

**disklavier™ *E3***  
**Classic**

Operation manual  
Manuel de l'utilisateur

# SPECIAL MESSAGE SECTION

**PRODUCT SAFETY MARKINGS:** Yamaha electronic products may have either labels similar to the graphics shown below or molded/stamped facsimiles of these graphics on the enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated on this page and those indicated on the safety instruction section.



SEE BOTTOM OF ENCLOSURE OR LOWER FRONT PANEL FOR GRAPHIC SYMBOL MARKINGS



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



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.

**IMPORTANT NOTICE:** All Yamaha electronic products are tested and approved by an independent safety testing laboratory in order that you may be sure that when it is properly installed and used in its normal and customary manner, all foreseeable risks have been eliminated. DO NOT modify this unit or commission others to do so unless specifically authorized by Yamaha. Product performance and/or safety standards may be diminished. Claims filed under the expressed warranty may be denied if the unit is/has been modified. Implied warranties may also be affected.

**SPECIFICATIONS SUBJECT TO CHANGE:** The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

**ENVIRONMENTAL ISSUES:** Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

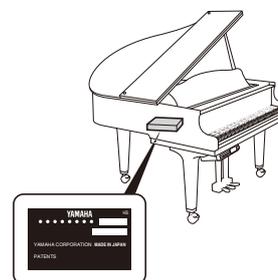
**Battery Notice:** This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

**Warning:** Do not attempt to recharge, disassemble, or incinerate this type of battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by applicable laws. Note: In some areas, the servicer is required by law to return the defective parts. However, you do have the option of having the servicer dispose of these parts for you.

**Disposal Notice:** Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc.

**NOTICE:** Service charges incurred due to lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer’s warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

**NAME PLATE LOCATION:** The graphic below indicates the location of the name plate. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.



Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Purchase Date \_\_\_\_\_

# SECTION DE MESSAGE SPÉCIAL

**INSCRIPTIONS DE SÉCURITÉ DU PRODUIT:** Les produits électroniques Yamaha peuvent comporter des étiquettes semblables aux représentations graphiques indiquées ci-dessous ou fac-similés moulés/estampés de ces représentations graphiques sur l'encoffrement. L'explication de ces représentations graphiques apparaît à cette page. Veuillez respecter toutes les précautions indiquées à cette page et celles indiquées dans la section des directives de sécurité.



VOIR SOUS L'ENCOFFREMENT OU EN BAS DU PANNEAU FRONTAL EN CE QUI CONCERNE LES INSCRIPTIONS DE SYMBOLE GRAPHIQUES



Le point d'exclamation placé dans un triangle équilatéral est destiné à alerter l'utilisateur de la présence de directives importantes sur l'utilisation et l'entretien (dépannage) dans la documentation qui accompagne le produit.



L'éclair de foudre avec le symbole en pointe de flèche dans un triangle équilatéral est destiné à alerter l'utilisateur de la présence d'une "tension dangereuse" non isolée circulant dans l'encoffrement du produit et qui peut avoir une puissance suffisante pour constituer un risque d'électrocution.

**NOTIFICATION IMPORTANTE:** Tous les produits électroniques Yamaha sont vérifiés et approuvés par un laboratoire de contrôle de sécurité indépendant pour que vous puissiez être sûr que quand il est correctement installé et utilisé de façon normale et habituelle, tous les risques prévisibles ont été éliminés. NE modifiez PAS cet appareil ni déléguez d'autres personnes à le faire à moins d'être autorisé spécifiquement par Yamaha à le faire. Les performances de ce produit et/ou les normes de sécurité peuvent être diminuées. Les réclamations soumises sous les termes de la garantie exprimée peuvent être refusées si l'appareil est ou a été modifié. Des garanties implicites peuvent également être affectées.

**CARACTÉRISTIQUES SUJETTES À MODIFICATION:** On pense que les informations contenues dans ce manuel sont correctes au moment de l'impression. Cependant, Yamaha se réserve le droit de changer ou de modifier toute caractéristique sans avis préalable ni obligation de mettre à jour les appareils existants.

**PUBLICATION SUR L'ENVIRONNEMENT:** Yamaha s'efforce de produire des appareils qui réunissent à la fois la sécurité à utilisateur et constituent un environnement convivial. Nous croyons sincèrement que nos produits et les méthodes de production les produisant, atteignent ces buts. En accord avec la lettre et l'esprit de la loi, nous voulons que vous vous rendiez compte de ce qui suit :

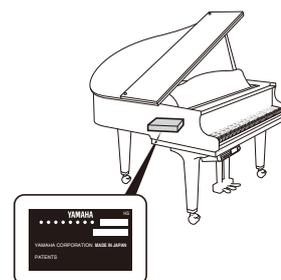
**Notification relative à la batterie:** Ce produit PEUT contenir une petite batterie non-rechargeable qui (quand ceci est applicable) est soudée en place. La durée moyenne de ce type de batterie est approximativement de cinq ans. Quand le remplacement devient nécessaire, prenez contact avec un technicien qualifié pour exécuter le remplacement.

**Avertissement:** N'essayez pas de recharger, démonter ou incinérer ce type de batterie. Maintenez toutes les batteries hors de la portée des enfants. Mettez les batteries usées au rebut et promptement conformément aux obligations imposées par les lois applicables. Remarque: Dans certains secteurs, il est exigé par la loi que le préposé à l'entretien renvoie les pièces défectueuses. Cependant, vous avez l'option que le préposé à l'entretien mette ces pièces au rebut pour vous.

**Notification de mise au rebut:** Si ce produit était endommagé au delà de la possibilité du dépannage, ou pour quelque raison si sa durée de vie utile est considérée comme arrivant à terme, veuillez respecter la réglementation d'état, locale et fédérale et qui est associée à la mise au rebut des produits qui contiennent du plomb, des batteries, des plastiques, etc.

**NOTIFICATION:** Les frais administratifs encourus en raison d'un manque de connaissance concernant la façon dont une fonction ou des effets réagissent (quand l'appareil est utilisé comme conçu) ne sont pas couverts par la garantie du constructeur, et incombent pour cette raison la responsabilité des propriétaires. Veuillez étudier attentivement ce manuel et consultez votre distributeur avant de demander un dépannage.

**EMPLACEMENT DE LA PLAQUE SIGNALÉTIQUE:** La représentation graphique ci-dessous indique l'emplacement de la plaque signalétique. Le numéro de modèle, le numéro de série, les conditions d'alimentation électrique, etc., sont mentionnées sur cette plaque. Vous devriez enregistrer le numéro de modèle, le numéro de série et la date de l'achat dans les espaces fournis ci-dessous et conserver ce manuel comme relevé permanent de votre achat.



Modèle \_\_\_\_\_

Numéro de série \_\_\_\_\_

Date d'achat \_\_\_\_\_

# IMPORTANT SAFETY INSTRUCTIONS

**WARNING** — When using any electrical or electronic product, basic precautions should always be followed. These precautions include, but are not limited to, the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
16. Do not put burning items, such as candles, on the apparatus.
17. Do not place this product or any other objects on the power cord or place it in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. NOTE: The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.
18. **WARNING** — To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
19. Care should be taken that objects do not fall and liquids are not spilled into the enclosure through any openings that may exist.
20. This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist. IMPORTANT: The louder the sound, the shorter the time period before damage occurs.
21. Some Yamaha products may have benches and/or accessory mounting fixtures that are either supplied as a part of the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured BEFORE using. Benches supplied by Yamaha are designed for seating only. No other uses are recommended.
22. This product shall be connected to a MAINS socket outlet with a protective earthing connection.
23. This product has a power switch for shutting off all system. The switch is located on the Power Supply Unit nearby the entrance of the AC cord. Note that the switch on the Controller does not shutdown all system.
24. Make sure that the plug of the Power Supply Unit's power cable can easily be disconnected from the AC outlet as a measure of precaution.

## Battery

- Danger of explosion if battery incorrectly replaced. Replace only with the same type.

## Outlets for Speakers

- Connect speakers of 2A or less of totals. Do not connect other products except speakers.
- Consult Yamaha service technician when using the outlets outside the purchased area.

# INSTRUCTIONS DE SÉCURITÉ IMPORTANTES

**AVERTISSEMENT** — Lors de l'utilisation de n'importe quel appareil électrique ou électronique, les précautions fondamentales devraient toujours être suivies. Ces précautions comprennent, mais ne sont pas limitées à, ce qui suit:

1. Lisez ces directives.
2. Conservez ces directives.
3. Observez tous les avertissements.
4. Suivez toutes les directives.
5. N'utilisez pas cet appareil près de l'eau.
6. Nettoyez seulement avec un tissu sec.
7. Ne bloquez aucune des ouvertures de ventilation. Installez conformément aux directives du constructeur.
8. N'installez près d'aucune source de chaleur telle que des radiateurs, des registres de chaleur, des appareils de chauffage ou d'autres appareils (amplificateurs y compris) qui produisent de la chaleur.
9. N'asservissez pas l'objectif de sécurité de la prise de type polarisée ou de mise à la terre. Une prise polarisée a deux lames avec une plus large que l'autre. Une prise de type à mise à la terre a deux lames et une troisième lame de mise à la terre. La lame large ou la troisième lame est prévue pour votre sécurité. Si la prise fournie ne s'ajuste pas dans votre prise secteur, consultez un électricien pour le remplacement de l'ancien modèle de prise.
10. Protégez le cordon d'alimentation de secteur afin que personne ne puisse marcher ni le pincer en particulier les prises, les prises de courant et la position où il quitte de l'appareil.
11. Utilisez seulement les équipements ou accessoires indiqués par le constructeur.
12. Utilisez seulement avec le chariot, le support, le trépied, la platine de fixation ou la table indiquée par le constructeur, ou vendue avec l'appareil. Quand un chariot est utilisé, faites attention en déplaçant la combinaison chariot/appareil pour éviter de se blesser en renversant l'appareil.
13. Débranchez cet appareil pendant les orages et la foudre ou s'il est inutilisé pendant de longues périodes.
14. Confiez toutes les opérations d'entretien au personnel de service qualifié. L'entretien est exigé quand l'appareil a été endommagé de quelque façon que ce soit, comme par exemple l'endommagement du cordon ou de la prise d'alimentation secteur, quand du liquide a été renversé ou que des objets sont tombés dans l'appareil, l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement ou est tombé par terre.
15. Ce produit ne doit pas être exposé à un suintement ou des éclaboussures et aucun objet rempli de liquide, tels que des vases, ne doit être mis sur l'appareil.
16. Ne mettez pas des articles brûlants, tels que des bougies, sur l'appareil.



