

pianoforce PERFORMER

Owner's Guide



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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

Introduction

Welcome

Congratulations on choosing the Pianoforce Performance player piano system! A great advancement over player pianos of yesterday, the Pianoforce Performance sets several new standards for ease-of-use, versatility, convenience, and musical realism. Whether you want soft background music for conversation, the gentle mood created by an upbeat jazz trio, or a powerful symphonic experience, the Pianoforce Performance will accommodate you with years of unsurpassed musical enjoyment.

Overview

The Model Performer Pianoforce player piano system is a MIDI equipped music playback and record system (with record option) for acoustic pianos. MIDI is an acronym for Musical Instrument Digital Interface. It is a universal language adopted by the musical instrument manufacturers so various MIDI equipped devices can talk to each other. MIDI is a form of communication.

The Performance system has two main parts, the Stationary Controller (the central brain) and the solenoid rail (or engine). Notes or keys C1 to A8 on the piano have a corresponding solenoid.

The Performance system performs the MIDI messages sent from either the internal CD-ROM, Internal Library, or external USB device. A message received by the Performance prompts the key solenoid to rise, hitting the tail of the piano key. The associated hammer then precisely strikes the string, exactly duplicating manual playing.

Choosing 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 sun light.
- In places where excessive dust, mechanical vibration or shocks exist.

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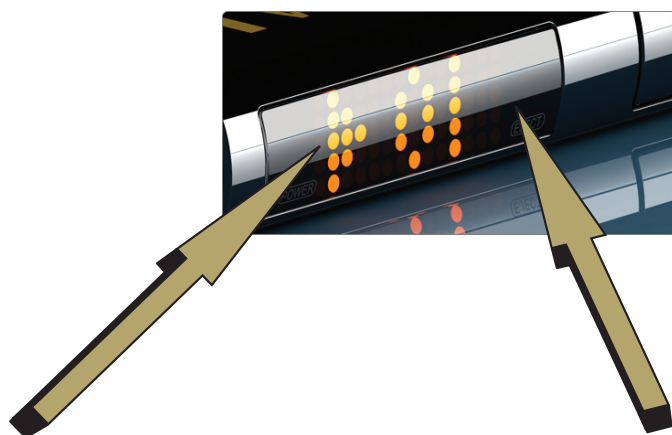
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In order to start operating your Pianoforce Performer, first:

Make sure that the power cord is connected to a wall outlet (110V).
Turn on the power supply mounted under the piano.

Performance will now go through a 60 second “self check” process.
Now we are ready to use all the features of the Pianoforce player system.

HOW TO TURN THE CONTROL UNIT (PERFORMANCE) ON and OFF:



The left sensor near the edge of the display is for ON/OFF (the same function can also be performed by using the remote Power button)

The right sensor near the edge of the display is for the CD Eject function. (Can be also performed using the remote’s Eject button).

Move your finger close to one of the sensors (no need to touch the display), and hold it there until the function becomes active. Display will show ON or OFF or the CD tray will open.

GETTING STARTED

Now that you have your player system turned on, you want to enjoy it as soon as possible!
Just a few moments and you will hear your piano playing by itself and even accompanied by audio tracks.

WHAT MEDIA TO PLAY?

The Pianoforce PERFORMER plays music from several different sources and multiple formats:

- INTERNAL LIBRARIES: (MIDI, Wave, Compressed audio, Multiple Player Piano CD formats)
- PLAYER PIANO CDs: (Yamaha Pianosoftware Plus™, QRS Pianomation™, Pianoforce WAVE+MIDI CD, Webonlypiano CD, Data CD)
- USB: Wave, Wave+MIDI, MIDI, OGG, OGG+MIDI, WPD (Pianodisc™ wav track), WPM (Pianomation™ wav tracks), WDK (Yamaha Disklavier™ wave track)

LET THE MUSIC (YOUR PIANO) PLAY!

SELECT A SOURCE

To select a source press the corresponding button on the IR (Infrared) remote. First, try a CD.

The diagram shows a pianoforce IR remote control with the following buttons and sections:

- Top Section:** HELP, POWER, REPEAT, RANDOM, SERVICE, INET, PAN., TONE, EXPRESSION (with up/down arrows), TEMPO (with left/right arrows), TRANSPOSE (with left/right arrows), SPLIT PLAY (L, R), SPLIT NOTE (with left/right arrows).
- Middle Section:** SONG, COPY, RENAME, DELETE, ADD PL, SOURCE (CD, USB, LIB, ALL), ACCOMPANIMENT (-, +), EXIT, PLAY, MENU.
- Bottom Section:** ADJUST (-, +), MUTE (with X icon), STOP, NO (with square icon), OPT., 1, 2, REC 3, 4, 5, DISP 6, A 7, B 8, 9, ALBUM, -, +, 0, # 00.

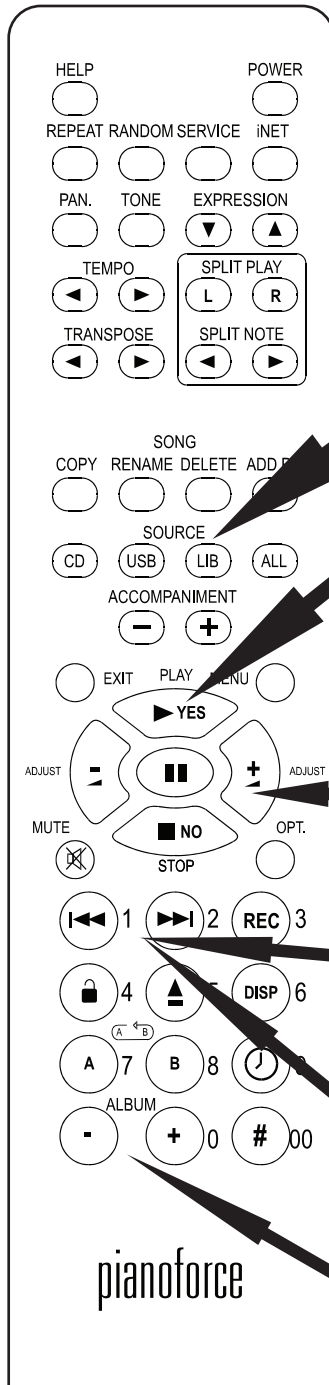
Five numbered instructions with arrows pointing to the remote:

1. Insert a player piano CD into the CD drive and press the CD button
2. Press YES to start the playback
3. Adjust the Volume and accompaniment
4. Select a different track
5. Press NO to stop the playback

A detailed inset of the bottom section of the remote is shown, with an arrow pointing to the NO button.

pianoforce

DISCOVER THE INTERNAL LIBRARIES



The Pianoforce Performer comes with pre-loaded music libraries.

To select one of the internal libraries
Press the LIB (Library) button

The display shows current album (ex. CLASSICAL VOL 1)

If you want to listen to music from the CLASSICAL VOL 1 library, press YES

The display shows MIDI Demo

Press YES

The display shows the first song in the Library

Press YES - piano starts to play

To select a different library press the LIB (Library) button again

Press the + and - buttons to scroll through the libraries

Press YES to activate the library

Press the PREVIOUS or NEXT button to select an album

Press YES

Display shows the first song in the album

Press YES - Piano will start to play

To select or play another song press the NEXT or PREVIOUS button

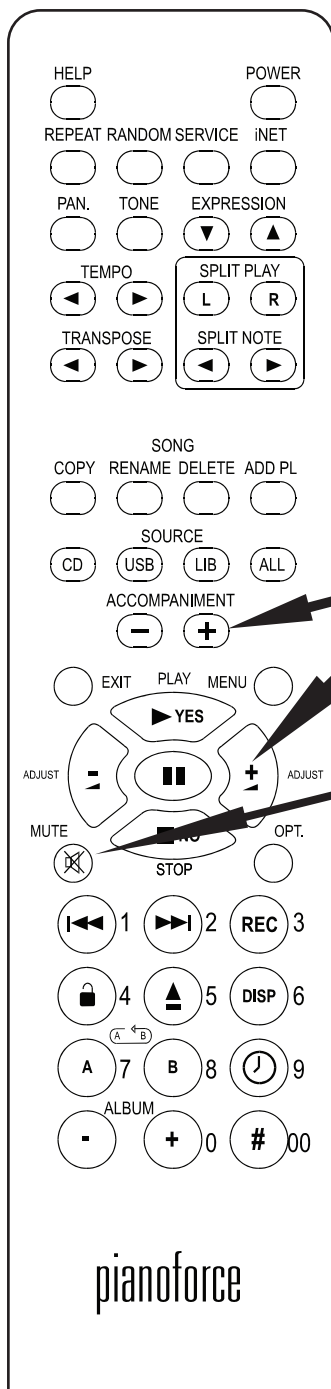
To stop the playback, press the NO button

When an album is selected from the internal library, these buttons can also be used to go to the previous or next album.

HOW TO ADJUST THE VOLUME AND BALANCE

There are two volume controls available: The Master Volume (+ - ADJUST) control the global volume of the piano and orchestral accompaniment while the Accompaniment (+ -) buttons adjust the balance between the piano and background music.

The master volume controls how hard or soft the hammers strike the piano strings (128 levels), while the Accompaniment controls the audio output to the speakers.



Press the Adjust + - buttons to increase or decrease the global volume (piano and accompaniment - if available). The level ranges from 1-30. NOTE: The lowest piano volume level is 1.

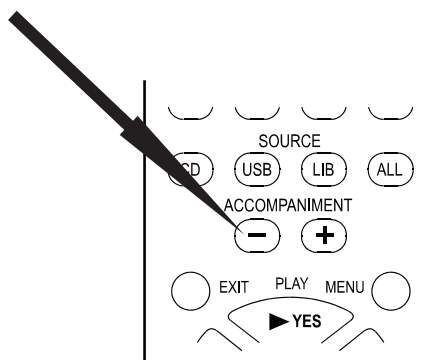
If you want to turn off the piano (and accompaniment) completely without interrupting the playback, use the MUTE button. interrupting the playback, use the MUTE button.

While the Master Volume is set to 1, it is possible to adjust the accompaniment level up or down in relation to the piano volume. Use the accompaniment + - buttons to adjust. Once the master volume is moved off of "1", the accompaniment will keep the same "balance" with the piano.

MUTE

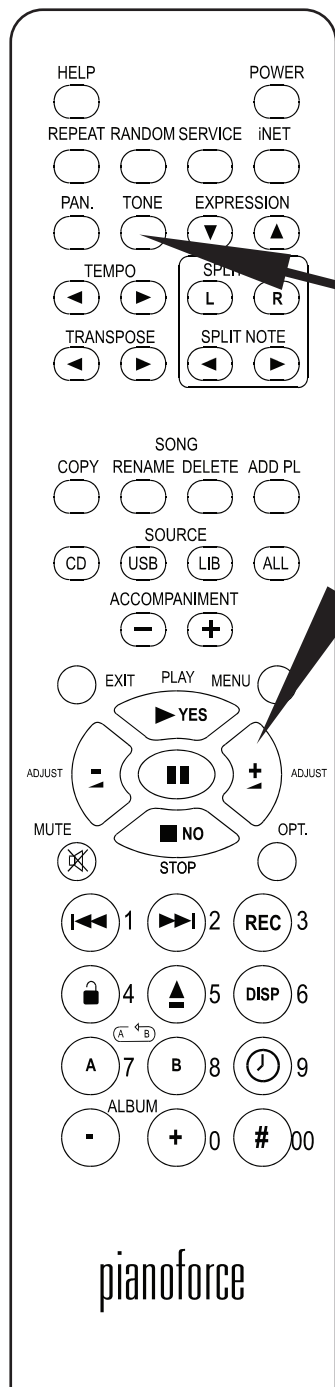
If the music has orchestral accompaniment and sometimes even vocal, you can adjust the balance between the piano and the audio tracks by pressing the ACCOMPANIMENT + - buttons.

The levels are 0 - 25 when the master volume is set to 1, or 0-42 when Master is 2 or higher.



TONE CONTROL, EXPRESSION and more

Performance plays your piano just like a pianist does. As keys are moving, the hammers are striking the strings with variable force (expression). The orchestral accompaniment is typically amplified by powered speakers under the piano. There are different brands of speakers used and performance and sound will vary accordingly. Recordings also represent a wide spectrum of sound especially in tone (treble, mid-range, and bass). In addition to the Balance control between the piano and the accompaniment, Performance also offers tone control, so you can adjust Treble and Bass to your liking.



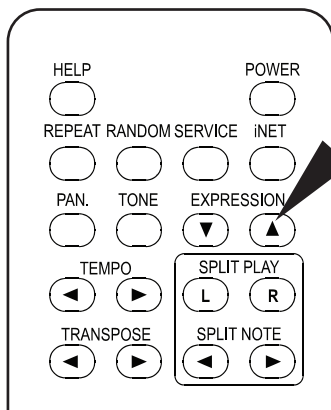
When first pressing the TONE button, the display shows Tx (x is the current boost or cut level of the Treble setting). To change the Treble setting use the ADJUST +/- buttons.

When the TONE button is pressed the second time, the display shows Bx (x is the current boost or cut level for the Bass level).

Use the ADJUST button to change the bass setting.

The Treble and Bass corrections of the digital accompaniment range from -18 to +18 dB.

EXPRESSION



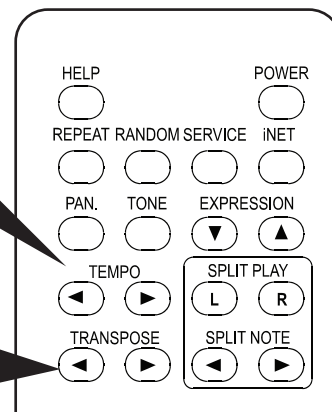
Performance plays multiple CD and other media formats. The piano expression level varies from different software manufacturers. The EXPRESSION buttons allows selection of SOFT, MEDIUM, or DEEP expressions. Deep is probably the best for classical piano music, soft if very quiet playback is desired, and medium for pop, jazz, and easy listening music.

TEMPO

TEMPO buttons can change the playback tempo by +/- 50% of some playback formats such as MIDI.

TRANSPOSE

It is possible to transpose some playback formats by +/- 2 octaves



HELP

Pressing the HELP button followed by another function button will display information, instruction, and help.

