stop play.



Rotate the **ADJ**ust dial to display "SETUP" in the center of the display.



0 0 4 m C F ■ S E T U P < V 0 6 3

Press the **SEL**ect button to enter the Setup mode.



M A I N - V O L < 0 6 3

Press the **SEL**ect button again so that the arrow begins to flash.



M A I N - V O L < 0 6 3

Rotate the **ADJ**ust dial so that the "MIDI-SRC" appears.



M I D I - S R C < R e c S t r i p

Press the **SEL**ect button so that the arrow stops flashing.



M I D I - S R C < R e c S t r i p

Rotate the **ADJ**ust dial so the arrow points toward the current MIDI-SRC selection.



M I D I - S R C R e c S t r i p <

Press the **SEL**ect button again so that the arrow begins to flash.



M I D I - S R C R e c S t r i p <

Rotate the **ADJ**ust dial so that the "F-Player" appears.



M I D I - S R C F - P l a y e r <

Press the **SEL**ect button twice within one-half second to save the new setting and exit the function mode.



Play Ancho from a MIDI File Player or Computer

Press the Stop button to stop play.



Use the remote control to change the source to "MI" or...

Rotate the **ADJ**ust dial to point toward the source section of the display.



0 0 4 C F < ■ 0 0 : 0 0 V 0 6 3

Press the **SEL**ect again so that the arrow begins to flash.



0 0 4 C F < 0 0 : 0 0 V 0 6 3

Rotate the **ADJ**ust dial so that the "MI" source appears.



M I < ■ Q - R - S V 0 6 3

Press the **SEL**ect button to select the MIDI Input Source.





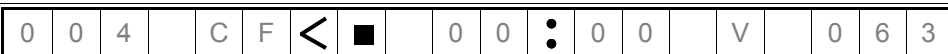

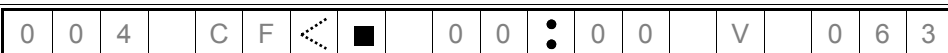

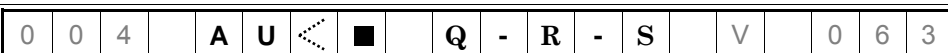

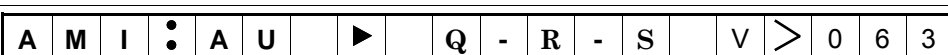


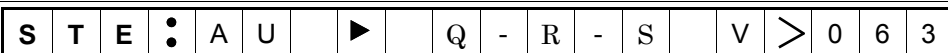

0 0 0 E M I ► Q - R - S V > 0 6 3

Ancho is ready for MIDI data from an external source connected to the MIDI Input cable.

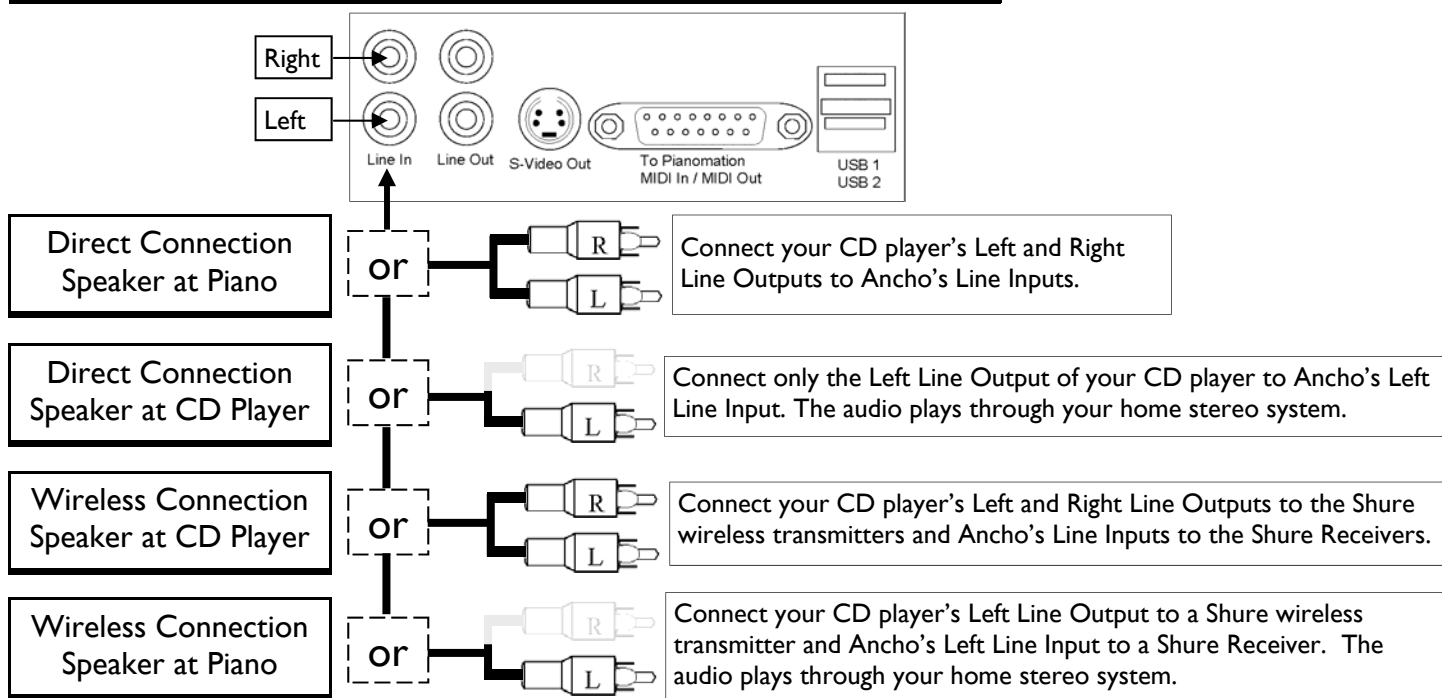
Play (Non-SyncAlong) QRS CDs from Your Own CD Player

Auxiliary Source "AU"

The QRS SyncAlong series music will **NOT** play from the Auxiliary source.

Connect your CD player to Ancho using one of the diagrams at the bottom of this page.		
Press the Stop button to stop any playback.		
Use the remote control to change the source to "AU" or...		
Rotate the ADJ ust dial to point the cursor arrow toward the source section of the display.		
		
Press the SE Lect button so that the arrow begins to flash.		
		
Rotate the ADJ ust dial so that "AU" appears in the source section of the display.		
		
Press the SE Lect button to select the Auxiliary Source. Ancho will now play from the external device connected to the rear panel's Line Input.		
		
The red "Line In" LED will light when a QRS AMI signal is present on Ancho's Left Line Input. The yellow MIDI LED flashes to indicate that Ancho is sending out MIDI data.		
Ancho will recognize QRS Analog MIDI or Stereo Audio information. Track buttons will switch from AMI to STE.		
		
Press Stop to stop play.		

Connecting Ancho to Your Own CD Player - Direct or Wireless



Setup Menu Functions - Advanced...

Main Volume [MAIN-VOL]

Adjusts the Piano and the Audio volume levels at the same time.

The Main volume is easily changed using the remote control

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	:		0	6	3							<
M	A	I	N	-	V	O	L	:		0	6	3							⋮
M	A	I	N	-	V	O	L	:		0	2	5							⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	2	5

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the volume level.

Double-Click SEL to save and exit.

Audio Volume [AUDIOVOL]

Increases and decreases the Audio volume without affecting the Main volume or the Piano volume levels.

The Audio volume is easily changed using the remote control

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
A	U	D	I	O	V	O	L	<		+	0	0							
A	U	D	I	O	V	O	L	:		+	0	0							<
A	U	D	I	O	V	O	L	:		+	0	0							⋮
A	U	D	I	O	V	O	L	:		+	1	5							⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	2	5

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "AUDIOVOL".

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Audio volume level.

Double-Click SEL to save and exit.

Piano Volume [PIANOVOL]

Increases and decreases the Piano volume without affecting the Main volume or the Audio volume levels.

The Piano volume is easily changed using the remote control

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	<		+	0	0							
P	I	A	N	O	V	O	L			+	0	0							<
P	I	A	N	O	V	O	L			+	0	0							⋮
P	I	A	N	O	V	O	L			-	0	4							⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "PIANOVOL".

PIANOVOL

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Piano volume level.

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Headphone Volume [HPHN-VOL]

Increases and decreases the Headphone volume level.

The Headphone volume can also be changed during Play using the remote control, Mute mode, and from the front panel display.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
H	P	H	N	-	V	O	L	<		0	6	3							
H	P	H	N	-	V	O	L			0	6	3							<
H	P	H	N	-	V	O	L			0	6	3							⋄
H	P	H	N	-	V	O	L			1	2	7							⋄
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "HPHN-VOL".

HPHN-VOL

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Headphone volume.

Double-Click SEL to save and exit.

Tempo "Music's Speed - MIDI Files Only!" [TEMPO]

Increases or decreases the music's speed. **MIDI Files ONLY!**

The tempo of the music on a CD or music from an MP3 file cannot be changed!

The Tempo is easily changed using the remote control

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
T	E	M	P	O				⋄		1	0	0	%						
T	E	M	P	O				<		1	0	0	%						
T	E	M	P	O						1	0	0	%						<
T	E	M	P	O						1	0	0	%						⋄
T	E	M	P	O						0	9	0	%						⋄
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "TEMPO".

TEMPO

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Tempo.

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Transpose “Music’s Key - MIDI Files Only!” [TRANSPOS]

Changes the “key” of the music. **MIDI Files ONLY!**

The key of the music on a CD or music from an MP3 file cannot be changed!

Transpose is easily changed using the remote control

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
T	R	A	N	S	P	O	S	<		=	0	0							
T	R	A	N	S	P	O	S			=	0	0						<	
T	R	A	N	S	P	O	S			=	0	0						⋮	
T	R	A	N	S	P	O	S			+	0	1						⋮	
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display “SETUP”.

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display “TRANSPOS”.

TRANSPOS

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the music’s “key”.

Double-Click SEL to save and exit.

Microphone Volume [MICROPHON]

Increases the audio output for a Microphone connected to the Mic Input/Line Out 2 socket on the back panel.

See the “Audio Configuration” function in this manual and select the “Karaoke” option.

The Microphone is operational when Ancho is in the play mode.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
M	I	C	R	O	P	H	N	<		+	0	d	B						
M	I	C	R	O	P	H	N			+	0	d	B					<	
M	I	C	R	O	P	H	N			+	0	d	B					⋮	
M	I	C	R	O	P	H	N			+	9	d	B					⋮	
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display “SETUP”.

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display “MICROPHN”.

MICROPHN

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Microphone level .

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Stereo Balance "Two Speaker Installation" [BALANCE]

Increases one of the audio channels as it decreases the other. This is useful ONLY if the player system is connected to two speakers AND a two-channel audio (SyncAlong) music is being played.

The Stereo Balance is easily changed using the remote control.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
T	E	M	P	O				⋄		1	0	0	%						
T	R	A	N	S	P	O	S	⋄		=	0	0							
M	I	C	R	O	P	H	N	⋄		+	0	d	B						
B	A	L	A	N	C	E		⋄		=	0	0							
B	A	L	A	N	C	E		<		=	0	0							
B	A	L	A	N	C	E				=	0	0							<
B	A	L	A	N	C	E				=	0	0							⋄
B	A	L	A	N	C	E				R	0	6							⋄
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "BALANCE".

BALANCE

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Left/Right balance.

Double-Click SEL to save and exit.

Bass Volume [BASS]

Increases or decreases the low frequency audio coming out of the speaker system.

The Bass Volume is easily changed using the remote control.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
T	E	M	P	O				⋄		1	0	0	%						
T	R	A	N	S	P	O	S	⋄		=	0	0							
M	I	C	R	O	P	H	N	⋄		+	0	d	B						
B	A	L	A	N	C	E		⋄		=	0	0							
B	A	S	S					⋄		=	0	0							
B	A	S	S					<		=	0	0							
B	A	S	S							=	0	0							<
B	A	S	S							=	0	0							⋄
B	A	S	S							-	0	6							⋄
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "BASS".

BASS

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Bass Volume level.

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Treble Volume [TREBLE]

Increases or decreases the high frequency audio coming out of the speaker system.

The Treble Volume is easily changed using the remote control.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
T	R	E	B	L	E			<		=	0	0							
T	R	E	B	L	E					=	0	0							<
T	R	E	B	L	E					=	0	0							⋮
T	R	E	B	L	E					+	0	5							⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "TREBLE".

TREBLE

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Treble volume.

Double-Click SEL to save and exit.

Metronome Rate - Record "Click-Track" [METRONOM]

Adjusts the Metronome rate, in beats per minute, for the audio "Click-Track" while recording.

The Metronome is not heard unless the Metronome Volume is above "0".

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	N	O	M	<		0	6	0	b	p	m				
M	E	T	R	O	N	O	M			0	6	0	b	p	m				<
M	E	T	R	O	N	O	M			0	6	0	b	p	m				⋮
M	E	T	R	O	N	O	M			0	5	5	b	p	m				⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "METRONOM".

METRONOM

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Metronome rate.

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Metronome Volume - Record "Click-Track" [METROVOL]

Adjusts the Metronome volume for the audio "Click-Track" while recording.
The Metronome is not heard unless the Metronome Volume is above "0".

1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	◀	V		0	6	3
M	A	I	N	-	V	O	L	◀		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
T	E	M	P	O				⋄		1	0	0	%						
T	R	A	N	S	P	O	S	⋄		=	0	0							
M	I	C	R	O	P	H	N	⋄		+	0	d	B						
B	A	L	A	N	C	E		⋄		=	0	0							
B	A	S	S					⋄		=	0	0							
T	R	E	B	L	E			⋄		=	0	0							
M	E	T	R	O	N	O	M	⋄		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋄		V	o	0		o	f	f			
M	E	T	R	O	V	O	L	◀		V	o	0		o	f	f			
M	E	T	R	O	V	O	L			V	o	0		o	f	f			◀
M	E	T	R	O	V	O	L			V	o	0		o	f	f			⋄
M	E	T	R	O	V	O	L			V	o	1		-	4	8	d	B	⋄
1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "METROVOL".

METROVOL

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the Metronome volume.

Double-Click SEL to save and exit.

MIDI Delay [MIDI-DLY]

Set the Delay to "Synth", for No Delay, when connecting Ancho to a digital device via the optional MIDI adapter cable. This keeps the background from the optional soundcard in sync with the digital device.

It takes 500ms for the mechanics of the acoustic piano keys to respond to the data sent from a QRS CD. We actually delay the audio by 500ms on the CD to keep it in sync with the piano. When playing QRS CDs this Delay setting should be set to "Pmation", which is the default setting.

1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	◀	V		0	6	3
M	A	I	N	-	V	O	L	◀		0	6	3							
M	A	I	N	-	V	O	L	⋄		0	6	3							
A	U	D	I	O	V	O	L	⋄		+	0	0							
P	I	A	N	O	V	O	L	⋄		+	0	0							
H	P	H	N	-	V	O	L	⋄		0	6	3							
T	E	M	P	O				⋄		1	0	0	%						
T	R	A	N	S	P	O	S	⋄		=	0	0							
M	I	C	R	O	P	H	N	⋄		+	0	d	B						
B	A	L	A	N	C	E		⋄		=	0	0							
B	A	S	S					⋄		=	0	0							
T	R	E	B	L	E			⋄		=	0	0							
M	E	T	R	O	N	O	M	⋄		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋄		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋄		P	m	a	t	i	o	n			
M	I	D	I	-	D	L	Y	◀		P	m	a	t	i	o	n			
M	I	D	I	-	D	L	Y			P	m	a	t	i	o	n			◀
M	I	D	I	-	D	L	Y			P	m	a	t	i	o	n			⋄
M	I	D	I	-	D	L	Y			S	y	n	t	h					⋄
1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "MIDI-DLY".

