



# disklavier™

## *Silent Piano™*

### MPX70

Getting Started & Playback Manual

Manuel d'instruction et des fonctions de reproduction

Handbuch "Einstieg und Wiedergabe"

**IMPORTANT NOTICE FOR THE UNITED KINGDOM**

**Apply for Upright Models**

**Connecting the Plug and Cord**

IMPORTANT: The wires in mains lead are coloured in accordance with the following code:

BLUE : NEUTRAL  
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

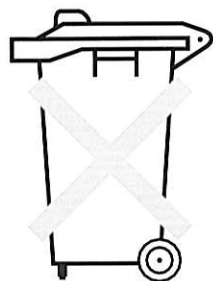
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Making sure that neither core is connected to the earth terminal of the three pin plug.

**Alleen voor klanten in Nederland**

Bij dit produkt zijn  
batterijen geleverd.  
Wanneer deze leeg  
zijn, moet u ze niet  
weggoien maar  
inleveren als KCA.



**disklavier™**

*Silent™*

**MPX70**

**Getting Started & Playback Manual**



# Important

**Read the following before operating the Disklavier.**

## Warnings

- Do not locate the Disklavier in a place subject to excessive heat, low temperatures, or direct sunlight. This could be a fire hazard and may damage the finish and internal parts.
- Excessive humidity or dust can lead to fire or electric shock.
- Connect the plug on the Disklavier power cable to a compatible AC outlet. Failure to do so will present a fire and electric shock hazard. If the power cable plug is not compatible with your AC outlet, consult your dealer.
- Do not plug several devices into the same AC outlet. This can overload the AC outlet, and lead to fire and electric shock hazard. It may also affect the performance of some devices.
- Do not place heavy objects on the power cable. A damaged power cable is a potential fire and electric shock hazard. If the power cable runs under a carpet, make sure heavy objects, including the Disklavier, are not placed on top of the cable.
- If the power cable is damaged (i.e. cut or a bare wire is exposed), ask your dealer for a replacement. Using the Disklavier in this condition is a fire and shock hazard.
- When disconnecting the power cable from an AC outlet, always pull from the plug. Never pull the cable. Damaging the cable in this way is a potential fire and electric shock hazard.
- The cover of the unit should be removed only by qualified service technicians.
- Do not place liquid containers such as vases, potted plants, glasses, cosmetic bottles, medicines, etc., on top of the Disklavier.
- Do not try to modify the Disklavier, as this could lead to fire or electric shock hazard.
- When moving the Disklavier to another location, turn off the power, remove the power plug from the AC outlet, and remove all cables connected to external devices.

## Cautions

- Turn off all audio devices when connecting to the Disklavier. Refer to the user's guide for each device. Use the correct cables and connect as specified.
- Set the volume level on all the devices to minimum before applying power.
- Do not play the Disklavier at a high volume for extended periods; you may damage your hearing. This is especially important when using headphones. If you think your hearing ability is impaired, consult your doctor.
- If the Disklavier is worked extremely hard – that is, prolonged playback of very “busy” songs – the Disklavier's thermal relay may trip. The thermal relay will automatically reset when the Disklavier has cooled down.
- If you notice any abnormality – such as smoke, odor, or noise – turn off the Disklavier immediately, and remove the power plug from the AC outlet. Consult your dealer for repair.
- If a foreign object or water gets inside the Disklavier turn it off immediately, and remove the power plug from the AC outlet. Consult your dealer.
- If you plan not to use the Disklavier for a long period of time (such as when you are on vacation), disconnect the electrical mains.

- Always remove the power plug from the AC outlet before cleaning the Disklavier. Leaving the power plug connected presents a risk of electric shock.
- Do not use benzene, thinner, cleaning detergent, or a chemical cloth to clean the Disklavier.
- Do not place metal objects with rubber feet on top of the Disklavier. The color and finish of the Disklavier can be damaged.
- Do not place heavy objects on the Disklavier. Doing so can damage the Disklavier.
- Use a soft, dry cloth to clean the Disklavier. However, if you discover a stain, carefully use a soft damp cloth to remove it.

## Interference

- The Disklavier uses high-frequency digital circuits that may cause interference to radios and TVs placed close to it. If interference does occur, relocate the affected equipment.

