

ENSEMBLE CD

USER'S GUIDE



pianoforce
www.pianoforce.com



bring your piano to life

Ensemble CD

User's Guide

Please take a few minutes to get familiar with your new Piano player system.

This guide contains important safety information.

Dealer:

Address:

Phone:

e-mail:

Installation date:

Technician :

Piano Model:

Installation notes:

Serial numbers :

Solenoid Controller:

CD player:

Power Supply:

Service Note :

Date:



PianoForce LLC.
Ensemble CD Mark II
PIANO PLAYER SYSTEM

Information contained within this guide covers the following hardware and firmware revisions:

CDP MkII Ensemble CD Player

Firmware revision main V3.32

Midi processor firmware revision V1.40

ECR1B Solenoid Rail controller

Hardware revision 2.0c

Firmware revision 2.84

EPSU1B-US Power supply unit

Specification:

Power requirements:	120V AC 400VA max.
Maximum switched output power :	250VA



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 PianoForce LLC. might void your compliance with FCC rules 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 compliance with FCC rules 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 Pianoforce LLC.

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 uninsulated “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 in-stalled 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.



This instrument is capable of producing extremely high volume levels. Adjust the MASTER VOLUME to the softest position before playing the piano. Gradually adjust the volume to suit your taste by adjusting the MASTER VOLUME while playing the instrument. You can damage your hearing by playing this instrument too loud. When using this instrument at high-volume levels, such as public performance, use appropriate ear protection.

WARNING: When using electric products, basic precautions should always be followed, including the following:

1. Read all instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.
3. Do not use this product near water -for example, near a bathtub, washbowl, kitchen sink, in a wet basement, near a swimming pool, or the like.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. This product should only be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should only be connected to the type of power supply described in the operating instructions or as marked on the product.
8. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
9. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
10. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
11. The product should be serviced by qualified service personnel when:
 - a) The power-supply cord or the plug has been damaged; or b) Objects have fallen, or liquid has been spilled into the product; or c) The product has been exposed to rain; or d) The product does not appear to operate normally or exhibits a major change in performance; or e) The product has been dropped, or the enclosure damaged.
12. Do not attempt to service the product beyond that described in the user maintenance instructions. There are no user serviceable parts inside of the *Ensemble CD* products. Opening enclosures or attempting to service may compromise the device safety and will void the warranty. All other servicing beyond that described in the user maintenance instructions should be referred to qualified service personnel.

SAVE THESE INSTRUCTIONS



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Congratulations on choosing the Pianoforce *Ensemble CD*, advanced player piano system. The *Ensemble CD* retrofit kit was designed to turn an acoustic piano into a state-of the art player piano. The system can be installed into almost any grand or upright piano, new or old.

Overview

Ensemble CD ensures that your piano will retain its original beauty and sound. The moment you insert a special CD into the almost invisible controller, *Ensemble CD* brings your piano magically alive. Enjoying piano music at its best is as close as the touch of a button. The easy to use remote control gives you the convenience you are accustomed to with your audio devices. Familiar controls like Play, Stop, Preset Volume and Track Select make this sophisticated system as easy to operate as your CD player.

Ensemble CD equipped player piano captures all the musical expressions of the original performing artist. Then *Ensemble CD* goes further, providing dazzling accompaniments recorded by orchestras and bands. Many of the CDs have vocal tracks recorded by noted artists. The expansive CD library will satisfy your every musical wish.

Choose a good location to prevent excessive internal heat buildup in the electronic components. Place the piano in a location with sufficient air circulation.

Do not install the piano:

- Near heat sources such as radiators or hot air ducts.
- In direct sunlight.
- In places where excessive dust, mechanical vibrations or shocks exist.

Precautions

Operate the unit only on 120 Volts AC, 60 Hz.

Unplug the unit from the wall outlet if it is not going to be used for an extended period of time.

NOTE: If the unit is plugged into an AC power source, it is still energized, even when the switch is off.

Mail in your registration

Please take a few moments right now to fill in and mail the Registration Card. Doing so will entitle you to full warranty protection, and enables us to better serve you, additionally you will receive free CDs library.