MIDI-DLY

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the delay.

Double-Click SEL to save and exit.

...Setup Menu Functions - Advanced...

Pianomation Configuration [PM_CONFIG]

The Pianomation Configuration settings determine how Petine and the piano will respond to MIDI data.

1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	◀	V		0	6	3
M	A	I	N	-	V	O	L	◀		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M			0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M	_	C	O	N	F	G	⋮		A	l	l	_	P	i	a	n	o	
P	M	_	C	O	N	F	G	◀		A	l	l	_	P	i	a	n	o	
P	M	_	C	O	N	F	G			A	l	l	_	P	i	a	n	o	◀
P	M	_	C	O	N	F	G			A	l	l	_	P	i	a	n	o	⋮
P	M	_	C	O	N	F	G			A	l	l	_	I	n	s	t	r	⋮
1	2		Q	R	S	◀	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "PM_CONFIG".

PM_CONFIG

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to change the configuration.
See below for the list of options.

Double-Click SEL to save and exit.

See the "General MIDI Sounds List" section of this manual for the list of General MIDI sounds.

All Pianos	All_Piano	General MIDI Piano Sounds 1-6 on channels 1-16 (except 10-drums). When the Pianomation Configuration is set to "All Pianos" the acoustic piano keys will play when the MIDI file is written for any of the first six piano instruments.
Piano Channel 1	Piano_Ch1	General MIDI Sound 1 (Grand Piano) on Channel 1 When the Pianomation Configuration is set to "Piano Channel 1" the acoustic piano keys will play when the MIDI music is written for the Grand Piano, sound patch 1.
All Instruments	All_Instr	Piano plays full orchestration except drums and special effects. When the Pianomation Configuration is set to "All Instruments" the acoustic piano keys will play when the MIDI file is written for ALL instruments.
All MIDI	All_Midi	General MIDI Piano Sounds 1-6 are sent to Pianomation, the acoustic piano, and ALL MIDI data is sent to the MIDI Out socket of the options MIDI Adapter Cable.

PM_TAB 02

This function is not available at this time.

...Setup Menu Functions - Advanced...

Sets Minimum Key Force / Alignment Test 11 [PM TAB11]...

The Test Alignment 11 function allows you to set the minimum force for each of the keys and the pedal solenoid. The standard Pianomation system will play keys 5 through 84, the first and last four keys are not connected. This eliminates the need to cut into the bass and treble legs. Note: Not all system use a Pedal Solenoid.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M	_	C	O	N	F	G	⋮		A	l	l	_	P	i	a	n	o	
P	M	_	T	A	B	0	2	⋮		E	x	e	c	u	t	e			
P	M	_	T	A	B	1	1	⋮		E	x	e	c	u	t	e			
P	M	_	T	A	B	1	1	<		E	x	e	c	u	t	e			
P	M	_	T	A	B	1	1	:		E	x	e	c	u	t	e			<
P	M	_	T	A	B	1	1	:		.	.	.	.	.	.	.	.	.	.
P	M	_	T	A	B	1	1	:		K	E	Y	0	1	/	2	5	.	5
P	M	_	T	A	B	1	1	:		K	E	Y	0	1	⋮	2	5	.	5
P	M	_	T	A	B	1	1	:		K	E	Y	0	5	⋮	2	5	.	5
P	M	_	T	A	B	1	1	:		K	E	Y	0	5	/	2	5	.	5
P	M	_	T	A	B	1	1	:		K	E	Y	0	5	/	2	0	.	0

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "PM_TAB11".

Test 2 is not available at this time.

PM_TAB11

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL to "Execute" the TAB11 operation and wait for Ancho to upload the current values.

Ancho is now in the calibration mode indicating the velocity percentage for the key number displayed.

Press the "PREVIOUS" button to move the arrow from the percentage value to the key number.

Rotate the ADjust dial to move to a playable key. Keys 1-4 and keys 85-88 do not play. The selected key will repeat automatically.

Press the "NEXT" button to move the arrow from the key number to the percentage value.

Rotate the ADjust dial so that the key plays as softly as possible.

Instructions continue on the next page.

...Setup Menu Functions - Advanced...

...Sets Minimum Key Force / Alignment Test 11 [PM TAB11]

Continued from the previous page.

P	M	_	T	A	B	1	1	:	K	E	Y	0	5	⌂	2	0	.	0	%	1	Press the "PREVIOUS" button to point the arrow toward the key number.
P	M	_	T	A	B	1	1	:	K	E	Y	0	6	⌂	2	5	.	5	%	2	Rotate the ADJust dial to play the next key.
P	M	_	T	A	B	1	1	:	K	E	Y	0	6	/	2	5	.	5	⌂	3	Press the "NEXT" button so that the arrow points toward the percentage value.
P	M	_	T	A	B	1	1	:	K	E	Y	0	6	/	2	2	.	0	⌂	4	Rotate the ADJust dial so that the key plays as softly as possible.

Repeat the four steps above until all playable keys have been calibrated.

P	M	_	T	A	B	1	1	:	K	E	Y	8	4	/	2	3	.	0	⌂	The last playable KEY on an 80 not system will be key number 84.
P	M	_	T	A	B	1	1	:	K	E	Y	8	4	⌂	2	3	.	0	%	Once the last key is calibrated, press the "PREVIOUS" button to point the arrow at the key number.
P	M	_	T	A	B	1	1	:	P	E	D	0	1	⌂	2	8	.	9	%	Rotate the ADJust dial to display "PED01". If the system has a sustain pedal solenoid installed the dampers will begin to repeatedly lift off of the strings.
P	M	_	T	A	B	1	1	:	P	E	D	0	1	/	2	8	.	9	⌂	Press the "NEXT" button to point the arrow toward the percentage value.
P	M	_	T	A	B	1	1	:	P	E	D	0	1	/	3	4	.	3	⌂	Rotate the ADJust dial counter clockwise until you see the dampers hesitate before lifting. Rotate the ADJust dial clockwise until the dampers lift smoothly off of the strings
P	M	_	T	A	B	1	1	:	.	.	.	S	T	O	R	E	.	.		When finished, press the SElect button to STORE the new settings to the processor.
P	M	_	T	A	B	1	1	:	K	E	Y	0	5	⌂	2	0	.	0	%	The new settings are not saved until "STORE" is displayed and you are returned to the TAB11 menu.
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3	Double-Click SEL to exit.

...Setup Menu Functions - Advanced...

Audio Configuration [AV CONFIG]...

The Audio Configuration setting changes the functionality of the front panel's Headphone and the rear panel's Mic/Line Out 2 jacks. See the *Front and Rear Panel Features* sections of the manual for the locations of these jacks.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M		C	O	N	F	G	⋮		A	l	l		P	i	a	n	o	
P	M		T	A	B	0	2	⋮		E	x	e	c	u	t	e			
P	M		T	A	B	1	1	⋮		E	x	e	c	u	t	e			
A	V		C	O	N	F	G	⋮		S	t	a	n	d	a	r	d		
A	V		C	O	N	F	G	<		S	t	a	n	d	a	r	d		
A	V		C	O	N	F	G			S	t	a	n	d	a	r	d		<
A	V		C	O	N	F	G			S	t	a	n	d	a	r	d		⋮
A	V		C	O	N	F	G			K	a	r	a	o	k	e			⋮
S	H	U	T		D	O	W	N	.	.									

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "AV_CONFIG".

AV_CONFIG

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to select the desired option. See below and on the following page.

Ancho will power off if option is changed.

Power the system ON to the new Audio Configuration setting.

Configuration Option	<u>Front Panel Headphone</u>		<u>Rear Panel Input Mic Input / Line Out 2</u>	<u>Rear Panel Line Out</u> Usually connected to the speaker under the piano.	
Standard	Unmixed		Disabled	Unmixed	
Karaoke (Sing Along)	Unmixed No Microphone		Microphone Input: On both L & R channels	Microphone With Unmixed Audio	
Silent Piano	Mixed Soundcard Required		Disabled	Muted Audio	
Barcus Berry	Right Channel	Audio Mixed with Mic Input/Line Out 2	Input: Barcus Berry Planer Wave or Piano Microphone Required	Right Channel	Unmixed Audio To Piano Speaker
	Left Channel	Unmixed Audio		Left Channel	Audio Mixed with Mic Input/Line Out 2 To Home Audio System
Mixed Output	Disabled		Mixed Output Soundcard Required	Mixed Output Soundcard Required	
	Mixed audio output includes the background audio from the CD plus the piano part from the optional soundcard.				

...Setup Menu Functions - Advanced...

...Audio Configuration [AV CONFIG]

Standard The default setting.

Front panel's Headphone jack is active.

Rear panel's Line Out jack active for audio out.

Rear panel's "Mic Input / Line Out 2" jack is disabled.

Using a Microphone - Karaoke (Sing Along)

Connect a microphone to the back panel's "Mic Input/Line Out 2" jack.

Set the Audio Configuration Option to "Karaoke" (Sing Along)

After changing the Configuration Setting the system will automatically turn OFF.

Turn the system ON again.

The Microphone will be active, from any source, while in "PLAY" mode and can be used alone by selecting the Auxiliary Source.

The volume of the microphone follows the Master and Audio volume controls.

Practice In Silence - Silent Piano

You hear the Soundcard's Grand Piano through headphones without hearing the acoustic piano strings.

Requires the **Optional**: PNOscan, Headphones and Stop-Rail

Optional Parts List:

PNOscan Record System - Detects piano key movement.	79017
Stop Rail - Grand - Blocks hammers from striking strings.	56022
Headphones	Local Purchase

Set the Audio Configuration Option to "Silent Piano".

Plug headphones into the front panel's headphone jack.

Engage the Stop Rail to block the hammers from striking the strings.

Play the piano to practice in silence.

Send Acoustic Piano to Home Stereo - Barcus Berry

Your piano with Pianomation is connected to your home stereo system.

You can hear the audio "accompaniment" music through your home speaker system but, not the acoustic piano.

Requires the **Optional** Barcus Berry Piano Transducer.

Barcus Berry - Amplifies the piano's soundboard	70046
Piano/Audio Mixer - Balances Piano with Audio	70530

Set the Audio Configuration Option to "Barcus Berry"

Connect the Barcus Berry preamp's Monitor Output into the rear panel's "Mic Input / Line Out 2" jack.

Make certain that the **Left Channel** of the rear panel's Line Out jack is connected to you home stereo system.

The amplified acoustic piano and the audio accompaniment will be sent to your home stereo system.

Send Soundcard Piano to Home Stereo - Mixed Output

Your piano with Pianomation is connected to your home stereo system.

You can hear the audio "accompaniment" music through your home speaker system but, not the acoustic piano.

This feature is only active when playing from the Ancho's CD (QRS CDs) and Internal Sources.

Set the Audio Configuration Option to "Mixed Output".

The soundcard's Grand Piano and the audio accompaniment will be sent to your home stereo system when playing QRS CDs and the Internal Source music.

...Setup Menu Functions - Advanced...

CompactFlash Utilities [C-FLASH]

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M	_	C	O	N	F	G	⋮		A	l	l	_	P	i	a	n	o	
P	M		T	A	B	0	2	⋮		E	x	e	c	u	t	e			
P	M	_	T	A	B	1	1	⋮		E	x	e	c	u	t	e			
A	V	_	C	O	N	F	G	⋮		S	t	a	n	d	a	r	d		
	C	-	F	L	A	S	H	⋮		U	p	-	D	m	o		E	x	
	C	-	F	L	A	S	H	<		U	p	-	D	m	o		E	x	
	C	-	F	L	A	S	H			U	p	-	D	m	o	<	E	x	
	C	-	F	L	A	S	H			U	p	-	D	m	o	⋮	E	x	
	C	-	F	L	A	S	H			U	p	-	A	p	p	⋮	E	x	
	C	-	F	L	A	S	H			U	p	-	A	p	p	<	E	x	
	C	-	F	L	A	S	H			U	p	-	A	p	p		E	x	<

There are specific instructions for most of these Utility options in other sections of this manual.

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Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "C-FLASH".

C-FLASH

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the before "Ex".

Press SEL so that the arrow is flashing.

Rotate the Dial to select the desired option.
See below for the available options.

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL to "Execute" the selected option.

Press SEL to acknowledge successful operation.

Double-Click SEL to exit.










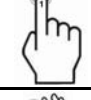


Demo Update	Up-Dmo	Updates the Internal Source music and the Sync Along series index.	Page
System Update	Up-Sys	Restores Ancho's Application Image.	50
Application Update	Up-App	Updates or Ancho's Application Image.	48; 49
Key List Update	Up-Key	Unavailable	
Format	Format	Formats a CompactFlash card.	
Copy Record	Rc-Cpy	Copies songs in all 9 record source locations to CompactFlash	37
Clear Record Memory	Rc-Clr	Erases songs in all 9 record source locations.	

...Setup Menu Functions - Advanced...

Copy Record - How Recordings are Named when Saved as a Group

Ancho's internal Record Source holds nine single track recordings. *The Optional Record Strip is required.*
When you are satisfied with all nine recordings, use this function to copy them ALL to a CompactFlash card.
Recordings may also be individually saved to CompactFlash during the record process.

HOW SONGS ARE SAVED: Each "group-save" creates a folder on the CompactFlash and then saves the contents from ALL 9 record source locations in this folder. *Empty record locations ARE saved.* The first folder is named "RECSES01" and you can perform a total of 98 of these group saves (RECSES01 through RECSES98). The "RECSES99" folder name is reserved for individual saves to CFLASH during the record process.
The names assigned to the songs within these "group-saves" are "RECSNG01 through RECSNG09"

Press the STOP button to halt play and insert a CompactFlash card into the reader.	
<div>0 0 1 m R C < ■ 0 0 : 0 0 V 0 6 4</div>	
Rotate the SE lect Dial so that "SETUP" appears in the center of the display.	
<div>0 0 1 m R C ■ S E T U P < V 0 6 4</div>	
Press the SE lect button to enter the Setup Menu.	
<div>M A I N - V O L < 0 6 4</div>	
Press the SE lect button again so that the arrow begins flashing.	
<div>M A I N - V O L < 0 6 4</div>	
Rotate the AD just dial so that the arrow points to C-FLASH.	
<div>C - F L A S H < U p - D m o E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>C - F L A S H < U p - D m o E x</div>	
Rotate the AD just dial to point the arrow toward the current C-FLASH setting.	
<div>C - F L A S H : U p - D m o < E x</div>	
Press the SE lect button so that the arrow begins to flash.	
<div>C - F L A S H : U p - D m o < E x</div>	
Rotate the AD just dial to display "Rc-Cpy".	
<div>C - F L A S H : R c - C p y < E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>C - F L A S H : R c - C p y < E x</div>	
Rotate the AD just dial to point the arrow toward Ex. Press the SE lect button to execute the command.	
<div>C - F L A S H : R c - C p y E x <</div>	
Wait for the read/write process to finish and then press the SE lect button when "Sc" displays.	
<div>C O P Y R E C R D - S O N G 0 0 9 r</div> <div>C O P Y R E C R D - S O N G (S c c)</div>	
Press the SE lect button twice, quickly within one-half second, to save the new setting and exit.	