## Please keep this manual for future reference.

# Table of Contents

<b>Chapter 1</b>	
<b>Introduction .....</b>	<b>1</b>
Welcome to the Disklavier <i>Silent</i> Piano!.....	1
Items Supplied with the Disklavier .....	2
Disklavier Owner's Manuals.....	2
Trademarks & Copyright .....	3
Basic Disklavier Terminology .....	4
Application Guide.....	5
<b>Chapter 2</b>	
<b>Names of Parts and Their Functions ....</b>	<b>9</b>
Control Unit — Front Panel .....	9
Control Unit — Rear Panel.....	10
Silent Control Box .....	11
Remote Control.....	12
<b>Chapter 3</b>	
<b>Setting Up Your Disklavier .....</b>	<b>13</b>
Connecting the Control Unit .....	13
Connecting the Power Cable .....	13
Connecting a Speaker System .....	13
Power On Procedure .....	14
Power Off Procedure .....	15
Using the AUX Connectors.....	15
Connecting Other Equipment .....	16
<b>Chapter 4</b>	
<b>Using the Remote Control .....</b>	<b>17</b>
Installing Batteries in the Remote Control .....	17
Battery Replacement .....	17
Using the Remote Control .....	17
<b>Chapter 5</b>	
<b>Using Floppy Disks .....</b>	<b>18</b>
Handling Floppy Disks .....	18
Accidental Erasure Protection.....	18
Inserting & Ejecting Floppy Disks .....	18
<b>Chapter 6</b>	
<b>Display (LCD) .....</b>	<b>20</b>
Various Displays .....	20
<b>Chapter 7</b>	
<b>Basic Playback.....</b>	<b>23</b>
Starting Playback .....	23
Pausing Playback.....	24
Stopping Playback .....	24
Selecting Songs with the Control Unit.....	24
Selecting Songs with the Remote Control.....	25
Fast Preview & Review.....	25
Fast Forward & Reverse .....	26
Adjusting the Volume .....	27
Balancing the Ensemble Volume (TG Master Balance).....	28
Changing the Tempo.....	29
Transposing a Song.....	30
<b>Chapter 8</b>	
<b>Using the <i>Silent</i> Mode .....</b>	<b>31</b>
What is " <i>Silent</i> "? .....	31
Engaging the <i>Silent</i> Mode .....	31
Disengaging <i>Silent</i> Mode.....	31
Connecting Headphones.....	32
Adjusting the Volume of the <i>Silent</i> Piano.....	32
Applying Reverb Effects .....	32
Changing the Polyphony Setting .....	33
Tuning the Digital Piano .....	34
Cancelling Keyboard Motion During <i>Silent</i> Playback .....	34
<b>Chapter 9</b>	
<b>Repeat Playback .....</b>	<b>36</b>
All Song, Single Song, Random Repeat .....	36
Segment A ~ B Repeat.....	37
Segment A ~ (Return & Pause) Repeat.....	38
Starting Playback from a Specified Point (Search) .....	39
<b>Chapter 10</b>	
<b>Auto Start &amp; Space Playback .....</b>	<b>41</b>
Setting Auto Start.....	41
Auto Start .....	41
Timer-Controlled Playback.....	42
Setting Space Playback.....	43
Space Playback .....	44
<b>Chapter 11</b>	
<b>Useful Functions for Learning Piano .45</b>	
Cancelling the Left-Hand or Right-Hand Piano Part .....	45
Operating the Pedals Yourself .....	45
Using the Metronome .....	46
Playback with the Metronome .....	48
Adjusting the Metronome Volume in <i>Silent</i> Mode .....	48
<b>Chapter 12</b>	
<b>Playing the Keyboard with an Ensemble Voice .....</b>	<b>49</b>
Assigning an Ensemble Voice .....	49
Playing with an Ensemble Voice in <i>Silent</i> Mode .....	50
<b>Chapter 13</b>	
<b>Advanced Ensemble Song Playback ..51</b>	
Tuning the Tone Generator (TG Master Tune) .....	51

Playing the Piano Parts on the Tone  
Generator .....52  
Displaying Ensemble Voices .....53  
Selecting Tracks for the Piano Parts ..... 54

**Appendix**  
**Internal XG Tone Generator Voice &  
Drum Kit List..... 56**  
Internal XG Tone Generator Basic Voice List.. 56  
Internal XG Tone Generator Drum Kit List..... 57

# Chapter 1

## Introduction

### Welcome to the Disklavier *Silent* Piano!

Thank you for purchasing the Disklavier *Silent* piano!

The Disklavier *Silent* is a fascinating instrument that integrates a classic Yamaha acoustic piano with innovative electronics to suit your entertainment, educational, and creative needs, while retaining the tone, touch and long-term value that have long made Yamaha pianos the world’s finest. Moreover, the built-in *Silent* system allows you to enjoy all the functions of the Disklavier in what, to others, is apparently total silence. For example, by switching to *Silent* mode and connecting headphones, you can enjoy PianoSoft™ Ensemble playback as loud as you like, even in the middle of the night. You can also practice playing the piano without anyone listening in or without worrying about disturbing those around you.

#### Versatile Playback Functions

Using an advanced system of fiber-optic sensors, the Disklavier ensures that even the most demanding performance is played back faithfully. A variety of playback controls — volume, tempo, transposition, repeat and search — offers exceptional flexibility for music study, accompaniment and other activities. A built-in metronome is also provided. With L/R recorded music, you can listen to one hand at a time or practice one hand while the Disklavier plays the other.

A vast library of Yamaha PianoSoft™ and PianoSoft-Plus™ disks offer world-class professional performances that you can play back on your Disklavier.

#### Integral Recording Functions

Songs you play on the Disklavier can be recorded with great accuracy. Specially designed optical key sensors register every aspect of the player’s performance. Songs can be recorded onto the internal Memory Disk, which provides 1MB of memory, or onto standard 3.5” 2DD or 2HD floppy disks. As left- and right-hand parts can be recorded either separately or together, you can record an inspired performance or compose pieces for four hands and Ensemble songs as well.

#### Internal XG Tone Generator Features

A Yamaha XG tone generator gives you access to a full spectrum of instrumental accompaniment. You can listen to fully orchestrated Ensemble songs or select from the variety of instrumental voices available to create your own Ensemble song.

Compatible with Yamaha XG and General MIDI standards, the internal tone generator can deliver nearly 700 instrumental and percussion voices.

#### *Silent* Function

The Yamaha *Quick Silent™* system engages a hammer shank stopper, which prevents the hammers from hitting the strings, effectively silencing the acoustic piano. Incorporated optical sensors “read” your playing, and transmit performance information to the digital piano tone generator. You can listen to the *Silent* piano using stereo headphones (included).

The piano sound of the built-in *Silent* digital piano tone generator is stereo-sampled from a fine Yamaha concert grand piano. It features reverb effects that simulate the sound of playing in a concert hall, etc. (This



tone generator is used exclusively for the *Silent* function, and should not be confused with the XG tone generator.)

Music Editing & Utility Functions

The Disklavier supports both Standard MIDI File and E-SEQ format songs and disk types. For compatibility, song formats and disk types can be converted. Other functions include versatile track editing capabilities, plus formatting, copying, and titling disks.