REPEAT

The REPEAT button toggles between three repeat options:
 No Repeat
 Single Song Repeat
 All Song Repeat

RANDOM

The RANDOM button toggles between normal and RANDOM. In this mode, Performer automatically selects songs in no particular order from the current source.

MENU

The MENU opens up the list of all available features.

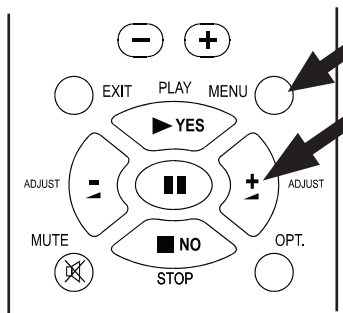
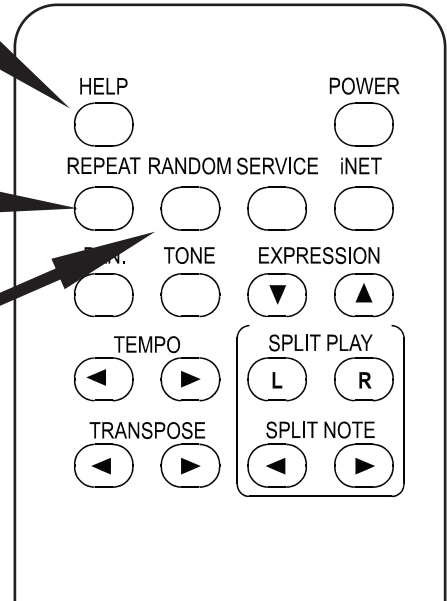
The main MENU items are:

SOURCE, AUDIO, PIANO, PLAYBACK OPTIONS, OPTIONS, SETUP, INET, ABOUT

You may want to discover the DISPLAY MENU first.

Using the MENU button followed by the ADJUST + - buttons you can select and adjust the:
 DISPLAY SCROLL SPEED
 LIGHT LEVEL
 FADE LEVEL
 FADE DELAY

You can also turn the touchless sensors ON and OFF



Push MENU, use the ADJUST + - buttons to select SETUP. Then press YES, use the ADJUST + - buttons to select DISPLAY SETUP. Press YES and adjust the parameters.

The dot matrix display will show the new setting.

For the complete MENU guide and all available Performance features, please refer to the owners manual or use the built in Help function.

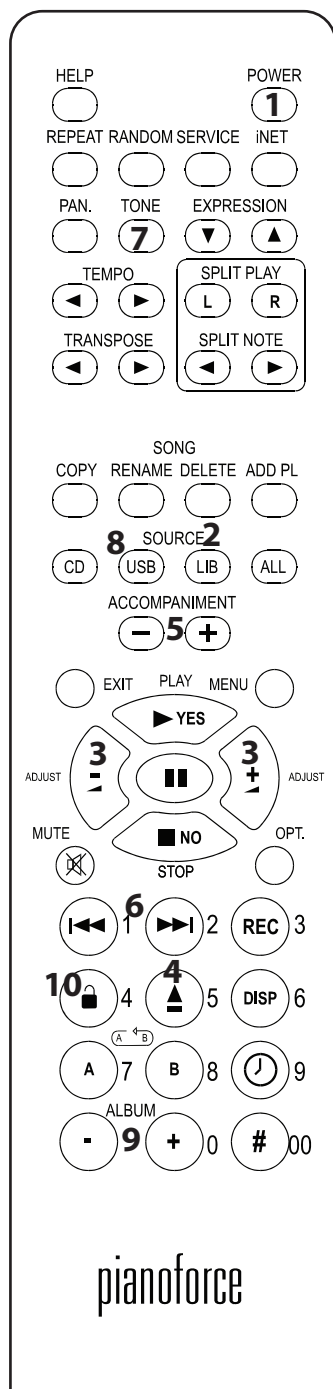
ATTENTION !

Your piano is shipped with internal music libraries. Some of the music is in LOCKED status. All the LOCKED songs will play a 30 second sampler and then stop. THIS IS NOT A FUNCTIONAL ERROR! You can unlock the album or the songs by purchasing a User Activation Code from Pianoforce. To order your activation code call Pianoforce at 813-631-8888; Ext 3.

ADDITIONAL FEATURES

Fast Forward and Rewind	Any song, MIDI, AMI or CD can be fast forwarded or rewound during playback by holding down the FWD or REW buttons
Help Button	Displays help and instruction for function buttons and menus
Display Light Adjustment	User programmable (display dimmer at selected delay time)
Firmware Update	It is possible to update the operating system via the Internet. Plug in an ethernet cable into the CD player, turn on your piano, and you will be notified if a newer version is available
Internal Library	99 groups available; each group can contain 999 albums and each album can contain 999 songs
Copy MIDI Files	It is possible to copy MIDI files from external media to the internal library
Naming	Song and CD name can be set and changed (Options/Rename/Album)
Synchronization	MIDI files can be synchronized to audio CDs
OGG Files	OGG compressed files are recognized
OGG Auto Compression	AMI, Audio CD, or Wav file can be compressed to OGG format
AMI to MIDI Conversion	AMI signal can be converted to MIDI when copied from player piano audio CD (Song /Album/Copy)
Copy AMI CD	AMI CD can be copied to internal library as MIDI file and/or OGG file with autodetection of song accompaniment
Timer	Set daily wake up playback or snooze with selected album (clock/daily schedule)
Share Folder	Songs and albums can be shared with other players over the Internet
Tree Structure	Removable media (USB, Data CD) can be browsed in folders and sub-folders
A/B loop	Set repeat points for sections of MIDI songs
Numeric Song Selection	Select songs from remote by button #; type number of song

PERFORMER QUICK START



1 Turn the system ON/OFF by using the POWER button on the remote or move your finger close to the ON/OFF sensor.

NOTE: If the display does not light up, check if the power cord is plugged into the wall, and make sure that the power supply under the piano is turned on.

2 Press the LIB (Library) button. The display will show Classical. If you want to select a different library, use the ADJUST - + buttons **3**. When the library is selected press the YES (Green) button twice and the playback starts. Press NO (Red) to stop. Use the NEXT/PREV buttons **6** to select a different song.

*NOTE: The following libraries and albums are installed by the factory: **Classical, East-West, Jazz and Other(Inspirational/Latin/New Age)***

When playback starts, use the ADJUST - + buttons **3** to change the volume.

4 Press the EJECT button on the remote or move your finger to the sensor switch.

When the CD tray opens, insert a player piano CD into the tray and close it. WAIT a few seconds, then playback will start after the media is scanned. Use the ADJUST - + buttons **3** to change the global volume (piano and accompaniment). To change the balance between the piano and orchestra, use the ACCOMPANIMENT **5** buttons.

NOTE: For greater balance control set the global volume to M1 and then adjust the accompaniment P1-25.

6 Use the PREV and NEXT buttons to play a different track or library song.

7 To adjust the Treble and Bass of the accompaniment track using the tone button followed by ADJUST - + **3**. Adjustment T (Treble) and B (Bass) ranges from + - 1 to 18.

8 Press the USB button if you have a USB device (Jump Drive, Hard Disk or Floppy Drive) plugged into one of the 3 USB connectors on the back of the CD unit. After the media scan is completed press YES/PLAY to start the playback or to select a folder (album) if present. Use **6** the PREV and NEXT buttons to play a specific song.

NOTE: Before connecting any USB device, the system needs to be turned OFF.

9 Use the ALBUM buttons followed by YES/YES when in Library mode to quickly access other albums stored in the memory.

The Performer is shipped with complete piano accompaniment tracks for 28 selected commercial audio CDs (see STARS and TRACKS information).

The piano tracks are in “Locked” mode, but you can sample each song for 30 seconds.

To unlock:

1. Insert one of the CDs from the list (playback starts ins a few seconds)
2. Press the Unlock button on the remote **10**
3. Write down the Unlock Request Code displayed
4. Call 561-827-1916 or 877-542-8807 ext. 3 to purchase the Unlock Code
5. Enter the Unlock Code on your remote controller

NOTE: The CD serial number must match the one on the Stars and Track information sheet.

HOW TO UNLOCK ALBUM OR LIBRARY

Your piano is shipped with internal music libraries. Some of the music is in LOCKED status. All the LOCKED songs will play a 30 second sampler and then stop. THIS IS NOT A FUNCTIONAL ERROR! You can unlock the album or the songs by purchasing a User Activation Code from Pianoforce. To order your activation code call Pianoforce: 877-542-8807 ext. 3.

The UNLOCK process

Insert a CD or select a Library that is locked.
A song or library name will appear on the display - followed by LOCKED



Press the UNLOCK button on the remote controller

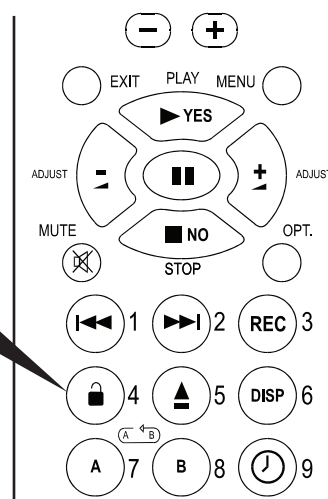
The display shows:

Album/Library is locked (or the lock icon and the first song title is displayed), followed by: "In the next step will be shown information you need to tell the operator when ordering.

Yes ...Order code: A-X-XXX"

Call Pianoforce 877-542-8807 with the order code. After purchasing the album or library you will receive an unlock code specific to your piano. Once you have the code, press YES. The display shows: "Enter Unlock Code". Use the numeric keys on the remote to enter the numbers. Be certain that the numbers you entered are correct before pressing YES!

Now you have unlocked the album or library. The unlock code will work only on your piano and the files are protected not to be copied from the USB ports.



COPY

There are several options to store and copy albums and songs. Here are just a few useful hints how to take advantage of the internal memory and external USB devices to build your own music libraries:

COPY SONG (MIDI FILE) FROM CD OR USB DEVICE

Be sure to turn power off before connecting USB device!

1. Insert the CD or connect a USB device containing MIDI files
2. Select the song you wish to copy (playback should be stopped before copy)
3. Press the COPY button
4. Select the destination library (or create a new one with the Add New Library function)
5. Press YES.

Copy process is done.

Now the MIDI file is copied into selected Library/Album.

HOW TO COPY PLAYER PIANO CDs or MIDI FILES to a USB

The Performer has three USB connectors. You can connect a Jump Drive, USB Hard Drive, or USB Floppy Drive to store a large collection of music. Only 1 USB Music storage device can work at a time. The system automatically defaults music storage to the first plugged in device, reserving the other ports for other options. IMPORTANT! Before you connect any USB device, turn off the Performer, connect the device, and power up.

WHAT CAN YOU STORE?

You can copy and store different format player piano CDs, MIDI files, and audio CDs.

HOW TO COPY

You will need a PC, USB device, and one of the following player piano CD, MIDI file, or Audio CD:

Yamaha Pianosoftware Plus CD

QRS Pianomation CD

Pianodisc Player Piano CD (prior to January 2006 release)

MIDI files copied to CD

Standard audio CD

PREPARE! If plan to use an external USB hard drive, the drive has to be formatted first. It is important that the hard drive is formatted with FAT 32 option and single partition. Since Windows may have a problem with formatting a hard disk in FAT 32 beyond 32 Gig, we have included the format option and strongly recommend using it instead of your computer.

1. To format a HD, turn off the Performance system (at the Power Supply) or unplug it
2. Connect the HD
3. Turn on the power and wait until the boot and self check is complete
4. Press MENU
5. Select item MEDIA, press YES
6. Select item USB Format, press YES

Confirmation question with default answer NO is displayed "All data from connected device will be erased during the format. Are you sure to proceed?"

7. Select item YES with button + (No changes to YES)
8. Confirm by pressing YES

Formatting is executed now - it can take about 5 minutes.

When the hard drive is formatted, turn off the Performer, disconnect the hard drive, then connect it to your PC. Insert a player piano CD into the CD drive and open your CD burner program (like Nero).

Select the Convert Audio CDs to Audio Files.

Select the Destination Location (the USB hard drive you just connected)

Output file format: PCM wav file

Frequency: 44100

Bits: 16

Channels: Stereo

Select the CD tracks you want to copy

Select: GO

After the song files are copied, you will need to change the file extensions as follows:

For Yamaha Piano Soft Plus change from; My Song.wav to My Song.wdk

For QRS Pianomation CD file from; My Song.wav to My Song.wpm

For Pianodisc Player Piano CD from; My Song.wav to My Song.wpd

For Audio CD or MIDI file; no extension change is needed

IMPORTANT!

Windows has the Auto-Hiding of known file extension.

TO RENAME THE FILE CORRECTLY YOU SHOULD FIRST TURN OFF AUTO-HIDING EXTENSION FEATURE IN WINDOWS:

1. Open the Windows menu
2. Select Tools
3. Choose Folder Options
4. Select View
5. Uncheck Hide extensions for known file types
6. Select OK/Apply

SONG FILES CAN BE IN ROOT POSITION OR IN FOLDERS. FOLDERS ARE RECOMENDED!

AFTER SONG FILES ARE COPIED AND RENAMED, BE SURE THAT THE HDD OR ANY USB DEVICE IS DISCONNECTED FROM THE PC CORRECTLY. USE "UNPLUG USB DEVICE" (green icon near the clock), BEFORE HDD IS PHYSICALLY DISCONNECTED. When this function is used - the system stores all unstored sectors onto disk.

HOW TO COPY MULTIPLE SONG FILES (MIDI) FROM CD OR USB DEVICE

1. Insert a CD containing MIDI files in to the tray or connect a USB device
2. Press the OPTION button
3. Select Copy Album
4. Select a destination library (My Songs is recommended)
5. Enter the name of the new album (for example My Songs)

To enter letters, numbers, or characters use the Adjust + - buttons. After the first character is entered, press the Next button to move the cursor.