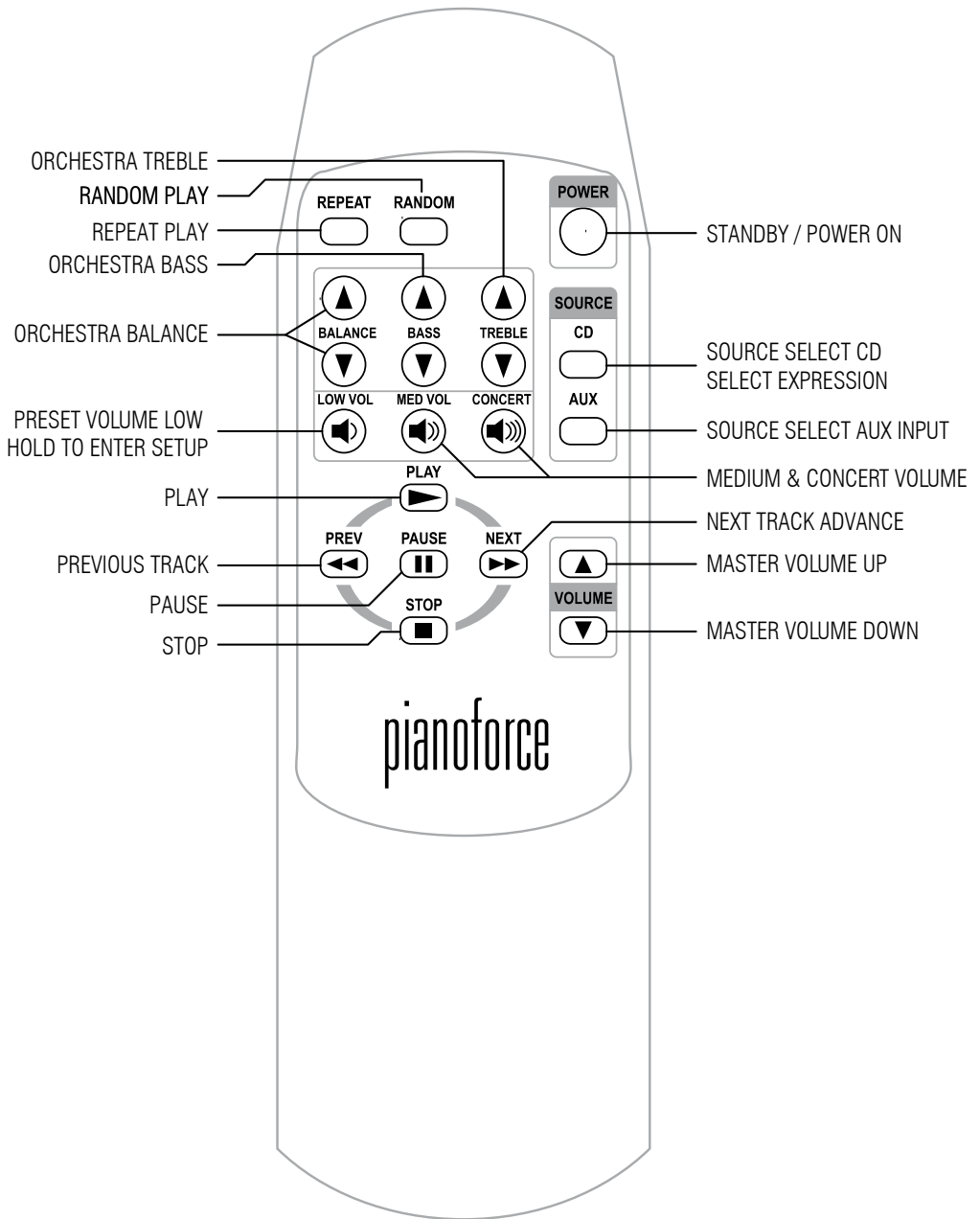
Review all safety information

Please review all care and safety information included in this manual. This includes information provided as part of compliance with UL and FCC standards.

Quick Start:

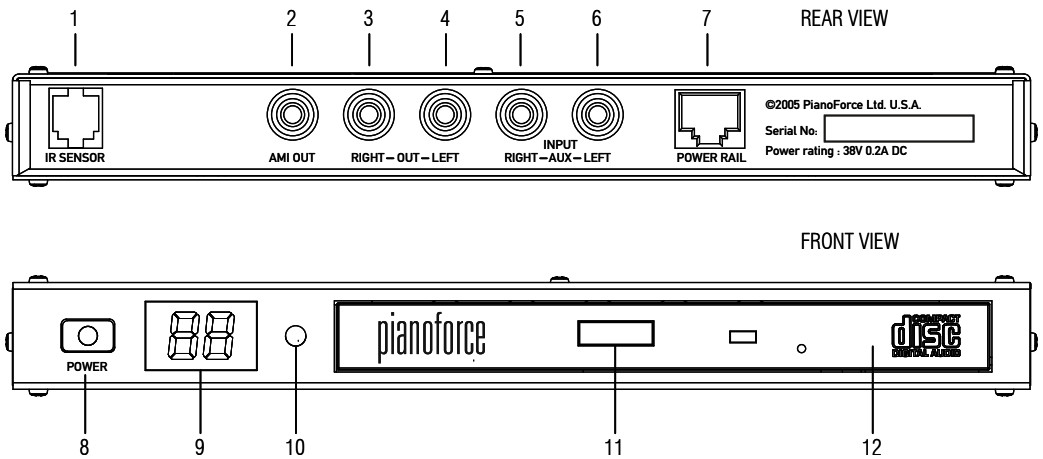
1. Turn ON Main Power Switch located on the Power Supply unit (see page 10 for location of the the Main Power switch, the Power Supply Unit is located under the piano)
2. Insert special Piano music CD to the CD player (see page 11 on how to insert the CD).
3. Piano will start play in a few moments.





The *Ensemble CD* remote controller is an infrared light device. The remote control operates best when you point it directly at the front of the *Ensemble CD* control unit, or at the external IR sensor. Battery: The remote controller's battery compartment contains 2 AAA type batteries.



**1 - EXTERNAL IR SENSOR**

External IR sensor connector.

2 - ANALOG MIDI OUT

Used to send a special analog MIDI signal to external device. This feature is not supported with current firmware.

3 & 4 - LINE OUTPUT RIGHT AND LEFT

Used to connect external amplifier and/or powered speakers to the *Ensemble CD*.

5 & 6 - LINE INPUT LEFT AND RIGHT

Used to connect an external audio source to the *Ensemble CD*.

7 - POWER RAIL CONNECTOR

Used to connect the Solenoid Controller Engine to the *Ensemble CD*.

8 - STANDBY/POWER BUTTON

Used to put the Ensemble CD to the standby mode or wake it up from the standby mode. If you would like to switch off the Ensemble CD entirely, please use the Main Power switch located on the Power Supply panel.

9 - LED DISPLAY

Displays CD track numbers and control functions.

10 - IR SENSOR

Remote controller sensor.

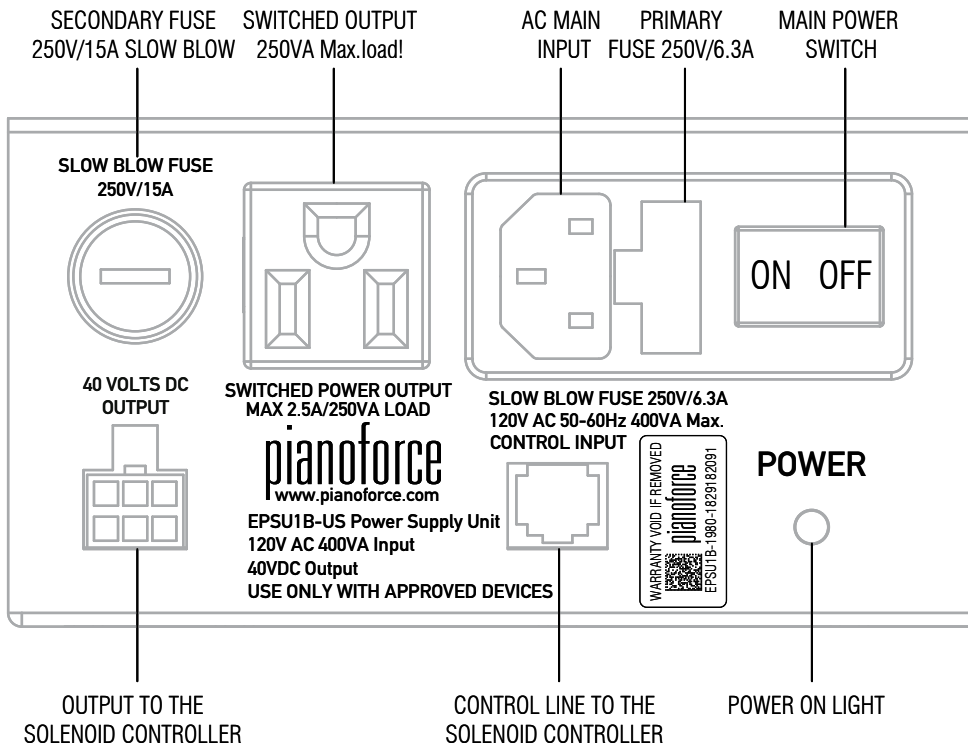
11 - DISC TRAY OPEN BUTTON

Used to open the CD Tray

12 - DISC TRAY

Used to hold the CD to be played.