Innovative External Interface

With a simple cable connection, you can play back and record songs using external MIDI devices, such as synthesizers and sequencers. You can also connect your Disklavier directly to a personal computer for a variety of uses.

Items Supplied with the Disklavier

Check that the following items are supplied with your Disklavier.

1	Remote Control
2	Batteries for the Remote Control
1	Disklavier Sample Disk (PianoSoft)
1	Blank Floppy Disk
1	Getting Started & Playback Manual
1	Advanced Operation Manual
1	HPE-170 Stereo Headphones
1	Audio Cable (stereo RCA to stereo 1/4" plug)

Disklavier Owner's Manuals

Your Disklavier is supplied with two operating manuals: this *Getting Started & Playback Manual* and an *Advanced Operation Manual*.

(A) Getting Started & Playback Manual

To quickly gain a good understanding of your Disklavier, you should start by reading this manual. This will introduce you to the Disklavier's features and functions, show you how to set up your Disklavier, how to play back songs, and how to use the piano in *Silent* mode. Playback functions include basic functions such as song select, volume adjustment and tempo change, along with other features such as repeat playback, playback using the metronome and pedals, and advanced Ensemble song playback.

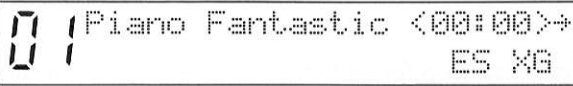
(B) Advanced Operation Manual

This manual explains how to record your own songs, and use the various disk and song file utilities, such as song copy, delete, etc. It also shows how the Disklavier can be used in a MIDI system with a MIDI tone generator or MIDI sequencer, or connected to a computer. Chapters on troubleshooting and a glossary of Disklavier terminology are also provided. At the very end of the manual, you will find a supplement on MIDI Data Format information.

Conventions Used in the Disklavier Manuals

Control Unit Display

The LCD on the Control Unit is used in conjunction with most of Disklavier's functions, for setting parameters, selecting options and displaying various information.



Whenever a song is selected, the song number is indicated by the 2-digit indicator. However, in this manual actual numbers have been omitted.

Control Unit and Remote Control Buttons

Many of the Disklavier's functions can be operated using either the Control Unit or the remote control. When the remote control can be used, the relevant remote control button is illustrated, for example, as below.



Remote Control

When a Control Unit or remote control button is mentioned in the text, the name of the button is enclosed in square brackets, for example, the [PLAY/PAUSE] button.

Pedals

The Disklavier pedals are named as follows throughout this manual.

Left	Center	Right
Soft Pedal	Silencing pedal	Sustain Pedal

Trademarks & Copyright

Yamaha, Disklavier, *Silent* series, *Quick Silent*, PianoSoft, and PianoSoft-Plus are trademarks of Yamaha Corporation. Unauthorized copying of PianoSoft or PianoSoft-Plus disks is prohibited.

MS-DOS is a registered trademark of Microsoft Corporation.

## Basic Disklavier Terminology

The following is a list of several basic Disklavier words that you may need to know before proceeding with operational procedures in this manual. For other Disklavier terminology, see the glossary provided on page 90 of the *Advanced Operation Manual*.

### Disk

“Disk” is used as a generic term to refer to both the floppy disk and internal Memory Disk. All Disklavier playback, recording, and disk utility functions can be used for both the internal Memory Disk and floppy disks.

### Ensemble Song

An Ensemble song contains the same left and right-hand parts as an L/R song, and extra tracks that are played by the internal XG tone generator. Accompanying tracks can include acoustic bass, drums, strings, vibes, etc.

### Floppy Disk

The magnetic storage medium that the Disklavier uses to save songs. The Disklavier uses 3.5 inch 2DD and 2HD floppy disks.

### L/R Song

In a L/R song, the left-hand piano part is stored on track 1 (L) and the right-hand piano part is stored on track 2 (R). During playback you can cancel either part, and practice that part yourself. When recording an L/R song, you can record the two parts simultaneously or separately.

### Memory Disk

The Disklavier also has an internal Memory Disk that allows you to store song data without a floppy disk.

### MIDI

An acronym for Musical Instrument Digital Interface. MIDI allows electronic musical instruments to communicate with each other.

### PianoSoft™

The PianoSoft Disk Collection is a library of prerecorded song disks, made by Yamaha, specially for use with the Disklavier Series. There are many titles available and music styles include classical, jazz, popular, and others. As well as songs for listening enjoyment, there are piano study disks for the piano student and accompaniment disks for vocal and instrumental practice.

PianoSoft is sometimes used as a generic term for PianoSoft and PianoSoft-Plus.

### PianoSoft-Plus™

PianoSoft-Plus disks contain prerecorded Ensemble songs featuring instrumental accompaniment that can be played on the Disklavier. Since this Disklavier has an XG compatible tone generator built in, all you need to start playing an Ensemble song is amplified speakers.

See your Disklavier dealer for a PianoSoft catalog.

### Polyphony

The maximum number of voices (different sounds) that can be produced at a time.

### Quick Silent System

Yamaha's unique system that allows you to play silently, at any time, without disturbing others. The center pedal of the piano engages a hammer shank stopper, which prevents the hammers from hitting the strings, effectively silencing the piano. The *Quick Silent* system also uses optical sensors to read your playing, and transmit it to the internal digital piano.

### Soft Mode

A volume setting for the Disklavier in normal mode, in the range -7 to -10. In this mode, playback volume is greatly reduced by the extended use of the soft pedal mechanism.

### Song

A “song” usually means a short piece of music with lyrics. However, in the Disklavier manuals, the term “song” is used to refer to any piece of music.