6. When the new album name is entered, press the YES button.
7. Wait until copy is completed

To play songs from the new location, select:

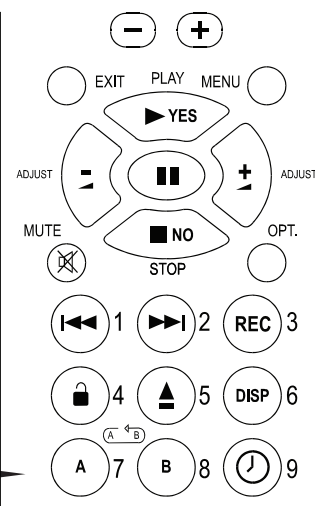
1. Library
2. My Songs
3. Press YES

A-B REPEAT

The A-B repeat function works only when playing MIDI files.

1. Start MIDI file
2. Press button A when the loop start point is reached
3. Press button B when loop end point is reached

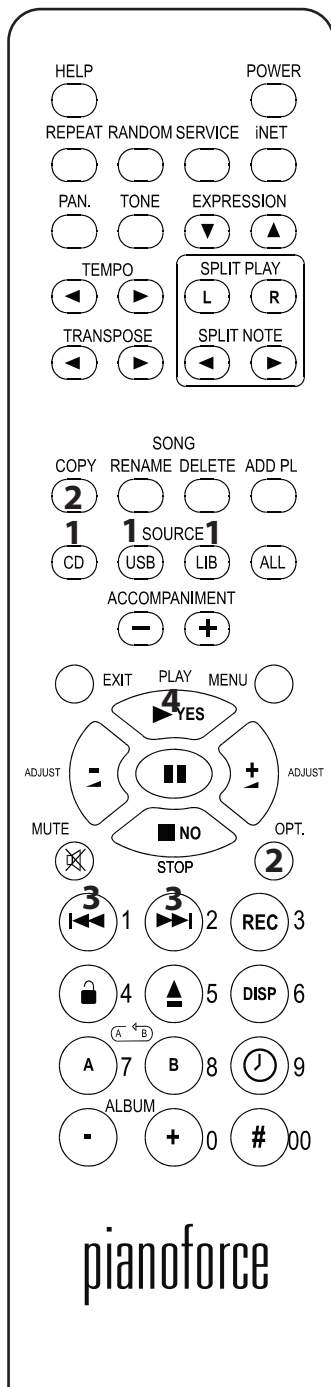
Now playback between points A and B will be repeated until STOP or button A is pressed again.



Performer Copy Function

Songs (MIDI files and audio files) can be copied from different sources to Libraries and Albums.

HOW TO COPY A SONG



1 Select a song from a source (CD, USB or LIBRARY) like you are going to play it.

2 Press the SONG COPY or OPTION/Copy Song button



3 Select the destination LIBRARY or add a new using the NEXT or PREVIOUS buttons

For example: Press **3** the NEXT button repeatedly to select the library named MY

Press YES **4**

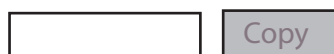


Press YES **4**



3 Create a new Album name using the ADJUST + - buttons

Press YES **4**

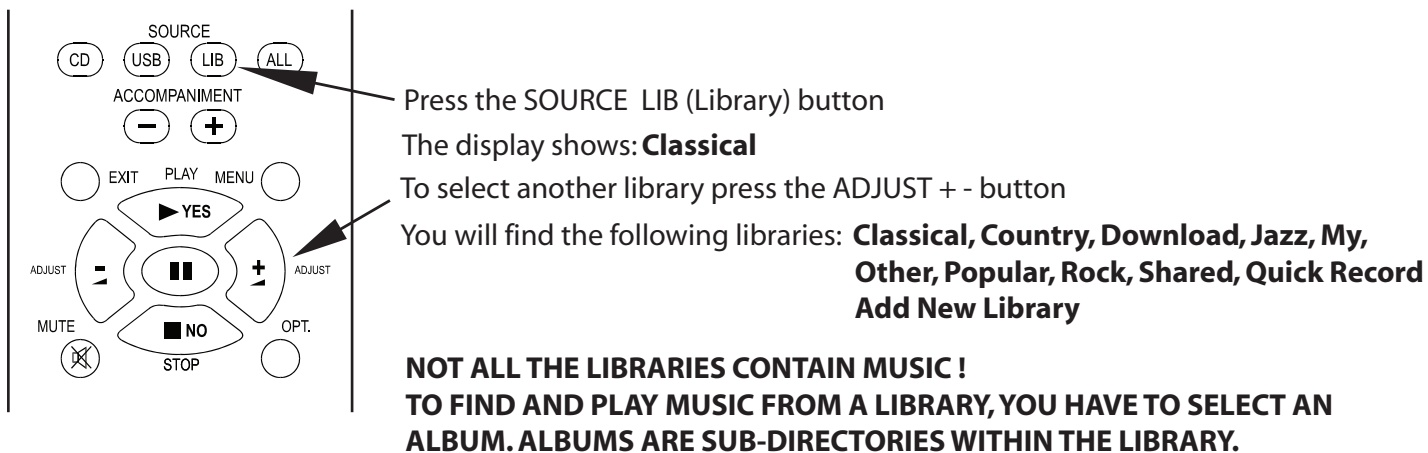


Now copy is completed !

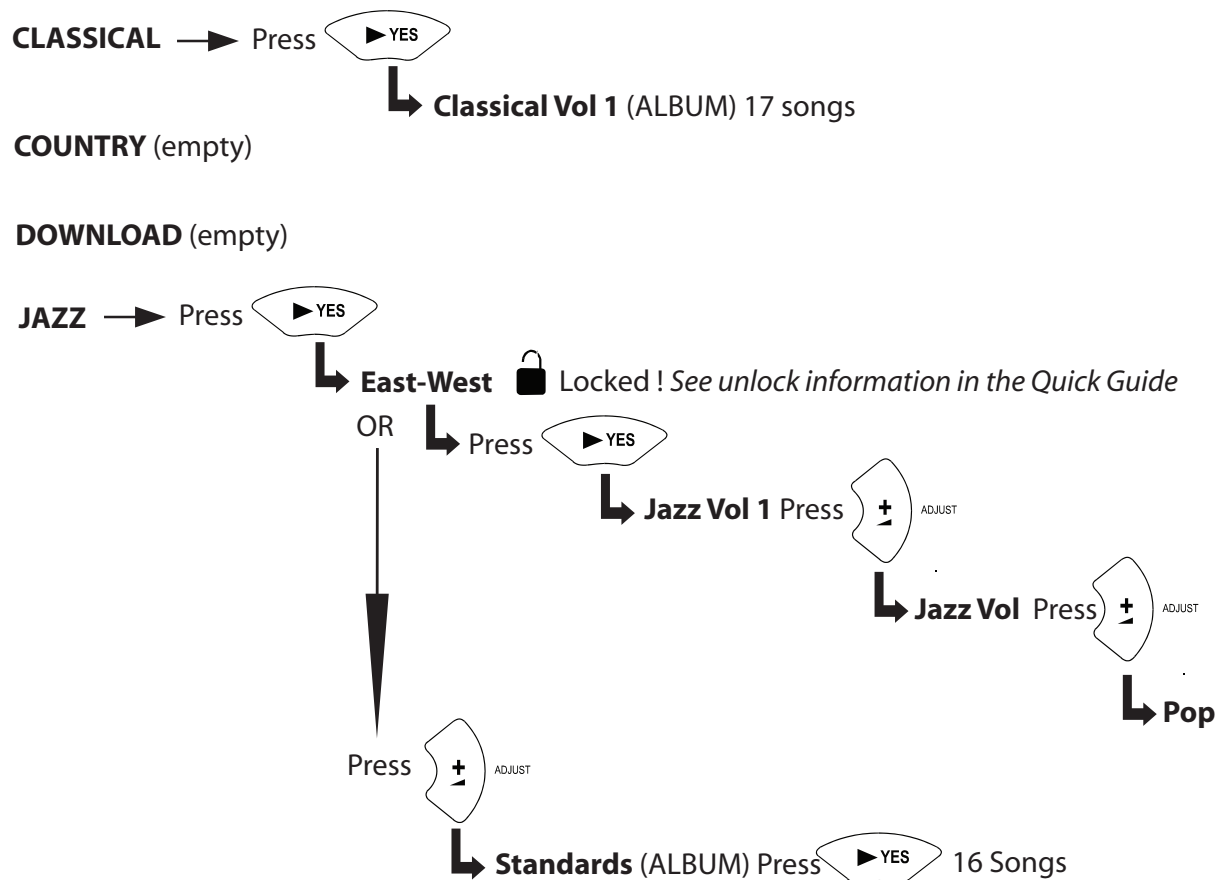
Performer Internal Library Structure

The Performer has 256 Mb Internal memory allowing to store MIDI and audio files. There are several libraries setup and the user can create a large number of additional ones. The “tree structure” makes navigation easy.

Here is an overview how the Performers Libraries and Albums are or can be organized:



The following LIBRARIES contain ALBUMS when your KD-7 is



MY (empty)



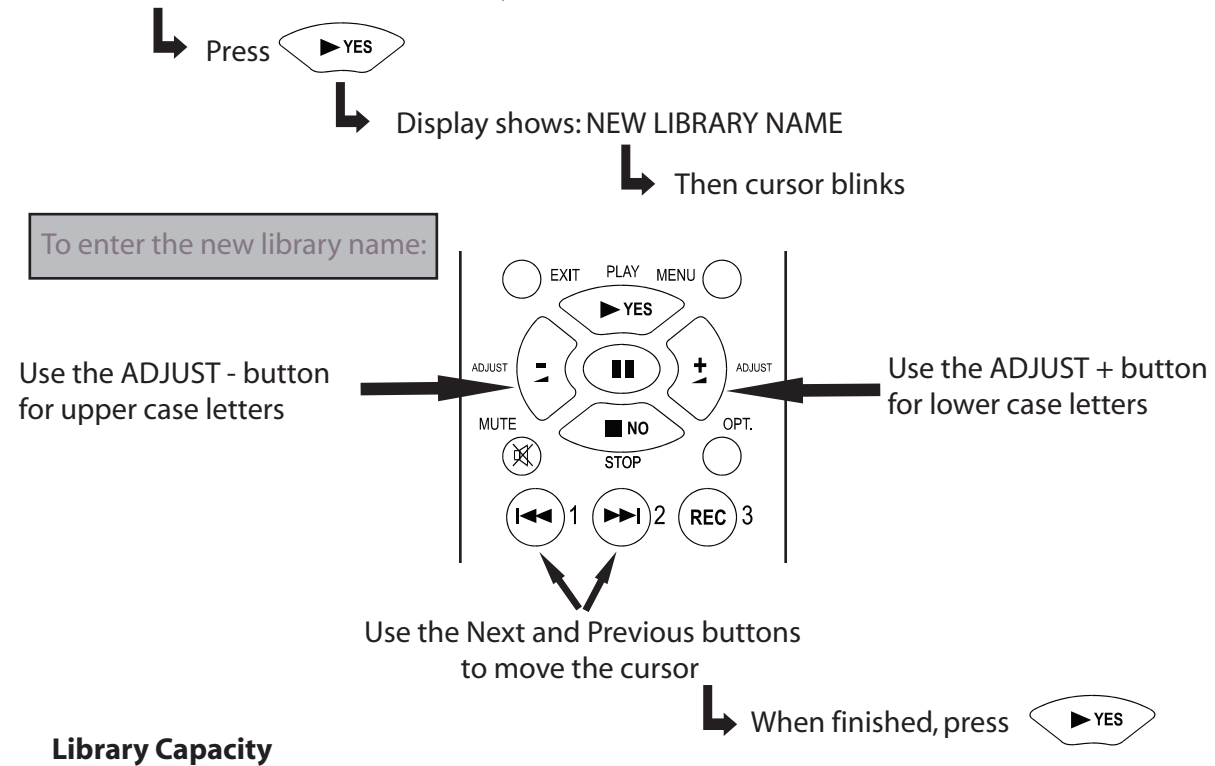
POPULAR (Empty)

ROCK (Empty)

SHARED (Empty)

QUICK RECORD (Empty) - When recording, the new song is stored in this library until copied to other library or source. There is only one song at a time stored in this library!

ADD NEW LIBRARY - create new library here



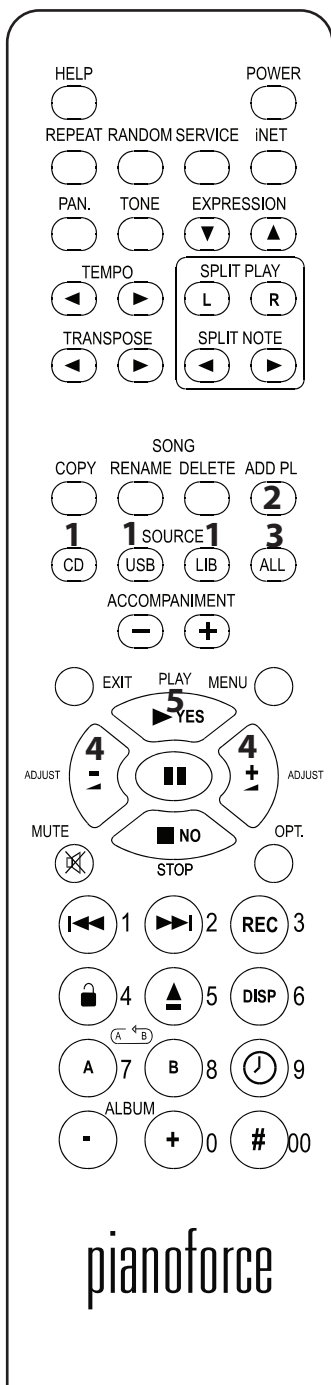
Library Capacity



PERFORMER PLAYLIST FUNCTION

PLAYLIST is a temporary list of selected songs. They can be from different libraries or sources.