Only use the cables supplied with the player system or the original replacement cables. Use of unauthorized cables may damage your player system and will void the warranty.



Important information :

ALWAYS use the fuses of the same rating.

ALWAYS turn OFF the Main Power switch and wait 45 seconds before connecting or disconnecting devices to the Power Supply, Solenoid Controller or the Ensemble CD player.

ALWAYS turn OFF the Main Power switch when Ensemble CD is not being used for a longer period of time.

NEVER connect or disconnect output to the solenoid controller while the Power on light is on. Always turn the Power supply OFF and wait at least 45 seconds before connecting or disconnecting output to the Solenoid Controller.

Never connect any other devices to the switched output than these installed by the qualified dealer.

Solenoid Controller:

Solenoid controller and solenoids assembly are located under the keybed in the separate cover. Do not attempt to remove the cover of the solenoid controller. There are no user serviceable parts in the area of the Solenoid Controller.

The *Ensemble CD's* CD drive is a precision component. The following pictures show how to correctly insert and remove the CDs.

TO INSERT THE CD:

1. Press the EJECT button to open CD tray:



2. Pull tray gently until it stops:



3. Place CD on tray by holding it as shown:



4. Snap CD carefully into secure position:



5. Push CD tray into the closed position:



TO REMOVE THE CD:

1. To remove CD, press stop, then press EJECT:



2. Hold CD as shown below:



3. Use slight force to remove (un-snap) CD:



WARNING : NEVER TOUCH THE LENS OF THE CD OPTICAL SYSTEM!



In this section you will find functions that allow you to enjoy your new player piano system. You can turn the *Ensemble CD* ON and OFF using the remote control or by pressing the power ON/OFF button on the stationary controller. For the convenient operation of the *Ensemble CD* all other functions are accessed from the remote control.

Playback

If the system is turned ON while a CD is already in the CD player, *Ensemble CD* will briefly scan the CD and display the total number of song tracks.

For example if the CD contains 16 tracks, the display shows:



By pressing PLAY on the remote control *Ensemble CD* will play the first track.

The display shows:



The flashing dot is indicating playback mode:



Stop

To stop playback, press the STOP button on the remote control.

Display shows 5t (ST) for approximately 3 seconds:



Then the total number of tracks:



AutoPlay

Ensemble CD's remote provides complete and convenient control over all the functions. However, if for any reason the remote control cannot be used, the Auto Play function allows automatic playback. Every time the CD tray is opened, a CD is inserted and the tray is closed again, *Ensemble CD* automatically selects the first track and starts playback at medium preset volume level.

Pause

To pause the playback press PAUSE on the remote control.

The current track number will flash on the display until PAUSE or PLAY is pressed again.

Example of *flashing display*:



To resume playback, press PAUSE again or PLAY. Track selection — PREV (previous) and NEXT (next)



By pressing down the PREV (previous) or the NEXT (next) buttons, tracks can be selected in both STOP or PLAY mode. After the track is selected in STOP mode, press play. While in PLAY mode, the selected track will start playing automatically.

Display shows current track #:

Note: **##** corresponds to the track number.



Volume

Volume ▲ (UP) and ▼ (DOWN) control global volume settings of the piano and orchestral accompaniment. Pressing repeatedly ▲ or ▼ will increase or decrease the volume in increments.

Display shows:

Note: **H** corresponds to a volume level 0-9.



Note: Global volume, balance, bass and treble settings will be memorized when the system is turned OFF.

Volume profiles

Ensemble CD has two user adjustable, Low and Medium profiles and one fixed volume, Concert profile. Profiles can be used to quick recall of previously stored volume level by single touch of button.

Low Volume profile :



Low Volume profile can be recalled with button LOWVOL. When Low Volume profile is recalled, display reads main volume level with first letter 'L' ('L0' – 'L9') for 10 seconds long. When main volume or balance is adjusted in this mode, it will be stored after 10 seconds to Low profile, when no other button is pressed.

Medium Volume profile :



Medium Volume profile can be recalled with button MEDVOL. When medium Volume profile is recalled, display reads main volume level with first letter 'm' ('h0' – 'h9') for 10 seconds long. When main volume or balance is adjusted in this mode, it will be stored after 10 seconds to Medium profile, when no other button is pressed.