...Setup Menu Functions - Advanced...

CD ROM Drive Utilities [CD-ROM]

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M		C	O	N	F	G	⋮		A	l	l		P	i	a	n	o	
P	M		T	A	B	0	2	⋮		E	x	e	c	u	t	e			
P	M		T	A	B	1	1	⋮		E	x	e	c	u	t	e			
A	V		C	O	N	F	G	⋮		S	t	a	n	d	a	r	d		
	C	-	F	L	A	S	H	⋮		U	p	-	D	m	o		E	x	
		C	D	-	R	O	M	⋮		U	p	-	D	m	o		E	x	
		C	D	-	R	O	M	<		U	p	-	D	m	o		E	x	
		C	D	-	R	O	M			U	p	-	D	m	o	<	E	x	
		C	D	-	R	O	M			U	p	-	D	m	o	⋮	E	x	
		C	D	-	R	O	M			U	p	-	A	p	p	⋮	E	x	
		C	D	-	R	O	M			U	p	-	A	p	p	<	E	x	
		C	D	-	R	O	M			U	p	-	A	p	p		E	x	<

There are specific instructions for most of these Utility options in other sections of this manual.

																		O	K	
																		S	c	c
	C	-	F	L	A	S	H			U	p	-	A	p	p	<	E	x		

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
---	---	--	---	---	---	---	---	--	---	---	---	---	---	--	---	--	---	---	---

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "CD-ROM".

CD-ROM

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the before "Ex".

Press SEL so that the arrow is flashing.

Rotate the Dial to select the desired option.
See below for the available options.

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow at the far right.

Press SEL to “Execute” the selected option.

Press SEL to acknowledge successful operation.

Double-Click SEL to exit.

Demo Update	Up-Dmo	Updates the Internal Source and the Sync Along series index.
System Update	Up-Sys	Restores Ancho's Application Image.
Application Update	Up-App	Updates Ancho's Application Image.
Key List Update	Up-Key	Unavailable
Append SyncAlong	Sa-SCp	Adds "Appends" SyncAlong MIDI files from a CDROM to a CompactFlash.
Overwrite SyncAlong	Sa-HCp	Replaces "Overwrites" SyncAlong MIDI files from a CDROM to a CompactFlash.

...Setup Menu Functions - Advanced...

Append SyncAlong Files from CDROM to CompactFlash

Press the STOP button to halt play.

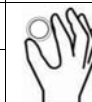
Insert the Sync Along CompactFlash card and the CDROM containing the updated MIDI files.

0 0 0 ^m C D < ■ 0 0 : 0 0 V 0 2 5



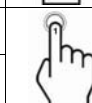
Rotate the **SE**lect Dial, point the arrow at the counter, so that "SETUP" displays in the screen.

0 0 0 ^m C D ■ S E T U P < V 0 2 5



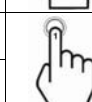
Press the **SE**lect button to enter the Setup Menu.

M A I N - V O L < 0 2 5



Press the **SE**lect button again so that the arrow begins flashing.

M A I N - V O L < 0 6 4



Rotate the **AD**just dial to display CD-ROM at the left of the display.

C D - R O M < U p - D m o E x



Press the **SE**lect button to stop the arrow from flashing.

C D - R O M < U p - D m o E x



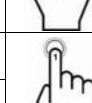
Rotate the **AD**just dial to point the arrow toward the current CD-ROM setting.

C D - R O M : U p - D m o < E x



Press the **SE**lect button so that the arrow begins to flash.

C D - R O M : U p - D m o < E x



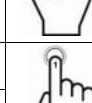
Rotate the **AD**just dial to display "Sa-HCp".

C D - R O M : S a - S C p < E x



Press the **SE**lect button to stop the arrow from flashing.

C D - R O M : S a - S C p < E x



Rotate the **AD**just dial to point the arrow toward Ex.

Press the **SE**lect button to execute the command.

C D - R O M : S a - S C p E x <



Wait several minutes for the read, write and verification process to finish.

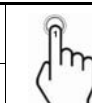
S	C	O	P	Y	S	Y	N	C	A	L	O	N	G	:	.	.	.	x
S	C	O	P	Y	S	Y	N	C	A	L	O	N	G	:	1	4	1	r
S	C	O	P	Y	S	Y	N	C	A	L	O	N	G	:	1	4	1	w
S	C	O	P	Y	S	Y	N	C	A	L	O	N	G	:	0	0	1	v

Error Messages

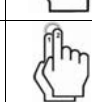
(Er1)	No CDROM
(Er3)	No CDROM Files
(Er4)	Check CFLASH

Press the **SE**lect button when "Sc" appears.

C O P Y S Y N C - A L O N G (S c c)



Press the **SE**lect button twice, quickly within one-half second, to exit the setup menu.



...Setup Menu Functions - Advanced...

Volume & Expression Curves - Activate [F-CURVES]

The F-Curve settings determine how the Audio and Piano volume levels change as the Master volume level changes. The default option is "Disabled" and the F-Curve settings cannot be accessed during playback. To activate the F-Curves change the access option to "manual".

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M	_	C	O	N	F	G	⋮		A	l	l	_	P	i	a	n	o	
P	M	_	T	A	B	0	2	⋮		E	x	e	c	u	t	e			
P	M	_	T	A	B	1	1	⋮		E	x	e	c	u	t	e			
A	V	_	C	O	N	F	G	⋮		S	t	a	n	d	a	r	d		
	C	-	F	L	A	S	H	⋮		U	p	-	D	m	o		E	x	
		C	D	-	R	O	M	⋮		U	p	-	D	m	o		E	x	
F	-	C	U	R	V	E	S	⋮		D	i	s	a	b	l	e	d		
F	-	C	U	R	V	E	S	<		D	i	s	a	b	l	e	d		
F	-	C	U	R	V	E	S			D	i	s	a	b	l	e	d		<
F	-	C	U	R	V	E	S			D	i	s	a	b	l	e	d		⋮
F	-	C	U	R	V	E	S			M	a	n	u	a	l				⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display "SETUP".

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display "F-CURVES".

F-CURVES

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to select t "Manual".

Double-Click SEL to exit.

See the next page of this manual for changing the F-Curves settings instructions.
Be certain to change the Access Option back to "Disabled" after changing the settings.

...Setup Menu Functions - Advanced...

Volume & Expression Curves - Change Settings [F-CURVES]

Set the F-Curves Access Option to “Manual”, see the previous page.

Volume Curves:

The **Audio button** sets the audio level for each global volume.

The **Master button** sets the Synth level for each global volume.

The **Piano button** sets the Pianomation for each global volume.

Low: Corresponds to a global volume of 001.

Medium: Corresponds to a global volume of 064.

High: Corresponds to a global volume of 127.

Midi Expression Curves: When this function is selected, you can define the midi expression curves... Ancho has 1000000 different expression curves. This defines how midi velocities from the source file are mapped into other velocities towards the Pianomation. The source can have from 0 to 127 midi velocities, and the same is true for the Pianomation. We use 3 typical midi velocities, being 32, 64, 96. They represent 25%, 50% & 75% of the maximum (127) midi velocity. When this expression function is selected, the Audio keys (remote control) will define those percentages.

F-Curves: Default Settings			
	Audio	Master	Piano
F1/Source - 1st tap	40	99	01
F1/Source - 2nd tap	95	99	50
F1/Source - 3rd tap	99	99	99
F1/Source - 4th tap	Li	Li	Li
or → Audio UP	Dy	Dy	Dy
Audio UP	Ex	Ex	Ex
Audio UP	F1		
Audio UP	U1		
Audio UP	U2		
Audio UP	U3		
Audio UP	U4		
Audio UP	G1		
Audio UP	G2		
Audio UP	G3		
Audio UP	G4		
	00	50	75
F1/Source - 5th tap	Exit the F-Curve mode		

Insert a QRS CD, select the CD Source and press PLAY.

Adjust the Master Volume level to “001”; the Audio Volume to “A---” and the Piano Volume to “P---”.

0 1 Q R S ▶ 0 0 : 0 0 V > 0 0 1

Tap the F1/SOURCE button on the Remote control to access the “Low” audio offset level.

Adjust the Audio Volume so that the music from the speaker sounds balanced with the acoustic piano.

F - L O W A : 4 0 S : 9 9 P : 0 1

Tap the F1/SOURCE button four times to exit. Adjust the Master Volume level to “063”.

Tap the F1/SOURCE button twice to access the “middle” audio offset adjust.

Adjust the Audio Volume so that the music from the speaker sounds balanced with the acoustic piano.

0 1 Q R S ▶ 0 0 : 0 0 V > 0 6 3

F - M I D A : 8 0 S : 9 9 P : 5 0

Tap the F1/SOURCE button three times to exit. Adjust the Master Volume level to “127”.

Tap the F1/SOURCE button three times to access the “high” audio offset adjust.

Adjust the Audio Volume so that the music from the speaker sounds balanced with the acoustic piano.

0 1 Q R S ▶ 0 0 : 0 0 V > 1 2 7

F - H G H A : 9 9 S : 9 9 P : 9 9

Tap the F1/SOURCE button once.

F - E X P L : L i M : L i H : L i

Use the remote control's Audio button to advance through the preset Expression settings until you get to the last setting. Then use the six volume buttons to manually set each of the Low, Medium and High Expression settings.

Tap the F1/SOURCE button on the Remote control. [F1 - Fifth Tap] to Exit and return to normal PLAY

...Setup Menu Functions - Advanced

MIDI Input Select [MIDI-SRC]

This setting changes how the MIDI Input Source responds to MIDI data received into the MIDI Input cable.

When MIDI Input Select is set to “**Record Strip**” the MIDI data triggers Ancho’s internal soundcard voices. Note that the when the MIDI Input Source is selected the soundcard voice list is active in the display.

When MIDI Input Select is set to **F-Player** (File Player) MIDI data written for “piano” will trigger Pianonation and the piano keys. Use this setting when playing the piano from a PC or other external MIDI device.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
A	U	D	I	O	V	O	L	⋮		+	0	0							
P	I	A	N	O	V	O	L	⋮		+	0	0							
H	P	H	N	-	V	O	L	⋮		0	6	3							
T	E	M	P	O				⋮		1	0	0	%						
T	R	A	N	S	P	O	S	⋮		=	0	0							
M	I	C	R	O	P	H	N	⋮		+	0	d	B						
B	A	L	A	N	C	E		⋮		=	0	0							
B	A	S	S					⋮		=	0	0							
T	R	E	B	L	E			⋮		=	0	0							
M	E	T	R	O	N	O	M	⋮		0	6	0	b	p	m				
M	E	T	R	O	V	O	L	⋮		V	o	0		o	f	f			
M	I	D	I	-	D	L	Y	⋮		P	m	a	t	i	o	n			
P	M							⋮		A	l	l			P	i	a	n	o
P	M							⋮		E	x	e	c	u	t	e			
P	M							⋮		E	x	e	c	u	t	e			
A	V							⋮		S	t	a	n	d	a	r	d		
								⋮		U	p	-	D	m	o		E	x	
								⋮		U	p	-	D	m	o		E	x	
M	I	D	I	-	S	R	C	⋮		R	e	c	S	t	r	i	p		
M	I	D	I	-	S	R	C	⋮		R	e	c	S	t	r	i	p		
M	I	D	I	-	S	R	C	<		R	e	c	S	t	r	i	p		
M	I	D	I	-	S	R	C			R	e	c	S	t	r	i	p	<	
M	I	D	I	-	S	R	C			R	e	c	S	t	r	i	p	⋮	
M	I	D	I	-	S	R	C			F	-	P	l	a	y	e	r	⋮	
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display “SETUP”.

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display “MIDI-SRC”.

MIDI-SRC

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to select “RecordStrip or F-Player.

Double-Click SEL to exit.

...Setup Menu Functions - Advanced...

Metronome - Time Signature [TIMESIGN]

Use this function to change the time signature of the “click-track” when recording using the optional record system.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
T	I	M	E	S	I	G	N	⋮		4	/	4							
M	I	D	I	-	S	R	C	<		R	e	c	S	t	r	i	p		
M	I	D	I	-	S	R	C			R	e	c	S	t	r	i	p	<	
M	I	D	I	-	S	R	C			R	e	c	S	t	r	i	p	⋮	
M	I	D	I	-	S	R	C			F	-	P	l	a	y	e	r	⋮	
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display “SETUP”.

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display “TIMESIGN”.

↓
TIMESIGN

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to select the desired signature.

Double-Click SEL to exit.

Time Signature Options									
1	1		4	4		5	8		
1	2		5	4		6	8		
2	2		6	4		7	8		
3	2		1	8		8	8		
1	4		2	8		9	8		
2	4		3	8		12	8		
3	4		4	8					

Mixed Output Level - Soundcard Piano [PNOSYNTH]

This setting adjusts the volume level of the synthesized piano voice that is sent to a powered speakers along with the audio background when the Audio Configuration setting is set to Mixed Output.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
P	N	O	S	Y	N	T	H	⋮		8	0								
P	N	O	S	Y	N	T	H	<		8	0								
P	N	O	S	Y	N	T	H			8	0								<
P	N	O	S	Y	N	T	H			8	0								⋮
P	N	O	S	Y	N	T	H			8	0								⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

Press Stop to halt play.

Rotate the ADJ Dial to display “SETUP”.

Press the SEL button to enter the Setup Menu.

Press SEL so that the arrow is flashing.

Rotate Dial to display “PNOSYNTH”.

↓
PNOSYNTH

Press SEL so the arrow is solid.

Rotate the Dial to put the arrow the far right.

Press SEL so that the arrow is flashing.

Rotate the Dial to adjust the level.

Double-Click SEL to exit.

...Setup Menu Functions - Advanced...

Soundcard Output [SYNTHVOL]

Maximum / Dynamic

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
S	Y	N	T	H	V	O	L	⋮		M	a	x	i	m	u	m			
S	Y	N	T	H	V	O	L	<		M	a	x	i	m	u	m			
S	Y	N	T	H	V	O	L			M	a	x	i	m	u	m			<
S	Y	N	T	H	V	O	L			M	a	x	i	m	u	m			⋮
S	Y	N	T	H	V	O	L			M	a	x	i	m	u	m			⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

- Press Stop to halt play.
- Rotate the ADJ Dial to display "SETUP".
- Press the SEL button to enter the Setup Menu.
- Press SEL so that the arrow is flashing.
- Rotate Dial to display "SYNTHVOL".
- SYNTHVOL
- Press SEL so the arrow is solid.
- Rotate the Dial to put the arrow the far right.
- Press SEL so that the arrow is flashing.
- Rotate the Dial to select Maximum or Dynamic.
- Double-Click SEL to exit.

Main Audio Output [MAIN-OUT]

Mono or Stereo.

Select "Stereo" if using the QRS SyncAlong series music with two speakers connected to Ancho.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
M	A	I	N	-	O	U	T	⋮		M	o	n	o						
M	A	I	N	-	O	U	T	<		M	o	n	o						
M	A	I	N	-	O	U	T			M	o	n	o						<
M	A	I	N	-	O	U	T			M	o	n	o						⋮
M	A	I	N	-	O	U	T			M	o	n	o						⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

- Press Stop to halt play.
- Rotate the ADJ Dial to display "SETUP".
- Press the SEL button to enter the Setup Menu.
- Press SEL so that the arrow is flashing.
- Rotate Dial to display "MAIN-OUT".
- MAIN-OUT
- Press SEL so the arrow is solid.
- Rotate the Dial to put the arrow the far right.
- Press SEL so that the arrow is flashing.
- Rotate the Dial to select Mono or Stereo.
- Double-Click SEL to exit.