How to create a PLAYLIST



- 1** Select a song from one of the sources (CD, LIBRARY, or USB)
- 2** Press the SONG/ADD PL button to add a new song to the playlist
- 1** Select a new song from one of the sources (CD, LIBRARY, or USB)
- 2** Press the SONG/ADD PL button to add a new song to the playlist

Repeat the select and add functions as many times as needed

How to play a PLAYLIST

The button SOURCE/ALL **3** selects all available playback sources

Press ALL **3**

Press the ADJUST +/- buttons **4** to scroll through the available libraries

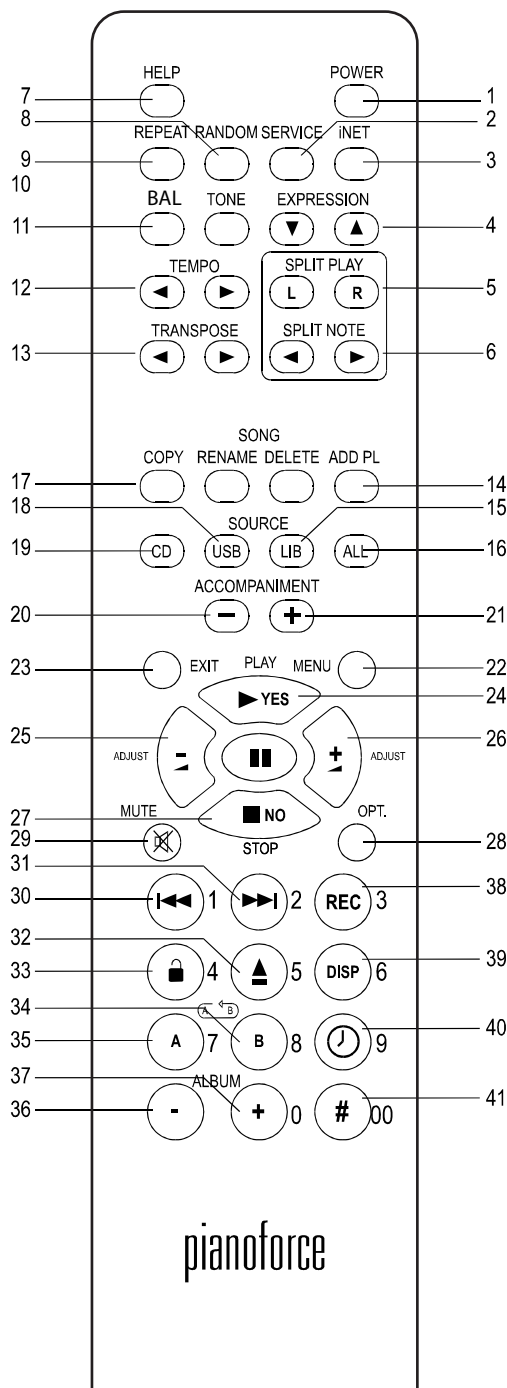
Select the library PLAYLIST

Press YES **5** to start playback

NOTE !

PLAYLIST IS TEMPORARY AND IT IS NOT MEMORIZED AFTER THE INSTRUMENT IS TURNED OFF !

Pianoforce PERFORMER IR Remote



Almost all the Performer functions are selected and activated from the IR (Infrared) remote controller. The remote controller operates on two 1.5 V AAA batteries. Although the batteries have a long life time at average use, it is necessary sometimes to replace them for uninterrupted operation.

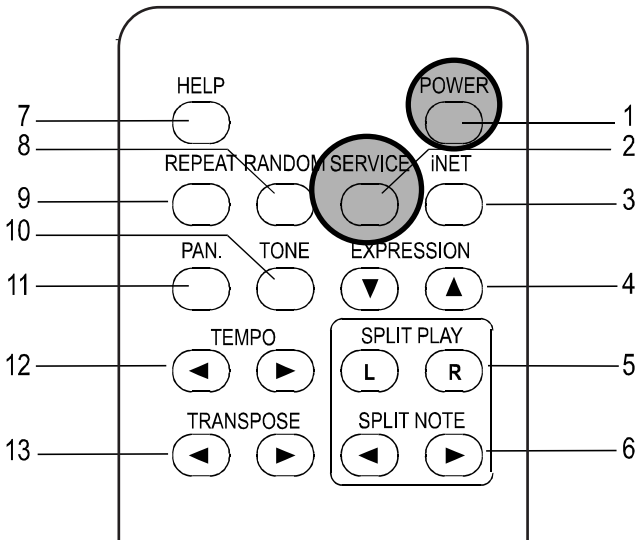
Note: If for any reason the remote controller is not operational, Performer has CD Autoplay default feature, meaning that using the touchless sensor on the CD units display can open the tray. After a CD is inserted and the tray is closed, Performer will start the CD playback automatically at the default main and accompaniment volume setting.

The following pages will describe each button on the remote and guide you through the related functions.

Description of the remote controller buttons

- [1] Power – turns the CD control unit on or places it into standby mode
- [2] Service – accesses service functions like ECR Calibration or firmware update (see menu Service)
- [3] iNet – internet access functions
- [4] Expression up/down – to select playback expression Soft, Medium, or Deep (see menu Piano/Expression)
- [5] Split L,R – playback split hand on/off buttons. When L is pressed, the left hand playback is muted.
To un-mute, press L again. When R is pressed, the right hand playback is muted. To unmute press R.
- [6] Split note – to select the Split Note. The Split Note divides the keyboard into Left and Right playback.
Pressing the split up/down buttons select the next or previous split note. Note: When Split Note is changed the selected key is softly depressed indicating the new Split Note.
- [7] Help – displays help information. Press the Help button followed by another you wish to access the help and information about.
- [8] Random – selects between random or normal song playback.
- [9] Repeat – selects between No Repeat, Single Song Repeat, and All Songs Repeat
- [10] Tone – selects the audio tone adjustment. When first pressed, the display shows “T” and a number.
The Treble can be increased or decreased by +18 -18dB using the Adjust + - buttons. Pressing the Tone button again, (display shows BX) the Bass can be increased or decreased by +18 - 18dB by using the Adjust + - buttons.
- [11] Balance – audio BAL left and right adjustment (when 2 speakers installed). When pressing the PAN button (display shows PX), the audio sound can be shifted left to right in the stereo field using the Adjust + - buttons. Center position is P0, hard left is P-10, hard right is P+10
- [12] Tempo – to change playback tempo of currently played MIDI file. When pressed (display shows SX), current tempo can be changed (+ - 50%).
- [13] Transpose – to change playback pitch of currently played MIDI file. When pressed (display shows TX). The current MIDI file can be transposed by + -24 steps.
Note: It is possible to transpose AMI song (player piano CD), by 12 tone increments, but the audio portion of the CD remains the same.
- [14] Add to Playlist – to add the current song to the Playlist. Note: Playlist can be selected with button Source All [16] and select the Playlist by browsing all sources with buttons –[25] and +[26].
- [15] Library – to select an internal library and album. When pressed display shows the last selected Group of albums in the internal library. A different group of albums can be selected by using the Adjust + - buttons. To enter the desired group press YES. Use the Adjust buttons to select an Album and press YES.
- [16] All Sources – to select one of the sources like Quick record or Playlist.
- [17] Copy/Rename/Delete – to perform any of these functions with the current song.
- [18] USB source select – to select and access the currently connected USB drive as source of playback.
- [19] CD source – to select CD as the source of playback.
- [20] Accompaniment Decrease – Decrease relative volume of the accompaniment
- [21] Accompaniment Increase – Increase relative volume of the accompaniment
- [22] Menu – Opens main menu. When pressed the display shows the last selected menu item.
To select a different item use the Adjust buttons. Enter menu by pressing Yes [24]. If deeper menu item exists - the last selected item is displayed.

- [23] Exit – Exits current display context (e.g. menu). Basic context is the current song name.
- [24] Yes/Play – confirms current selection or starts playback.
- [25] - Decrease – to decrease the current value, volume, and scroll through selections
- [26] + Increase – to increase the current value, volume, and scroll through selections.
 Note: buttons [25][26] when menu is selected show next or previous menu item.
 When value is selected, - + buttons change current value. When nothing is selected (song name or song time is displayed), - + buttons change Main volume.
- [27] No/Stop – to abort current selection or stop the playback.
- [28] Options – to open current context menu with options (see menu/options)
- [29] Mute – to mute/un-mute playback. If playback is muted – it is the same as setting the main volume to zero (0).
- [30] Previous song / Fast rewind – to select the previous song. When the button is pressed and held for 2 seconds, fast rewind is engaged. If the song playback is advanced more than 6 seconds, then pressing button [30] will rewind it to the current song start.
- [31] Next song / Fast forward – to select the next song. When the button is pressed and held for 2 seconds, fast forward.
 Note: When a song name (or other text) is edited on the player display - pressing the Previous [30] will delete the last letter. Button Next [31] will accept current letter and forward editing to the next letter.
- [32] Eject – Ejects CD from drive. When playback from CD is active, playback will be stopped before ejecting.
- [33] Unlock – When the selected album/group is locked, player shows: “Album/group is locked”, followed by the information you need to order Unlock code.
 The ordering information shows (e.g. Yes: Order code A-593-8315). Press YES, the display will ask to enter the Unlock Code (e.g. 1234.5678.9123). This code can be entered directly from the remote by using numeric buttons [30-41]. E.g. to enter code 1234, press the buttons [30][31][38][33]. For details – see section: Digital Right Management.
- [34] Set B point – When button B is pressed the end of MIDI song loop point is set.
- [35] Set A point – When button A is pressed the start of MIDI song loop point is set.
- [36] Previous album – When an album from one of the internal libraries is active, press this button to select the previous album.
- [37] Next album – When an album from one of the internal libraries is active, press this button to select the next album.
- [38] Record – Start a single track record. The optional Record Strip device has to be installed to be able to use this function. The file will be automatically stored after the Stop button is pressed. To access the song, press Source All/Quick Record. The song can be copied to any library or USB location, and it can be renamed.
- [39] Display – selects one of the three options: Song name, Song time, and Album name with the number of songs stored in the album.
- [40] Clock – to set the timer options (Sleep, Daily Schedule, Set Date/Time). For details see menu Setup/Timer.
- [41] Numeric keys activation – When entering an Unlock Code, the user can toggle between function of number and function keys. It can also be used for entering a song number (e.g. buttons [41][30][33] will select song 14), album number, or menu is started.



1. POWER - Like the touchless sensor on the FCD this button turns the control unit ON or sets it into STANDBY mode.
 NOTE: Use the ON/OFF switch on the power supply (under the piano) for complete power down. Wait 20-30 seconds before re-starting the whole system.

2. SERVICE - Access to Solenoid Controller Setup, Touch Sensor Setup, Firmware Upgrade, Remote Access

Note: Service functions should only be used by a certified Pianoforce technician!

THE SERVICE FUNCTIONS

Available functions are: Upgrade Firmware
 Remote Assistant
 Solenoid Controller Setup

Upgrade Firmware

New features, improvements, or corrections can be added by operating system updates . Updates can simply be made by connecting the Performer to the Internet. Power down the system completely by turning off the power supply under the piano. Wait about 45 seconds. Connect a high speed Ethernet cable to the back of the CD controller (ETHERNET 10M/100M). Turn on the power supply. When the start up is completed, and if a new operating system version is available for your piano, the message “Yes, New Update Is Available ... Do you want to update?” will appear. If you want to upgrade, press the Yes button and follow the instructions on the display.

If a high speed Internet connection is not available, ask Pianoforce or your dealer for the latest firmware version on a CD. Updating with CD is very easy. Open the CD tray, insert the CD labeled Pianoforce Performance Firmware Update Version X.XX. By default, Performance has CD Auto Play. If this function is not disabled by the user after the tray is closed, the update will start automatically. Follow the instructions on the display. DO NOT TURN OFF THE SYSTEM WHILE UPDATING THE OPERATING SYSTEM. When the update is completed, remove and store the CD.

Remote Assistant

To access the Remote Assistant, a high speed Internet connection is necessary. Power down the player system by turning off the power supply under the piano. Connect the Ethernet cable to the back of the CD unit. Turn on the power and wait until the start up is completed. Press SERVICE, then select the Remote Assistant function by pressing the ADJUST + or - buttons. Press YES and follow the directions on the display. With the Remote Assistant you can connect to online service support. Your system can be tested, analyzed and in some cases even repaired this way. Please contact the Pianoforce service department at 877-542-8807 ext.2 before connecting to the Remote Assistant.

Solenoid Controller Setup

WARNING! These functions should only be used by a certified Pianoforce technician !

The Solenoid Controller Setup functions are intended to be used by a qualified installer technician only. Here is a description of the functions:

Ca: Calibration advanced - this function is very important to achieve the best possible playback and has to be performed by the installer technician!

Ca will adjust the expression levels for each key solenoid, tests if each solenoid is performing correctly and performs an analysis before automatically storing the information. **Ca** is the highest calibration level and depending on the firmware version it can take 45-90 minutes. During calibration the lid of the piano should be open and a quiet environment is necessary.

To start the advanced calibration press the YES button while the display shows: **Ca:Calibration advanced**

Cq: Calibration quick - this is a faster but less detailed calibration.

An: Analysis of calibration - this function can be used to review the calibration result. By pressing YES the system performs a calibration test and displays the results.

Ck: Key Calibration - allowing single key calibration. When pressing YES Kxx will be displayed ((xx) indicating the key number). Pressing the Forward or Rewind buttons any of the keys between K05-K84 can be selected. Once the key is selected, pressing the YES button will start calibrating the selected key.

HC: Key Hold Force - sets the optimal key solenoid hold force. Piano actions, and key weights are different on each piano. It is important to select the best Key Hold Force value for the particular piano. Available value ranges from 0-99. Pressing the ADJUST + and - buttons will increase or lower the force. If the hold force is too low, the piano will play short (staccato) notes even if it was recorded as a long (legato) one. Adjust the hold force level and listen, carefully triggering several keys across the keyboard. Keys can be selected by pressing the Forward or Rewind buttons. The default value is set to 6. By our experience Key Hold Force level 6 is optimal for most small to grand pianos.

RC: Key Release Force - controls how fast the plunger returns to the rest position. This is another very important parameter to set to the optimal value. Available value ranges from 0-99. The lower the value, the faster the plunger returns to its rest position. This will allow the solenoid to "fire" faster resulting, better note repetition. Higher value slows down the plunger return, resulting quieter plunger movement but decreasing repetition rate. Select different values testing several keys across the keyboard. Listen to a piano piece you know very well, especially with fast repeating notes. Select the optimal release value. Factory setting is 13.