### XG

Yamaha XG is an extension of the GM (General MIDI) format. With greater polyphony, more voice, and effects, it improves song compatibility between MIDI devices. When a song in the Yamaha XG format is played on another XG compatible tone generator or synthesizer, it will play and sound as the original composer/creator intended.

## Application Guide

### Acoustic Piano Playing

The Disklavier is foremost a fine acoustic piano. The optical sensor system does not interfere in the least with the renowned “touch” of a Yamaha piano. Therefore, you can always play your Disklavier as you would any other Yamaha piano.

Note: It is not necessary to switch on the Disklavier when you simply want to play the piano.

### A Wide Variety of Applications

The Disklavier is a wonderfully flexible instrument. This section offers a few general ideas on how you can take the best advantage of your Disklavier.

The following applications are briefly described in this section:

- Home Listening Pleasure
- Music Education and Practice
- Vocal or Instrumental Accompaniment
- Ensemble Playing Using the Internal XG Tone Generator
- Commercial Establishment
- MIDI Musicians and Computer-Based Music Systems

## Home Listening Pleasure

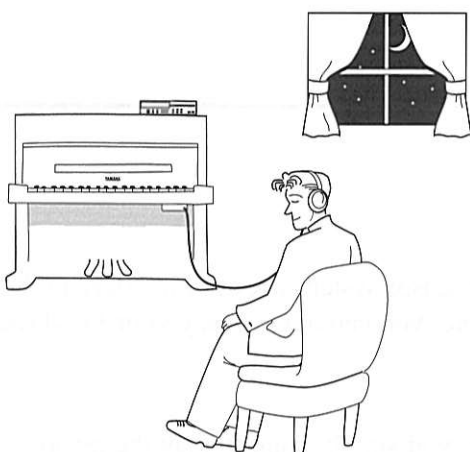


You can use your Disklavier to provide live piano entertainment in your home, at any time. The comprehensive PianoSoft collection offers a library of music that the whole family can enjoy, including selections from classical, jazz, easy listening, and popular music.

The full-function remote control enables you to control the Disklavier from your favorite armchair.

When entertaining guests, the Disklavier can be used to provide live or pre-recorded genuine piano performance.

## Private Listening



With your Disklavier in *Silent* mode, you can enjoy listening to PianoSoft and PianoSoft-Plus™ concerts or custom recordings through stereo headphones as loud as you like, even in the middle of the night, without disturbing others around you. What better way to wind down after a long day!

## Private Practice and Recording



You can play or record songs with the Disklavier any time you choose, even while your family is watching TV or chatting, with your playing audible only to you. Perhaps you may want to silently practice your song, and surprise the whole family when you've perfected it!

When you practice an L/R song in *Silent* mode, you can cancel the key action during playback and play along with the original performance you hear through your headphones. This is very useful for practicing difficult songs.

You can also connect a second pair of headphones and play a duet with another person silently.

## Vocal or Instrumental Accompaniment



With its versatile playback functions, the Disklavier is an ideal accompanist for solo vocal, chorus, flute, violin, trumpet, etc.

Better still, Disklavier accompaniment can be played at different tempos, in different keys, and any song or passage can be repeated again and again — with far more patience than any living accompanist could muster!

## Ensemble Playing Using the Internal Tone Generator



The Disklavier reproduces not only live piano music, but digital accompaniment as well, thanks to the internal XG tone generator. You can play back PianoSoft-Plus pre-recorded Ensemble songs and enjoy the sound of a variety of instruments — brass, woodwind, strings, bass, percussion, and more. You can also compose and record your own, assembling up to 16 different instrument parts.

## Performing Duets and Ensembles by Yourself



By cancelling the key action during playback of a song in *Silent* mode, you can play a duet or simply play along with the song or Ensemble song being played. In this way your Disklavier works as two digital pianos plus an orchestra. You can even compose and record a four-hand piano duet by yourself!



## Commercial Establishments



For dance studios, hotel lobbies, bars, party halls, and restaurants, the Disklavier is the perfect centerpiece. Establishments that provide live piano entertainment can continue to do so at all hours of the day or night, using prerecorded PianoSoft and PianoSoft-Plus (Ensemble) disks or custom recordings by the house musician.

In shopping malls, banks, or other places people meet, what better way to provide an enlightening moment than with the beautiful sound of the Disklavier!

## MIDI Musicians and Computer-Based Music Systems

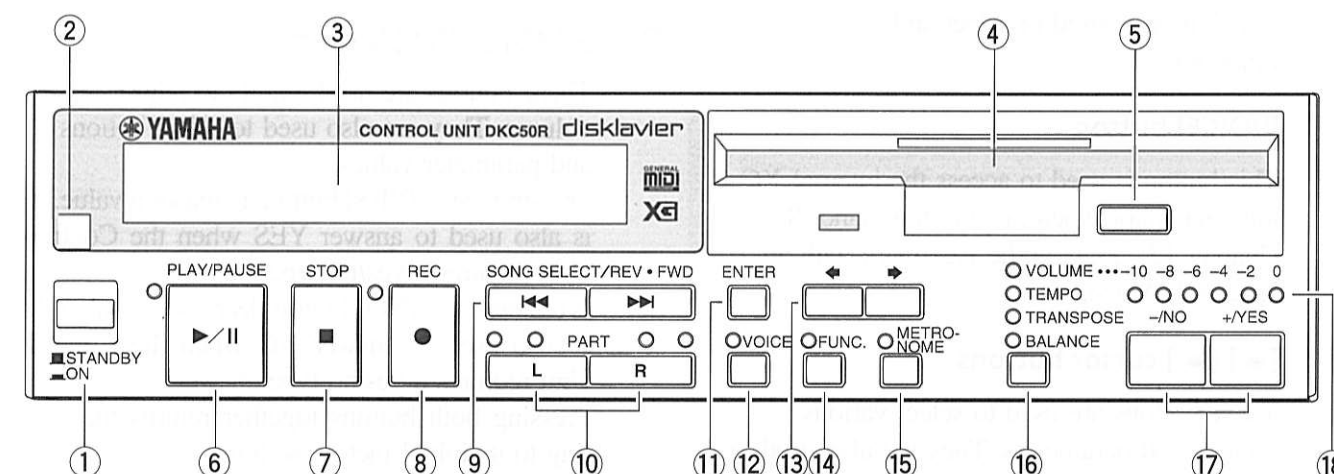


Those who enjoy making computer music can connect the Disklavier to MIDI-compatible synthesizers, sequencers, and drum machines, or to personal computers for a vast range of creative options. With its versatile abilities besides playback and recording functions, the Disklavier is an ideal tool for composition and performance.