17. Ne placez ce produit ni aucun autre objet sur le cordon d'alimentation secteur ou ne le placez pas dans une position où n'importe qui pourrait marcher dessus, trébucher dedans ou faire rouler n'importe quoi sur les cordons d'alimentation en aucune manière. L'utilisation d'un cordon prolongateur n'est pas recommandée ! Si vous devez utiliser un cordon prolongateur, la taille minimum du calibre de fil du cordon pour un cordon de 25 pouces (ou moins) est de 18 du calibre américain normalisé. REMARQUE: Plus le numéro du calibre américain normalisé est petit, plus la capacité de gestion de l'intensité est grande. Pour de plus longs cordons prolongateurs, consultez un électricien local.
18. **AVERTISSEMENT** — Pour réduire les risques d'incendie ou de décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.
19. Un soin tout particulier devrait être pris pour qu'aucun objet ne tombe et que des liquides ne soient renversés dans l'encoffrement par aucune des ouvertures qui peuvent exister.
20. Ce produit, individuel ou en combinaison avec un amplificateur et des écouteurs ou le ou les haut-parleurs, risque de produire des niveaux sonores qui pourraient causer une perte d'auditive permanente. NE PAS mettre en service pendant une longue période à un niveau de volume élevé ou à un niveau qui est inconfortable. Si vous éprouvez n'importe quelle sorte de perte auditive ou de sonnerie dans les oreilles, vous devriez consulter un audiologiste. IMPORTANT : Plus le son est fort, plus la période de temps avant que les dégâts se produisent est courte.
21. Certains produits Yamaha peuvent avoir des supports et/ou des accessoires d'installation complémentaires qui sont fournis comme partie du produit ou en tant qu'accessoires optionnels. Certains de ces articles sont conçus pour être montés ou installés par le distributeur. Veuillez vous assurer que les supports sont stables et que tous les accessoires optionnels (quand ceci est applicable) sont bien fixés AVANT l'utilisation. Les supports fournis par Yamaha sont conçus pour un positionnement seulement. Aucune autre utilisation n'est recommandée.
22. Ce produit doit être connecté à une prise de sortie secteur munie d'une connexion protectrice par la mise à la terre.
23. Ce produit est muni d'un interrupteur d'alimentation permettant de couper l'alimentation de tout le système. L'interrupteur d'alimentation est installé sur le bloc d'alimentation tout près l'entrée du cordon d'alimentation secteur. Notez que l'interrupteur d'alimentation sur le contrôleur n'arrête tout le système.
24. Assurez-vous que la prise du cordon d'alimentation électrique du bloc d'alimentation peut facilement être débranchée de la prise de sortie secteur comme mesure de précaution.

## Batterie

- Risque d'explosion si la batterie n'est pas remplacée comme il faut. Remplacez seulement par le même type de batterie.

## Prises de sortie pour des haut-parleurs

- Connectez des haut-parleurs de 2A ou moins au total. Ne connectez aucun autre produit excepté des haut-parleurs.
- Consultez le technicien de service Yamaha quand des prises sont utilisées en dehors du secteur d'achat.

The control unit is classified as a Class 1 laser product. One of the labels below is located on the inside of the CD drive unit.

L'unité de commande est classée produit laser de Classe 1. Une des étiquettes ci-dessous ou une étiquette similaire se trouve à l'intérieur du lecteur de CD.

CLASS 1 LASER PRODUCT  
LASER KLASSE 1  
LUOKAN 1 LASERLAITE  
KLASS 1 LASER APPARAT  
APAREIL A LASER DE CLASSE 1  
EN60825

CLASS 1 LASER PRODUCT  
LASER KLASSE 1

Laser Diode Properties

- \* Material: GaAlAs
- \* Wavelength: 790 nm
- \* Laser Output Power at the lens of the Laser Pick Up Unit: max. 0.2 mW

Propriétés de la diode à semi-conducteur

- \* Matériau : GaAlAs
- \* Longueur d'ondes : 790 nm
- \* Puissance de sortie laser à la lentille du capteur laser : 0.2 mW max.

**CAUTION**—Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**ATTENTION**—L'utilisation de commandes ou de réglages, ou l'exécution de procédures, autres que celles qui sont spécifiées ici peuvent conduire à une exposition à des rayonnements dangereux.

**COMPLIANCE INFORMATION STATEMENT  
(DECLARATION OF CONFORMITY PROCEDURE)**

Responsible Party : Yamaha Corporation of America  
Address : 6600 Orangethorpe Avenue, Buena Park, CA 90620 USA  
Telephone : 1-714-522-9011  
Fax : 1-714-522-9301  
Type of Equipment : Player Piano  
Model Name : DGB1KE3Classic

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
  - 2) this device must accept any interference received including interference that may cause undesired operation.
- See user manual instructions if interference to radio reception is suspected.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

**FCC INFORMATION (U.S.A.)**

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

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

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

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

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

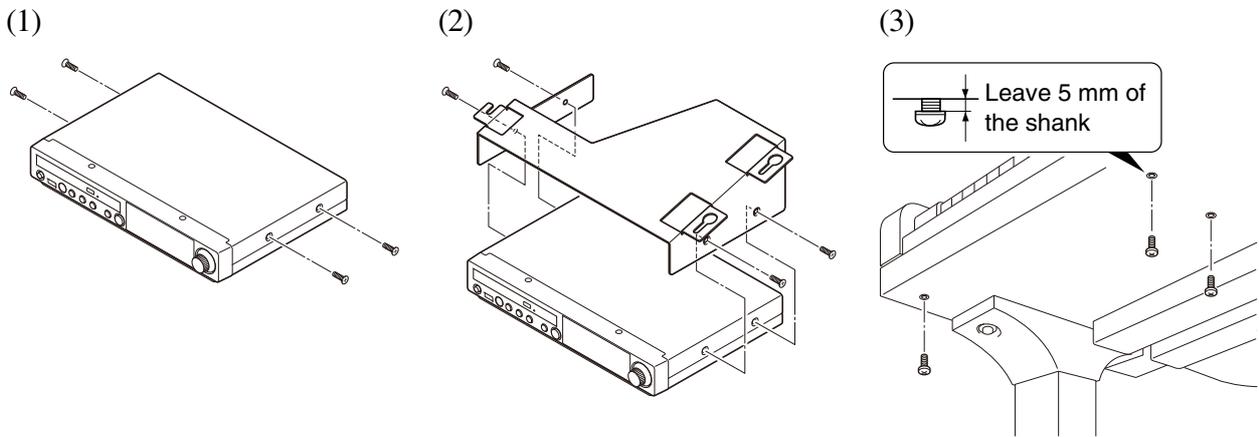
In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

# Mounting the Control Unit to the Grand Piano

## Installation du boîtier de commande sur un piano à queue



- (1) Remove the four screws from the sides of the control unit.
- (2) Place the metal suspension bracket, supplied with the Disklavier grand model, over the control unit, then secure the metal suspension bracket to the control unit using the four screws (4 × 10) supplied with the Disklavier.
- (3) Insert the three restraining screws (5 × 12) into the marked nuts underneath the bass side key bed, then tighten the screws, leaving a gap of about 5 mm between head of the screw and piano body.

### Notes:

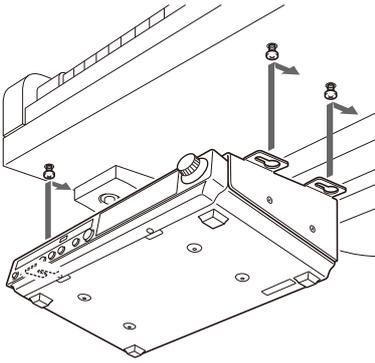
- 1) Handle the metal suspension bracket and the control unit carefully to avoid scratches.
- 2) Screws;  
For suspension bracket installation:  
Flat head (4 × 10) × 4  
For control unit suspension:  
Bind head (5 × 12) × 3
- 3) When mounted correctly, the control unit is angled approximately 18° above horizontal.

- (1) Retirer les quatre vis sur les côtés du boîtier de commande.
- (2) Placez la platine de fixation de suspension en métal, fournie avec le modèle Grand Disklavier, au-dessus du boîtier de commande, puis fixez la platine de fixation de suspension en métal au boîtier de commande en utilisant les quatre vis (4 × 10) fournies avec le Disklavier.
- (3) Introduire les trois vis de fixation (5 × 12) dans les écrous marqués sous le clavier du côté de la basse, puis serrer les vis en laissant un espace d'environ 5 mm entre la tête de la vis et le corps du piano.

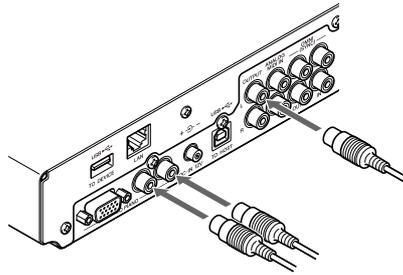
### Remarques:

- 1) Manipuler soigneusement le support métallique et le boîtier de commande pour éviter les rayures.
- 2) Vis de fixation;  
Pour l'installation de la platine de fixation de suspension:  
Tête plate (4 × 10) × 4  
Pour la suspension de l'unité de commande:  
Tête de grippage (5 × 12) × 3
- 3) Lorsqu'il est monté correctement, le boîtier de commande est incliné d'environ 18° sur l'horizontale.

(4) (5)



(6)



(4) Fit the “slots” of the metal suspension bracket containing the control unit to the screws mentioned in step (3).

(5) After mounting the control unit, push the control unit back as far as it will go and then tighten the three screws to secure the bracket.

(6) Connect the cables extending from the piano to the appropriate connectors/jacks on the rear panel of the control unit.

- Coaxial cable: to the TO PIANO connectors
- Speaker cord: to the OUTPUT jacks

(4) Glisser les « fentes » du support métallique contenant le boîtier de commande sur les vis mentionnées à l'étape (3).

(5) Après avoir installé le boîtier de commande, l'enfoncer jusqu'à l'extrémité et serrer les trois vis pour fixer le support.

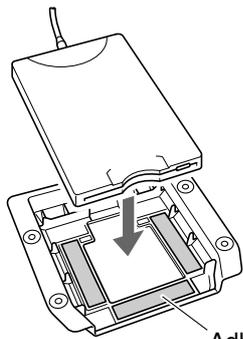
(6) Connectez les câbles sortant du piano aux connecteurs ou aux prises appropriées sur le panneau arrière de l'unité de commande.