Exit Setup Menu [EXIT]

Select to exit the Setup menu.

OR...

Press the **SEL**ect button twice, quickly within one-half second, to exit.

See the "Ancho Front Panel Navigation - Basics" section of this manual for access.

1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3
1	2		Q	R	S		■		S	E	T	U	P	<	V		0	6	3
M	A	I	N	-	V	O	L	<		0	6	3							
M	A	I	N	-	V	O	L	⋮		0	6	3							
			E	X	I	T	⋮		E	x	e	c	u	t	e				
			E	X	I	T	<		E	x	e	c	u	t	e				
			E	X	I	T			E	x	e	c	u	t	e				<
			E	X	I	T			E	x	e	c	u	t	e				⋮
			E	X	I	T			E	x	e	c	u	t	e				⋮
1	2		Q	R	S	<	■		0	0	:	0	0		V		0	6	3

- Press Stop to halt play.
- Rotate the ADJ Dial to display "SETUP".
- Press the SEL button to enter the Setup Menu.
- Press SEL so that the arrow is flashing.
- Rotate Dial to display "EXIT".
- EXIT
- Press SEL so the arrow is solid.
- Rotate the Dial to put the arrow the far right.
- Press SEL so that the arrow is flashing.
- Rotate the Dial to select Mono or Stereo.
- Double-Click SEL to exit.



Music File Types Recognized

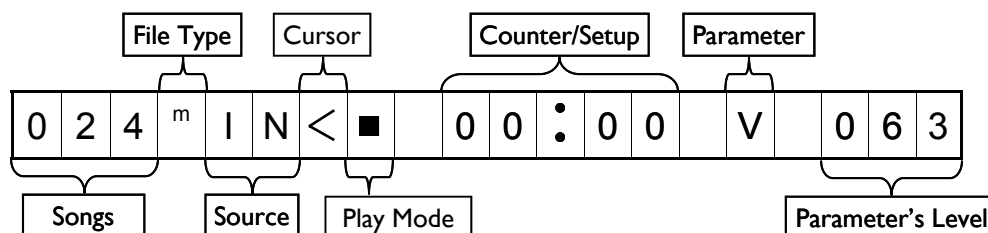
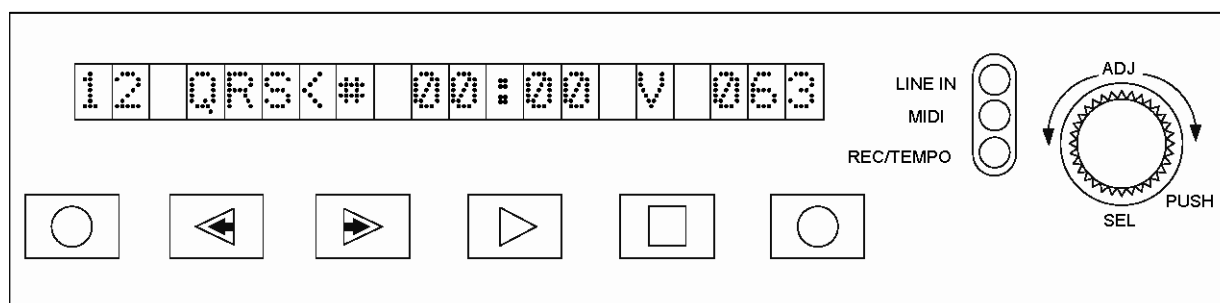
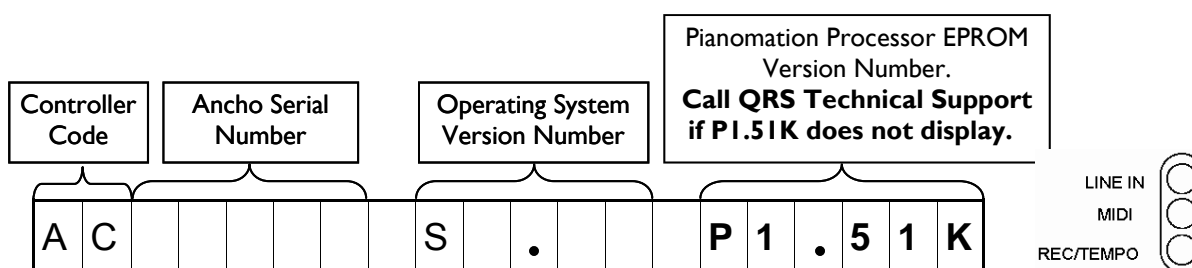
Source	Source Description	Display	File Extension	Types Recognized
CD	QRS	QRS	cda	QRS Nostalgic, Performance, Digitally Orchestrated and Concert Series CDs
	QRS Sync Along	SAL	cda	QRS Sync Along Series CDs
	Audio	CDA	cda	Stereo Audio CDs [Piano keys do not play!]
	CDROM	m	mid	CDROM General MIDI
		3	mp3	CDROM MP3 Audio
		3	mp3	CDROM MP3 Audio with Pianomation
CF	CompactFlash Reader	m	mid	General MIDI
		3	mp3	MP3 Audio
		3	mp3	MP3 Audio with Pianomation
IN	Internal Preloaded Music	m	mid	General MIDI
		3	mp3	MP3 Audio [Piano keys do not play!]
		3	mp3	MP3 Audio with Pianomation
AU	Auxiliary (External Source)	AMI		Play QRS CDs from an external source. The Sync Along series music will not play from an external source.
		STE		Play audio CDs from an external source. The piano will not play.
RC	Record	m	mid	Record to the internal memory. Option record strip required.
MI	MIDI Input	R	mid	Ancho set up to trigger soundcard voices from keyboard. Option record strip required.
		E		Ancho set up to play from external MIDI signal from computer or other MIDI device.

1	3		Q	R	S	<	■		0	0	:	0	0		V		0	2	5
2	0		S	A	L	<	■		0	0	:	0	0		V		0	2	5
1	0		C	D	A	<	■		0	0	:	0	0		V		0	2	5
0	2	4	^m	I	N	<	■		0	0	:	0	0		V		0	2	5
0	0	1	³	C	D	<	■		0	0	:	0	0		V		0	2	5
0	0	1	³	C	F	<	■		0	0	:	0	0		V		0	2	5
A	M	I	:	A	U		▶		Q	-	R	-	S		V	>	0	2	5
S	T	E	:	A	U		▶		Q	-	R	-	S		V	>	0	2	5
0	0	1	^R	I	N	<	■		0	0	:	0	0		V		0	2	5
0	0	1	^E	I	N	<	■		0	0	:	0	0		V		0	2	5

Ancho's Power ON Sequence

During this time the CD drive is also being scanned for content.

Q	R	S		M	U	S	I	C		T	E	C	H	N	O	L	O	G	Y
Q	R	S																	
Q	R	S		M	U	S	I	C											
Q	R	S		M	U	S	I	C		T	E	C	H	N	O	L	O	G	Y



The Ancho controller will power on ready to play from the last played source. If the last played source was the CD Drive (CD), the CompactFlash Reader (CF) or the Internal Source (IN), the total number of songs currently on that media will be displayed. Pressing Play will begin to play the first song. If the last played source was either the CD Drive or the CompactFlash Reader and the drive or reader is empty, then the system will go to the Internal Source and display the total number of pre-programmed songs. If the last played source was Auxiliary Input (AU), Record (RC) or MIDI Input (MI), the Ancho controller will turn on to that source ready for an external input signal or a command from user.











Auto-Update Utility - Application Versions V0.38 or Later

Remove the CompactFlash card before updating from a CDROM!

To update the images on Ancho units with Application versions before V0.38 use the instructions on the previous pages.

Updating Ancho's Demo Image and Updating Ancho's Application Image..












To see what version is currently installed, go to the "Ancho's Power ON Sequence" page at the beginning of this manual.

Download the current Application and/or Demo images files from the QRS website. (http://www.qrsmusic.com/support_pa.asp) and copy the files to a CompactFlash card or a CDROM disc. Power Ancho ON then insert the CDROM disc or CompactFlash card containing the image files into Ancho. Power Ancho OFF The following instructions show how to upgrade the Application and Demo images from a CDROM.	 
Press and Hold the SE Lect button while powering Ancho ON. When "QRS MUSIC TECHNOLOGIES" appears Count 2 Seconds then release the SE Lect button.	
Q R S M U S I C T E C H N O L O G Y	
"System Configuration" displays while Ancho looks for the image files on CD or CompactFlash.	
S y s t e m C o n f i g u r a t i o n	
If the Application image is found Ancho will begin the upgrade process. "OK" displays when completed. Press the SE Lect button to continue.	
U P G R A D E A P P L . C D . (2 3) U P G R A D E A P P L . C D . (O K)	
If the Demo image is found Ancho will begin the upgrade process. "OK" displays when completed. Press the SE Lect button to continue.	
U P G R A D E D E M O . C D . (2 3) U P G R A D E D E M O . C D . (O K)	
Ancho automatically powers OFF to complete the upgrade process.	
S H U T D O W N	

Update Ancho's Application Image

The current Application Image, or operating system, version displays each time Ancho is turned on.
See "Ancho's Power ON Sequence" at the beginning of this manual.








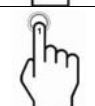

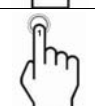

Download the new image file from the QRS Music website and copy to a CompactFlash card or CDROM disc.
http://www.qrsmusic.com/support_pa.asp

Press the STOP button to halt play. Insert the CDROM disc or CompactFlash card containing the demo.ima file into Ancho. The instructions below show how to update the demo image using a CDROM disc. If a CFLASH card is used, replace CD-ROM with C-FLASH in the following instructions.	
<div>0 2 4 m I N < ■ 0 0 : 0 0 V 0 2 0</div>	
Rotate the SE lect Dial so that "SETUP" displays in the screen.	
<div>0 2 4 m I N ■ S E T U P < V 0 2 0</div>	
Press the SE lect button to enter the Setup Menu.	
<div>M A I N - V O L < 0 2 0</div>	
Press the SE lect button again so that the arrow begins flashing.	
<div>M A I N - V O L <: 0 2 0</div>	
Rotate the AD just dial so that the arrow points to CD-ROM.	
<div>CD - R O M <: U p - D m o E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>CD - R O M < U p - D m o E x</div>	
Rotate the AD just dial to point the arrow toward the current CD-ROM setting.	
<div>CD - R O M : U p - D m o < E x</div>	
Press the SE lect button so that the arrow begins to flash.	
<div>CD - R O M : U p - D m o <: E x</div>	
Rotate the AD just dial to display "Up-App".	
<div>CD - R O M : U p - A p p <: E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>CD - R O M : U p - A p p < E x</div>	
Rotate the AD just dial to point the arrow toward Ex.	
<div>CD - R O M : U p - A p p E x <</div>	
Press the SE lect button to execute the command and again when "Scs" displays.	
Press the SE lect button twice, quickly within one-half second, to save the new setting and exit.	














Update SyncAlong Music Index [Demo Image File]

The demo image file contains the pre-programmed music located in the Internal Source of Ancho. It also contains a hidden index file used to synchronize the Sync-Along series music.

Download the new image from the QRS Music website and copy to a CompactFlash card or CDROM disc.
http://www.qrsmusic.com/support_pa.asp

Press the STOP button to halt play. Insert the CDROM disc or CompactFlash card containing the demo.ima file into Ancho. The instructions below show how to update the demo image using a CDROM disc. If a CFLASH card is used, replace CD-ROM with C-FLASH in the following instructions.	
<div>0 2 4 m I N < ■ 0 0 : 0 0 V 0 2 0</div>	
Rotate the SE lect Dial so that "SETUP" displays in the screen.	
<div>0 2 4 m I N ■ S E T U P < V 0 2 0</div>	
Press the SE lect button to enter the Setup Menu.	
<div>M A I N - V O L < 0 2 0</div>	
Press the SE lect button again so that the arrow begins flashing.	
<div>M A I N - V O L < 0 2 0</div>	
Rotate the AD just dial so that the arrow points to CD-ROM.	
<div>C D - R O M < U p - A p p E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>C D - R O M < U p - A p p E x</div>	
Rotate the AD just dial to point the arrow toward the current CD-ROM setting.	
<div>C D - R O M : U p - A p p < E x</div>	
Press the SE lect button so that the arrow begins to flash.	
<div>C D - R O M : U p - A p p < E x</div>	
Rotate the AD just dial to display "Up-Dmo".	
<div>C D - R O M : U p - D m o < E x</div>	
Press the SE lect button to stop the arrow from flashing.	
<div>C D - R O M : U p - D m o < E x</div>	
Rotate the AD just dial to point the arrow toward Ex.	
<div>C D - R O M : U p - D m o E x <</div>	
Press the SE lect button to execute the command and again when "Scc" displays.	
Press the SE lect button twice, quickly within one-half second, to save the new setting and exit.	

Update SyncAlong CompactFlash Music From CDROM

Press the STOP button to halt play. Insert the Sync Along CompactFlash card and the CDROM containing the updated MIDI files.									
<div>000^mCD<■00:00V025</div>									
Rotate the SE lect Dial, point the arrow at the counter, so that "SETUP" displays in the screen.									
<div>000^mCD■SETP<V025</div>									
Press the SE lect button to enter the Setup Menu.									
<div>MAIN-VOL<025</div>									
Press the SE lect button again so that the arrow begins flashing.									
<div>MAIN-VOL◁064</div>									
Rotate the AD just dial to display CD-ROM at the left of the display.									
<div>CD-ROM◁Up-DmoEx</div>									
Press the SE lect button to stop the arrow from flashing.									
<div>CD-ROM<Up-DmoEx</div>									
Rotate the AD just dial to point the arrow toward the current CD-ROM setting.									
<div>CD-ROM:Up-Dmo◁Ex</div>									
Press the SE lect button so that the arrow begins to flash.									
<div>CD-ROM:Up-Dmo◁Ex</div>									
Rotate the AD just dial to display "Sa-HCp".									
<div>CD-ROM:Sa-Scp◁Ex</div>									
Press the SE lect button to stop the arrow from flashing.									
<div>CD-ROM:Sa-Scp<Ex</div>									
Rotate the AD just dial to point the arrow toward Ex. Press the SE lect button to execute the command.									
<div>CD-ROM:Sa-ScpEx<</div>									
Wait several minutes for the read, write and verification process to finish.									
<div>SCOPYSYNCA LONG: . . . x</div>	<table><tr><th colspan="2">Error Messages</th></tr><tr><td>(Er1)</td><td>No CDROM</td></tr><tr><td>(Er3)</td><td>No CDROM Files</td></tr><tr><td>(Er4)</td><td>Check CFLASH</td></tr></table>	Error Messages		(Er1)	No CDROM	(Er3)	No CDROM Files	(Er4)	Check CFLASH
Error Messages									
(Er1)		No CDROM							
(Er3)		No CDROM Files							
(Er4)	Check CFLASH								
<div>SCOPYSYNCA LONG: 1 4 1 r</div>									
<div>SCOPYSYNCA LONG: 1 4 1 w</div>									
<div>SCOPYSYNCA LONG: 0 0 1 v</div>									
Press the SE lect button when "Sc" appears.									
<div>COPYSYNCA LONG (Sc)</div>									
Press the SE lect button twice, quickly within one-half second, to exit the setup menu.									

Restoring The Factory Default Settings

Remove the CompactFlash card and CDROM disc before proceeding! Power Ancho OFF.