# Chapter 2 Names of Parts and Their Functions

This chapter describes the functions of the buttons and parts of the Control Unit and remote control that are used to operate the Disklavier and to connect peripheral equipment.

## Control Unit — Front Panel



### ① [STANDBY / ON] button

This switch powers on the Disklavier or puts it in Standby mode. Press once to power on, and again to put it in Standby mode. In Standby mode, the control unit is in effect switched off. However, electrically it is in a state in which a very small quantity of power is being consumed, as the MAINS switch is still ON and the Disklavier is still connected to the AC power receptacle.

### ② Remote control sensor

When using the remote control, point it toward this sensor.

### ③ Display

This display (LCD) shows the number of the currently selected song, song time, and title. It also displays options, parameters, and settings in conjunction with all Disklavier's functions.

### ④ Floppy disk drive

Insert floppy disks here for playback, formatting, recording, etc.

### ⑤ Floppy disk eject button

This button is used to eject disks from the floppy disk drive.

### ⑥ [PLAY/PAUSE] button

This button is used to start and pause playback and recording.

### ⑦ [STOP] button

This button is used to stop playback and recording.

### ⑧ [REC] button

This button is used to engage the Record Standby mode before recording starts.

### ⑨ [SONG SELECT/REV-FWD] buttons

These buttons work in three different modes. In Stop mode they select songs. In Play mode they work as fast preview and review. In Pause mode they work as fast forward and reverse.

### ⑩ PART [L] [R] buttons

For L/R and Ensemble songs, these buttons allow you to choose which part to play back or record: L (left-hand) part, R (right-hand) part, or both. The green indicators light during playback, and the red indicators during recording.

Pressing both buttons together switches pedal playback on or off so that you can play the pedals yourself.

### ⑪ [ENTER] button

This button is used to select and execute functions.

### ⑫ [VOICE] button

This button is used to access the internal XG tone generator when playing the piano. See Chapter 12 “Playing the Keyboard with an Ensemble Voice.”

### ⑬ [◀] [▶] cursor buttons

These buttons are used to select various options and parameters. They are also used to move the cursor in the display when titling songs and disks, and when calling up a continuing display.

### ⑭ [FUNC.] button

This button is used to access disk and song functions, MIDI setup, and TG Master tune, *Silent* and reset functions.

### ⑮ [METRONOME] button

This button is used to access the metronome.

### ⑯ Selector button

This button is used to select the feature you want to adjust from among Volume, Tempo, Transpose, and Balance.

### ⑰ [-/NO] [+ /YES] buttons

These buttons are used mainly to adjust volume. They are also used to select options and parameter values.

Pressing the [+ /YES] button increases a value. It is also used to answer YES when the Control Unit requires a yes/no-type answer.

Pressing the [- /NO] button decreases a value. It is also used to answer NO when the Control Unit requires a yes/no-type answer.

Pressing both buttons together returns the setting to its initial factory setting.

### ⑱ LED volume level indicators

These LEDs indicate the playback volume level. They also function as a visual metronome.

### ③ TO CONTROL CABLE FOR PIANO

The control cable from the piano is connected here.

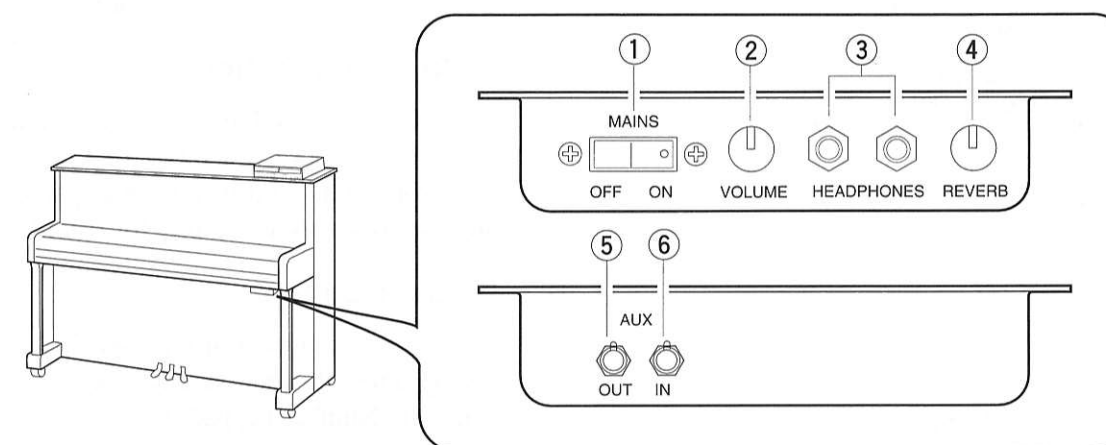
### ④ MIDI OUT

This connector is used to output MIDI data from the Control Unit. It allows output to MIDI-compatible tone generators, synthesizers, samplers, etc.