- Câble coaxial : aux connecteurs TO PIANO
- Cordon de haut-parleur: aux prises OUTPUT

# Mounting an Optional USB Floppy Disk Drive to the Grand Piano

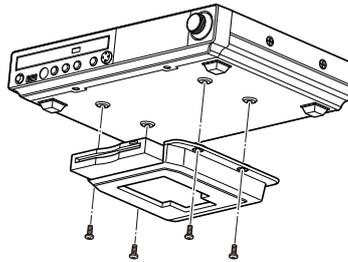
## Installation d'unité de disquette USB optionnelle sur le piano à queue

(1)

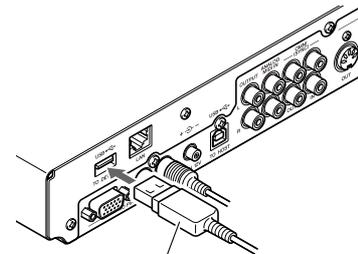


Adhesive tape  
Ruban adhésif

(2)



(3)



USB cable  
Câble USB

- (1) Remove the backing papers from the adhesive tape inside the case, and fit the floppy disk drive into the case.
- (2) Attach the drive and case assembly to the bottom of the control unit, using the four screws (3 × 6) supplied with the Disklavier.
- (3) Connect the USB cable extending from the drive to the USB port on the rear panel of the control unit.

### **Notes:**

- 1) The case is supplied with the USB floppy disk drive.
- 2) Use the screws (3 × 6) supplied with the Disklavier when attaching.

- (1) Enlevez les papiers arrière du ruban adhésif à l'intérieur du boîtier et insérez l'unité de disquette dans le boîtier.
- (2) Fixez l'ensemble de lecteur et de boîtier au fond de l'unité de commande en utilisant les quatre vis (3 × 6) fournies avec le Disklavier.
- (3) Raccordez le câble USB sortant du lecteur au port USB sur le panneau arrière de l'unité de commande.

### **Remarques:**

- 1) Le boîtier est fourni avec l'unité de disquette USB.
- 2) Utilisez les vis de fixation (3 × 6) fournies avec le Disklavier au moment de faire la fixation.

disklavier™   
**Classic**

Operation manual

# Welcome to the Yamaha Disklavier™!

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Thank you for purchasing the Yamaha Disklavier piano!

The Disklavier 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.

Before using your Disklavier piano, please read this manual thoroughly and retain it for future reference.

## ■ Notes on Source Code Distribution

For three years after the factory shipment, you may request from Yamaha the source code for any portions of the product which are licensed under the GNU General Public License by writing to the following address:

1480 Ryoke, Kakegawa, Shizuoka, 436-0038, JAPAN  
Piano Division, Yamaha Corporation

The source code will be provided at no charge; however, we may require you to reimburse Yamaha for the cost of delivering the source code to you.

The source code download is also available on the following website:

[http://www.global.yamaha.com/download/disklavier\\_e3/](http://www.global.yamaha.com/download/disklavier_e3/)

- Note that we shall bear no responsibility whatsoever for any damage arising from changes (additions/deletions) made to the software for this product by a third party other than Yamaha (or party authorized by Yamaha).
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## Important Precautions

---

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.

## ■ Handling Batteries

The remote control of this unit is powered by dry batteries. Improper use or misuse of the dry batteries can cause the dry batteries to heat up, leak electrolyte or burst which in turn may result in a fire, damage to equipment and/or nearby objects or in burns, injury or other bodily harm. Read through and familiarize yourself with the following safety precautions prior to use to ensure correct usage.

- Do not directly touch the chemicals (electrolyte) which have leaked from dry batteries.
  1. If electrolyte from dry batteries has made contact with your eyes, rinse your eyes thoroughly with clean water and seek medical treatment from a physician immediately.
  2. If electrolyte from dry batteries has touched your skin or clothing, rinse it off immediately with clean water.
  3. If electrolyte from dry batteries has found its way inside your mouth, gargle immediately and consult a physician.
- Do not install the dry batteries with the “+” and “-” poles reversed. Misaligning the poles of dry batteries can lead the dry batteries to be charged or shorted or it can cause them to heat up, leak electrolyte or burst which in turn may result in a fire, damage to nearby objects or in burns, injury or other bodily harm.
- Use only the designated batteries. Do not use used batteries with unused batteries or different types of batteries together. This can cause them to heat up, leak electrolyte or burst which in turn may result in a fire or in burns, injury or other bodily harm. Replace all the dry batteries at the same time. Do not use new and old dry batteries together. Do not use different types of batteries (alkaline and manganese batteries, batteries made by different manufacturers or different battery products made by the same manufacturer) together: this can cause them to heat up, ignite or leak electrolyte.
- When the battery-powered unit is not going to be used for a prolonged period of time, remove the dry batteries from the unit. Otherwise the batteries will run down and their electrolyte may leak, resulting in damage to the unit.
- Remove spent batteries immediately from equipment. Otherwise, batteries will overdischarge, causing them to heat up, leak electrolyte or burst which in turn may result in damage to nearby objects or in burns, injury or other bodily harm.
- Dispose of batteries in accordance with the applicable regulations and ordinances.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

**Please keep this manual for future reference.**

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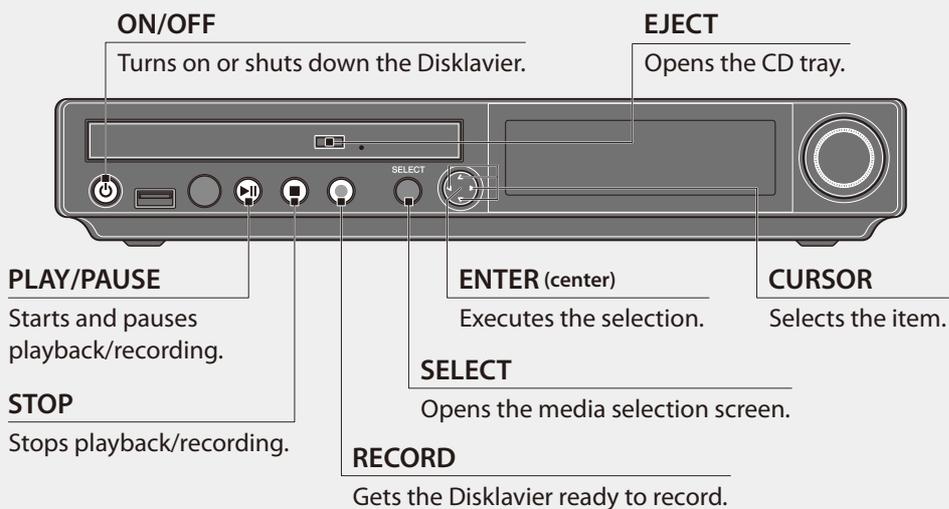


# Quick Reference: Starting



## Learning about the Control Unit

Buttons that you will use for playback and recording.

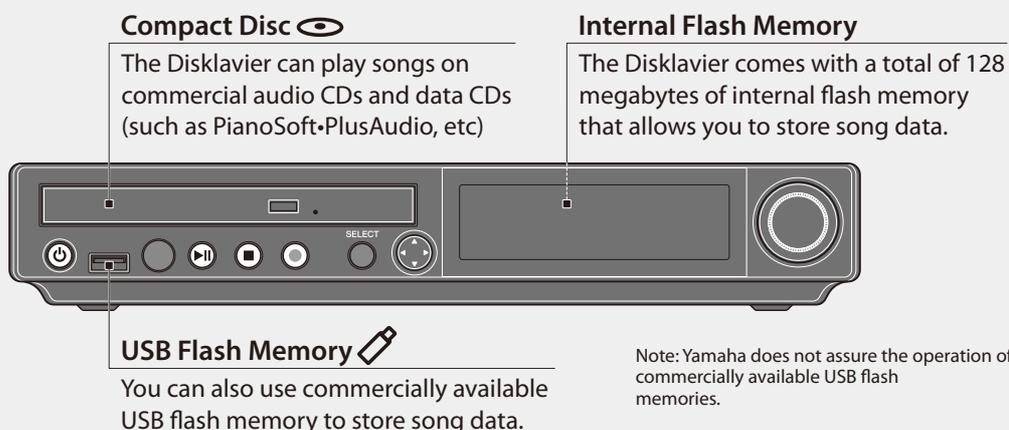


*Learn More?* | ■ See page 6



## Learning about Media

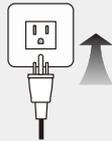
Media that you can use on the Disklavier.



*Learn More?* | ■ See page 18

## Turning Your Disklavier On

1 Connect the Disklavier to mains.



2 Turn your Disklavier on.



Your Disklavier is now ready for use!



## When You Finish ...

Shut your Disklavier down.



**Learn More?**

■ To put the Disklavier into the standby mode

>> See page 18

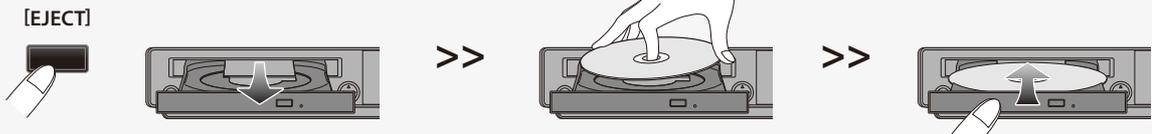


# Quick Reference: Listening to a Song

## Listening to a CD included with the Disklavier

1

Load a CD.



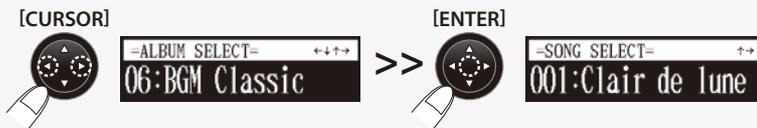
2

Select "CD" as the playback source.



3

Select an album.



4

Select a song.



5

Start song playback.



6

Stop song playback.



**Learn More?**

- To change the playback tempo
- To play in a different key (transposition)
- To repeat playback
- To use the timer

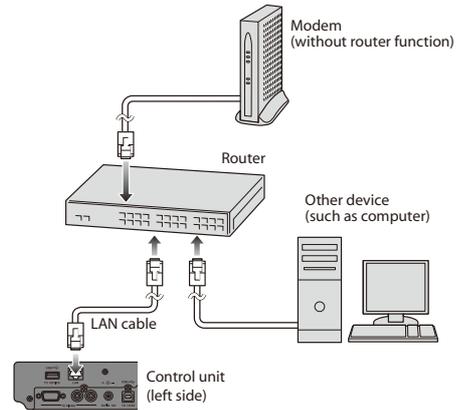
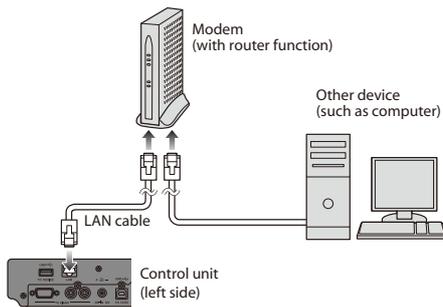
- >> See page 31
- >> See page 31
- >> See page 32
- >> See page 39



# Listening to a Free DisklavierRadio Channel

## Before operating...

Connect the Disklavier to a router or a modem equipped with a router that is connected to the Internet.