Concert Volume profile :



Concert Volume profile can be recalled with button CONCERT. When concert Volume profile is recalled, main volume is set to 7 and audio accompaniment balance is set to 9. Display reads 'Co' for 10 seconds long. Main volume or balance can be adjusted, but they will not be stored in Concert profile. This is fixed volume profile.

Profile defaults:

Factory default settings for profiles are Low volume 3, Medium volume 5, Concert volume 7. Audio accompaniment balance is initialized on device power up in all presets to 9 (maximum).



The mute function allows the user to turn off the player piano while the accompaniment is playing. Piano Mute is also useful to play along with the accompaniment tracks - like Music Minus One. To mute the piano press the LOWVOL (low volume preset) twice within three seconds.

The display shows:



To disengage Piano Mute press LOW VOL (low volume preset) twice within three seconds.

Balance

BALANCE ▲ and ▼ will increase or decrease the accompaniment volume level.

When BALANCE ▲ or ▼ is pressed the display shows:

Note: H corresponds to the accompaniment volume.



Bass and Treble Controls

BASS and TREBLE ▲ or ▼ will change the tone of the accompaniment track by increasing or decreasing the bass and treble levels.

When BASS and TREBLE ▲ or ▼ buttons are pressed the display shows:



bass level adjustment



trebles level adjustment

Note: H corresponds to the relative level setting.

Note: BALANCE, BASS and TREBLE level numbers (H) correspond as follows:

4	default (center) setting
5-8	increase
3-0	decrease

For best results set the VOLUME control on the amplified speaker to 75%, and the BASS and TREBLE controls to center.

Source Select

Ensemble CD will automatically recognize the recording format of the inserted CD. When **1** source is being detected the display shows:



for 1 second, followed by the current track number.


1 corresponds to the piano CD recording format 1.


When **2** source is being detected the display shows:



for 1 second, followed by the current track number.



 Corresponds to the piano CD recording format 2.

 Corresponds to the piano CD recording format 3.

Note: Player piano CDs are special CDs, standard audio CDs will not activate the player mechanism.

Press **AUX** once to select AUX1 source mode. The display shows:



AUX1 selection allows you to play external Audio sources connected via the Auxilliary input such as a multi CD changer, VCR, DVD or Video CD player.

Pressing the **AUX** button again will select the AUX2 input mode.

The display shows:

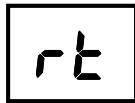


AUX2 mode - allows you to play piano CD format 1 CDs connected via the Auxiliary input such as a multi CD changer, VCR, DVD or Video CD player.

Repeat

Pressing the **Repeat** button once will repeat the current song.

The display shows:



briefly, then displays the track #:



Pressing the **Repeat** button again will repeat the current CD from the beginning to the end.

The display shows:



briefly, then displays the track #:



Repeat play can be stopped by pressing the **STOP** or **PAUSE** button.

Random

Random or shuffle play will randomly select and play selections from the current CD. By pressing the Stop button followed with the Random button on the remote control, each track on the current CD will be played in random order once. After all the songs are played, *Ensemble CD* will go into Stop mode.

The display shows:



briefly, then displays the track #:



Repeat functions also can be used while in random mode. Pressing the Random button followed by the Repeat will engage a non-stop random playback mode in which songs are played and repeated infinitely. Pressing Stop or Pause will cancel the Random mode.



Standard audio CD playback

Standard audio CDs will be automatically recognized and played. Track selection, volume, bass and treble adjustments function as in normal playback mode.

Piano Playback Expression Level.

In order to accommodate for different expressions from various sources or to best suite your personal preferences, you can easily adjust the level of expression.

To see what piano expression is currently used, press button CD while playback.

Light expression :



Medium Expression :



Heavy expression :



Current expression selection remains displayed for 3 seconds.

To change current expression : press button CD while expression is displayed. CD Player select next available expression (*d 1, d2, d3, d 1, d2, d3...*).

Note: Piano expression remains stored between tracks and when CDs are exchanged. Piano expression is stored independently for each piano CD format.

Quick Calibration will perform Solenoids Controller Calibration to compensate for long term changes of the action and driving mechanism properties. This is in order to achieve the best possible piano reproduction performance. It is recommended to perform the Quick Calibration if your *Ensemble CD* has been not used for a long time. This fully automated process will take about 3 minutes and requires quiet environment.