### ⑤ MIDI IN

This connector provides access to the Disklavier and internal XG tone generator. You can connect a MIDI keyboard, synthesizer, or MIDI sequencer to control the Disklavier, internal XG tone generator, or both.

## Silent Control Box



### ① MAINS (ON/OFF) switch

This switch is used to switch the Disklavier on and off. See pages 14 and 15 for information on power ON and OFF procedures.

**Note:** The MAINS switch needs to be switched off when you are not going to use the Disklavier for a long period of time. For daily use, only the [STANDBY / ON] button on the Control Unit needs to be switched on and off.

### ② VOLUME knob

This knob adjusts the volume level of the *Silent* digital piano.

**Note:** The volume of the *Silent* piano cannot be adjusted using the Selector on the Control Unit.

### ③ HEADPHONES jacks

The HPE-170 stereo headphones (included) or other standard stereo headphones are connected here for playing and listening to playback in *Silent* mode. You can connect up to two sets of headphones.

### ④ REVERB knob

This knob adjusts the amount of reverb for the *Silent* piano tone generator.

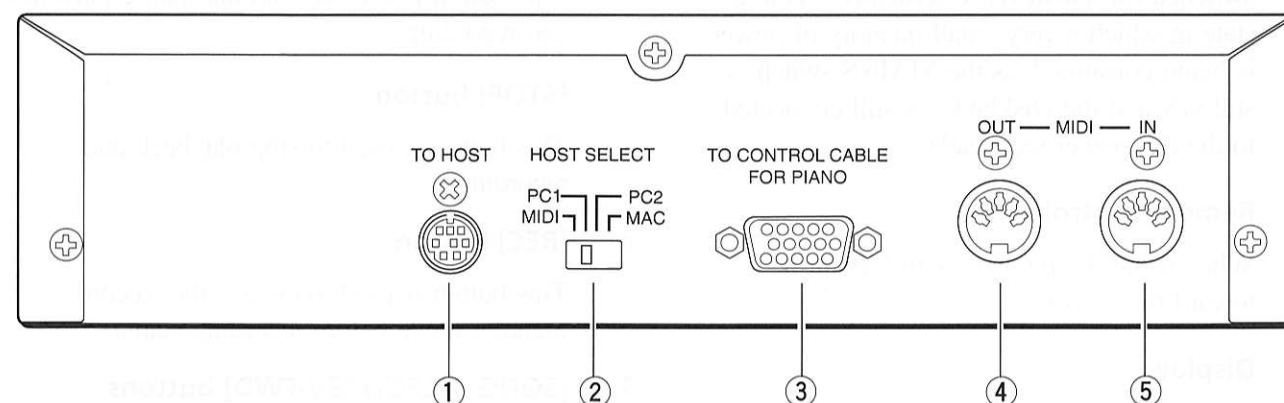
### ⑤ AUX OUT

This connector is used to output audio signal from the internal digital piano tone generator, XG tone generator, or the AUX IN connector. For Ensemble song playback in normal mode, an optional amplifier or powered speakers are connected here using the audio cable supplied (or equivalent).

### ⑥ AUX IN

This connector is used to connect external devices such as a CD player.

## Control Unit — Rear Panel

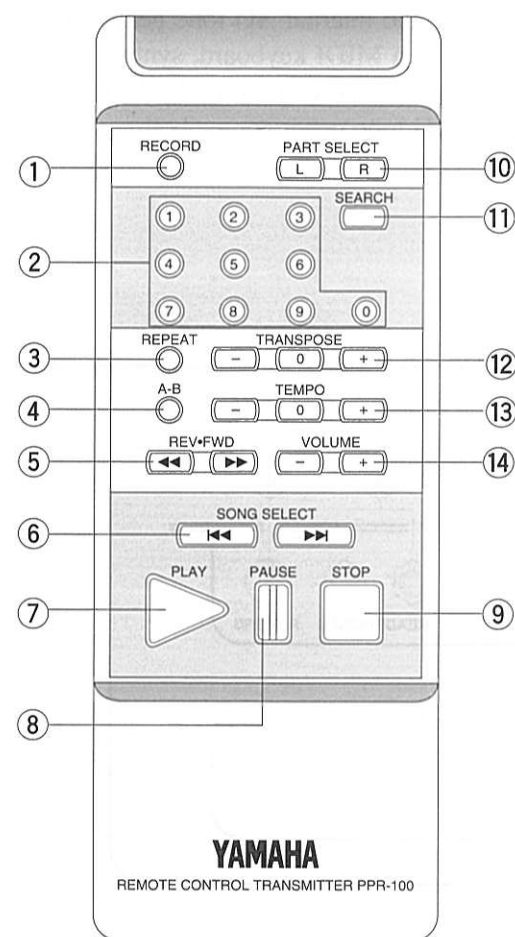


### ① TO HOST (serial port)

This connector is used to connect the Disklavier with a computer via serial cable.

### ② HOST SELECT

This switch is used to select the host computer machine to be connected to the TO HOST connector.



## ① [RECORD] button

Press to engage the Record Standby mode before recording starts.

## ② Number keypad\*

Used for direct song selection and to enter a start time for song playback.

## ③ [REPEAT] button\*

Used to select one of the Repeat functions: ALL, RPT, or RND.

## ④ [A-B] button\*

Used to enter A and B points for Segments A ~ B and A ~ Repeat modes.

## ⑤ [REV·FWD] buttons

In Play mode, these buttons work as fast preview and review.  
In Pause mode, they work as fast forward and reverse.

## ⑥ [SONG SELECT] buttons

Used to select songs.

## ⑦ [PLAY] button

Used to start playback.

## ⑧ [PAUSE] button

Used to pause playback and recording.

## ⑨ [STOP] button

Used to stop playback and recording.