For more details on connections, see page 98.

### 1 Select "D-Radio" as the playback source.



### 2 Select a free channel.



Note: The free channel is "CH-01".

### 3 Turn the DisklavierRadio on!



### 4 Turn the DisklavierRadio off...



#### Learn More?

- To use a subscriber-only DisklavierRadio channel >> See page 97
- To mute the DisklavierRadio >> See page 30
- To find out more about the DisklavierRadio >> See <http://services.music.yamaha.com/radio/>

## Features

---

The Disklavier E3 Classic offers the valuable features that open up your musical possibility to explore. Here are brief explanations of such features:

### Advanced Features for Your Listening Pleasure

- Special music CDs, contain over 17 hours of fantastic music, let you start listening on the day the Disklavier E3 Classic arrives at your home.
- DisklavierRadio; you can listen to over 11 music channel by streaming broadcasts over the Internet.

### Convenient Recording Features to Preserve Your Musical Memories

- Total 128 megabytes of internal memory comes with the Disklavier E3 Classic to preserve your valuable data.
- Connecting external USB devices to the Disklavier E3 Classic allows you to record your performance directly onto them, or even make backups of your valuable data in the internal memory.
- Video synchronization features offer great listening experience with sights. You can see as well as hear performances with perfectly synchronized audio and video.
- Your valuable music data on the floppy disk can be played back with the optional floppy disk drive (UD-FD01).

### Simple and Easy-to-use Features Enhancing Your Performance

- The remote control, with clear and logical layout of buttons, lets you quickly enjoy the features of the Disklavier E3 Classic.
- The display on the front panel employs an organic electro-luminescent display which makes it brighter and more easily readable than ever.

### The Damper Drive System Newly Developed for the Disklavier E3 Classic

- During playback, direct driving of the damper provides almost the same damper effect as the conventional Disklavier.
- During recording, the sensor on the damper pedal records your pedaling precisely.

## Items Supplied with the Disklavier

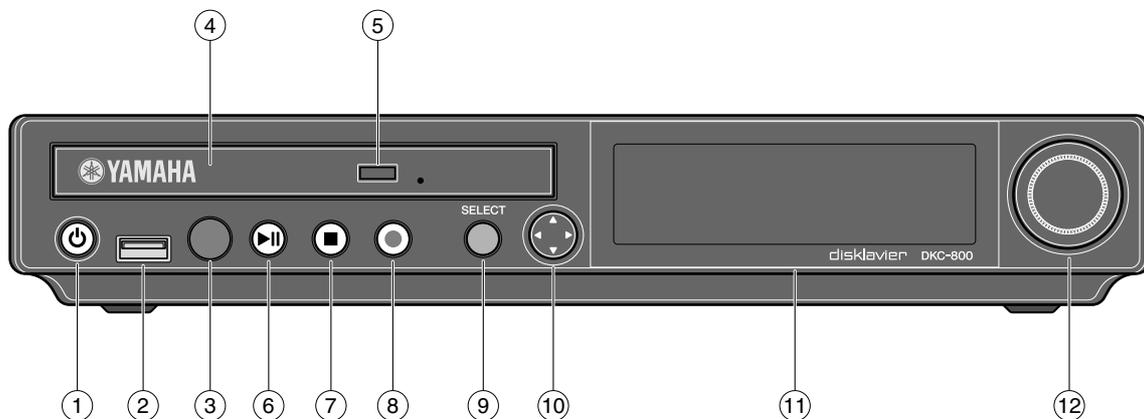
---

Check that the following items are supplied with your Disklavier:

- |  |  |
|--|--|
| • 1 Control unit   | • 1 Speaker cord                         |
| • 1 Control unit suspension bracket                                  | • 1 Remote control                       |
| • 4 Screws for control unit suspension bracket installation (4 × 10) | • 2 Batteries for remote control         |
| • 3 Screws for control unit suspension (5 × 12)                      | • 2 Sample PianoSoft CD software         |
| • 4 Screws for optional USB floppy disk drive installation (3 × 6)   | • 1 Operation manual                     |
| • 1 Monitor speaker  | • 1 PianoSoft CD song list               |
| • 1 Monitor speaker installation kit                                 | • 1 Music book "50 greats for the Piano" |

## Names of Parts and Their Functions

### ■ Control Unit — Front Panel



① **[ON/OFF] button** 

Turns on or shuts down the Disklavier. Press once to turn it on, and once again to shut it down.

② **USB port**

Used to connect a USB flash memory, etc.

③ **Remote control sensor**

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

④ **CD drive**

Insert a PianoSoft-PlusAudio or other audio or audio/MIDI CD here.

⑤ **CD eject button**

Used to open the CD drive.

⑥ **[PLAY/PAUSE] button**  
( pages 24 and 25)

Used to start and pause playback.

⑦ **[STOP] button** ( page 25)

Used to stop playback and recording.

⑧ **[RECORD] button** ( page 49)

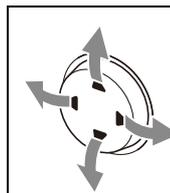
Used to engage the record standby mode before recording starts.

⑨ **[SELECT] button**

Used to select media.

⑩ **Cursor/[ENTER] buttons**

Cursor: Used to select options and parameters.



Press this button inclining slightly upward/downward/left/right.

[ENTER]: Used to execute the selection.



Press straight the center of this button.

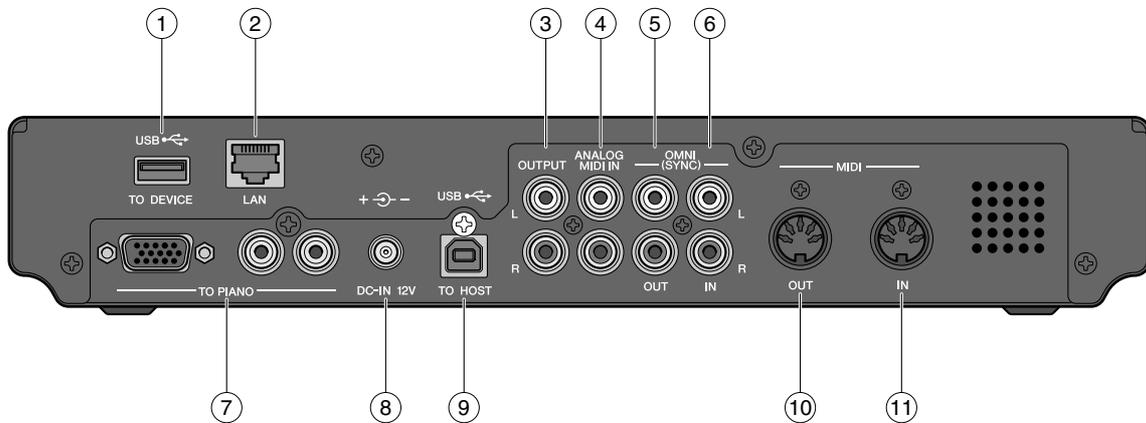
⑪ **Display**

Shows various information.

⑫ **Dial**

Used to adjust the volume, and to set parameter values.

## ■ Control Unit — Rear Panel



### ① USB TO DEVICE port

Used to connect a USB flash memory, an optional USB floppy disk drive, etc.

### ② LAN port

Used to connect to the Internet.

### ③ OUTPUT jacks

Used to connect the speaker cord from the monitor speaker.

### ④ ANALOG MIDI IN jacks

Used to connect the audio equipment such as an external CD changer.

### ⑤ OMNI (SYNC) OUT jacks

Used to connect the microphone/line input of a camcorder.

### ⑥ OMNI (SYNC) IN jacks

Used to connect the audio output of a camcorder.

### ⑦ TO PIANO connectors

Used to connect the piano.

### ⑧ DC-IN 12V connector

Used to connect to the power supply unit.

### ⑨ USB TO HOST port

Used to connect the USB cable from a computer.

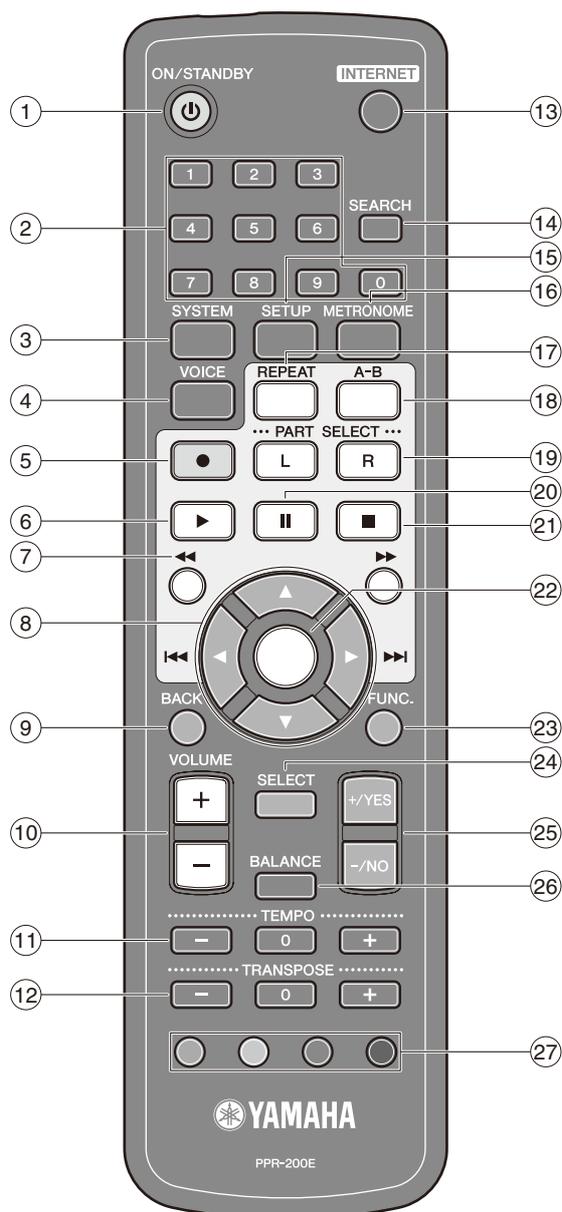
### ⑩ MIDI OUT terminal

Used to connect external MIDI equipment for outputting MIDI data.

### ⑪ MIDI IN terminal

Used to connect external MIDI equipment for inputting MIDI data.

## ■ Remote Control



① **[ON/STANDBY] button**

Turns on the Disklavier or puts it in the standby mode.