During the process of calibration the Solenoid Controller will play each note several times and the built in Digital Signal Processor will analyze the sound of each key and automatically adjust the driving parameters for best reproduction.

1. Ensure your piano is in a good shape, it is well tuned, action is regulated and each key plays properly when played by hand before proceeding with quick calibration.
2. **Before starting the Quick Calibration ensure a quiet environment around the piano. The piano quick calibration will take about 3 minutes, and during this time you must ensure surroundings will be quiet. Turn off all electrical appliances, Air Conditioning etc., do not talk. Do not open or close the doors to the room while the calibration is in a progress.**

3. Press and hold LOWVOL button for about 5 seconds until you see (CQ) :



You might have to press NEXT button several times later on to see the ϵ^9 message.

4. Press Play button to start the calibration process.

When calibration is in progress, display shows alternated between ϵ^9 (CQ) and HH, where HH is current calibration progress (00-99):



alternating with :



Pausing the Quick Calibration process :

You can pause the calibration anytime using the PLAY button on the remote controller and continue later when convenient by pressing the PLAY button again.

Stopping and exiting the Quick Calibration process :

You can stop and exit the Quick Calibration process anytime pressing the STOP button on the remote controller, doing this before calibration is finished will cancel new calibration data and new calibration will be not applied.

Note: When quick calibration is finished, display shows number of total CD tracks and it is ready to start playing the CD. If the CD is not inserted -- is shown on the display.



Advanced Calibration will perform precise Solenoids Controller Calibration to compensate for long term changes of the action and driving mechanism properties in order to achieve the best possible piano reproduction performance. It is recommended to perform the Advanced Calibration from time to time, usually once a year or after the piano action has been regulated. Consult you dealer if you are not sure when to proceed with the Advanced Calibration. This fully automated process will take about 45 minutes and requires quiet environment.

During the process of calibration Solenoid Controller will play each note several times and build in Digital Signal Processor will analyze the sound of each key and automatically adjust the driving parameters for best reproduction.

1. Ensure your piano is in a good shape, it is well tuned, action is regulated and each key plays properly when played by hand before proceeding with Advanced Calibration.
2. **Before starting the Advanced Calibration ensure a quiet environment around the piano that will last at least for the next 45 minutes. Advanced Calibration process will take about 45 minutes, and during this time you must ensure surroundings will be quiet. Turn off all electrical appliances, Air Conditioning etc., do not talk nearby the piano.**

3. Press and hold LOWVOL button for about 5 seconds until you see (CQ):



4. Press NEXT once or several more times until you see (CA)



5. Press Play button to start the calibration process.

When calibration is in progress, display shows alternating between CA and HH, where HH is current calibration progress (00-99):



alternating with :



Pausing the Advanced Calibration process :

You can pause the Advanced Calibration anytime using the PLAY button on the remote controller and continue later when convenient by pressing of the PLAY button again.

Stopping and exiting the Advanced Calibration process :

You can stop and exit the Advanced Calibration process anytime pressing the STOP button on the remote controller, doing this before calibration is finished will cancel new calibration data and new calibration will be not applied.

Note: When quick calibration is finished, display shows number of total CD tracks and it is ready to start playing the CD. If the CD is not inserted -- is shown on the display.



How to Identify current versions of firmware:










You may be asked by the technical support or piano technician to identify the version of your Ensemble CD firmware.

To identify installed firmware please follow these instructions:

1. If your *Ensemble CD* main power switch is turned ON, turn it OFF first and wait 30 seconds.
2. Turn ON *Ensemble CD* main power switch.
3. Observe and note the Power ON sequence of the digits on the *Ensemble CD* display

This sequence will begin to display immediately after turning the Power supply on. It is recommended to have pencil and paper handy to note the sequence of the digits.

The Power ON Display sequence of the digits translates to the firmware version as following:

1.  - Optionally this shortly appears right after the Power ON
2.  - Acoustic Piano CD Player
3.  - First digit of CD player Main controller firmware version, (M) 7 in this example
4.  - Second two digits of CD player Main controller firmware, 26 in this example
5.  - MIDI processor header (Ad)
6.  - Second two digits of MIDI processor firmware, 34 in this example
7.  - Solenoid rail controller firmware version first digit, (0) 1 in this example
8.  - Solenoid rail controller firmware version second two digits, 42 in this example
9.  - End of Power ON Display sequence, the display test, all segments are enabled

The version of the firmware as per the example above is :

CD player main controller v 3.26





Midi processor : v34

Solenoid rail controller : v 1.42

To update the firmware:

If you received more than one upgrade CD from your dealer, always update the MIDI processor first (CD marked “MIDI Processor Firmware”). Update CD have only one track.