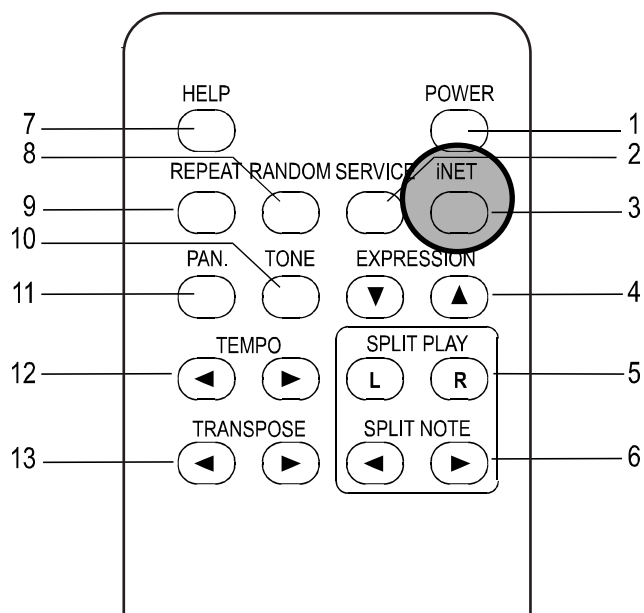
SC: Sustain Force - adjusts the force of the pedal solenoid. The Sustain Force is not calibrated automatically. It is important to select a value that will lift the damper rail without delay and at the minimum mechanical noise. Pressing YES will display the current force level. Pressing the ADJUST + and - buttons will increase or decrease the solenoid force. It is important that all trapwork related mechanical adjustments are correct (loss motion, solenoid travel, susutain lever) before the SC value is selected. The default setting is 23. Once the optimal value is established, it is recommended adding +2 digits. During extended playback the solenoid heats up and needs additional power to perform correctly.

SR: Sustain Release - controls the return of the solenoid and the damper rail. Lower value allows the dampers to return faster, higher value helps reduce mechanical noise. Default setting is 32. The ADJUST + and - buttons change the value and the Forward and Rewind buttons activate the solenoid to monitor and adjust the damper rail, returning to the optimal setting.

SD: Sustain Release Delay - adjusts the time delay before force is applied to the pedal solenoid. This setting has significant effect on lowering the sustain pedal noise. Default and typical setting is 32.

It is very important that the SC, SR, and SD are working in conjunction with each other and set to the correct values.

ST: Store Parameters - after the Key Solenoid Hold, Release, Sustain Force, Sustain Release and Sustain Release Delay values are set, the new information has to be stored in the internal memory. When the display shows St: Store Parameters, press the YES button. The display shows "Ok: Stored" Once the new values are stored, they will remain in the internal memory until new values are selected and stored again. After the Store function is completed press the NO button to return to the CD mode.



iNET FUNCTIONS

3. iNET - Internet connection: The Performer can be connected to the Internet via high speed LAN connection or with a USB wireless module. For information about the current or new Internet functions contact Pianoforce or visit the web site. The following selections are available after the iNet button is pressed:

- Download (available soon), Status, Device Name, and Connections.

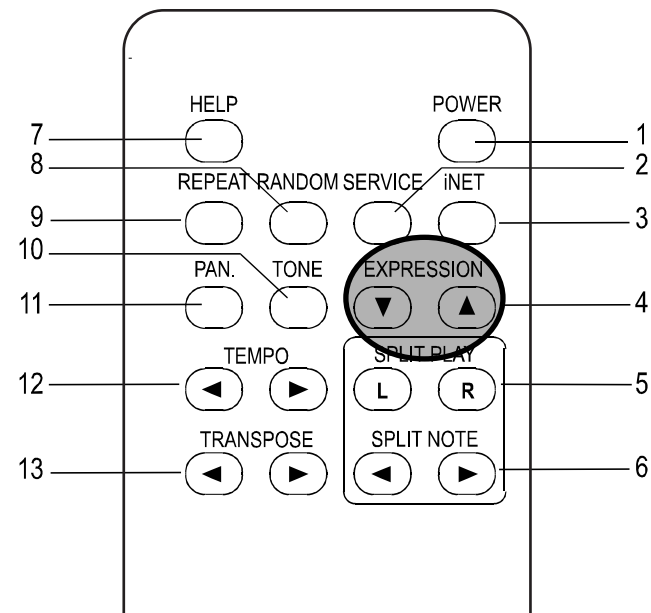
Firmware update via Internet: Power the system down (turn off the power supply under the piano). Connect a high speed internet cable to the back of the Performer's ETHERNET connection (on the back of the CD unit). Turn on the power at the power supply. After the boot is complete and there is Internet connection, Performer will search for the latest operating system version. If a newer version is available than yours, it will display: "Yes: A new firmware version is available. Do you want to download?" Press YES and follow the simple steps.

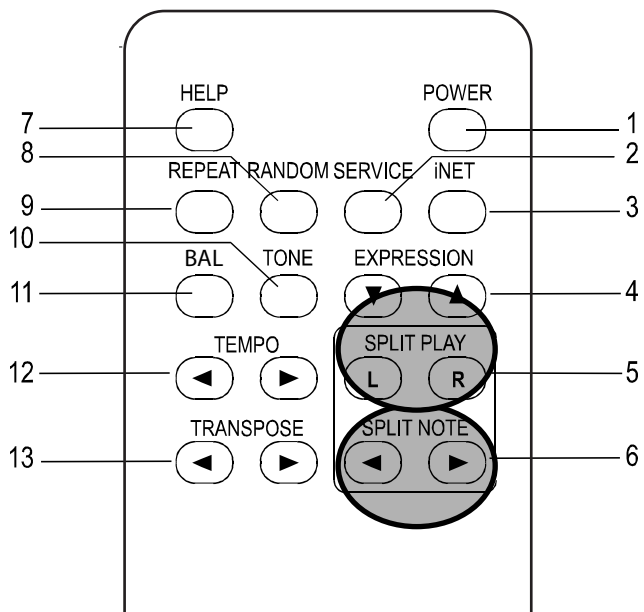
EXPRESSION

A correctly selected expression type can further enhance the reproduction of the original performance. There are 3 Expression playback choices:

- SOFT (minimum expression)
- MED (medium expression)
- DEEP (highest playback expression levels)

For classical piano music select DEEP to enjoy full expression. Medium expression is recommended for jazz, pop, and similar styles. Selecting SOFT will result little or no expression.





SPLIT PLAY

5. The SPLIT PLAY function allows muting the left or right hand playback, so you can play along, learn, or practice one hand at a time. Pressing the **L** button once mutes the left hand, pressing the **R** button once mutes the right hand playback. To turn on the playback again, press the L or R buttons again.

SPLIT NOTE

6. With the SPLIT NOTE **◀ ▶** buttons you can change the key where the keyboard is split. The default is C4 (middle C). By pressing one of these buttons repeatedly a new split note can be selected

HELP

7. Press any of the buttons on the remote followed by the HELP button. Detailed instruction or information will be displayed.

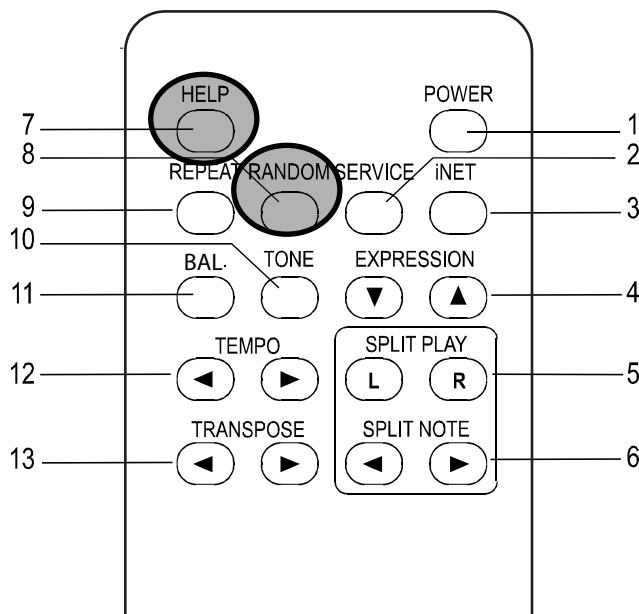
RANDOM

By pressing this button the Performer will play songs in random mode from the selected source.

Press LIB (Library), select the CLASSICAL/CLASSICAL VOL 1. Press YES followed by the RANDOM button. The display shows: "Rnd playback mode" and Performer will select tracks randomly. To stop the RANDOM play press RANDOM again. Now the display will show:

"1 2 3 normal order mode"

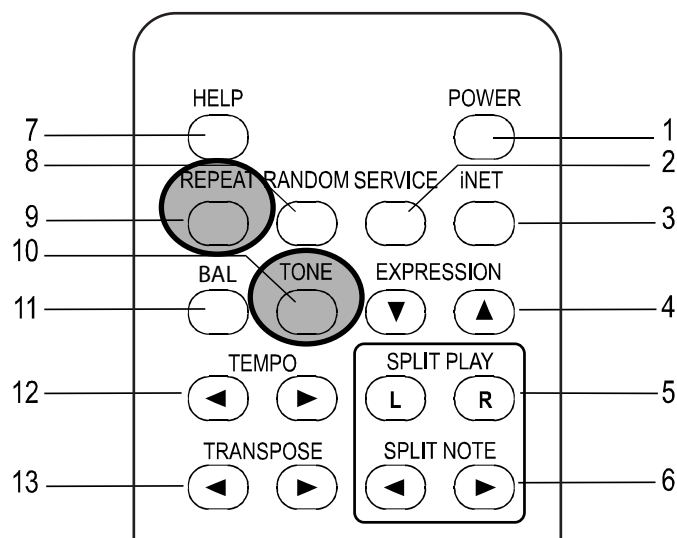
RANDOM play mode can be engaged in any source (CD, LIB, USB, or ALL).



REPEAT

9. The following repeat options are available for each play source:

- R: all - repeat all songs
- R: 1 - repeat one song
- R: No repeat song mode

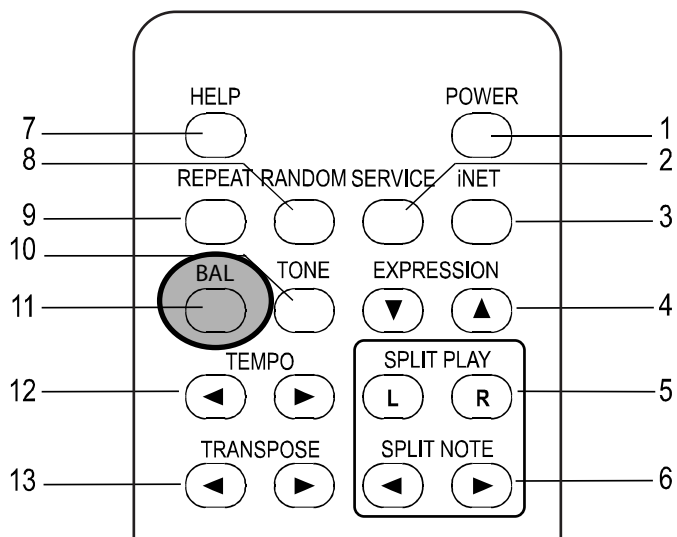


TONE

This is an audio adjustment function. By pressing the TONE button the first time the display shows TX (X = the actual value) for treble setting. By pressing the ADJUST buttons the audio treble can be adjusted between + - 18.

By pressing the TONE button again, the display shows: BX (X = the actual value) for the Bass setting.

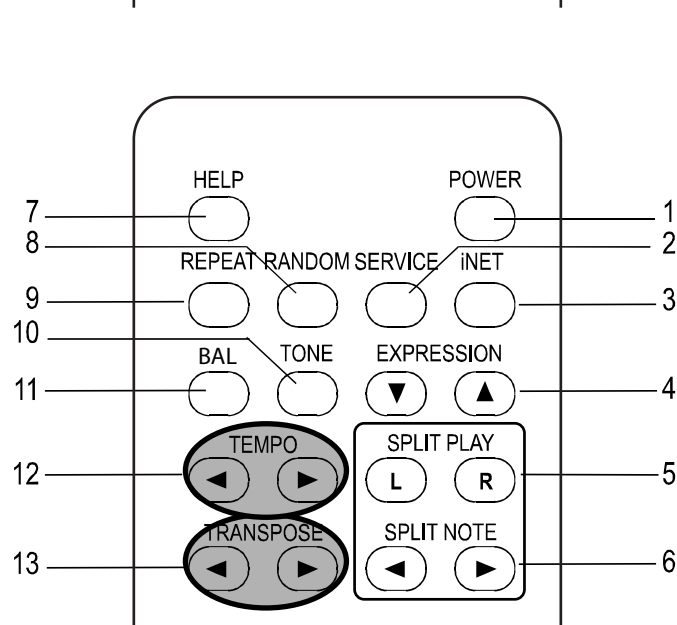
By pressing the ADJUST buttons the audio bass can be adjusted between + - 18.



BAL

The PAN (BALance) is also an audio function. If two speakers are connected, the accompaniment tracks can be adjusted in the left and right stereo field. When pressing the BAL button on the remote the display shows P0 (default).

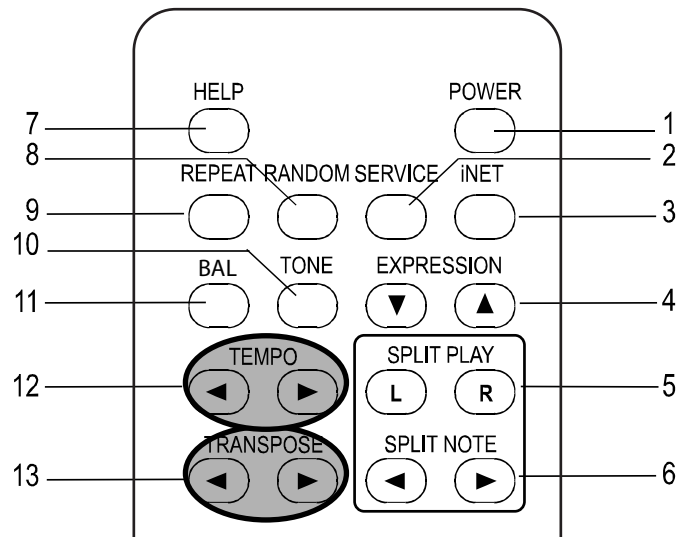
The ADJUST + - or the REV/PREV and FWD/NEXT can pan the audio sound in the left and right stereo field.