② **Number keypad**

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

③ **[SYSTEM] button**

Used to access the system menu.

④ **[VOICE] button**

Used to access the voice function.

⑤ **[RECORD] button**

Used to engage the record standby mode before recording starts.

⑥ **[PLAY] button**

Used to start playback.

⑦ **[REVERSE]/[FORWARD] buttons**

In the play mode: used to fast preview and review.  
In the pause mode: used to fast forward and reverse.

⑧ **Cursor buttons**

Used to select options and parameters.

⑨ **[BACK] button**

Used to cancel the selection, and return to the previous screen.

⑩ **[VOLUME] buttons (☞ page 30)**

Used to adjust the volume.

[-] lowers the volume, [+] raises the volume.

⑪ **[TEMPO] buttons**

Used to change the playback tempo.

[-] decreases the tempo, [+] increases the tempo, and [0] resets the tempo to 00.

⑫ **[TRANPOSE] buttons**

Used to transpose song playback.

[-] transposes down, [+] transposes up, and [0] resets the transposition value to 00.

⑬ **[INTERNET] button**

Used to access the Internet menu.

⑭ **[SEARCH] button**

Used to access the search function.

⑮ **[SETUP] button**

Used to access the setup menu.

⑯ **[METRONOME] button**

Used to access the metronome function.

⑰ **[REPEAT] button**

Used to select one of the repeat modes: ALL, RPT, RND, or OFF.

⑱ **[A-B] button**

Used to enter A and B points for the A-B repeat mode.

⑲ **[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.

⑳ **[PAUSE] button (☞ page 25)**

Used to pause playback.

㉑ **[STOP] button (☞ page 25)**

Used to stop playback and recording.

㉒ **[ENTER] button**

Used to execute the selection.

㉓ **[FUNC.] button**

Used to access the function menu.

㉔ **[SELECT] button**

Used to select media.

㉕ **[+/YES]/[-/NO] buttons**

Used to select parameters, adjust setting values, and execute or cancel the selected functions.

㉖ **[BALANCE] button**

Used to adjust the TG, audio and voice balance.

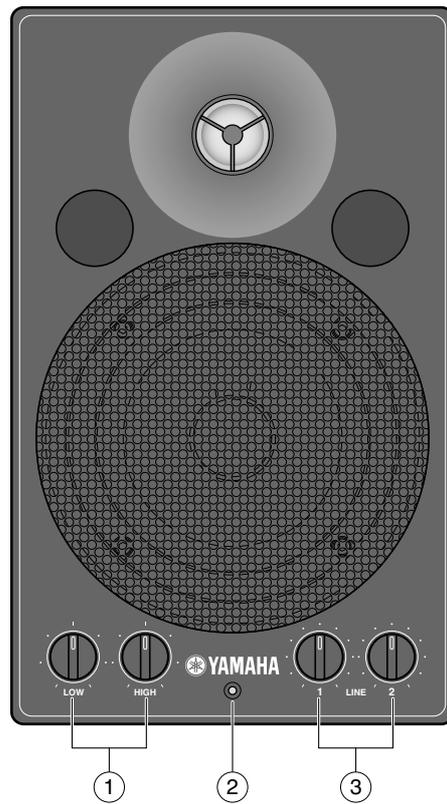
㉗ **Color buttons**

Green: Used to execute the shortcut assigned to the number keypad.

Yellow: Used to switch character types when titling albums and songs.

Other: For future use.

## ■ Monitor Speaker



① **LOW/HIGH volume controls**  
Adjust the base/treble sound volume.

② **Power indicator**  
Lights up while the speaker is turned on.

③ **LINE1/2 volume controls**  
Adjust the sound volume for each line input.

**Note:** For normal use, turn down the LINE2 volume completely, and turn up the LINE1 volume at the three o'clock position.

## 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 additional Disklavier terminology, see the glossary provided in Chapter 15.

### 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.

### Internal Flash Memory

The Disklavier has a total of 128 megabytes of internal flash memory that allow you to store song data without a floppy disk.

### 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.

### 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 for use with the Disklavier series. Many titles are available, and among the many musical styles included are classical, jazz, and popular. The disk includes songs for listening enjoyment, 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 software contains prerecorded ensemble songs featuring instrumental accompaniment that can be played back on the Disklavier. See your Disklavier dealer for a PianoSoft catalog.

### PianoSoft-PlusAudio



CD software made by Yamaha containing audio and MIDI signals for playing back on the Disklavier.

### SmartPianoSoft



Software made by Yamaha containing MIDI signals for playing back along with standard audio CDs.

### 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.

### Tone Generator

An electronic device that generates instrument voices. The Disklavier has an internal XG tone generator that can produce nearly 700 instrumental and percussion voices.

### Voice

The sounds produced by a tone generator expressing various instruments.

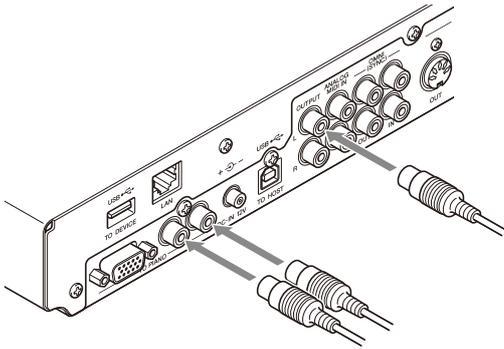
### XG



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.

## Connecting the Control Unit

Make sure that the cables extending from the piano is connected to the appropriate connectors or jacks on the rear panel of the control unit.



**Note:**

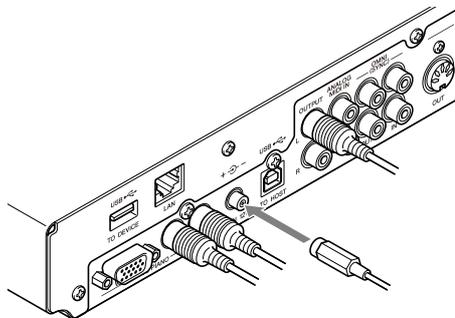
The cables should be connected to the control unit when the Disklavier is installed. If, however, it is not, carefully connect them to the appropriate connectors or jacks on the rear panel of the control unit.

**Note:**

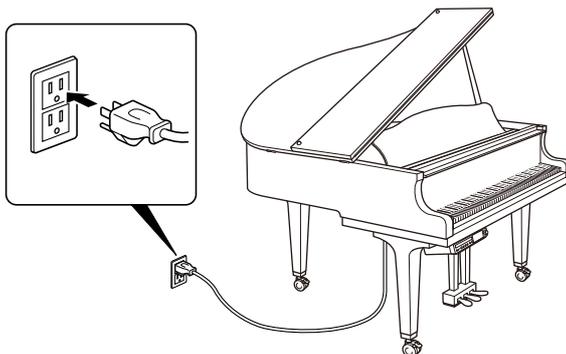
Be sure to mount the control unit to the underside of the bass side key bed.

## Connecting the AC Power Cable

- 1 Connect the power cord extending from the power supply unit of the piano to the DC-IN 12V connector of the control unit.



- 2 Connect the AC power cable extending from the piano to the AC wall outlet.



**Important:**

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

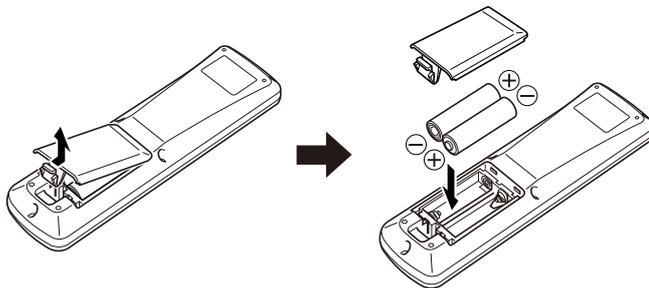
## Using the Remote Control

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, install the batteries, and then replace the cover.



A diagram inside the battery compartment shows which way the batteries should be installed. Make sure you insert them 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.
- Do not use new and old dry batteries together.
- Do not use different types of batteries (alkaline and manganese batteries, batteries made by different manufacturers or different battery products made by the same manufacturer) together.
- Remove spent batteries immediately from the remote control. Otherwise, batteries will overdischarge, causing them to leak electrolyte or burst which in turn may result in damage to nearby objects or in burns, injury or other bodily harm.
- Dispose of batteries in accordance with the applicable regulations and ordinances.
- 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.
- If the batteries have leaked, dispose of them immediately. Avoid touching the leaked electrolyte or letting it come into contact with skin or clothing. Clean the battery compartment thoroughly before installing new batteries.

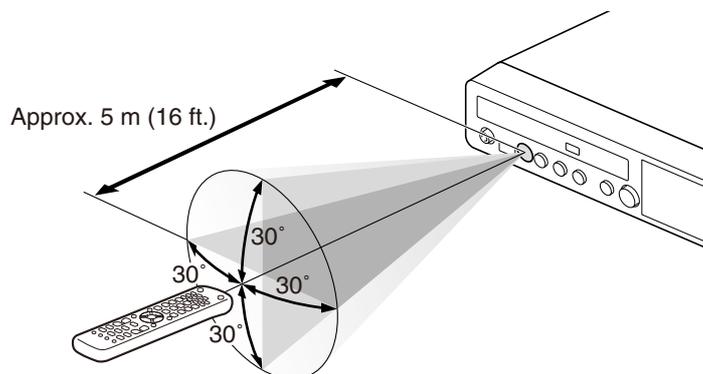
#### **Important:**

Be sure to read the section on “Handling Batteries” on page iii for details on the safe handling of dry batteries.

## Getting Started

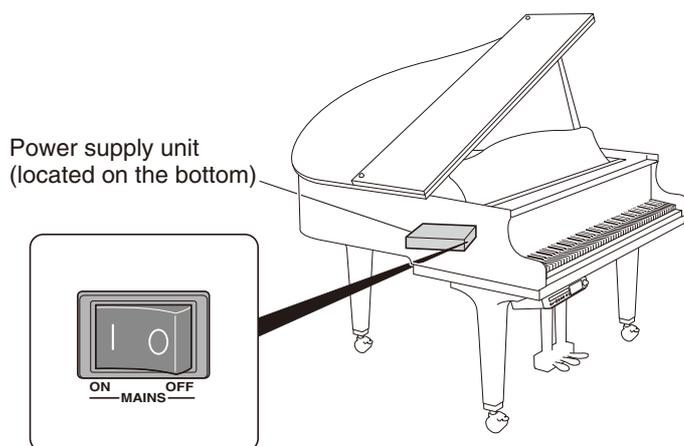
### ■ Using the Remote Control

To use the remote control, point it at the remote control sensor on the control unit.