## ⑩ [PART SELECT] buttons

For L/R and Ensemble songs, these buttons are used to choose which part will play; left-hand part, right-hand part, or both parts. They are also used to select a part for recording.

## ⑪ [SEARCH] button\*

Used to start playback from a specific time in a song. Press this button, enter the start time using the Number keypad, then press this button again.

## ⑫ [TRANPOSE] buttons

Used to transpose song playback.  
Press the [-] button to transpose down, the [+] button to transpose up.  
The [0] button is used to reset the transposition value to 00.

## ⑬ [TEMPO] buttons

Used to change the playback tempo.  
Press the [-] button to decrease the tempo, the [+] button to increase the tempo.  
The [0] button is used to reset the tempo to 00.

## ⑭ [VOLUME] buttons

Used to adjust the volume.  
Press [-] button to decrease the volume, and the [+] button to increase the volume.

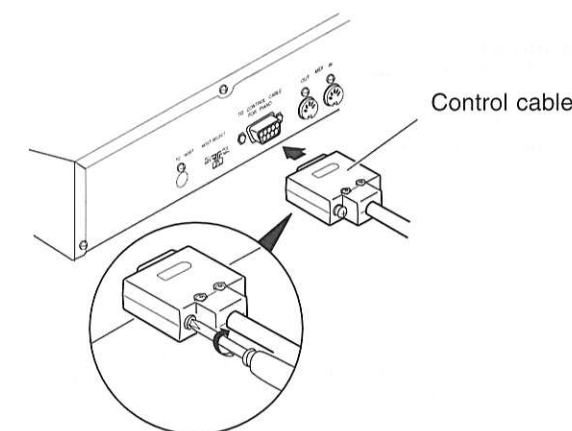
\* These buttons are available only on the remote control.

# Chapter 3 Setting Up Your Disklavier

Set up your Disklavier in the following order.

## Connecting the Control Unit

Make sure that the control cable extending from the piano is firmly connected to the TO CONTROL CABLE FOR PIANO connector on the rear panel of the Control Unit.



**Note:** The control cable should have been connected to the Control Unit when the Disklavier was installed. If, however, it was not, carefully connect the control cable to the Control Unit's TO CONTROL CABLE FOR PIANO connector on the rear panel.

The Control Unit may be placed on any stable surface on, near, or away from the Disklavier as far as the length of the cable will permit.

## Connecting the Power Cable

Connect the Disklavier's power cable to an AC wall outlet.

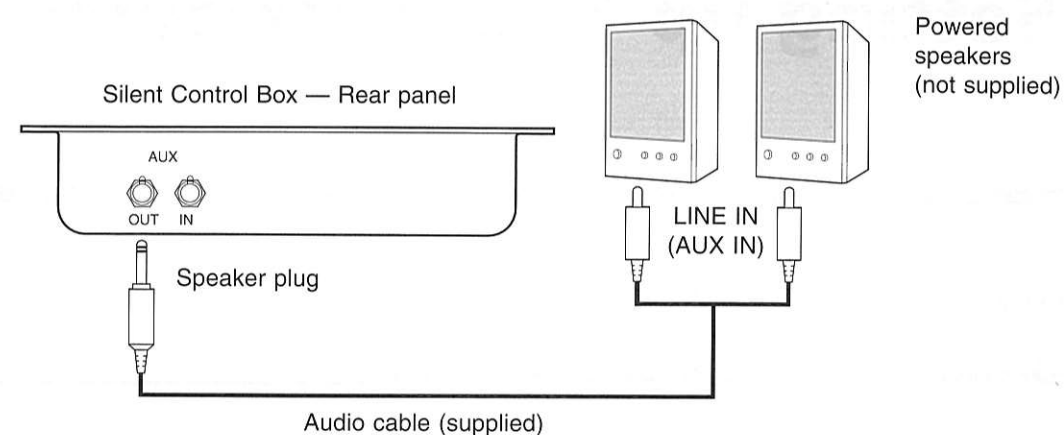
**Important:** Make sure that the voltage of the AC wall outlet matches that marked on the Disklavier's Serial No. plate.

## Connecting a Speaker System

To enjoy Ensemble songs in normal mode, use the audio cable supplied (stereo RCA to stereo 1/4" plug) to connect an amplifier/speaker to the AUX OUT connector on the rear panel of the Silent Control Box. If the audio cable connectors do not match your amplifier/speaker jack, you may need to use a plug adaptor (not supplied).

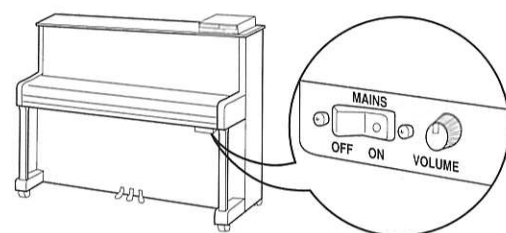
In *Silent* mode, instead of listening to the *Silent* piano through stereo headphones, you can use a speaker system. Since you can adjust the volume of the *Silent* piano, this can be useful when you don't want to wear headphones but want to play the piano very quietly.



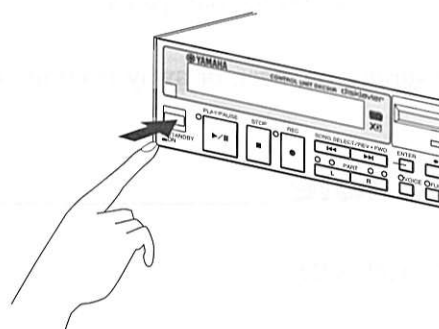


## Power On Procedure

- 1 Set the MAINS switch to ON.



- 2 Press the [STANDBY / ON] button on the front panel of the Control Unit.



The following message appears on the display.