1. *Insert the update CD to the player.*

Track 1 will start to play and few moments later message  or  will appear. The update process will take about 25 minutes for the Solenoids Controller () or about 5 minutes for the Midi Controller (). When the update process is finished track 1 message will display.

Do not interrupt the process! Do not turn the piano OFF during the upgrade!



General Issues :

Player can not be turned ON using Power button on CD Player

Reason: Main Power switch on Power Supply Unit is turned OFF

Solution: Turn ON the Main Power switch

Reason: Power Supply Unit is not connected to the power line socket.

Solution: Ensure that Power Supply Unit power cable is connected to the power line socket.

Reason: Fuse on the Power Supply Unit is blown.

Solution: Turn ON the Main Power switch and check if red Power ON light on the Power Supply Unit is ON. If it is not, replace the primary 6.3A/250V Slow Blow fuse located under the plastic cover of the Power Switch assembly.

CD Player does not respond to the remote controller.

Reason: Batteries in the remote controller are weak.

Solution: Replace the batteries with the new ones. Please use two AAA size batteries.

Reason: The remote controller is not aimed towards the CD Player infrared sensor while control button is pressed.

Solution: When pressing buttons on remote controller - aim it towards the CD Player front panel.

Reason: The remote controller is too far from the CD Player.

Solution: When using remote controller - get closer to the CD Player.

Audio accompaniment can be heard, but piano is not playing.

Reason: CD used is an ordinary Audio-CD and it does not contain piano track.

Solution: Use piano CD containing the piano track.

Reason: Recent update of the Solenoid rail firmware failed or was interrupted.

Solution: Start the update of the Solenoid controller again with new update CD, avoid the interruption of the update process. Please note, that the update of the Solenoid rail controller firmware will take almost 25 minutes.

Playback Problems:

Piano playback expression is low.

Reason: Low playback volume on certain third party recordings

Solution: Increase the playback volume. You can expect the best expression similar to the live performance at the volume level 7.

Reason: High playback volume

Solution : Decrease playback volume. You can expect the best expression similar to the live performance at the volume level 7.



Reason: Low playback expression is set on player

Solution: Select the playback expression by repeated pressing of button CD. Display reads current expression as 'd 1' or 'd2' or 'd3'. Higher numbers represents more pronounced expression.

Piano playback expression is too high.

Reason: Expression level set too high

Solution: Select lower playback expression by repeated pressing of button CD. Display reads current expression as 'd 1' or 'd2' or 'd3'. Smaller number represents lower expression.

Some keys plays louder or softer than they should.

Reason: Mechanical properties of the piano action are changing over the time, these changes shall be compensated by re-calibration.

Solution: Perform quick or advanced calibration, see page 17 and 18.

Ensemble CD reports 'FR' '05' during calibration.

Reason: Environmental acoustic noise too high. Calibration is not possible until noise level is reduced to the acceptable level.

Solution: Ensure quite environment. Restart calibration by pressing STOP button and start it again when the environment is quiet. In order to achieve best results it is recommended to ensure quiet environment during the calibration process. If there is an intermittent noise present, you may pause the calibration process by pressing of the PLAY button and resume it later by repeated pressing of the PLAY button.

Ensemble CD reports 'FR' '0' during calibration.

Reason: Environmental acoustic noise too high. The calibration results may be not perfect.

Solution: In order to achieve best results it is recommended to ensure quiet environment during the calibration process. If there is an intermittent noise present, you may pause the calibration process by pressing of the PLAY button and resume it later by repeated pressing of the PLAY button.

Ensemble CD reports 'FR' followed by other number then 05 or 0.

Reason : Other problem, see the page 22 for list of errors.

Solution: Contact your dealer or piano technician.

Ensemble CD reports "FR" message.

Reason: Solenoid Controller detected internal problem.

Solution: Note the numbers reported and contact your dealer or piano technician.

Note: each 'FR' message may be cleared from the display by pressing of the STOP button on remote controller, please note, that there may be several different messages in the que.



Problems may be reported during the calibration process, after Power ON or during normal operation. Most of error shows on display of *Ensemble CD* as alternating of letters 'FR', error number, for some errors also error the detail number.