### Turning On the Disklavier

- 1** Make sure that the main switch on the power supply unit is turned on.



## 2 Press [ON/OFF] on the control unit.



While the control unit is in the standby mode, you can also turn on the Disklavier by pressing [ON/STANDBY] on the remote control.

ON/STANDBY



The following message appears on the display, and [ON/OFF] on the control unit lights green.



After several seconds, the loading screen will appear, and last selected song will be loaded.



Your Disklavier is now ready for use.



See Chapter 2 “Getting Started – Turning Off the Disklavier (Standby Mode)” on page 18.

## Setting the Internal Calendar

[SYSTEM] → “TimeZone” and “Clock Adj.”

The Disklavier has an internal calendar that can be set from 1/1/1985 00:00:00 to 12/31/2084 23:59:59. Set the calendar accurately so that the Disklavier displays the correct current time during the stop mode.

Time is displayed in 24-hour format.



Setting the correct time is also important for engaging timer-controlled programs. See Chapter 4 “Advanced Song Playback – Using the Timer Play” on page 39.

### ■ Time Zone

## 1 Press [SYSTEM] on the remote control.

The system menu screen appears.



## Getting Started

- 2** Select “TimeZone” with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [ENTER].



```
=SYSTEM MENU= (1/2)→
*Clock Adj. *TimeZone
*Backup *Restore
```

The time zone setup screen appears.



```
=Time Zone= --+ENT
TimeZone=GMT+0
```

- 3** Press [+ / YES] and [- / NO] to change the time zone.



```
=Time Zone= --+ENT
TimeZone=GMT+2
```

#### Examples of Time Zone

The chart below shows the correspondence between the time zone setting on the Disklavier and actual time zone used in the U.S. and Canada.

Setting	Actual Time Zone
GMT-10	Hawaii-Aleutian Standard Time
GMT-9	Alaska Standard Time (AKST)
GMT-8	Alaska Daylight Time (AKDT)
	Pacific Standard Time (PST)
GMT-7	Pacific Daylight Time (PDT)
	Mountain Standard Time (MST)
GMT-6	Mountain Daylight Time (MDT)
	Central Standard Time (CST)
GMT-5	Central Daylight Time (CDT)
	Eastern Standard Time (EST)
GMT-4	Eastern Daylight Time (EDT)

- 4** Press [ENTER].



The time zone is set, and the display returns to the system menu. Proceed to the calendar setting.

#### Note:

The time zone listed here should be used only as a guide. For more details, contact your local observatories.

## Calendar

- 1 Select "Clock Adj." with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [ENTER].



The current date and time appear.

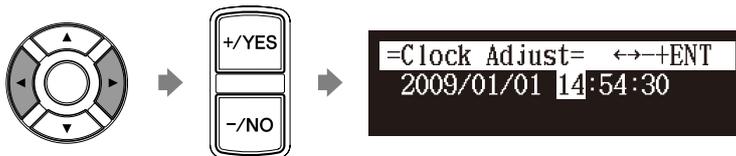


- 2 Press [ENTER].

The time setup screen appears with the cursor flashing on the hours display.



- 3 Select year, month, date, hours, minutes, and seconds with the cursor buttons ([ ◀ ] [ ▶ ]), then press [+ / YES] and [- / NO] to set a value.



- 4 Press [ENTER].



The date and time are stored in the internal calendar, and the display returns to the current time screen.

- 5 Press [BACK] on the remote control.



The display returns to the system menu screen.

## Turning Off the Disklavier (Standby Mode)

Press [ON/STANDBY] on the remote control.

The ending screen appears, and [ON/OFF] on the control unit lights red.



**Note:**

Press [ON/STANDBY] on the remote control to turn the Disklavier back on.

## Shutting Down the Disklavier

Press [ON/OFF] on the control unit.

The ending screen appears, and [ON/OFF] on the control unit turns off.



**Note:**

Be sure to wait 5 seconds before turning the Disklavier back on.

## Compatible Media Format for the Removable Media

### Compact Disc

The Disklavier can play songs on commercial audio CDs and data CDs (such as PianoSoft-PlusAudio).

- The audio CDs should be formatted in CD-DA.
- The data CDs should be formatted in ISO 9660 Level 1.

### USB Flash Memory

You can use commercially available USB flash memories to store song data. The USB flash memory should be formatted in FAT16 or FAT32 file system.

### USB Hard Disk

You can use commercially available USB hard disk drives to store song data or make a backup of song data. The USB hard disk drive should be formatted in FAT32 file system.

### Floppy Disk (Optional)

With the optional USB floppy disk drive, you can use 3.5" 2DD or 2HD floppy disks to store song data. The floppy disk should be formatted in MS-DOS.

**Note:**

If the external medium contains a number of albums or songs, it may take some time for the Disklavier to recognize them.

**Note:**

Do not insert or remove the USB media while reading or writing data. Make sure that reading or writing has finished before doing so.

## Compatible File Format

---

The Disklavier can handle these three types of file format:

### SMF0

Standard MIDI File format 0 for playback and recording. The name of the file should have an extension as “.MID” or “.mid.”

### SMF1

Standard MIDI File format 1 for playback only. The name of the file should have an extension as “.MID” or “.mid.”

### E-SEQ

Format developed by Yamaha, for playback only. The name of the file should have an extension as “.FIL” or “.fil.”

## Basic Precautions for Using CDs

---

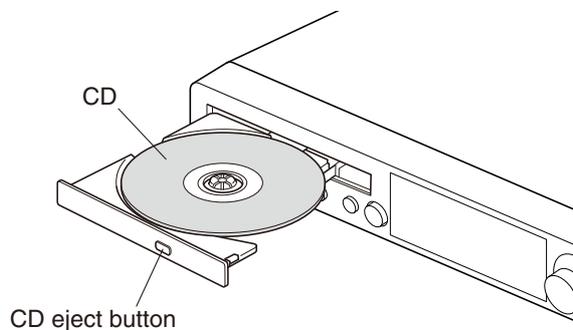
### ■ Handling CDs

In order to protect data stored on compact discs from damage or loss, handle them with care, and observe the following precautions.

- Do not touch the surface of a CD.
- Do not expose CDs to extreme temperatures or humidity. The working temperature range is between 4°C and 52°C (40°F and 125°F).
- Wipe CDs with a clean, dry cloth before playback.
- Remove the CD from the CD drive before turning off the Disklavier.

### ■ Loading a CD

- 1** Press the CD eject button on the control unit to open the CD tray.



- 2** Place a CD on the tray, and then close the tray.

# Basic Song Playback

## Types of Playable Software

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### PianoSoft and PianoSoft-Plus

When piano songs such as those contained in PianoSoft and PianoSoft-Plus software are played back on the Disklavier, the piano parts are actually played by the Disklavier keyboard, and the keys move up and down as though they were being played by an invisible performer. The ensemble parts (contained in PianoSoft-Plus software) are played by the internal tone generator and are heard from the monitor speaker.



### PianoSoft-PlusAudio

PianoSoft-PlusAudio songs are recorded using two channels, an analog MIDI channel for the piano parts and an audio channel for instrumentals and vocals. When they are played back on the Disklavier, the piano parts are played by the Disklavier keyboard as with PianoSoft and PianoSoft-Plus songs, and all other instrumental and vocal parts are heard from the monitor speaker just like a normal audio system.



### SmartPianoSoft

SmartPianoSoft contains a recorded piano accompaniment to the commercial CDs, and the acoustic accompaniment will play back matching with the commercial CD. You can also record your own accompaniment for your favorite commercial CDs at home; play your Disklavier as you listen to a CD, and SmartPianoSoft will match the music together during playback, essentially adding you to famous performances.



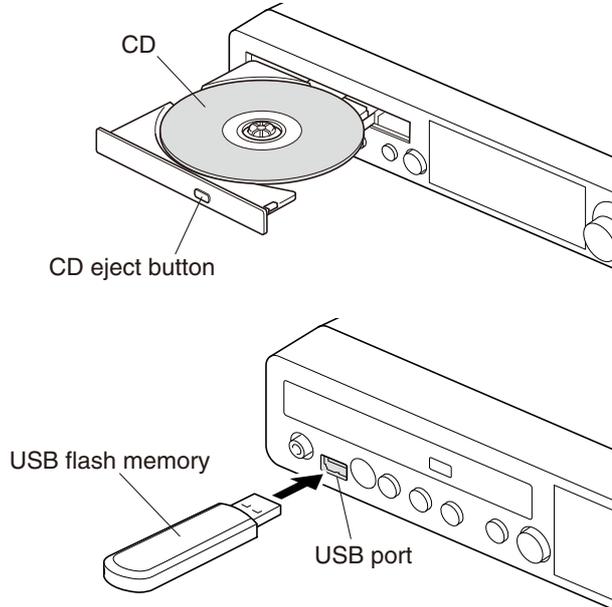
### Standard Audio CDs

Standard audio CDs contain two audio channels (L and R), and are both heard from the monitor speaker just like a normal audio system. In other words, the Disklavier can be used to play CDs in place of an audio system.

## Selecting Medium and Their Contents

[SELECT]

### 1 Insert a desired medium.



### 2 Press [SELECT].

The media selection screen appears with the current selected medium highlighted.



### 3 Select a desired medium with the cursor buttons ([ ◀ ] [ ▶ ]).



The following media are available:

Medium	Description
Memory	Internal flash memory
CD	Audio CD or data CD
USB1, USB2	USB flash memory or USB HDD (USB1 indicates the first inserted one, and USB2 indicates the second.)
Playlist	Playlist in the internal flash memory
D-Radio	DisklavierRadio
FromToPC	Network folder in the internal flash memory



See Chapter 3 “Basic Song Playback – Listening to the DisklavierRadio” on page 29.



See Chapter 8 “Media Management – Copying Song File from a Personal Computer to the Disklavier” on page 88.

## Basic Song Playback

**4** Press [ENTER] or [▼].

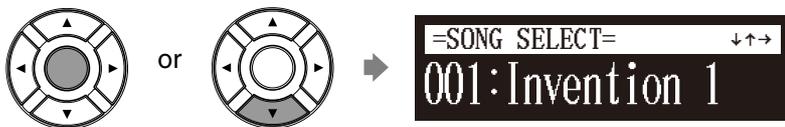
The album selection screen appears.

**5** Select a desired album with the cursor buttons ([◀] [▶]).

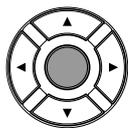
To return to the media selection screen, press [▲].

**6** Press [ENTER] or [▼].

The song selection screen appears.

**7** Select a desired song with the cursor buttons ([◀] [▶]).

To return to the album selection screen, press [▲].

**8** Press [ENTER].

The selected song is loaded.