TEMPO

The TEMPO (left and right arrow buttons) buttons can slow down or speed up the playback by + - 50%. After selecting a song and then pressing one of the TEMPO buttons the display shows: S0 Pressing the left button slows down the playback, the right one speeds it up.

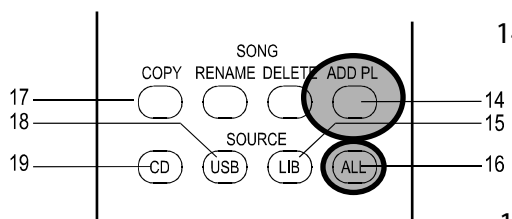
NOTE: Tempo can only be changed if the song is saved in MIDI format.



TRANSPOSE

The Transpose (left and right arrow buttons) buttons allow transposing the current playing song by + - 24 steps. This function is available only if the song is saved in MIDI format. When playing a player piano CD, only the piano track will be transposed by 1 octave at a time. The maximum range is + - two octaves.

THE SONG FUNCTION BUTTONS

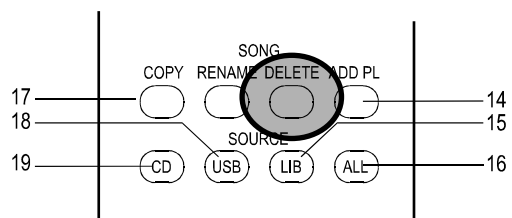


14. **ADD/PLAYLIST**

PLAYLIST is a temporary list of selected songs. Songs can be selected from different libraries and sources. To add a song to the playlist first select the song, then press the SONG/PLAYLIST/ADD button.

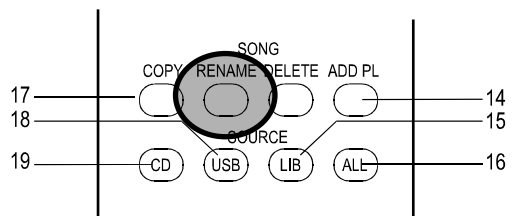
16. **ALL**

To start the PLAYLIST press SOURCE/ALL/PLAYLIST. Songs will play as a single album in the order they were added. Playlist is not stored in the memory when the system is powered down.



DELETE

Select a song you wish to delete. Press the DELETE button. The display will read: "Yes: Are you sure to delete (song name)?" Press YES to delete.

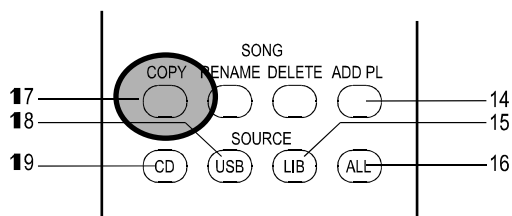


RENAME

Songs pre-loaded into the internal libraries by the manufacturer are copyrighted and cannot be renamed. Songs cannot be renamed on external devices (USB memory drive, HD, or CD). Songs saved into a library by the user can be renamed.

How to rename a song

1. Select the song
2. Press RENAME
3. Use the FWD/NEXT and REW/PREV buttons to select the character you wish to change (cursor)
4. Use the AJUST + - buttons to select the new character
5. When finished, press YES
6. The new name is now stored



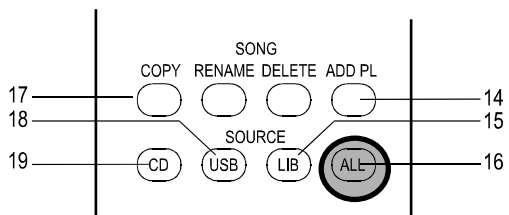
COPY

Songs pre-loaded into the internal libraries are copyrighted and cannot be copied. User material can be copied from CD or USB device to library, from library to library, and from library to USB device.

How to copy

1. Select the song you wish to copy
2. Press the COPY button (display reads: copy-select destination)
3. Use the FWD/NEXT and REW/PREV buttons to select the destination then press YES. (display reads: To A New Album)
4. Press YES, then enter the new album name using the ADJUST buttons for characters and the FWD/NEXT/REW/PREV for cursor movement
5. When finished, press YES

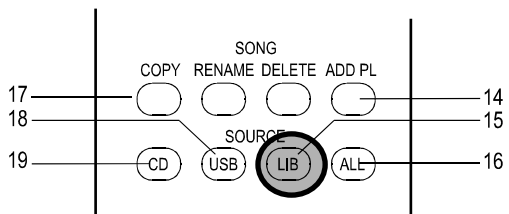
THE SOURCE BUTTONS



ALL

There are four SOURCE buttons representing access to internal music libraries, the CD drive, USB devices and the user programmable playlist.

Press the ALL/PLAYLIST (16) to start playing the previously created temporary playlist. All the songs previously added to the playlist will play as a single album in the order they were entered.



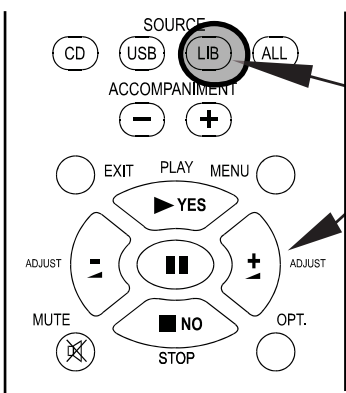
LIB (LIBRARY)

The Performer has internal libraries.

The following libraries are pre-programmed by the manufacturer:

- Classical
- Country - empty
- Downloaded - empty
- East-West (on early releases)
- Jazz (Albums from East-West were moved here now)
- My - empty
- Other
- Popular
- Rock - empty
- Shared - empty
- Quick Record - empty
- Add New Library - empty
- Hide locked

The Performer has 256 Mb Internal memory which allows it to store MIDI and audio files. There are several libraries setup and the user can create a large number of additional ones. The "tree structure" makes navigation easy.

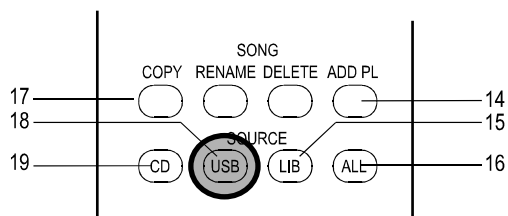


Press the SOURCE LIB (Library) button

The display shows: **Classical**

To select another library press the ADJUST + - button

**NOT ALL THE LIBRARIES CONTAIN MUSIC !
TO FIND AND PLAY MUSIC FROM A LIBRARY, YOU HAVE TO SELECT AN
ALBUM. ALBUMS ARE SUB-DIRECTORIES WITHIN THE LIBRARY.**



USB

USB storage devices, like a memory stick (jump drive), USB hard drive and USB floppy drive, can be connected to the Performer. Some of these devices have large storage capacity and can hold hundreds or thousands of MIDI and audio files. For safe operation and file recognition it is recommended to power down the system before connecting a USB device.

FORMATS THAT BE PLAYED FROM USB

MIDI files 0 and 1, player piano CD tracks copied to the USB device, OGG audio format and WAV audio. Song files can be stored in folders or in root position. If folders and root position files are mixed, the ones saved in root position have priority. To store large number of songs we recommend the folder structure.

WHAT CAN YOU STORE

You can copy and store different format player piano CDs, MIDI files and audio CDs.

HOW TO COPY

- You will need a PC, USB device and one of the following player piano CDs, MIDI file or Audio CD:
- Yamaha Pianosoft Plus CD
- QRS Pianomation CD
- Pianodisc Player Piano CD (prior to January 2006 release)
- MIDI files copied to CD
- Standard audio CD

PREPARE! If you plan to use an external USB hard drive, the drive has to be formatted first. It is important that the hard drive is formatted with FAT 32 option and single partition. Since Windows may have a problem with formatting a hard disk in FAT 32 beyond 32 Gb, we have included the format option and strongly recommend using it instead of your computer.

1. To format HD, turn off your Performance (Power Supply)
 2. Connect the HD
 3. Turn on the power and wait until the boot and self check is complete
 4. Press MENU
 5. Select item MEDIA, press YES
 6. Select item USB Format, press YES
 - Confirmation question with default answer NO is displayed "All data from connected device will be erased during the format. Are you sure to proceed?"
 7. Select item YES with button + (No changes to YES)
 8. Confirm by pressing YES
- Formatting is executed now - it can take about 5 minutes.

After the hard drive is formatted, turn off the Performer, disconnect it, then connect it to your PC. Insert a player piano CD into the CD drive, and open your CD burner program (like Nero).

Select the Convert Audio CDs to Audio Files.

Select the Destination Location (the USB hard drive you just connected)

Output file format: PCM wav file

Frequency: 44100

Bits: 16

Channels: Stereo

Select the CD tracks you want to copy

Select: GO

After the song files are copied, you will need to change the file extensions as follow:

For Yamaha Piano Soft Plus change from; My Song.wav to My Song.wdk

For QRS Pianomation CD file from; My Song.wav to My Song.wpm

For Pianodisc Player Piano CD from; My Song.wav to My Song.wpd

For Audio CD or MIDI file; no extension change is needed

IMPORTANT !

Windows has Auto-Hiding of a known file extension.

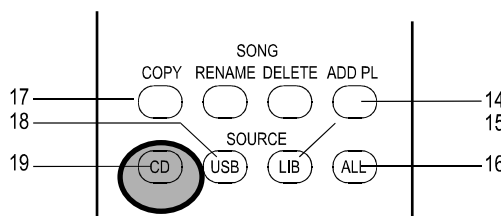
TO RENAME THE FILE CORRECTLY YOU SHOULD FIRST TURN OFF THE AUTO-HIDING EXTENSION FEATURE IN WINDOWS:

1. Open the Windows menu
2. Select Tools
3. Choose Folder Options
4. Select View
5. Uncheck Hide extensions for known file types
6. Select OK/Apply

SONG FILES CAN BE STORED IN ROOT POSITION OR IN FOLDERS. NOTE: ROOT POSITION HAS PRIORITY! IT IS RECOMENDED TO ORGANIZE YOUR SONGS IN FOLDERS. IF LONG UNINTERRUPTED PLAYBACK IS REQUIRED, CONSIDER CREATING A FOLDER AND COPY LARGE NUMBER OF SONGS INTO IT. AFTER THE SONG FILES ARE COPIED AND RENAMED, BE SURE THAT THE HDD OR ANY USB DEVICE IS DISCONNECTED FROM THE PC CORRECTLY. USE "UNPLUG USB DEVICE" (green icon near the clock), BEFORE HDD IS PHYSICALLY DISCONNECTED. When this function is used - the system stores all unstored sectors onto disk.

When the data is not stored, disk content can be corrupted.

CD



CD is the most popular format for player pianos. Player piano CDs are specially recorded. They contain MIDI information (converted to analog) to command the key solenoids, moving the keys up and down. This information is on one of the CD tracks (left or right). The other track is used for the audio accompaniment (if any). The CD track configuration varies by the different brands. (QRS Pianomation: AMI left, audio right. Yamaha Disklavier: AMI right, audio left. Pianodisc: AMI right, audio left, Webonlypiano: available in all the above formats.

Performer can play multiple player piano CD formats:

- Yamaha Pianosoft Plus
- QRS Pianomation CD
- Pianodisc CD (released prior to 2005)
- Webonlypiano

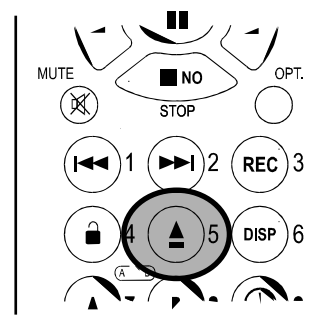
Performer also plays MIDI files stored on CD. The midi files can be organized in folders or saved in root position. MIDI files use very little memory, so a single CD can hold thousands of songs. It is recommended that MIDI files saved on CD are in folders for easy navigation. Each folder can hold 999 song files. If the song title was entered following standard procedure, they will be displayed on Performers scrolling display. (If you want to use your PC to name MIDI files, use Cakewalk/Edit/Info).

Standard audio CDs can also be played but the keys will not move and the piano will not play. Performer also recognizes audio files in OGG compressed format. It is not recommended to save player piano CD content in OGG format. The Stars and Tracks software by Pianoforce is a new exciting software for player pianos. When inserting a standard audio CD from a selected library, the matching piano file is found in the internal memory and starts to play in sync with the audio recording. You will find more information about the audio and MIDI synchronization in the OPTION section.

HOW TO PLAY A CD ?

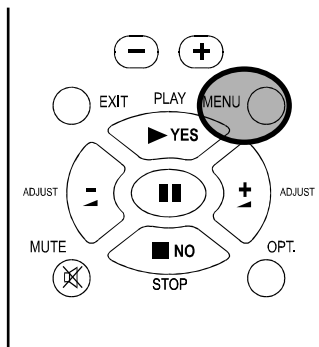


The right sensor near the edge of the display is for the CD Eject function. (Can be also performed using the remote's Eject button).



Insert a CD. Make sure it snaps into the right position. Support the CD tray with your hand from underneath. Spin the CD with your fingers assuring that it is positioned correctly. Close the tray. There is an AUTO PLAY function by default. After few seconds the CD is scanned and the playback starts. The CD AUTO PLAY is not only a convenient feature, but also practical in case the remote is misplaced or the battery is empty. The CD auto play function can be disabled then saved as new default setting.

HOW TO DISABLE/ENABLE THE CD AUTO PLAY FUNCTION ?



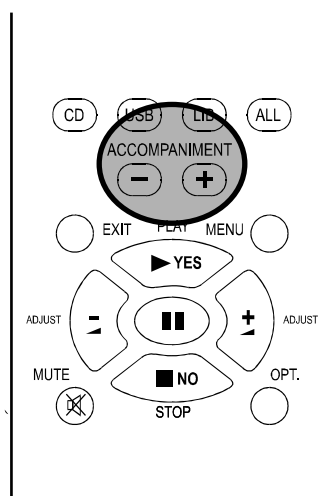
1. Press the MENU button
2. Use the ADJUST + - buttons to select SETUP
3. Press YES
4. Use the ADJUST + - buttons to select MEDIA
5. Press YES
6. Use the ADJUST + - buttons to select CD AUTOPLAY
7. Press YES
8. Use the REW/PREV and FWD/NEXT buttons to select ENABLE or DISABLE
9. Press YES to confirm

The CD AUTOPLAY ON is a factory default setting. If you wish to keep the function disabled even after the system is powered down (on the power supply), you have to save the setting.