E.g. message sequence 'FR' '01' '35' during calibration translates: *FR* failure, error 01 - key is not playing, and the last number in this sequence 35 is number of key. When error is being reported on display, pressing STOP button will clear this error from display. When the new error occurs while previous is being still displayed – display will show the last one error. You can clear them all one by one with repeated pressing of the STOP button. Always remember to make a note of the sequence displayed for the eventual report to the piano technician before clear them off the display.

Error report numbers :

- 01

Key is not playing.

Number, following the 01 is number of key (05-84)

Report this problem to your dealer or piano technician.
- 02

Sensor strip amplifier failure.

Check if the calibration sensor is connected. If it will not resolve the problem, report this problem to your dealer or piano technician.
- 03

EEPROM initialization failure.

Report this problem to your dealer or piano technician.
- 04

EEPROM checksum is not valid.

Report this problem to your dealer or piano technician.
- 05

EEPROM data are corrupted.

Report this problem to your dealer or piano technician.
- 06

Environment noise level is too high during calibration.

Ensure quiet environment, re-start or pause the calibration.
- 07

Sustain pedal failure. Following with numbers 01 or 02

Report this problem to your dealer.
- 08

Key solenoid short-circuit detected.

Report this problem to your dealer or piano technician.
- 09

Internal Error.

Report this problem to your dealer or piano technician.
- 10

Warning: Environment noise is high during calibration.

Results of the calibration may be not perfect. Ensure quiet environment during the calibration process. Turn off all sources of noise like electrical appliances, Air Conditioning etc.
- 15

Unspecified failure.

Report this problem to your dealer or piano technician.



Pianoforce LLC. warrants Ensemble CD products to be free of manufacturing defects in material or workmanship as described below:

If your Ensemble CD product should prove defective in material or workmanship within five (5) years from the date of purchase, manufacturer will provide replacement parts without charge, upon verification and presentation of satisfactory proof of purchase.

Pianoforce LLC. will provide, or arrange for, service (labor) to correct defects in workmanship for a period of two (2) years at no cost.

This warranty does not apply to defects resulting from abuse, neglect, accident, improper repair, modification or unreasonable use of the unit resulting in cracked or broken case parts or units damaged by excessive heat or humidity.

This warranty also does not cover routine tuning or adjustments required because of normal use and wear or damage caused by any repair or service by anyone other than a Ensemble dealer.

This warranty, and the extend of the responsibility of the Pianoforce LLC. hereunder, are subject to the following conditions and limitations:

This warranty is non-transferable and extends only in favor of the original owner and shall be valid only if the product is purchased from an authorized Ensemble CD dealer and remains in the possession of the original owner. It is the owner's responsibility to establish the date and place of purchase.

This warranty is void if any of the serial number or warranty label has been altered or removed, if the product is modified in any manner which Pianoforce LLC. concludes, after inspection, affects the reliability of the product, if the product has been repaired or serviced by anyone other than an authorised service center or if the product is damaged because of improper operation and/or maintenance in accordance with the owner's manual.

Manufacturer reserves the right to make changes in design and/or improvements upon it's products without obligation to include these changes in any products previously manufactured.

Except to the extent prohibited by applicable law, all implied warranties made by Pianoforce LLC. in connection with this product are limited in duration to the applicable warranty period set forth before, and no warranties, whether expressed or implied, including warranties of MERCHANTABILITY or fitness for particular purposes, shall apply to this product after said has expired. The consumer's sole remedy shall be such replacement of defective parts as is expressly provided above; and under no circumstances shall manufacturer be liable for any special, incidental, or consequential loss or damage. Some states do not allow limitations on how long an implied warranty lasts or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

This warranty is the only one you will receive and no other warranty is made to you. Manufacturer does not authorize any person to modify, either orally or in writing, the terms of this warranty.

To obtain warranty service for your *Ensemble CD* product:

1. Contact the *Ensemble CD* dealer from whom you purchased the product, or the nearest authorized dealer.
2. If no dealer is near you, call PianoForce LLC. at 813-631-8888
3. Do not attempt to service the product beyond that described in the user maintenance instructions. There are no user serviceable parts inside of the *Ensemble CD* products. Opening enclosures or attempting to service may compromise the device safety and will void the warranty. Removing or tampering Warranty labels will void the warranty. Do not ship the product without prior written authorization from the Pianoforce LLC.
4. Do not dispose of this warranty after it expires. In the event your product requires service, these instructions should be helpful in enabling you to obtain proper service.