**Note:**

The maximum number of the selectable albums in a medium is 99.

**Note:**

You can also select albums directly using the number keypad on the remote control. See Chapter 3 “Basic Song Playback – Using the Number Keypad” on page 24.

**Note:**

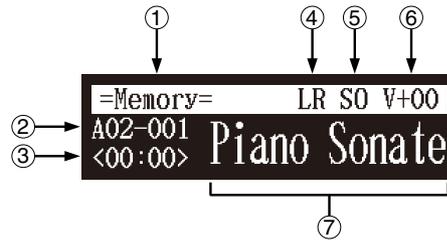
The maximum number of the selectable songs in an album is 999.

**Note:**

You can also select songs directly using the number keypad on the remote control. See Chapter 3 “Basic Song Playback – Using the Number Keypad” on page 24.

## ■ Song Playback Screen

Here are a few things that you will often see during playback.



### ① Media

The selected medium is displayed here.

### ② Album/Song Number

The number of the selected album and song is displayed here.

Display	Description
Axx-yyy	xx: album number (01 to 99) yyy: song number (001 to 999)
Pxx-yyy	xx: playlist number (01 to 99) yyy: song number (001 to 999)

### ③ Counter

Playing time is indicated in one of two formats.

Display	Description
xx:yy	Minutes (xx) and seconds (yy)
xxx-y	Measures (xxx) and beats (y)

### ④ Song Type

The type of the selected songs is displayed here.

Display	Description
LR	PianoSoft
XP	PianoSoft recorded on the PRO model
PS	SmartPianoSoft
SK	SmartKey
YM	PianoSoft-PlusAudio
AU	Stereo audio

### ⑤ Song Format

The format of the selected song is displayed here.

Display	Description
S0	SMF (Standard MIDI File) format 0
S1	SMF (Standard MIDI File) format 1
ES	E-SEQ format

### ⑥ Volume

The current volume setting is displayed here.

### ⑦ Song Title

The title of the selected song is displayed here. If the title is long, it scrolls across the display.

## Using the Number Keypad

Album or song selection screen **Number button**

You can also select albums or songs directly with the number keypad on the remote control.

**Press the corresponding number button, then press [ENTER].**

For example, to select album number 5, first press [0], then [5], then [ENTER].



To select song number 36, first press [0], then [3], then [6], then [ENTER].



**Note:**

If you enter a number higher than the existed, the last album or song appears.

## Starting Playback

**[PLAY]**

**Press [PLAY/PAUSE] on the control unit or [PLAY] on the remote control.**

[PLAY/PAUSE] on the control unit lights green, and the numerical value of the counter advances.



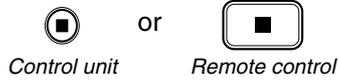
At the end of the song, the Disklavier selects the next song automatically and continues playback.

After playback the last song in the album, playback stops.

## Stopping Playback

During playback **[STOP]**

**Press [STOP].**



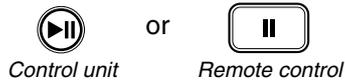
Playback stops, and the song returns to the beginning.

[PLAY/PAUSE] on the control unit turns off, and the counter is reset to "00:00" or "001-1."

## Pausing Playback

During playback **[PAUSE]**

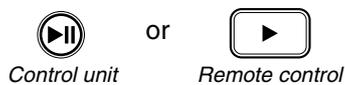
**1 Press [PLAY/PAUSE] on the control unit, or [PAUSE] on the remote control.**



Playback pauses.

[PLAY/PAUSE] on the control unit flashes, and the counter stops counting.

**2 Press [PLAY/PAUSE] on the control unit or [PLAY] on the remote control to continue playback.**



## Fast Preview & Review

During playback **[FORWARD] or [REVERSE]**

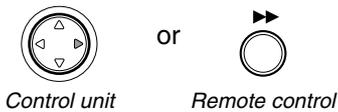
During playback, fast preview and review allow you to quickly search through a song **while listening to the sound**. This is useful for locating a desired position within a song.

### Note:

No sound is produced by the piano when fast-previewing or reviewing PianoSoft-PlusAudio CDs.

### Fast Preview

- 1 To preview, hold [▶] on the control unit or press [FORWARD] on the remote control.

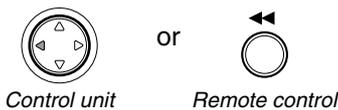


- 2 Release [▶] on the control unit, or press [FORWARD] on the remote control again to return to normal playback.

If a song is previewed all the way to the end, it will be paused at the end of the song.

### Fast Review

- 1 To review, hold [◀] on the control unit or press [REVERSE] on the remote control.



- 2 Release [◀] on the control unit, or press [REVERSE] on the remote control again to return to normal playback.

If a song is reviewed all the way to the beginning, it will be paused at the beginning of the song.

## Fast Forward & Reverse

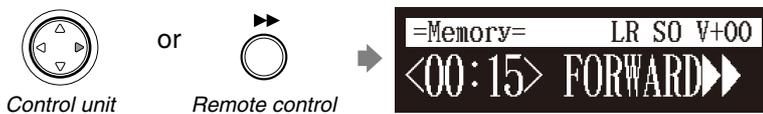
Stop or pause mode **[FORWARD] or [REVERSE]**

In the stop or pause mode, fast forward and reverse allow you to quickly locate a desired position in a song.

Reverse can also be used to return a song to the beginning, ready to play again.

### ■ Fast Forward

- 1** In the stop or pause mode, hold [▶] on the control unit or press [FORWARD] on the remote control.



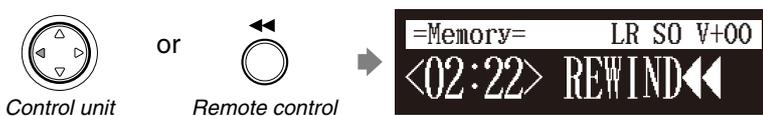
[PLAY/PAUSE] on the control unit flashes quickly and the counter shows the current position.

- 2** Release [▶] on the control unit, or press [FORWARD] on the remote control again to return to the pause mode.

If you fast forward a song all the way to the end, it will be paused at the end of the song.

### ■ Fast Reverse

- 1** In the pause mode, hold [◀] on the control unit or press [REVERSE] on the remote control.



[PLAY/PAUSE] on the control unit flashes quickly and the counter shows the current position.

- 2** Release [◀] on the control unit, or press [REVERSE] on the remote control again to return to the pause mode.

If you reverse a song all the way to the beginning, it will be paused at the beginning of the song.

## Searching a Specific Section of a Song

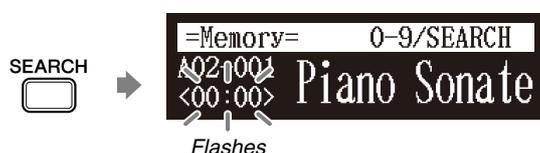
During playback or stop/pause mode **[SEARCH]**

Playback can be started from a specified point in a song. Instead of using fast forward or preview, you can use this function to go directly to a desired point within a song.

If the current song uses the minutes and seconds time format, you specify the point in minutes and seconds. If it uses the measures and beats time format, you specify the point in measures and beats.

### 1 Press [SEARCH] on the remote control.

The song search screen appears with the counter flashing.



The song will be paused at the exact point as you press [SEARCH].

### 2 Enter the time that you want to search for with the number keypad.

For example, to search for 2:56 (minutes and seconds), first press [0], then [2], [5], and [6].



For example, to search for 52-3 (measures and beats), first press [0], then [5], [2], and [3].



### 3 Press [SEARCH] again.



The position of the song goes to the specified point.

#### Note:

If you enter a value higher than the entire song time, the search goes to the end of the song.

## Listening to the DisklavierRadio

Media selection screen "D-Radio"

You can listen to streaming broadcasts of music, with many channels of music contents.

### 1 Select "D-Radio" in the media selection screen.

The channel selection screen appears.

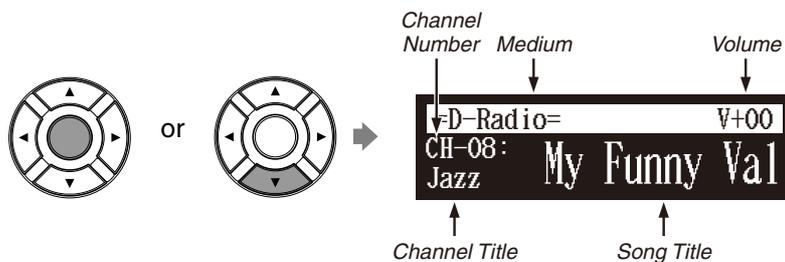


### 2 Press [◀] or [▶] or [+ / YES] or [- / NO] to select a channel.

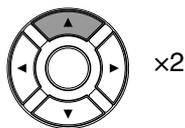


### 3 Press [ENTER] or [▼] to begin the broadcast of the selected channel.

The DisklavierRadio screen appears.



### 4 Press [▲] twice to stop the broadcast and return to the media selection screen.



To enjoy the DisklavierRadio, first you need to connect to the Internet. See Chapter 9 "Internet Direct Connection (IDC) – Connecting the Disklavier to the Internet" on page 97.



To select a medium, see Chapter 3 "Basic Song Playback – Selecting Medium and Their Contents" on page 21.

## Basic Song Playback

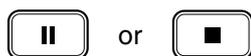
### ■ Muting the Sound

#### 1 Press [PAUSE] or [STOP].

“MUTE” appears on the upper right of the screen.



#### 2 Press [PAUSE] or [STOP] again to release muting.



#### Note:

Streaming broadcasts continue during muting. Therefore, the song broadcasted when releasing muting may differ from the one when muting.

## Adjusting the Volume

### [VOLUME +] or [VOLUME -]

You can adjust volume with the control unit or with the remote control as described below. Since all piano songs are recorded at the maximum volume level of 0, volume can be decreased down to -10, the softest volume at which the piano can play.

For ensemble songs, the volume of the piano and internal XG tone generator are adjusted simultaneously, so it is a good idea to first balance the volume of the piano and XG tone generator.

For songs on PianoSoft-PlusAudio, you should first balance the volume of the MIDI piano and audio parts.

#### Note:

This setting does not affect manual playing.



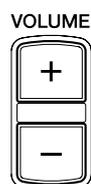
See Chapter 4 “Advanced Song Playback – Adjusting the Volume Balance among the Keyboard Playing, Ensemble Sound, and Software Playback” on page 35.

#### 1 Press [VOLUME +] or [VOLUME -] on the remote control.

The main volume setting screen appears.



#### 2 Press [VOLUME +] or [VOLUME -] to adjust the volume.



Volume can be adjusted in a range of -10 to 0.

#### Note:

You can also use the dial on the control unit to adjust the volume.