TO SAVE CURRENT SETTINGS

1. Press MENU
2. Using the ADJUST + - buttons select SETUP
3. Press YES
4. Using the ADJUST + - buttons select Store Current Setting
5. Press YES - the display reads: Yes: Do you want to store current settings as power-up defaults?
6. Press YES to confirm

ACCOMPANIMENT VOLUME

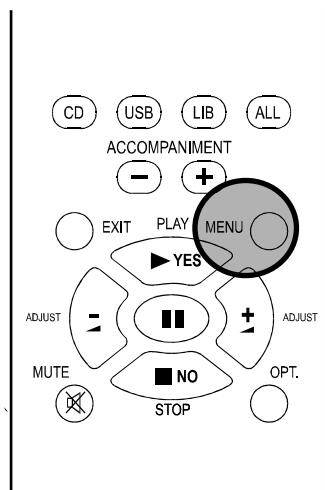


Performer has two volume controls. M (Master Volume) and A (Accompaniment Volume). The accompaniment + - buttons adjust the audio portion of the playback (orchestral accompaniment). There are two accompaniment default settings. When the master volume is set to 1 for the lowest level piano playback, the Accompaniment level defaults to 10. The available range at this setting is 0-25. When the Master volume is set 2 or higher (maximum range is 30), the Accompaniment defaults automatically to 24. Maximum range is 30. To adjust the Accompaniment volume simply press the + - buttons. Default setting can be changed and saved by the user. Press MENU/SETUP/STORE CURRENT SETTINGS if you prefer your new settings at system power up.

The Accompaniment buttons control the audio output level. To hear the orchestral accompaniment amplified speaker(s) or a stereo receiver has to be connected to the LINE OUT/OPTICAL OUT on the back of the CD control unit. This is a stereo output, use 1/8" stereo mini plug.



For best result it is recommended to connect two amplified speakers. Although many of the player piano CDs have only monaural audio accompaniment, Pianoforce has a new format that allows full stereo with inbedded MIDI. The Stars and Tracks software allows audio and MIDI synchronization, meaning that the original standard stereo audio CD (selected library) is accompanied by the player piano.



MENU BUTTON

Source

Playback sources are:

- CD
- USB
- Library
- Album (saved in Library)

Audio

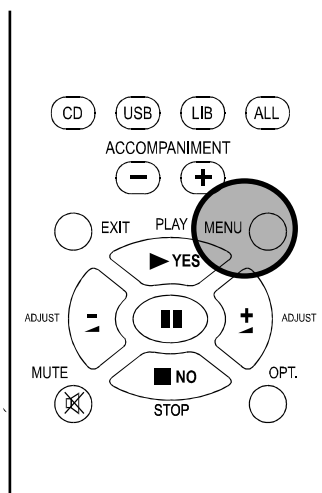
The options are:

- Accompaniment volume
- Pianissimo Accompaniment (default level is 10)
- Main Volume - to adjust piano and accompaniment level (default 15)
- Bass tone - to adjust the low frequencies of the accompaniment
- Treble tone - to adjust the high frequencies
- Panorama - to shift the sound from center position (P0) to left or right. The range is + - 10.
- Acoustic mode - selection between acoustic piano playback and headphone. Acoustic player pianos have to be equipped with the optional record strip and GM (GeneralMIDI) sound card for headphone operation.

PIANO

The options are:

- Split - Disable or Enable the keyboard split (after pressing YES, use the REW/PREV and FWD/NEXT buttons to select)
- Left Hand - to turn LH on and off
- Right Hand - to turn RH on and off
- Split Note - to change the default key (C4). Press YES, The display reads C4. Use the REW/PREV key to move the split note more to the left, or the FWD/NEXT to move the split note more to the right. If you want to store the new split point as default, select MENU/SETUP/Store current settings.
- Sync Time - If the speakers are located far away from the piano, the Sync Time may need to be adjusted. This function may also be engaged if for some reason the piano and accompaniment are not in sync. The Sync Time can be adjusted by approximately + - 80 milliseconds. Press YES. The display reads: S0 Use the REW/PREV or FWD/NEXT buttons to change the Sync Time.
- Expression - to select one of the expression options:
 - Soft - notes will play with smaller expression depth
 - Medium - notes will play with original note velocities
 - Deep - songs will play with wide expression range.
 - Pianissimo. Piano and mezzoforte notes will play softer.



Playback Modes

The options are:

- Normal play sequence - songs play in the order they were saved or recorded
- Random Sequence - songs are selected in random order from the current source.
- Repeat Off - no repeat
- Repeat Song - The currently selected song will repeat until STOP is pressed
- Repeat Album - The current album is repeated until STOP is pressed

Options

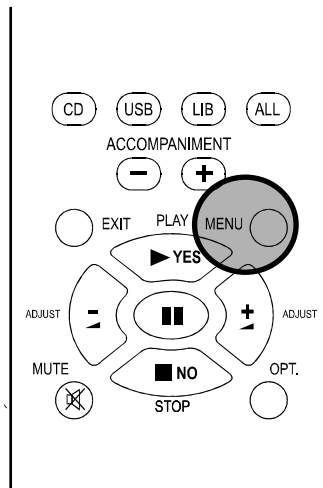
The selections are:

- Add to playlist - add song to playlist from any source
- Copy album - copy all songs from the currently selected source (CD or USB) to a selected album. The system will ask you to select destination album. You can also create a new album.

SETUP

The selections are:

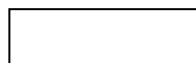
- This function allows you to customize Performer's settings including: Main Volume, Accompaniment Level, Treble and Bass settings, Split None, Display settings and many more.
- Upgrade Firmware - To upgrade firmware, you can connect Performer to the Internet, or insert a CD containing the latest operating system.
- Remote Assistant - by selecting this function you enable the connection to supporting remote operator who can help to solve problems with your piano. High speed Internet connection is required.
- Solenoid Control Setup - These functions should only be accessed and operated by certified installer technician
- Touch Sensors Setup - to select the touch sensor setup.
 - The options are:
 - Calibrate Sensors (the system will auto calibrate the sensors to the current light conditions)
 - Show status of sensors (after pressing YES, the sensor status is displayed)
 - Monitor sensor level (after pressing YES the sensor level is displayed)



iNet When selecting iNet, you can access the Internet related functions and settings.



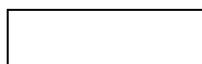
- to display the current network addresses and status



- many of the iNet functions were still under development at the time this manual was prepared. With Operating System version 1.84 the Download function works as follows: If the user saves albums in the Share library, those can be downloaded by other users connected to the Internet.



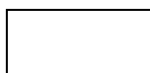
- displays the current download status. When the album download is completed, the album is automatically activated.



- displays the name specific to your player system. Other owners of the same system can also view this device name. This is useful when sharing your own albums.

ABOUT

- displays the current Operating System (OS) version as well as the Ethernet IP address.



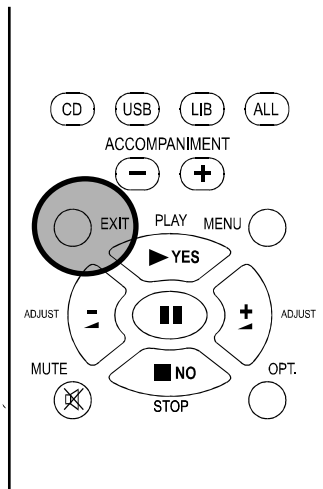
- after pressing yes, the current operating system version is displayed for example:
Ok: Built 1.XX, Pianoforce Performer Ext., ECR
V 3.XX, FP V. 1.XX., ECRSN xxxxxxxxxxxx



- displays the current medium and song type

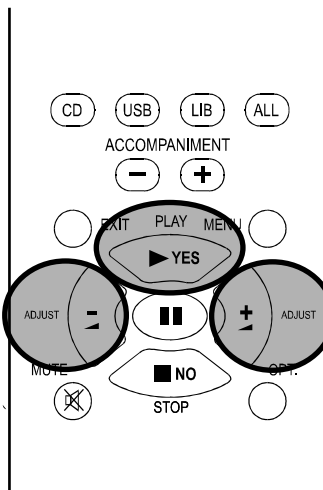


- displays the available storage memory for example:
OK Lib: Used XX % of full capacity, XXX.XM.



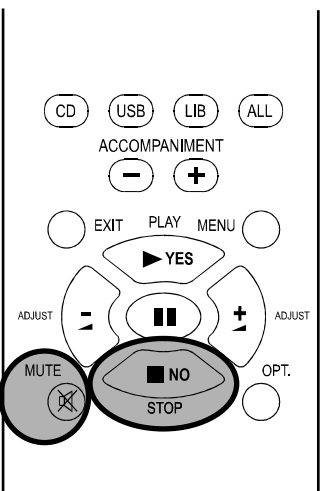
EXIT

- to Exit current menu or dialog without any additional action taken.



PLAY - YES

- use the PLAY - YES button to start to play the currently selected song, or to confirm the selected item.



ADJUST +

- use this button to increase the main volume (MXX), to view next menu item or increase the selected parameter.

ADJUST -

- use this button to decrease the main volume (MXX), to view previous menu item or decrease the selected parameter.

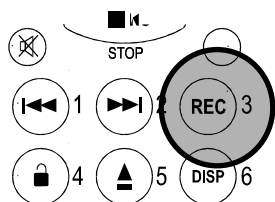
STOP - NO

- use this button to stop playback, exit menu item or go to lower level function item.

MUTE

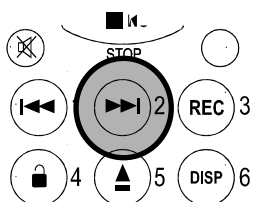
- mutes and un-mutes the song playback.

REC - RECORD



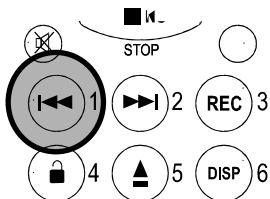
- press the Record button to start the Quick Record.
Note: The optional record system has to be installed in order to record.
 When record is active, the display reads: "Now Recording"
 When finished, press the STOP button. The recorded song will be saved in the temporary Quick Record library.

FWD/NEXT



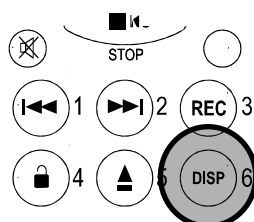
- use the NEXT/FORWARD button to select the next song to play, select the next character when entering a new song, library or album name. When a song is playing, hold this button for 2 seconds to engage fast forward.

REW/PREV



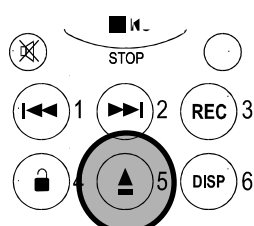
- use the REWIND/PREVIOUS button to select the previous song to play, select characters when entering or editing a new song, library or album name. When a song is playing, hold this button for 2 seconds to engage fast rewind.

DISP - DISPLAY

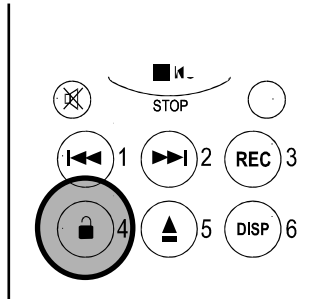


- toggles between the 3 display options:
 1. Displaying play time in minutes and seconds
 2. Displaying album information (name, number of songs)
 3. Displaying the title and track number of the currently playing song.

EJECT

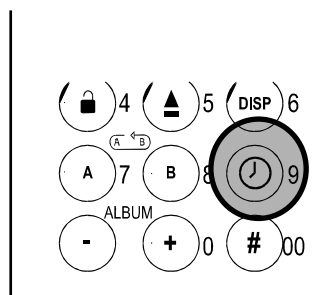


- when pressing this button the CD tray opens just like when using the touchless eject sensor on the display.



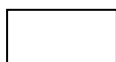
UNLOCK

-press this button to open the UNLOCK function menu. In order to use this function one of the Stars and Tracks original audio CD has to be inserted into the CD drive. After the playback starts the display reads that the song or album is locked. Press YES to read the direction and the unlock code request number for the particular CD. See Digital Rights management section!

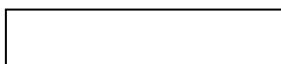


CLOCK

- to enter the timer menu (Sleep, Daily Schedule, Set Date/Time)



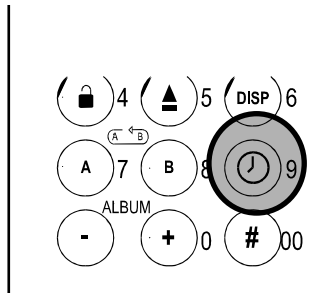
- press the CLOCK button followed by YES. Use the ADJUST + - buttons so select SLEEP if other function is displayed. Press YES. The displays shows: SXX (XX is the number of minutes the timer is set to turn off the player system. To change and set the desired minutes for the sleep mode, use the ADJUST + - buttons or the PREV/REW FWD/NEXT buttons. Press YES to confirm and activate the sleep function. To turn the SLEEP mode off, press NO while the sleep time is displayed.



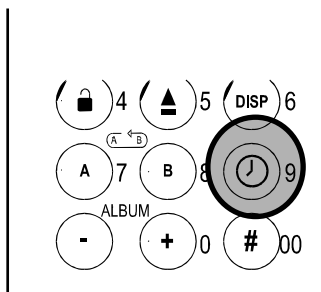
- the Daily Scheduler function allows you to set and save the time of the day for automated playback start and stop.

Note: before setting up Sleep Mode or Daily Schedule please check if the date and time is set correctly for your location!