Press and Hold the **SE**lect button while powering Ancho ON.
When “QRS MUSIC TECHNOLOGIES” appears **Count 2 Seconds** then release the **SE**lect button.
“System Configuration” displays and then Ancho will then go through the normal turn on sequence.

S	y	s	t	e	m		C	o	n	f	i	g	u	r	a	t	i	o	n
---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---	---

Rotate the **ADJ**ust dial to move the arrow to the center of the display until “SETUP” displays.

0	2	4	m	I	N		■		S	E	T	U	P	<	V		0	6	4
---	---	---	---	---	---	--	---	--	---	---	---	---	---	---	---	--	---	---	---

Press the **SE**lect button to enter the “System Configuration” Setup Menu.

S	Y	S	Y	E	M	<		D	e	f	I	t	s			E	x	
---	---	---	---	---	---	---	--	---	---	---	---	---	---	--	--	---	---	--

Rotate the **ADJ**ust dial to move the arrow to the far right of the display, pointing toward “Ex”.

S	Y	S	Y	E	M			D	e	f	I	t	s			E	x	<
---	---	---	---	---	---	--	--	---	---	---	---	---	---	--	--	---	---	---

Press the **SE**lect button to execute and reset the default settings.

R	E	S	E	T		D	E	F	A	U	L	T	S	.	(S	c	c)
---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Quickly press the **SE**lect button twice, within one-half second, to exit the Setup Menu.

Restoring The Application Image

The Application Image file (appl.ima) holds the program code, or operating system, for the Ancho controller’s user function set. It allows the user to operate the Pianomation player piano system using all of Petine’s functions and settings. The System Image file (syst.ima) holds the “core” program code for Petine. If the Application Image ever becomes corrupted or unusable for any reason, the System Image serves as a “backup” and allows the user to re-load or “restore” the Application Image.

If your Ancho unit powers on in the following sequence then an update is required to restore the system.
Download the current Application Image “Appl.ima” file from the QRS website [http://www.qrsmusic.com/support_pa.asp] and copy it to a RW type CD-ROM or CompactFlash card.

A	n	c	h	o		C	D		S	n	:								
S	y	s	t	e	m		C	h	e	c	k	.	.	.	.
S	y	s	t	e	m		C	h	e	c	k		U	s	r				
E	r	r	=	8	0	,		p	r	e	s	s		E	n	t	e	r	

Insert the CD-ROM or CompactFlash card containing the Appl.ima file and follow the instructions below.

I	n	s	e	r	t		a		C	D	-	R	O	M	D	i	s	k	
---	---	---	---	---	---	--	---	--	---	---	---	---	---	---	---	---	---	---	--

Press the **SE**lect button.

E	r	r	=	8	0	,		p	r	e	s	s		E	n	t	e	r	
---	---	---	---	---	---	---	--	---	---	---	---	---	--	---	---	---	---	---	--

Ancho will search for the update file.

D	e	t	e	c	t			C	D	R	O	M	/	C	F	L	A	S	H
---	---	---	---	---	---	--	--	---	---	---	---	---	---	---	---	---	---	---	---

Successful update. Power OFF and ON again.

U	P	G	/	F	M	T	:	S	U	C	C	E	S	S	!				
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

Optional - Sliding Mounting Bracket

Snap the narrow edge [A] of a plastic slide [3] into the sliding bracket's slot [B].
Repeat on the other side of the sliding bracket.

Lower the sliding bracket [2] over the Ancho controller [1] as shown in Figure 1 below.
The narrow edge [A] of the plastic slides should touch the Ancho controller.

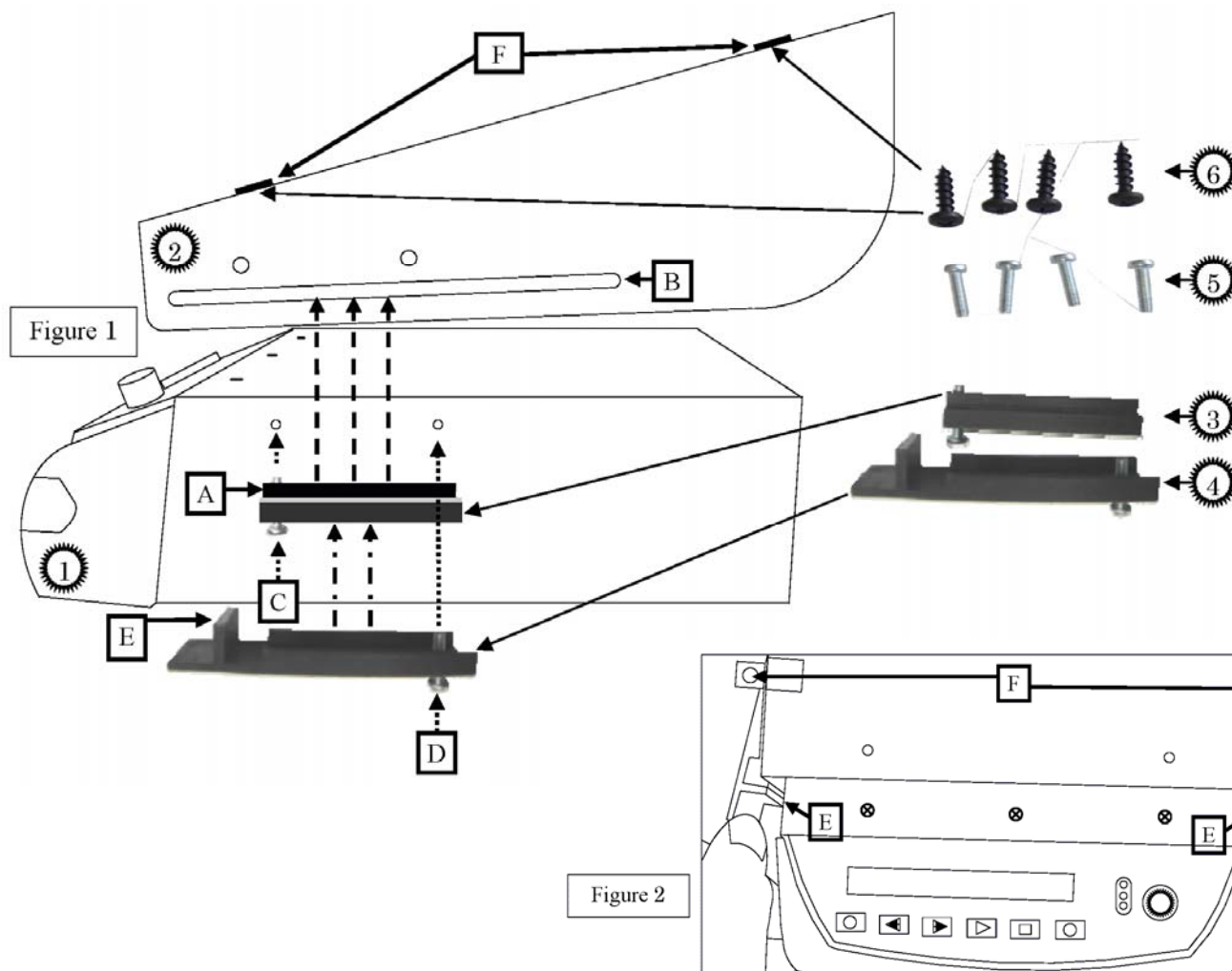
Insert a screw [5] through hole [C] of the plastic slide [3]
Align and tighten the screw into the threaded hole [C] of Ancho.
Repeat on the other side.

Place a plastic latch [4] over the plastic slide [3] with the catch [E] facing Ancho. See Figure 2.
The larger hole of the latch aligns over the screw [C] that was inserted in the previous step.
Insert a screw [5] through the smaller hole [D] of the plastic latch [4] and the plastic slide [3].
Align and tighten the screw into the threaded hole [D] of Ancho [1].
Repeat on the other side.

Use the paper template to mark the position under the keyed for the mounting holes [F].
Attach the bracket to the keyed using the #8 screws and connect the cables. See Page 6.

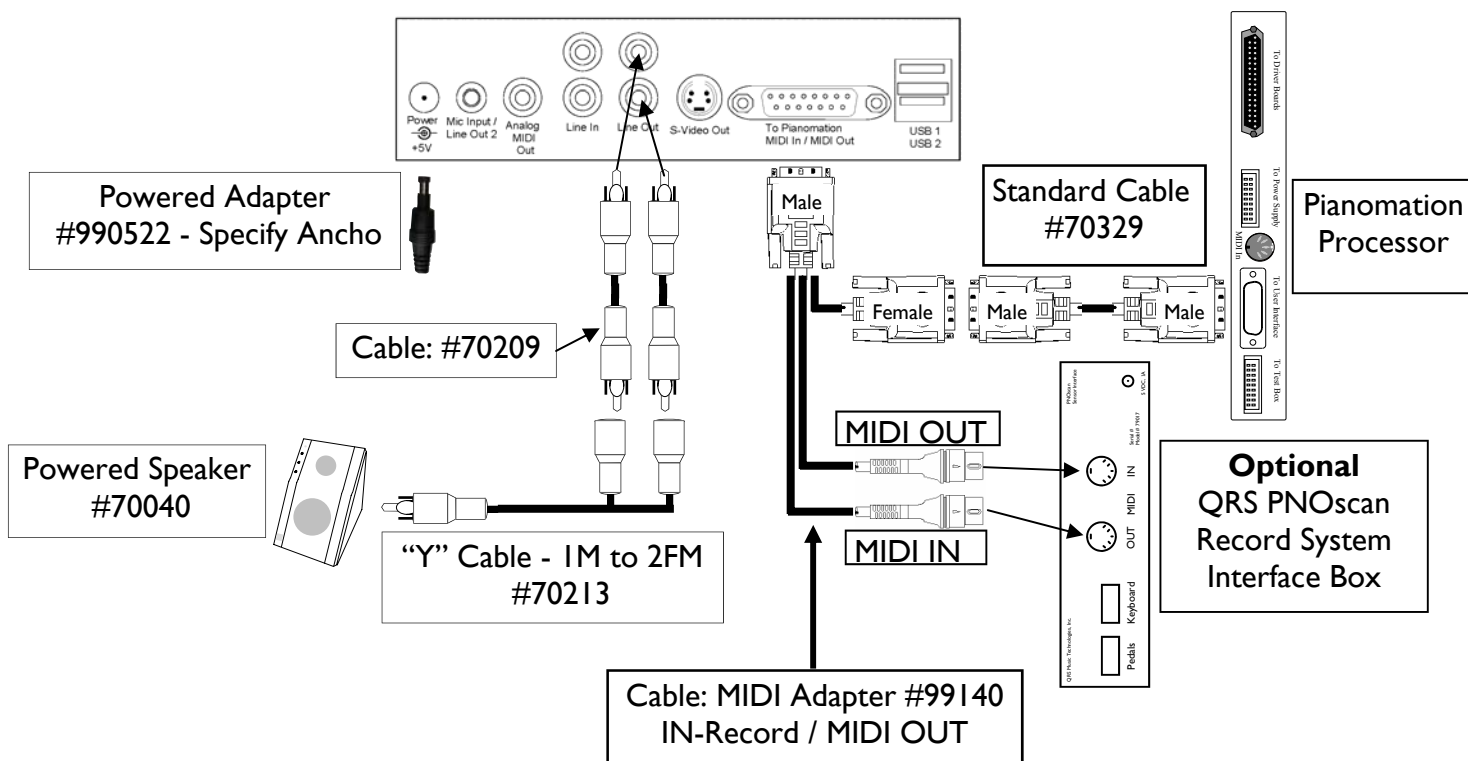
Pull Ancho out until the plastic latches snap into place.
To close, spread the plastic latches as shown below and push Ancho under the keyed.

Item #	Description	QTY	
98400A	Ancho Controller	1	1
980007	Sliding Bracket Complete		
980007A	Sliding Bracket	1	2
990050	Plastic Slide	2	3
	Plastic Latch	2	4
990048	M3 x 14mm Screw	4	5
70592	#8 x 3/4" Screw-Black	4	6

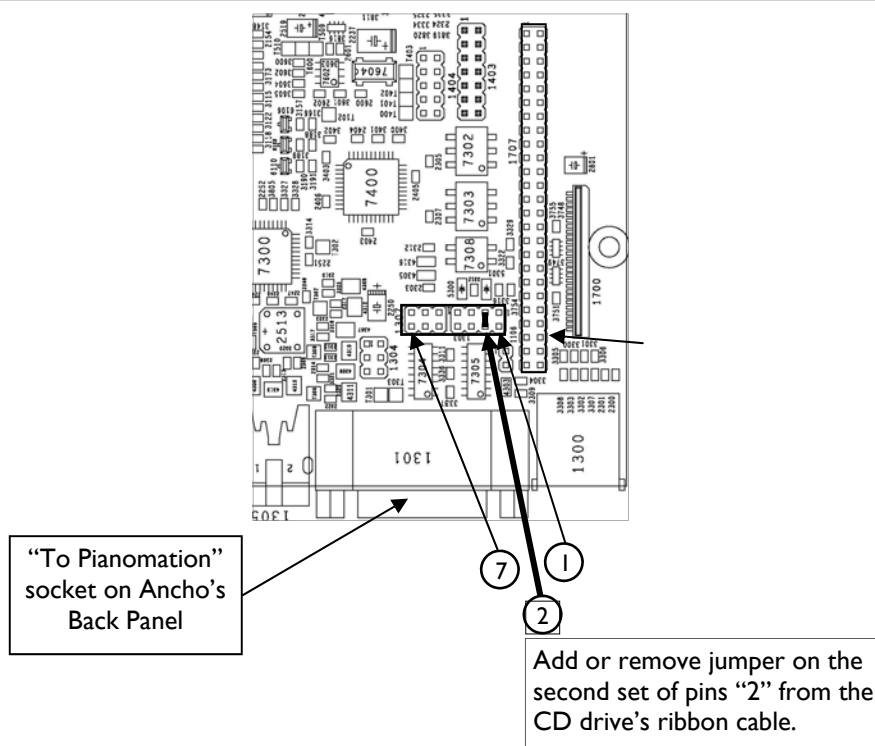


Connecting Ancho to the Pianomation Engine

MIDI Adapter Cable Connections - For RECORD or MIDI File Player



To avoid damage to the Ancho controller this jumper must be removed from inside the Ancho controller whenever the MIDI Adapter cable is removed.



Ancho Parts

Item #	Description	QTY
98400A	Ancho Controller with Soundcard	1
990522	Power Adapter - AC/DC	1
71398	Remote Control	1
70388	Batteries AAA	4
99140	MIDI Adapter Cable	1
70209	Cable: RCA (Connects Ancho to Speakers)	1
990107	Universal Mounting Brackets	2
70213	"Y" Cable: 1 RCA Male to 2 RCA Female	1
990050	Plastic Slide for Mounting Bracket	2
990009	Screws M3 Length 6mm, Philips Pan-Head Black (Ancho to Bracket)	4
70592	Screws (Bracket to Piano)	4
980021	Owners Manual	1
OM98002	Quick Guide	1

Ancho Options

Item #	Description	Item #	Description
79017	QRS PNOscan Record System	980007	Optional - Sliding Mounting Bracket - Complete
990024	CompactFlash Card 256MB - Type II	980007A	Sliding Mounting Bracket Only
50030	Q-touch Tablet-Ideal for Net Piano	9800101	Plastic Slides & Screws
970004	NetPiano "controller lifetime" subscription		

Updating Pianomation

If you are upgrading from a previous version of Pianomation MIDI you will need to update the EPROM to version 1.51K. The version 1.51K EPROM requires a 256 processor, located in processors similar to the ones shown below. The EPROM version is written on the EPROM which is located on the processor board. Dip switch #3 must be set to the ON position.