00 \*\*\*\*\* YAMAHA \*\*\*\*\*  
\*\* DISKLAVIER Silent \*\*

- 3 Turn your sound system on if you will be playing back Ensemble songs.

Your Disklavier is now ready for use.

## Power Off Procedure

- 1 If you were using a sound system, turn it off.
- 2 Disengage the *Silent* mode if it had been engaged. See "Engaging the *Silent* Mode" on page 31.
- 3 Press the [STANDBY / ON] button on the Control Unit.
- 4 Set the MAINS switch to OFF.

Operating the Disklavier's MAINS switch is effectively the same as disconnecting the power cable from an AC wall outlet. So if the Disklavier is used regularly, you only need to use the [STANDBY / ON] button on the Control Unit. If the Disklavier is not going to be used for a long period, set the MAINS switch to OFF.

**Note:** The [STANDBY / ON] button on the control panel must be switched off before switching off the MAINS switch so that "soft mode", if used, is released. If soft mode is not released, the keyboard will become uneven, and the piano action will be unfit for playing. See "Adjusting the Volume" on page 27.

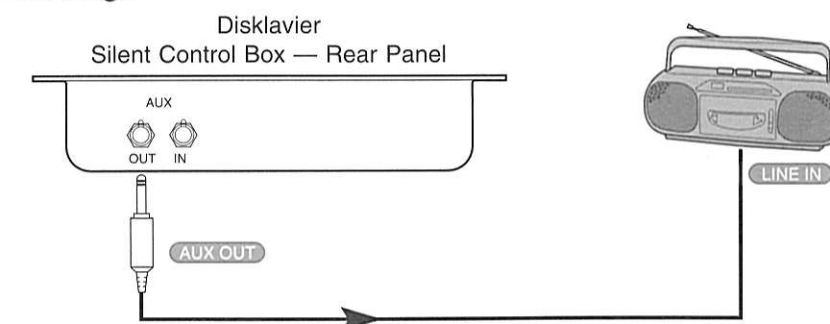
When the Disklavier is powered off, wait at least 5 seconds before powering on again.

## Using the AUX Connectors

You can connect the Disklavier to external audio devices, such as a stereo system, a tape recorder, or a CD player.

### AUX OUT

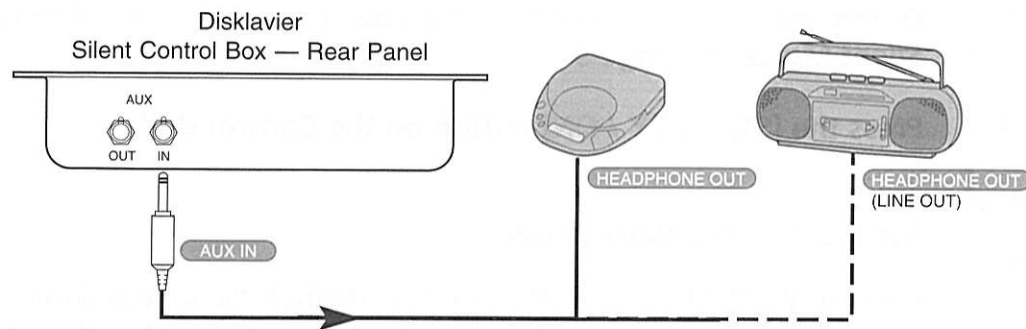
Instead of a speaker system, you can also connect a tape recorder to the AUX OUT connector to play back or record songs.



**Note:** Switch on the Control Unit first; then switch on the external device. (Switching on the Disklavier first will prevent any unwanted pops or loud noises which could damage your speakers or tape recorder.) Then, gradually turn the VOLUME knob on the Silent Control Box until the desired volume is obtained from the external device.

## AUX IN

You can connect an external device such as a CD player or tape recorder to the Disklavier and play along in *Silent* mode with your favorite recording while listening to it through stereo headphones or powered speakers.



Note: Switch on the external device first, then switch on the Disklavier. Then, gradually turn up the volume on the external device until a desirable volume is obtained.

## Connecting Other Equipment

To connect MIDI instruments to the Disklavier, see Chapter 8 “The Disklavier & MIDI” in the *Advanced Operation Manual*.

To connect a computer to the Disklavier, see Chapter 9 “The Disklavier & Computers” in the *Advanced Operation Manual*.

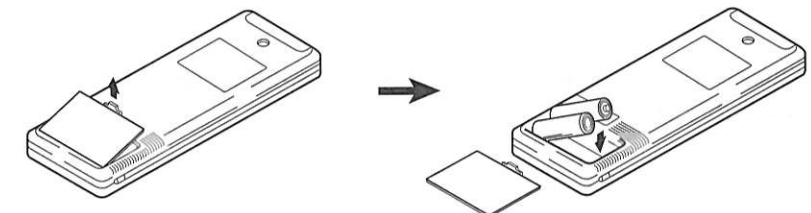
# Chapter 4 Using the Remote Control

The Disklavier is equipped with a remote control which allows convenient control from almost anywhere in the room. This chapter provides notes on handling the remote control.

## Installing Batteries in the Remote Control

Before the remote control can be used, the two batteries supplied with the Disklavier must be installed.

Remove the battery cover from the rear of the remote control (shown left), and install the batteries (shown right). Then, replace the cover.



A diagram inside the battery compartment shows which way they should be installed. Make sure that you insert the batteries correctly.

## Battery Replacement

- When the remote control fails to work from a distance, replace the batteries.
- Replacement batteries should be UM-3, AA, R6P, or LR6 type.
- Always replace both batteries.
- If the remote control is not to be used for a prolonged period of time, remove the batteries to prevent possible damage by battery leakage.

## Using the Remote Control

To use the remote control, point it at the remote control sensor on the Control Unit, as shown below, and press a button.