To program the daily playback start time press the CLOCK button. Use the ADJUST + - to select Daily Schedule. Press YES and select the On Time. Press YES, the display will show XX:XX for hours and minutes (in 24 hour mode). XX:XX will be underlined first prompting to enter the desired hour setting. Use the ADJUST + - buttons to set the time. When the hour is set, use the FWD/NEXT button to move the blinking line to underline the minutes displayed: XX:XX. Set the desired minutes with the Adjust + - buttons. Enable the Daily Schedule function to Enable (using the NEXT/FWD or PREV/REW buttons followed by YES.

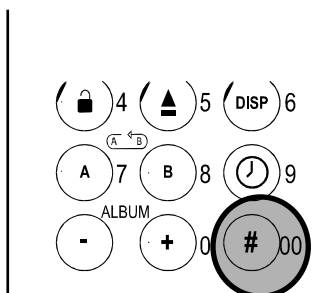


- to adjust current date and time. Press YES: display shows: Set Date/Time. Press YES. The current date is displayed MM/DD/YY where the MM is underlined with the flashing cursor. To change the number use the ADJUST + - buttons. To move the cursor (flashing underline) use the REW/PREV or FWD/NEXT buttons. When the new date and time is selected, press YES to confirm. The display will confirm that the new date/time was saved.



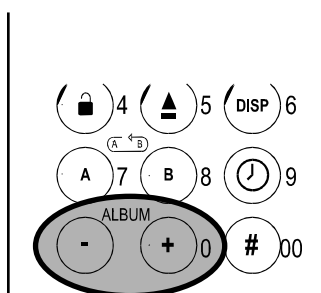
A - B REPEAT

- the A - B repeat function loops a selected section of a song. This is a useful function if you want to learn a song part by part (this function can be also used together with the TEMPO adjust buttons, to slow down the section you want to learn). During playback press B at the point you want to set the loop start to. Press B again at the point you want the loop to end. To stop the loop function and return to normal play, press A.



NUMBER BUTTON

- to select the Number Mode. After the Number Button is pressed, a specific song or album can be selected by the numeric buttons. For example to select song number 89 first press the # button and shortly after the number 8 and 9 buttons. Then press the YES/PLAY button to start the selected song.



ALBUM

- the ALBUM + button selects the next Album in the internal library. The ALBUM - button selects the previous album from the internal library.
Note: Source LIB (Library) has to be selected to use the ALBUM + - selection buttons!

MENU ITEMS



Source - When selecting the Source, you can choose a new source for song playback. This can be either CD, USB or one of the internal libraries and albums.

Audio - When selecting Audio, you can adjust the audio outputs volume and tone.

Piano - When selecting Piano, you can set the piano playback and recording parameters.

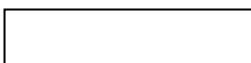
Playback modes - When selecting the Playback modes, you can set different playing modes such as playing songs in random order or repeat all songs from the selected album.

Options - When selecting Options, you can start features like copy current song or album to another, rename song or album and other special functions.

Setup - When selecting Setup, you can access most of the optional functions like display light level.

iNet - when selecting iNet, You can access all the Internet functions .

About - When selecting About, you can get diagnostic information about system details such Version of firmware or Ethernet IP Address.



Accompaniment Volume - when selecting Accompaniment volume, you can adjust the audio accompaniment.

Main Volume - When selecting Main volume, you can adjust the main volume. Press the ADJUST - + buttons on IR remote controller in basic mode.

Bass level - When selecting Bass, you can increase or decrease the low frequencies to the audio output.

Treble level - When selecting Treble, you can increase or decrease the high frequencies to the audio output.

BAL (Balance) - When selecting BAL (balance), you can shift the sound from the center position more right or left optimizing the imaging to your current listening position.

Acoustic mode - when selecting Acoustic mode, you can select either Acoustic mode enable (acoustic piano playback, or Acoustic mode disable for Headphones monitoring without the pianos action activated by the solenoids.

Note: The optional record system has to be installed for this feature!



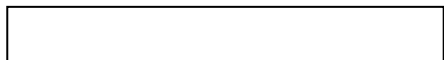
Split - When selecting Split, the piano keyboard will be split on a defined point (see Split Note) to two parts: left and right. These parts can be then enabled or disabled e.g. for practicing left or right hand play.

Left Hand - When selecting Left split, the playback of the left part of keyboard will be enabled or disabled. When it is disabled, you can practice the bass part of song with your left hand.

Right Hand - When selecting Right split, the playback of the right part of keyboard will be enabled or disabled. When it is disabled, you can practice playing the melody part of song with your right hand.

Split Note - When selecting split note, you can select the key where piano keyboard is virtually split into left and right parts. See Left split or Right split.

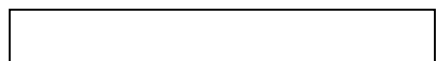
Expression - When selecting Expression, you can select the softness of piano automation playback performance. Three options are available: soft, medium and deep expression.



Soft - when selecting Soft piano playback Expression, piano automation will play most of notes with smaller expression levels.

Medium - when selecting Medium piano playback Expression, piano automation will be playing the songs with original note velocities.

Deep - When selecting Deep piano playback Expression, piano automation will play the songs with increased notes velocity levels. Piano and mezzoforte notes will be played quieter.



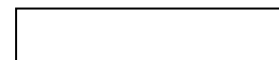
Normal Sequence - When selecting Normal Sequence, songs will be played in normal order from track 1 to 999.

Random Sequence - When selecting Random Sequence, songs will be played in random order.

Repeat Off - When selecting Repeat Off, no song will be repeated.

Repeat Song - When selecting Repeat Song, current song will be repeated.

Repeat Album - When selecting Repeat Album, all songs within current album will be repeated.



Copy song - When selecting Copy song function, you can copy the currently selected song to other selected album. System will ask you for target album. While selecting of target album, you can also create a new one.

Rename song - When selecting Rename song function, you can change the name of the selected song.

Delete song - When selecting Delete song function, you can delete the current song. You will be asked to confirm this operation because after the song is deleted, there is no way to recover it or undo the delete.

Add to Playlist - Add song to user created playlist. You can play your playlist after selecting Playlist source from the Source menu.

Copy album - When selecting Copy album function, you can copy all songs from the selected album to any other selected album. The system will ask You for a target. The system will create a new one.

Rename album - when selecting Rename album function, you can change the name of the selected album.

Delete album - When selecting Delete album function, you can delete the selected album together with all the songs stored in it. You will be asked to confirm this operation because after the album is deleted, there is no way to recover any of ther songs from the deleted album.

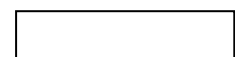
Add to library - When selecting Add to library function, you can add the current album to a destination group.

Change position - Change Song position (order) in the current album.

Sync with - when selecting Sync with function, you can synchronize current selected MIDI song with the selected CD Audio track. Note: Song, to be synchronized to CD has to be MIDI format.

Remove Sync - When selecting Remove Sync function, you can remove the synchronization of the currently selected song with synchronized MIDI file.

Unlock album - When selecting Unlock album, you can enter unlock key for this album.



Store Current Settings - When selecting Store Current Settings, you can store all current settings like defaults. After device power-up the system will have the current audio volumes, current selected album will be set, current playback mode will be set and some others.

Service - When selecting Service, you can access the service functions such as Setup of ECR.

Display Setup - When selecting Display Setup, you can enter all the display setup functions.

Network Setup - When selecting Network Setup, you can setup WiFi networks if WiFi access device is connected.

Status - When selecting Status, you can get information of the current album download status. When download is finished, while status is displayed, the downloaded album will be automatically activated for playback.

Device Name - When selecting Device Name, you can see the name of your player system. Other player system owners online will also see your system name. This is useful when you want to share some of our albums with friends, who have the same player system. They will see your player's name in iNet/Download.

MENU-ABOUT

Version - When selecting Version, the system displays the current firmware version number.

Medium - By selecting Medium, the player shows information about the current medium and song type.

Storage - When selecting Storage, the player displays the remaining capacity of the internal library and the connected USB storage device.

Network - When selecting Network, the player shows the current network interface addresses.

MENU-SERVICE

Solenoid Controller Setup - When selecting Calibration Solenoid Controller, you can enter all the setup functions of the playback engine. Note: These functions are intended to be used by certified installers.

Touch Sensors Setup - When selecting Touch Sensors Setup, you can check touch sensors or turn them on and off.

Upgrade Firmware - When selecting Upgrade software, you can start upgrading the operating system software.

Service - When selecting Service, you can access the system's service functions such as Setup of ECR.

MENU-SERVICE-SENSORS

Calibrate Sensors - When selecting Sensors Calibrate, you can recalibrate the display touch sensors to adapt to the new conditions.

Show status of Sensors - When selecting Sensors Status, you can check touch sensors status.

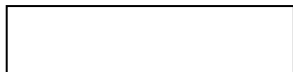
Touch Sensors Setup - When selecting Touch Sensors Setup, you can test the touch sensors, or turn them on and off.

CONNECTIONS

Gear - ECR 1 (Compatible with Ensemble CD)
 Record Strip (optional)
 MIDI I/O
 Headphones (on the left front side)
 Line Out L/R
 Line In L/R
 Microphone Input
 SPDIF Optical (Integrated with Line Out Connector)
 Ethernet - Connection to Internet or LAN for controlling
 with PC or home automation
 USB - storage class media (Flash Drive, Hard Disc, USB
 Floppy Drive, WIFI wireless Internet connection)

PIANOFORCE - PERFORMER

Playback sources and media formats



Internal Library (256MB-80GB)
 USB Storage Class
 Audio-CD
 AMI-CD (Player Piano CD Format)
 Data CD (MIDI files)



Pianomation CD
 PianoDisc CD (Released prior to 01/01/05)
 Yamaha Disklavier CD (Piano Soft Plus)
 WebOnlyPiano
 Stars and Tracks (Piano to audio CD sync)



WAV
 WAV+MIDI
 MIDI
 OGG (stereo 48-192 kbps)
 OGG+MIDI
 WPD - Pianodisc wav track
 WPM- Pianomation wav track
 WDK- Yamaha Disklavier wav track)

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Pianoforce Performance Limited Warranty

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

If your Performance 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 one (1) year 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 Pianoforce dealer.

This warranty, and the extent 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 Performance 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 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 authorized 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 its 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 *Performance* product:

1. Contact the *Performance* dealer from whom you purchased the product, or the nearest authorized dealer.
2. If no dealer is near you, call PianoForce LLC. at 877-542-8807
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 *Performance* products. Opening enclosures or attempting to service may compromise the device safety and will void the warranty. Removing or tampering with Warranty labels will void the warranty. Do not ship the product without prior written authorization from 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.

Performer Internal Library Song List

Pianoforce Performer has several internal libraries and albums. Here is a list of songs you will find in the libraries:

LIBRARY: CLASSICAL
Album: Classical 1

Nocturne
Schubert Minuette
Schubert Minuette 2
Etude in Major, Op.10 No 5
Romanian Folk Dances
Liszt 11
Chopin C# Minor
Scherzo No 2 in B Flat Minor Op 31
Etude No 15 Op 58
El Pele
Prelude in B Flat Major Op, No 2
Brahms Cziffra Hungarian Dance No 5
Traumerei
Romance Without Words
Ravel Oline
Polonese

LIBRARY: CLASSICAL
Album: Bach, Johann
Sebastian

Preludium C Major WTC 1
Fuga C Major WTC I
2 Part from piano concerto

LIBRARY: CLASSICAL
Album: Beethoven
Ludwig van

Moonlight Sonata
Sonata Nr. 14 cis mol op 27.2
Pathetique-Grave-Allegro di molto
e con brio
Pathetique - Adagio cantabile
Pathetique - Rondo Allegro

LIBRARY: CLASSICAL
Album: Chopin, Frederic

Impromptu No 4 C# Minor
Waltz Op. Posth. 69, No 1 A Flat Major
Waltz Op. 64, Nr. 1 D Flat Major Minute
Nocturno Op. 9, Nr. 2

LIBRARY: CLASSICAL
Album: Liszt, Franz

Rhapsody Nr. 2

LIBRARY: CLASSICAL
Album: Schubert, Franz

Piano Piece - Serenade

LIBRARY: CLASSICAL
Album: Mozart, Wolfgang
Amadeus

Rondo Alla Turca KV 331 Part 3

Performer Internal Library Song List

LIBRARY: JAZZ
Album: Jazz 1

Smile
Someday
Fly Me To The Moon
Black Orpheus
Green Dolphin Street
In a Sentimental Mood
Mercy Mercy Mercy
C Jam Blues
Summertime
Autumn Leaves
All Blues

LIBRARY: JAZZ
Album: Jazz 2

Cantaloupe
Moarnin
Nature Boy
Nearness of You
Night and Day
Over The Rainbow
Summer Sumba
Take 5
Wonderful
All The Things You Are
Lola Be

LIBRARY: JAZZ
Album: Standards

Once In A While
All The Way
Smoke Gets In Your Eyes
I'm In The Mood For Love
It was A Very Good Year
Stardust
Night And Day
For Sentimental Reasons
Softly As You Leave Me
Someone To Watch Over Me
The Way You Look Tonight
I Had A Craziest Dream
At Last
As Time Goes By
All The Things You Are
Skylark

LIBRARY: POPULAR
Album: Pop

Don't Worry Be Happy
Heal The World
I Shot The Sheriff
Killing Me Softly
Kiss From Rose
Perfect Day
Shape
Sunny
Unbreak My Heart

LIBRARY: OTHER
Album: Inspirational

Kingdom Life Now
Wayfaring Stranger
When I Survey The
Wondering Cross
While On The See
Just As I Am
To God To Be The Glory
How Firm Is The
Foundation
Joy To The World
Holy Holy Holy
My Shephard Would
Supply My Need and
Amazing Grace

LIBRARY: OTHER
Album: Latin Love Songs

It's Impossible
Maria Elena
Without You
More
With All My Heart
Acancao
All Of You
Quando Calienta Del Sol
Historia De Un Amor
Mucho Corason
Always In My Heart
Feelings
Dindi
De Nina Muher
Momentos
You Belong To My Heart

LIBRARY: OTHER
Album: New Age

Christoferi
Ashokan
Somewhere
Shadow
Rainbow Connection
Mistname
Homecoming
Romeo and Juliet
Interlude
Somemel
Lovesolo
Angeleye
Sonatame
Leaveson
Somewhere Out There