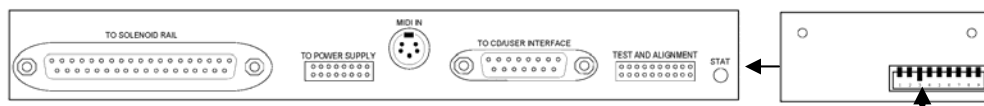
Use this notch to orient the EPROM in the correct position.



EPROM version 1.51K is required in systems using the QRS Ancho controller. This goes into the processor located under the piano.

Description	Part #
Processor & 1.51K EPROM	60108
EPROM 1.51K	70570

Current version
Released in the year 2000



Note: After installing Ancho on the piano flip **switch #3 ON**. Dip switches are located on the side of the Year 2000 processor and inside the enclosure on the previous years enclosures.

Troubleshooting

Symptom	Possible Solutions	Page
Plays one song and stops. Doesn't play songs in the order that I expect.	Ancho is in "Random - Play One Song and Stop" mode.	
	See "PLAY Modes"	6
	See "Repeat" & "Random" - Remote Control Advanced	11
Piano plays too loudly.	See "How to Properly Adjust the Piano, Audio, and Master Volume Levels"	8
	See "Sets Minimum Key Force / Alignment Test 11"	32-33
Lost remote! How do I control Ancho.	Review "Ancho's Front Panel Buttons"	4
	Review "Front Panel Display - Navigation Basics"	18-19
	Review "Setup Menu Functions - Navigation Basics"	20-21
	"Play a QRS CD using the Ancho Controller"	22
	"Record a song Using the Ancho Controller..."	14
Ancho turns ON but piano or audio don't play.	See "How to Properly Adjust the Piano, Audio and Master Volume levels".	8
	Pianomation system may not be turning ON. Verify that the "Pianomation Processor's EPROM Version Number" displays "1.51" during the "Power ON Sequence"	47
Not playing the music that I expect.	Ancho may be set to the wrong source.	5
	See "Powering ON Ancho for the First Time" See "Changing Sources"	
Ancho won't power OFF.	Press & Hold the ADJ/SEL dial to shut down if Ancho stops responding.	

CompactFlash Card “Sampler” Music

Children's Music	The Wizard of Oz	P01	001	401004	Children's Music	Bill Blodgett
Children's Music	Muppet Show Theme	P01	002	401004	Children's Music	Martin & Berkman
Children's Music	Animaniacs Theme	P01	003	401005	Children's Music II	George Bogatko
Children's Music	The Sound of Music II	P01	004	401005	Children's Music II	Rudy Martin
Country/Western	You Light Up My Life	P02	001	400202	Country Crossovers	Rudy Martin
Country/Western	For The Good Times	P02	002	400202	Country Crossovers	Johnny Lopez
Country/Western	Down Yonder	P02	003	400801	Country Jamboree I	Scott & Watters
Country/Western	Lookin' For Love	P02	004	400801	Country Jamboree I	Bob Berkman
Country/Western	Southern Nights	P02	005	400802	Country Jamboree II	Berkman & Ramsey
Country/Western	Always On My Mind	P02	006	400802	Country Jamboree II	Rudy Martin
Country/Western	Deep In The Heart Of Texas	P02	007	400803	Country Jamboree III	Jeff Watters
Country/Western	High Noon	P02	008	400803	Country Jamboree III	Harold Scott
Country/Western	Duelling Banjos	P02	009	400804	Country Jamboree IV	Hi Babit
Country/Western	I Don't Need You	P02	010	400804	Country Jamboree IV	Rudy Martin
Country/Western	Crazy	P02	011	801238	Country Piano Treasure	Jim Beishline
Country/Western	Don't It Make My Brown Eyes Blue	P02	012	801238	Country Piano Treasure	Jim Beishline
Country/Western	At A Georgia Camp-Meeting	P02	013	801279	Saloon Piano	Dave Bourne
Country/Western	Beautiful Dreamer	P02	014	801279	Saloon Piano	Dave Bourne
Classical	Paganini Etude No. 3 (La Campanella)	P03	001	801231	A Private Recital	Valerie Tryon
Classical	Spinner's Song , Op 67 No 4 (Mendelssohn)	P03	002	801231	A Private Recital	Valerie Tryon
Classical	Etude in G-flat, Op 10 No 5	P03	003	801202	An All Chopin Program	Cecile LaFontaine
Classical	Etude in E, Op 10 No 3	P03	004	801202	An All Chopin Program	Cecile LaFontaine
Classical	Romanze from Concerto No 1	P03	005	801252	Baldwin Legends Play Chopin	Wilhelm Backhaus
Classical	Etude in G-sharp Minor, Op 25 No 6	P03	006	801252	Baldwin Legends Play Chopin	Moriz Rosenthal
Classical	The Moth Waltz (Straus/Tausig)	P03	007	801253	Baldwin Legends Play Classical Gems	Mieczyslaw Munz
Classical	Minuet in G, Op 17 No 2 (Moszkowski)	P03	008	801253	Baldwin Legends Play Classical Gems	Josef Lhevinne
Classical	Reverie, Op 3 (Joel)	P03	009	802002	Fantasies And Delusions	C. T. Sierzchula
Classical	Waltz No 1 (Joel)	P03	010	802002	Fantasies And Delusions	C. T. Sierzchula
Classical	Intermezzo in A, Op 118 No 2	P03	011	801217	Brahms Piano Works	Gunther Danziger
Classical	Ballade in D Minor, Op 10 No 1	P03	012	801217	Brahms Piano Works	Gunther Danziger
Classical	Prelude No 10 in E Minor (Bach/Siloti)	P03	013	801283	Brilliance	Hugo van Neck
Classical	Impromptu in G-flat, Op 90 No 3 (Schubert)	P03	014	801283	Brilliance	Hugo van Neck
Classical	Waltz in A-flat, Op 39 No 15 (Brahms)	P03	015	801228	Candlelight Piano Classics	Mingshan Kong
Classical	Arabesque No 1 (Debussy)	P03	016	801228	Candlelight Piano Classics	Mingshan Kong
Classical	Rosenkavalier Waltzes (R. Strauss)	P03	017	801204	Casual Classics	Charles Cooper
Classical	Rudolpho's Narrative (La Boheme)(Puccini)	P03	018	801204	Casual Classics	Felix Arndt
Classical	Polonaise, Op 26 No 1	P03	019	801275	Chopin Masterworks	C. T. Sierzchula
Classical	Mazurka, Op 6 No 3	P03	020	801275	Chopin Masterworks	C. T. Sierzchula
Classical	Polonaise in A-flat, Op 53 (Chopin)	P03	021	401101	Classical Selections	Leopold Godowsky
Classical	Third Movement from Piano Concerto in E-flat, K	P03	022	401101	Classical Selections	Rudy Martin
Classical	Hungarian Rhapsody No 2 (Liszt)	P03	023	401102	Classical Selections II	I. J. Paderewski
Classical	Moonlight Sonata, 1st Mvt. (Beethoven)	P03	024	401103	Classical Selections II	Mary Angell
Classical	Danse (Debussy)	P03	025	801216	French Piano Music	Cecile LaFontaine
Classical	Clair de Lune, Op 46 No 2 (Faure)	P03	026	801216	French Piano Music	Cecile LaFontaine
Classical	Valse Impromptu in A-flat (Liszt)	P03	027	801201	Great Pianists of the 20th Century	Josef Hofmann
Classical	Annes de Pelerinage – Tarantella (Liszt)	P03	028	801201	Great Pianists of the 20th Century	Josef Hofmann
Classical	Holberg Suite: Preludium	P03	029	801218	Grieg: Holberg Suite & More	Leif Hannisdal
Classical	Holberg Suite: Sarabande	P03	030	801218	Grieg: Holberg Suite & More	Leif Hannisdal
Classical	Prelude No 1 in C (WTC I)	P03	031	801221	Bach-Masterpieces of the Baroque	Percy Bigham
Classical	Allegro giusto (from Italian Concerto, BWV 971)	P03	032	801221	Bach-Masterpieces of the Baroque	Percy Bigham
Classical	Six Variations on Nel Cor Piu	P03	033	801255	Keyboard Legends Play Beethoven	Dai Buell
Classical	Contretanze	P03	034	801255	Keyboard Legends Play Beethoven	Laura Danziger
Classical	Moderato, from Haydn Sonata in E	P03	035	802003	Lang Lang	C. T. Sierzchula
Classical	Allegretto, from Haydn Sonata in E	P03	036	802003	Lang Lang	C. T. Sierzchula
Classical	Allegro, from Sonata in C, K545 (Mozart)	P03	037	801219	Mozart & Scarlatti	Christopher Bolton
Classical	Andante, from Sonata in C, K545 (Mozart)	P03	038	801219	Mozart & Scarlatti	Christopher Bolton
Classical	Allegro, from Sonata in G, K283	P03	039	801226	Mozart Piano Sonatas	C. T. Sierzchula
Classical	Andante, from Sonata in G, K283	P03	040	801226	Mozart Piano Sonatas	C. T. Sierzchula

CompactFlash Card "Sampler" Music

Classical	Allegro con brio, from Sonata in C, Op 3 No 3 (Beethoven)	P03	041	801227	Piano Classics	Barnabas Fekete
Classical	Adagio, from Sonata in C, Op 3 No 3 (Beethoven)	P03	042	801227	Piano Classics	Barnabas Fekete
Classical	Liebesleid (Kreisler/Rachmaninov)	P03	043	801257	Rachmaninov Plays	Sergei Rachmaninov
Classical	Nocturne in F (Chopin)	P03	044	801257	Rachmaninov Plays	Sergei Rachmaninov
Classical	Ave Maria (Schubert/Liszt)	P03	045	801232	Relaxing Classics	Valerie Tryon
Classical	Tango (Albeniz)	P03	046	801232	Relaxing Classics	Valerie Tryon
Classical	Hungarian Rhapsody No. 12 (Liszt)	P03	047	801244	Robert Finley Plays Liszt	Robert Finley
Classical	Liebestraum No. 3 (Liszt)	P03	048	801244	Robert Finley Plays Liszt	Robert Finley
Classical	Etude, Op 2 No 1 (Scriabin)	P03	049	801243	Russian Composers	Robert Finley
Classical	Etude, Op 3 No 5 (Scriabin)	P03	050	801243	Russian Composers	Robert Finley
Classical	About Strange Lands And People (Kinderszenen, Op 15)	P03	051	801220	Schumann: Piano Works	Gunther Danziger
Classical	A Curious Story (Kinderszenen, Op 15)	P03	052	801220	Schumann: Piano Works	Gunther Danziger
Classical	Le Chemin de Fer (Alkan)	P03	053	801233	Virtuoso Piano, Vol. I	Thomas Wakefield
Classical	Souvenirs D'Andalousie (Gottschalk)	P03	054	801233	Virtuoso Piano, Vol. I	Thomas Wakefield
Classical	Fantasie in B minor, Op 28 (Scriabin)	P03	055	801235	Virtuoso Piano, Vol. II	John Nauman
Classical	Sonata No 4 in F-sharp, Op 30 (Scriabin)	P03	056	801235	Virtuoso Piano, Vol. II	John Nauman
Classical	Etude in C-sharp minor, Op 10 (Chopin)	P03	057	801245	Virtuoso Piano, Vol. III	Robert Finley
Classical	El Pelele (Goyescas) (Granados)	P03	058	801245	Virtuoso Piano, Vol. III	Robert Finley
Classical	Enticellas	P03	059	801245	Virtuoso Piano, Vol. III	Robert Finley
Classical	Suite, Op 14 No 1 (Bartok)	P03	060	801271	Bartok And Prokofiev	Barnabas Fekete
Classical	Suite, Op 14 No 2 (Bartok)	P03	061	801271	Bartok And Prokofiev	Barnabas Fekete
Classical	Suite, Op 14 No 3 (Bartok)	P03	062	801271	Bartok And Prokofiev	Barnabas Fekete
Christmas/Holiday	Good King Wenceslas	P04	001	801262	A Grand Piano Holiday	Ken Kaufman
Christmas/Holiday	We Three Kings	P04	002	801262	A Grand Piano Holiday	Ken Kaufman
Christmas/Holiday	White Christmas Medley	P04	003	400304	Celebrity Christmas Classics	Liberace
Christmas/Holiday	What Child Is This (Greensleeves)	P04	004	400304	Celebrity Christmas Classics	Ferrante & Teicher
Christmas/Holiday	O Christmas Tree	P04	005	400305	Cool Christmas Party	Rudy Martin
Christmas/Holiday	Linus & Lucy	P04	006	400305	Cool Christmas Party	Rudy Martin
Christmas/Holiday	Thanksgiving	P04	007	802001	December	C. T. Sierzchula
Christmas/Holiday	Jesus, Jesus Rest Your Head	P04	008	802001	December	C. T. Sierzchula
Christmas/Holiday	Chanukah O Chanukah	P04	009	801288	Home For Chanukah	Shapiro & Bernstein
Christmas/Holiday	Candle Blessings	P04	010	801288	Home For Chanukah	Shapiro & Bernstein
Christmas/Holiday	Hark! The Herald Angels Sing	P04	011	801282	Jan Vayne's Dutch Christmas	Jan Vayne
Christmas/Holiday	In Dulci Jubilo	P04	012	801282	Jan Vayne's Dutch Christmas	Jan Vayne
Christmas/Holiday	My Christmas Song for You	P04	013	801286	A Christmas Love Story	Joe Augustine
Christmas/Holiday	A Christmas Love Song	P04	014	801286	A Christmas Love Story	Joe Augustine
Christmas/Holiday	God Rest Ye Merry Gentlemen	P04	015	801254	O Christmas Jazz	Mike Jones
Christmas/Holiday	Frosty the Snowman	P04	016	801254	O Christmas Jazz	Mike Jones
Christmas/Holiday	It Came Upon A Midnight Clear	P04	017	400301	Stocking Stuffers I	Barnabas Fekete
Christmas/Holiday	Jolly Old St. Nicholas	P04	018	400301	Stocking Stuffers I	Barnabas Fekete
Christmas/Holiday	Up On The Housetop	P04	019	400302	Stocking Stuffers II	Bob Berkman
Christmas/Holiday	Santa Claus Is Coming To Town	P04	020	400302	Stocking Stuffers II	Frank Milne
Christmas/Holiday	A Holly Jolly Christmas	P04	021	400303	Stocking Stuffers III	Bob Berkman
Christmas/Holiday	I Saw Three Ships	P04	022	400303	Stocking Stuffers III	Rudy Martin
Dinner Music	Dreamsville	P05	001	801280	After Dark	Joe Augustine
Dinner Music	Since I Fell For You	P05	002	801280	After Dark	Joe Augustine
Dinner Music	The Nearness of You	P05	003	801210	As Time Goes By	Emily Rose Shaffer
Dinner Music	More	P05	004	801210	As Time Goes By	Emily Rose Shaffer
Dinner Music	I Only Have Eyes For You	P05	005	801203	Cocktails	Michael T. Jones
Dinner Music	Lazy Bones	P05	006	801203	Cocktails	Michael T. Jones
Dinner Music	Dream	P05	007	801247	Dream: Johnny Mercer	Larry Kass
Dinner Music	Jeepers Creepers	P05	008	801247	Dream: Johnny Mercer	Larry Kass
Dinner Music	Fine And Dandy	P05	009	801242	High Standards	George Jones
Dinner Music	My Foolish Heart	P05	010	801242	High Standards	George Jones
Dinner Music	Ruby	P05	011	801242	High Standards	George Jones
Dinner Music	Isn't It Romantic	P05	012	801229	Isn't It Romantic	Russell Messina
Dinner Music	Glenn Miller Medley	P05	013	801229	Isn't It Romantic	Russell Messina

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Dinner Music	Dancing In The Dark	P05	014	801258	Late Night Songs	Larry Kass
Dinner Music	Don't Take Your Love From Me	P05	015	801258	Late Night Songs	Larry Kass
Dinner Music	Everything I Have Is Yours	P05	016	801258	Late Night Songs	Larry Kass
Dinner Music	Love Walked In	P05	017	801206	Live At The Yesterday Lounge	Emily Rose Shaffer
Dinner Music	The Way You Look Tonight	P05	018	801206	Live At The Yesterday Lounge	Emily Rose Shaffer
Dinner Music	Somewhere Out There	P05	019	801285	Moonlight And Love Songs	Bob Geresti
Dinner Music	Moonlight Cocktail	P05	020	801285	Moonlight And Love Songs	Bob Geresti
Dinner Music	Moonlight In Vermont	P05	021	801205	Moonlight Moods	Larry Kass
Dinner Music	I'll Be Around	P05	022	801205	Moonlight Moods	Larry Kass
Dinner Music	Phantom Fantasy	P05	023	801248	Operatic Phantoms	Ivan Docenko
Dinner Music	A Night At The Opera	P05	024	801248	Operatic Phantoms	Ivan Docenko
Dinner Music	A Last Dance	P05	025	802011	Sinatra: The Very Good Years	Michael T. Jones
Dinner Music	It Was A Very Good Year	P05	026	802011	Sinatra: The Very Good Years	Michael T. Jones
Dinner Music	Speak Softly Love	P05	027	801259	Speak Softly To Me	Bob Geresti
Dinner Music	Through The Eyes Of Love (Ice Castles)	P05	028	801259	Speak Softly To Me	Bob Geresti
Dinner Music	Gone With The Wind	P05	029	801211	Supper Club Deluxe	Russell Messina
Dinner Music	Days of Wine and Roses	P05	030	801211	Supper Club Deluxe	Russell Messina
Dinner Music	Thanks For The Memory	P05	031	801267	Thanks For The Memories I	Joe Augustine
Dinner Music	On The Sunny Side of the Street	P05	032	801267	Thanks For The Memories I	Joe Augustine
Dinner Music	Memories of You/As Time Goes By	P05	033	801268	Thanks For The Memories II	Joe Augustine
Dinner Music	Love Letters	P05	034	801268	Thanks For The Memories II	Joe Augustine
Dinner Music	Forty-Second Street	P05	035	801265	The Reel Thing	Larry Kass
Dinner Music	Shadow Waltz	P05	036	801265	The Reel Thing	Larry Kass
Dinner Music	True Love	P05	037	802006	Ultralounge/Cole Porter	Michael T. Jones
Dinner Music	It's De-lovely	P05	038	802006	Ultralounge/Cole Porter	Michael T. Jones
International	MacNamara's Band	P06	001	401105	Irish Pub Songs	Pep Doyle
International	Sweet Rosie O'Grady	P06	002	401105	Irish Pub Songs	Frank Milne
International	Adoro	P06	003	801209	Latin American Super Hits	Marcos Lizama
International	El Dia Que Me Quieras	P06	004	801209	Latin American Super Hits	Marcos Lizama
International	Danny Boy	P06	005	801264	Meeting of the Waters	Timothy O'Neill
International	Spencil Hill	P06	006	801264	Meeting of the Waters	Timothy O'Neill
Jazz	A Beautiful Friendship	P07	001	801272	A Beautiful Friendship	Redd & Jones
Jazz	Blue Skies	P07	002	801272	A Beautiful Friendship	Redd & Jones
Jazz	Please Be Kind	P07	003	801272	A Beautiful Friendship	Redd & Jones
Jazz	The One I Love (Belongs To Somebody Else)	P07	004	801239	Crazy Rhythm	Mike Jones
Jazz	Baby Medley	P07	005	801239	Crazy Rhythm	Mike Jones
Jazz	Only Trust Your Heart	P07	006	801239	Crazy Rhythm	Mike Jones
Jazz	I'll Close My Eyes/Close Your Eyes	P07	007	801224	Jazz By Jones	Mike Jones
Jazz	Sea Songs Medley	P07	008	801224	Jazz By Jones	Mike Jones
Jazz	Send In The Clowns	P07	009	400104	Jazz Masters	Marian McPartland
Jazz	Mr. Jelly Lord	P07	010	400104	Jazz Masters	Jelly Roll Morton
Jazz	The Nearness of You/One Morning In May	P07	011	801261	Just Friends	Mike Jones
Jazz	How About You	P07	012	801261	Just Friends	Mike Jones
Jazz	Exactly Like You	P07	013	801225	Let's Misbehave	Mike Jones
Jazz	I'm Old-Fashioned	P07	014	801225	Let's Misbehave	Mike Jones
Jazz	I'm Through With Love	P07	015	801249	Mixed Emotions	Mike Jones
Jazz	Rose of Washington Square	P07	016	801249	Mixed Emotions	Mike Jones
Jazz	I Want To Be Happy	P07	017	801249	Mixed Emotions	Mike Jones
Jazz	Stars Fell On Alabama	P07	018	801269	Night Club Ballads	Mike Jones
Jazz	The Very Thought Of You	P07	019	801269	Night Club Ballads	Mike Jones
Jazz	Blues For Big Scotia	P07	020	802004	Oscar Peterson	Tim Griffin
Jazz	Honeysuckle Rose	P07	021	802004	Oscar Peterson	Tim Griffin
Jazz	I Married An Angel	P07	022	801207	Sophisticated Sounds I	Richard Dagenais
Jazz	The Folks Who Live On The Hill	P07	023	801207	Sophisticated Sounds I	Richard Dagenais
Jazz	The Talk Of The Town	P07	024	801208	Sophisticated Sounds II	Richard Dagenais
Jazz	I Don't Stand A Ghost Of A Chance	P07	025	801208	Sophisticated Sounds II	Richard Dagenais
Jazz	Satin Doll/They Can't Take That Away From Me	P07	026	801263	Three @ 100	Joe Augustine
Jazz	I've Got A Crush On You/I've Got It Bad	P07	027	801263	Three @ 101	Joe Augustine
Jazz	First Kiss	P07	028	801250	Touching You	Joe Augustine
Jazz	Killing Me Softly With His Song	P07	029	801250	Touching You	Joe Augustine

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Jazz	The Birth Of The Blues	P07	030	801223	Way Blue	Joe Augustine
Jazz	Georgia On My Mind	P07	031	801223	Way Blue	Joe Augustine
Jazz	Some Other Time	P07	032	801222	When I Fall In Love	Joe Brancato
Jazz	Autumn In New York	P07	033	801222	When I Fall In Love	Joe Brancato
Musicals	Annie Get Your Gun, part 1	P08	001	400401	Broadway Musicals I	Dick Watson
Musicals	Annie Get Your Gun, part 2	P08	002	400401	Broadway Musicals I	Dick Watson
Musicals	Ain't Misbehavin'	P08	003	400402	Broadway Musicals II	Cook & Waller
Musicals	Carousel	P08	004	400402	Broadway Musicals II	Dick Watson
Musicals	Forty-Second Street, part 1	P08	005	400403	Broadway Musicals III	J. Lawrence Cook
Musicals	Forty-Second Street, part 4	P08	006	400403	Broadway Musicals III	J. Lawrence Cook
Musicals	La Cage Aux Folles	P08	007	400404	Broadway Musicals IV	Brian A. Williams
Musicals	Finian's Rainbow	P08	008	400404	Broadway Musicals IV	Dick Watson
Musicals	The Fantasticks	P08	009	400601	Broadway Musicals V	Dick Watson
Musicals	No No Nanette	P08	010	400601	Broadway Musicals V	Vincent Youmans
Musicals	Sophisticated Ladies, part 1	P08	011	400602	Broadway Musicals VI	J. Lawrence Cook
Musicals	Sophisticated Ladies, part 2	P08	012	400602	Broadway Musicals VI	J. Lawrence Cook
Musicals	Les Miserables	P08	013	400603	Broadway Musicals VII	Rudy Martin
Musicals	I Love My Wife	P08	014	400603	Broadway Musicals VII	Bob Berkman
Musicals	Gypsy, part 1	P08	015	400604	Broadway Musicals VIII	Brian A. Williams
Musicals	Gypsy, part 2	P08	016	400604	Broadway Musicals VIII	Brian A. Williams
Musicals	As Long As He Needs Me	P08	017	801241	Broadway Revisited	Joe Brancato
Musicals	If Ever I Would Leave You	P08	018	801241	Broadway Revisited	Joe Brancato
Musicals	On Golden Pond	P08	019	802009	Now Playing	Michael T. Jones
Musicals	New Hampshire Hornpipe	P08	020	802009	Now Playing	Michael T. Jones
Musicals	Manhattan	P08	021	801256	Rodgers & Hart on Broadway	Larry Kass
Musicals	My Heart Stood Still	P08	022	801256	Rodgers & Hart on Broadway	Larry Kass
Musicals	It's A Grand Night For Singing	P08	023	801270	Some Enchanted Evenings	Larry Kass
Musicals	It Might As Well Be Spring	P08	024	801270	Some Enchanted Evenings	Larry Kass
Musicals	The Phantom of the Opera	P08	025	801215	Phantom/Les Miserables	Ken Kaufman
Musicals	Masquerade	P08	026	801215	Phantom/Les Miserables	Ken Kaufman
New Age	If You Believe	P09	001	801236	New Age Sampler	C. T. Sierzchula
New Age	The Gift	P09	002	801236	New Age Sampler	C. T. Sierzchula
New Age	Who Is It?	P09	003	801213	Suite In A-440	Richard Salamone
New Age	Niteflite	P09	004	801213	Suite In A-440	Richard Salamone
Nostalgic	All I Do Is Dream Of You	P10	001	400503	Fabulous Thirties I	J. Lawrence Cook
Nostalgic	Brother Can You Spare A Dime	P10	002	400503	Fabulous Thirties I	J. Lawrence Cook
Nostalgic	Get Happy	P10	003	400702	Fabulous Thirties II	J. Lawrence Cook
Nostalgic	That Old Feeling	P10	004	400702	Fabulous Thirties II	J. Lawrence Cook
Nostalgic	Paper Moon	P10	005	400902	Fabulous Thirties III	J. Lawrence Cook
Nostalgic	Moonglow	P10	006	400902	Fabulous Thirties III	J. Lawrence Cook
Nostalgic	Benny Goodman Medley	P10	007	400504	Forties Big Band	J. Lawrence Cook
Nostalgic	Tommy Dorsey Medley	P10	008	400504	Forties Big Band	J. Lawrence Cook
Nostalgic	Sweet And Low Down	P10	009	801214	Gershwin Plays	George Gershwin
Nostalgic	So Am I	P10	010	801214	Gershwin Plays	George Gershwin
Nostalgic	The Entertainer	P10	011	400201	Mega Hits/Golden Oldies	Oakes & Williams
Nostalgic	Irving Berlin Medley	P10	012	400201	Mega Hits/Golden Oldies	J. Lawrence Cook
Nostalgic	Love Makes The World Go Round	P10	013	401001	Hits of the 60s	J. Lawrence Cook
Nostalgic	The Twist	P10	014	401001	Hits of the 60s	J. Lawrence Cook
Nostalgic	Polka Medley	P10	015	400203	All Time Greatest Hits	J. Lawrence Cook
Nostalgic	In The Mood	P10	016	400203	All Time Greatest Hits	J. Lawrence Cook
Nostalgic	I Love Paris	P10	017	400904	More 50s Favorites	J. Lawrence Cook
Nostalgic	Young At Heart	P10	018	400904	More 50s Favorites	J. Lawrence Cook
Nostalgic	Stumbling	P10	019	400501	Roaring Twenties	Confrey, Arden &
Nostalgic	Five Foot Two, Eyes Of Blue	P10	020	400501	Roaring Twenties	J. Lawrence Cook
Nostalgic	Carolina In The Morning	P10	021	400701	Roaring Twenties II	Max Kortlander
Nostalgic	Moonlight and Roses	P10	022	400701	Roaring Twenties II	Osborne & Howe
Nostalgic	Hard-Hearted Hannah	P10	023	400901	Roaring Twenties III	Pete Wendling
Nostalgic	The Sheik of Araby	P10	024	400901	Roaring Twenties III	Zez Confrey
Nostalgic	The Trolley Song	P10	025	400703	Forties II	Frank Milne

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Nostalgic	I Don't Want To Walk Without You	P10	026	400703	Forties II	Frank Milne
Nostalgic	The Hut Sut Song	P10	027	400903	Forties III	J. Lawrence Cook
Nostalgic	Smoke Smoke Smoke	P10	028	400903	Forties III	J. Lawrence Cook
Nostalgic	Medley No. I	P10	029	801212	The Forties Hour	Emily Rose Shaffer
Nostalgic	Volare	P10	030	400704	Two Side of the 50s	J. Lawrence Cook
Nostalgic	Love And Marriage	P10	031	400704	Two Side of the 50s	J. Lawrence Cook
Popular	The Stranger	P11	001	802007	Billy Joel Hits vol. I	C. T. Sierzchula
Popular	Captain Jack	P11	002	802007	Billy Joel Hits vol. I	C. T. Sierzchula
Popular	Oops! I Did It Again	P11	003	840001	Britney Spears	C. T. Sierzchula
Popular	Always (Atlantic Star)	P11	004	400204	Contemporary Mega Hits	Rudy Martin
Popular	I Just Called To Say I Love You	P11	005	400204	Contemporary Mega Hits	Rudy Martin
Popular	Good-bye Yellow Brick Road	P11	006	401104	Easy Listening	Rudy Martin
Popular	Sad Songs	P11	007	401104	Easy Listening	Rudy Martin
Popular	Honky Cat	P11	008	80205	Elton John –Greatest Hits	C. T. Sierzchula
Popular	Border Song	P11	009	802005	Elton John –Greatest Hits	C. T. Sierzchula
Popular	Exodus	P11	010	400103	Ferrante & Teicher/Roger Williams	Ferrante & Teicher
Popular	Killing Me Softly With His Song	P11	011	400103	Ferrante & Teicher/Roger Williams	Roger Williams
Popular	Ooh! Look-a There, Ain't She Pretty	P11	012	801266	Get Happy	Larry Kass
Popular	Taking A Chance On Love	P11	013	801266	Get Happy	Larry Kass
Popular	Zing Went The Strings Of My Heart	P11	014	801266	Get Happy	Larry Kass
Popular	Where Everybody Knows Your Name (Cheers)	P11	015	401003	Hits of the 80s	Rudy Martin
Popular	Could I Have This Dance	P11	016	401003	Hits of the 80s	Rudy Martin
Popular	Afternoon Delight	P11	017	401002	Hits of the 70s	Rudy Martin
Popular	Bad Bad Leroy Brown	P11	018	401002	Hits of the 70s	Rudy Martin
Popular	Chances Are	P11	019	802008	Johnny Mathis	Michael T. Jones
Popular	It's Not For Me To Say	P11	020	802008	Johnny Mathis	Michael T. Jones
Popular	Bacharach Medley	P11	021	400101	Liberace – The Piano Rolls	Liberace
Popular	It's Impossible	P11	022	400101	Liberace – The Piano Rolls	Liberace
Popular	Smells Like Teen Spirit	P11	023	801251	More Than Titanic	Charles Czarnecki
Popular	Change The World	P11	024	801251	More Than Titanic	Charles Czarnecki
Popular	Who Wants To Live Forever	P11	025	801281	Romantic Popsongs	Jan Vayne
Popular	Angie	P11	026	801281	Romantic Popsongs	Jan Vayne
Popular	Do That To Me One More Time	P11	027	801277	That 80s Music	Richard Allen
Popular	Against All Odds	P11	028	801277	That 80s Music	Richard Allen
Popular	Penny Lane	P11	029	801237	Beatles Songbook	Ken Kaufman
Popular	Something	P11	030	801237	Beatles Songbook	Ken Kaufman
Popular	Ghostbusters Theme	P11	031	801287	The Frankenstein Way	C. T. Sierzchula
Popular	Addams Family Theme	P11	032	801287	The Frankenstein Way	Bob Berkman
Popular	The Way It Is	P11	033	801274	The Way It Is Now	Charles Czarnecki
Popular	Thank You	P11	034	801274	The Way It Is Now	Charles Czarnecki
Popular	God Bless America/America The Beautiful	P11	035	840002	United We Stand	Joe Augustine
Popular	What The World Needs Now	P11	036	801278	What The World Needs Now	Joe Augustine
Popular	Oh Happy Day	P11	037	801278	What The World Needs Now	Joe Augustine
Ragtime/Stride/Boogie	Eighteenth Street Strut	P12	001	400502	Fats Waller	Fats Waller
Ragtime/Stride/Boogie	If I Could Be With You	P12	002	400502	Fats Waller	Waller & Johnson
Ragtime/Stride/Boogie	When My Baby Smiles At Me	P12	003	401103	Fats Waller Encores	Waller (Cook)
Ragtime/Stride/Boogie	Basin Street Blues	P12	004	401103	Fats Waller Encores	Waller (Cook)
Ragtime/Stride/Boogie	Burton Lane Medley	P12	005	801230	Glamorous Night	Alex Hassan
Ragtime/Stride/Boogie	To Beat The Band	P12	006	801230	Glamorous Night	Alex Hassan
Ragtime/Stride/Boogie	Ivor Novello Medley	P12	007	801230	Glamorous Night	Alex Hassan
Ragtime/Stride/Boogie	The Tribute	P12	008	801284	Boogie Woogie Piano	Martijn Schok
Ragtime/Stride/Boogie	Straight Ahead	P12	009	801284	Boogie Woogie Piano	Martijn Schok
Ragtime/Stride/Boogie	Leola	P12	010	801240	Rags And Then Some	Bob Berkman
Ragtime/Stride/Boogie	Chemin de Fer (rag)	P12	011	801240	Rags And Then Some	Bob Berkman
Ragtime/Stride/Boogie	Chopsticks	P12	012	400102	Ragtimers On Parade	Jo Ann Castle
Ragtime/Stride/Boogie	Music, Music, Music	P12	013	400102	Ragtimers On Parade	Jo Ann Castle
Sacred	He Hideth My Soul	P13	001	802010	All The Day Long	Newell Oler
Sacred	Wonderful Words Of Life	P13	002	802010	All The Day Long	Newell Oler
Sacred	Morning Sun	P13	003	801260	Chapter And Verse	Joe Augustine
Sacred	Morning Has Broken	P13	004	801260	Chapter And Verse	Joe Augustine

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Sacred	Morning Has Broken	P13	004	801260	Chapter And Verse	Joe Augustine
Sacred	Battle Hymn/How Great Thou Art	P13	005	801246	Divine Devotions I	Bob Geresti
Sacred	Blessed Assurance	P13	006	801246	Divine Devotions I	Bob Geresti
Sacred	Jesus, The Very Thought Of You	P13	007	801276	Divine Devotions II	Bob Geresti
Sacred	Bringing In The Sheaves	P13	008	801276	Divine Devotions II	Bob Geresti
Sacred	Down By The Riverside	P13	009	801234	Sweet Hour of Gospel	Willie Simmonds
Sacred	Shall We Gather At The River	P13	010	801234	Sweet Hour of Gospel	Willie Simmonds
Concert Series	That Old Black Magic	P14	001	860075	Michael Civisca Live With The Trio	Michael Civisca
Concert Series	Memories Of You	P14	002	860064	Like Benny To Me	Sal Andolina - Clarinet
Concert Series	It's Too Late	P14	003	860079	Tapestry Rewoven	Ed Vodicka - Piano
Concert Series	Walkin' After Midnight	P14	004	860071	Country Love	Lisa Webb - Vocals
Concert Series	Semper Fedelis	P14	005	860031	Brass Americana	American Brass Band
Concert Series	Unforgettable	P14	006	860085	Remembering Nat King Cole	Dave Schiavone - Sax Joe Augustine Trio
Concert Series	Minuet (Boccherini)	P14	007	860021	Sunshine Quartet	Sunshine String Quartet
Concert Series	The Good Life	P14	008	860073	Yesterday Is Now	Josephine Beavers - Vocals
Concert Series	Moonlight Serenade	P14	009	860070	Swing - Then And Now	Joe Augustine Trio
Concert Series	Irlandaise	P14	010	860023	Suite For Flute & Jazz Piano (Bolling)	Suzanne Kirton - Flute
Concert Series	Moondance	P14	011	860065	Moondance	Matt Ferraro - Sax Joe Augustine Trio
Concert Series	Valentine	P14	012	860068	Timeless	Sharon Jones - Vocals
Concert Series	Pizzicato Polka	P14	013	860055	The Best Of Strauss	Barnabas Fekete with The People's Opera Orchestra of Vienna
Concert Series	Amazing Grace	P14	014	860086	Amazing Grace	Ed Vodicka - Piano
Concert Series	On The Street Where You Live	P14	015	860074	Let's Fall In Love	Ed Vodicka Trio
Concert Series	Presto, from Concert Piece No. 2 in D Minor (Mendelssohn)	P14	016	860028	The Art Of The Trio	Andolina, Lipsky & Hoca
Concert Series	The Rose	P14	017	860072	Caught Up In The Rapture	Lisa Webb - Vocals
Concert Series	Deed I Do	P14	018	860078	Campfire Music	Lobo Rangers

General MIDI Sound List

This is the list of voices available from the internal soundcard. The soundcard is used when playing MIDI files, written with orchestration, from a CompactFlash card or CDROM.

These voices can also be triggered from the optional record system.

General MIDI Sounds

Patch	Name	Patch	Name	Patch	Name	Patch	Name
1	Acoustic Grand Piano	33	Acoustic Bass	65	Soprano Sax	97	FX 1 (rain)
2	Bright Acoustic Piano	34	Electric Bass (finger)	66	Alto Sax	98	FX 2 (soundtrack)
3	Electric Grand Piano	35	Electric Bass (pick)	67	Tenor Sax	99	FX 3 (crystal)
4	Honky-tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX 4 (atmosphere)
5	Electric Piano 1	37	Slap Bass 1	69	Oboe	101	FX 5 (brightness)
6	Electric Piano 2	38	Slap Bass 2	70	English Horn	102	FX 6 (goblins)
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	FX 7 (echoes)
8	Clavi	40	Synth Bass 2	72	Clarinet	104	FX 8 (sci-fi)
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blow n Bottle	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Dulcimer	48	Timpani	80	Ocarina	112	Shanai
17	Draw bar Organ	49	String Ensemble 1	81	Lead 1 (square)	113	Tinkle Bell
18	Percussive Organ	50	String Ensemble 2	82	Lead 2 (saw tooth)	114	Agogo
19	Rock Organ	51	SynthStrings 1	83	Lead 3 (calliope)	115	Steel Drums
20	Church Organ	52	SynthStrings 2	84	Lead 4 (chiff)	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead 5 (charang)	117	Taiko Drum
22	Accordion	54	Voice Oohs	86	Lead 6 (voice)	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead 7 (fifths)	119	Synth Drum
24	Tango Accordion	56	Orchestra Hit	88	lead)	120	Reverse Cymbal
25	Acoustic Guitar (nylon)	57	Trumpet	89	Pad 1 (new age)	121	Guitar Fret Noise
26	Acoustic Guitar (steel)	58	Trombone	90	Pad 2 (warm)	122	Breath Noise
27	Electric Guitar (jazz)	59	Tuba	91	Pad 3 (polysynth)	123	Seashore
28	Electric Guitar (clean)	60	Muted Trumpet	92	Pad 4 (choir)	124	Bird Tweet
29	Electric Guitar (muted)	61	French Horn	93	Pad 5 (bowed)	125	Telephone Ring
30	Overdriven Guitar	62	Brass Section	94	Pad 6 (metallic)	126	Helicopter
31	Distortion Guitar	63	SynthBrass 1	95	Pad 7 (halo)	127	Applause
32	Guitar harmonics	64	SynthBrass 2	96	Pad 8 (sweep)	128	Gunshot

**PIANOMATION®
ELECTRONICS/ELECTROMECHANICAL SYSTEM
LIMITED WARRANTY**

PIANOMATION ELECTRONICS LIMITED WARRANTY

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

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

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

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

LIMITATION IN CONNECTION WITH OBSOLETE PRODUCTS

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

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

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

Exclusions

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

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

Owner's Responsibility

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

- 1) Retain your proof of purchase and purchase date and send in your Warranty Registration Card
- 2) Notify QRS or any authorized dealer of any warranty claim within ten (10) days after discovery and provide a detailed explanation of the problem.

General

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

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

INSTRUCTIONS FOR OBTAINING WARRANTY SERVICE


















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

Product Model # _____

Product Serial # _____

Date of purchase _____

Pianomation Accessories

Description	Catalog # Price		Description	Catalog # Price																			
Remote control USE: Controls the QRS 2000, 2000C, 2000CD & the Chili.	71398 \$53.00		Orchestrated Cable Pack USE: This pack is used for home hookups. It allows the customer to select between audio CDs and QRS CDs on their stereo amplifier.	70207 \$20.00																			
Self-Powered Speaker USE: This speaker mounts under the piano and amplifies the orchestrated music. Mounting Bracket included.	70040 \$350.00		Audio Cables Male to Male RCA USE: For connecting CD, Video & DVD Players to the QRS Player System.																				
Barcus Berry Piano Transducer USE: Picks up and amplifies the soundboard vibrations so that the piano can be heard through a speaker system.	70046 \$450.00		<table><tr><td>3ft</td><td>70133</td><td>\$6.00</td></tr><tr><td>6ft</td><td>70131</td><td>\$6.00</td></tr><tr><td>12ft</td><td>70134</td><td>\$6.00</td></tr><tr><td>20ft</td><td>70135</td><td>\$6.00</td></tr></table>	3ft	70133	\$6.00	6ft	70131	\$6.00	12ft	70134	\$6.00	20ft	70135	\$6.00								
3ft	70133	\$6.00																					
6ft	70131	\$6.00																					
12ft	70134	\$6.00																					
20ft	70135	\$6.00																					
Piano / Audio Mixer USE: Mixes the background music with the piano (with Barcus Berry). The output of the mixer is then sent to a sound system.	70530 \$150.00		Audio cables Twin Male RCA to RCA USE: For connecting CD, Video & DVD Players to QRS Player System. This is for both left and right channels.	70209 \$6.00																			
Grand Stop Rail The Grand piano stop rail is a physical device that blocks the hammers from striking the strings. Use: In conjunction with the Ancho's sound module and headphones so that you can practice without disturbing others.	56022 \$240.00		Audio Cable Splitter 1 Male to 2 Females: USE: For splitting the outputs of CD, Video & DVD players.	70213 \$6.00																			
Wireless Transmitter/Receiver USE: This unit is used for home hookups using the customer's CD player to send the signal to either the piano or the powered speaker. One PG14 Shure 50101 unit is needed for each channel used.	Shure 50101 \$560.00		Mini Stereo cable to Left & Right Male RCA USE: Plugs into a portable CD player and splits the cable into left & right male RCA connectors.	70367 \$8.00																			
Smart Switch USE: This device will automatically switch from several different sources (i.e., CD player, VCR, PC). Will also switch between audio CDs and Pianomation CDs.	78000 \$320.00		RCA Barrel Connector USE: Joins 2 male audio cables together.	70166 \$6.00																			
PC/Windows MIDI Interface USE: Connects to the USB of a PC and provides MIDI IN and MIDI OUT capabilities.	50123 \$220.00		MIDI Barrel Connector USE: Joins 2 MIDI cables together. This pack is used for home hookups. It allows the customer to select between audio CDs and QRS CDs on their stereo amplifier.	70158 \$6.00																			
PNOscan Optical Record System: MIDI interface for your acoustic piano Allows you to use your piano as a MIDI controller for recording or controlling a MIDI sequencer or computer.	79017 \$1,595.00		MIDI Cables USE: Generally used to connect PCs/ Floppy disc players to QRS Player System or Directly to the Pianomation MIDI Processor.																				
			<table><tr><td>1ft</td><td>70150</td><td>\$17.50</td></tr><tr><td>3ft</td><td>70151</td><td>\$17.50</td></tr><tr><td>5ft</td><td>70371</td><td>\$17.50</td></tr><tr><td>10ft</td><td>70152</td><td>\$23.40</td></tr><tr><td>20ft</td><td>70153</td><td>\$28.80</td></tr><tr><td>100ft</td><td>70155</td><td>\$72.00</td></tr></table>	1ft	70150	\$17.50	3ft	70151	\$17.50	5ft	70371	\$17.50	10ft	70152	\$23.40	20ft	70153	\$28.80	100ft	70155	\$72.00		
1ft	70150	\$17.50																					
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10ft	70152	\$23.40																					
20ft	70153	\$28.80																					
100ft	70155	\$72.00																					

Notes

Setup Menu Functions	Display	Defaults	Note Your Settings	Note Your Settings	Note Your Settings
Master Volume	MAIN-VOL	064			
Audio Volume	AUDIOVOL	+ 00			
Piano Volume	PIANOVOL	+ 00			
Headphone Volume	HPHN-VOL	063			
Tempo	TEMPO	100%			
Transpose	TRANSPOS	= 00			
Microphone Volume	MICROPHON	+ 0dB			
Stereo Balance	BALANCE	= 00			
Bass Volume	BASS	= 00			
Treble Volume	TREBLE	= 00			
Metronome Rate	METRONOM	065bpm			
Metronome Volume	METROVOL	Vo0 = Off			
MIDI Delay	MIDI-DLY	Pmation			
Pianomation Configuration	PM_CONFG	All_Piano			
Pianomation Test 2	PM_TAB02	-----	-----	-----	
Pianomation Test 11	PM_TAB11	-----	-----	-----	
Audio Configuration	AV_CONFG	Standard			
CompactFlash Utilities	C-FLASH	-----	-----	-----	
CD ROM Utilities	CD-ROM	-----	-----	-----	
Function Curves Access	F-CURVES	Disabled			
MIDI Input Select	FMIDI-SRC	RecStrip			
Time Signature	TIMESIGN	4/4			
Synthesized Piano Volume	PNOSYNTH	80			
Soundcard Output	SYNTHVOL	Maximum			
Main Audio Output	MAIN-OUT	Mono			
Exit the Setup Menu	EXIT	-----	-----	-----	

QRS Music Technologies, Inc.



For Technical Support Call 1-800-247-6557