#### Note:

When the volume is set to -10, there may be a slight delay in sound production following key strokes, and the Disklavier may skip some notes. Furthermore, at this volume setting, touch strength does not affect note dynamics.

# Advanced Song Playback

## Changing the Playback Tempo

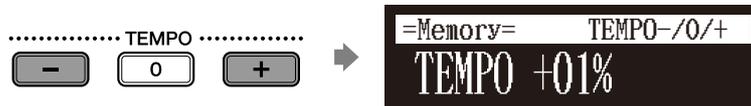
[TEMPO -] or [TEMPO +]

You can speed up or slow down the playback tempo. Slowing down the playback tempo can be useful when practicing a difficult piano part.

These tempo settings remain in effect until recording is started, another medium or album is selected, or the Disklavier is turned off.

### 1 Press [TEMPO -] or [TEMPO +] on the remote control.

The tempo setting screen appears.



### 2 Press [TEMPO -] or [TEMPO +] to adjust the tempo.



Playback tempo can be adjusted from -50% to +50% in 1% increments.

Press [TEMPO 0] to set to the original tempo.



#### Note:

You cannot change the playback tempo of songs on audio CDs.



Tempo changes to songs that you have recorded yourself can be made permanent. See Chapter 7 “Advanced Recording – Changing the Default Tempo” on page 59.

#### Note:

You can also use the dial on the control unit to adjust the tempo.

## Playing Back Songs in a Different Key (Transposition)

[TRANPOSE -] or [TRANPOSE +]

Playback can be transposed up or down by up to two octaves. This is useful, for example, when you want to sing along (karaoke) in a different key from the original recording.

Transposition changes remain in effect until recording is started, another medium or album is selected, or the Disklavier is turned off.

#### Note:

This function cannot be used to transpose songs from external devices connected to the OMNI IN jacks, or on audio CDs.

## Advanced Song Playback

- 1 Press [TRANSPOSE -] or [TRANSPOSE +] on the remote control.

The transposition setting screen appears.



- 2 Press [TRANSPOSE -] or [TRANSPOSE +] to change the key.



Playback can be transposed in half-step increments up or down two octaves (-24 key to +24 key)

Press [TRANSPOSE 0] to set to the original key.

**Note:**

You can also use the dial on the control unit to adjust the key.

## Repeating Song Playback

### [REPEAT]

There are three repeat modes (ALL, RPT, RND) as described below. You can use these functions for entertainment or study purpose.

Repeat mode settings remain in effect until recording is started, another medium or album is selected, or the Disklavier is tuned off.

- 1 Press [REPEAT] on the remote control.

The repeat setting screen appears.



- 2 Press [REPEAT] to select repeat modes.



The following options are available:

Option	Description
ALL	Repeats all songs on the selected album.
RPT	Repeats selected song.
RND	Shuffles the order of songs on the selected album and repeats the cycle.
OFF	Plays back songs normally.

- 3** Press [PLAY] to start repeat playback.



- 4** To cancel the repeat mode, press [REPEAT] until “OFF” appears on the screen.



## Repeating a Specific Section of a Song (A-B Repeat)

During playback **[A-B]**

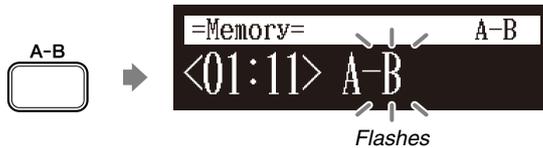
In the A-B repeat, playback is repeated between two specified points in a song: point A and point B. This function is useful when practicing or memorizing a difficult section of a song.

Once specified, points A and B are saved until another song is selected, recording is started, or the Disklavier is turned off.

- 1** To set point A, play back a song and press [A-B] on the remote control when the desired point is reached.

Point A is set.

The A-B repeat setting screen appears with the “B” flashing.

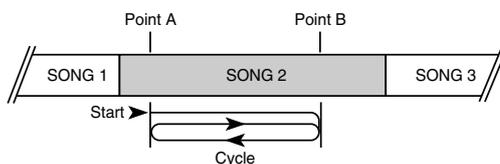


- 2** To set point B, press [A-B] again.

Point B is set.



Playback starts from point A, continues up to point B and, returns to point A and playback starts repeatedly.



**Note:**

You cannot set point B that is beyond the selected song.

## Advanced Song Playback

- 3** To cancel the A-B repeat, press [A-B] so that “OFF” flashes on the screen.



Pressing [BACK] also cancels the point setting, and returns to the song playback screen.

**Note:**

The A-B repeat is cancelled if you escape from the A-B repeat setting screen by other operations.

## Playing Back Only the Desired Piano Part

### [PART SELECT L] or [PART SELECT R]

This could be useful, for example, when listening carefully to one part, and also when you practice only the left- or right-hand part while the Disklavier plays the other.

### ■ Cancelling the Piano Part

- 1** Select the desired song.
- 2** Press [PART SELECT L] or [PART SELECT R] on the remote control to cancel a part.

The part cancellation screen appears with the corresponding part canceled.



#### Notes of displays:

Display	Description
L	Left hand part
R	Right hand part
P	Pedal part
ON	Plays part
OFF	Cancels part
G	Plays part with guide (only for SmartKey song)
---	No plays on part

- 3** To replay the cancelled part, press [PART SELECT L] or [PART SELECT R] again so that “ON” appears on the screen.



- 4** Press [BACK] to return to the song playback screen.



To select a song, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

**Note:**

For the SmartKey song, “ON”, “OFF” and “G” appear sequentially each time you press [PART SELECT L] or [PART SELECT R].

## ■ Cancelling the Pedal Part

- 1** On the part cancellation screen, press [▶] to select “P=.”



- 2** Press [-/NO] to cancel a pedal part.



- 3** To replay the pedal part, press [+ /YES] with the cursor is on “P=.”



- 4** Press [BACK] to return to the song playback screen.



## Adjusting the Volume Balance among the Keyboard Playing, Ensemble Sound, and Software Playback

### [BALANCE]

Besides adjusting the overall volume, the volume balance among the different sound sources as described below can be adjustable.

- TG:** Adjusts the volume of the ensemble sound reproduced by the tone generator (TG) of the Disklavier.
- Audio:** Adjusts the volume of the accompaniment or standard audio sound pre-recorded in the software (CDs).
- Voice:** Adjusts the volume of the ensemble voice when you play using the voice function.

#### Note:

You cannot adjust the volume balance during the DisklavierRadio playback.



See Chapter 5 “Advanced Piano Playing – Playing the Disklavier with an Ensemble Voice” on page 47.

## ■ Adjusting the TG Balance

- 1 Press [BALANCE] on the remote control.

The TG balance setting screen appears.



- 2 Press [+ / YES] and [- / NO] to adjust the volume of the tone generator.



Tone generator volume can be adjusted in a range of 10 to 127.

**Note:**

You can also use the dial on the control unit to adjust the volume.

## ■ Adjusting the Audio Balance

- 1 Press [BALANCE] twice on the remote control.

The audio balance setting screen appears.



- 2 Press [+ / YES] and [- / NO] to adjust the volume of the audio.



Audio volume can be adjusted in a range of 10 to 127.

**Note:**

You can also use the dial on the control unit to adjust the volume.

## ■ Adjusting the Voice Balance

- 1 Press [BALANCE] three times on the remote control.

The voice balance setting screen appears.



- 2 Press [+ / YES] and [- / NO] to adjust the volume of the voice.



Voice volume can be adjusted in a range of 0 to 127.

**Note:**

You can also use the dial on the control unit to adjust the volume.

## Adjusting the Pitch of Audio

During playback **[FUNC.]**

You can temporarily adjust the pitch of the song contains audio (PianoSoft·PlusAudio, SmartPianoSoft) or an audio CD for your listening pleasure.

Pitch adjustments are effective until another medium or album is selected, recording is started, or the Disklavier is turned off.

**Note:**

This function cannot be used to adjust the pitch of external audio CDs connected to the OMNI IN jacks.

- 1 During the song playback, press [FUNC.] on the remote control.

The audio pitch setting screen appears.



- 2 Press [+ / YES] and [- / NO] to change the audio pitch.



Audio pitch can be adjusted in a range of -50 cent to +50 cent (one semitone as 100 cents).

## Adjusting the L/R Balance of Audio

During playback **[FUNC.]**

You can temporarily adjust the L/R balance of an audio CD.

Balance adjustments are effective until another song is selected, recording is started, or the Disklavier is turned off.

### 1 During the song playback, press [FUNC.] several times.

The audio pan setting screen appears.



### 2 Press [+ / YES] and [- / NO] to change the audio pan.



The following pan settings are available:

Option	Description
Left	Audio of the L channel is output to both of the L and R channels.
Center	Audio of the L channel is output to the L channel, and the R channel is output to the R channel.
Right	Audio of the R channel is output to both of the L and R channels.

## Using the Timer Play

[SETUP] → "TimerPlay"

You can program your Disklavier to start or stop playback of a song at various specified times. All you need to do is register up to a maximum of 99 timer settings, and your Disklavier will perform them unattended. This function is called "timer play."

The following describes how to play back the first album in the internal flash memory at 8:15 AM.

### 1 Press [SETUP] on the remote control.

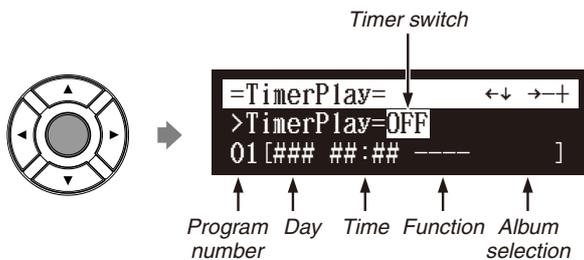
The setup menu screen appears.



### 2 Select "TimerPlay" with the cursor buttons ([◀][▶][▲][▼]), then press [ENTER].



The timer play setting screen appears.



### 3 Confirm that the cursor is on the timer switch, then press [+ / YES] and [- / NO] to switch the timer play on and off.



#### Note:

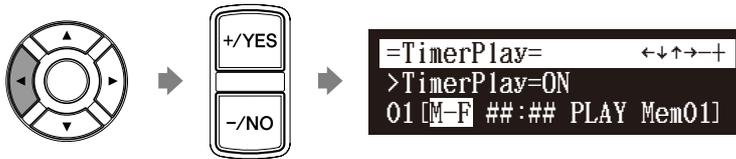
The internal calendar must be set in advance in order for the timer play to function. See Chapter 2 "Getting Started – Setting the Internal Calendar" on page 15.

#### Note:

The control unit must be turned on in advance in order for the timer play to function. The timer play cannot turn on/off the control unit.



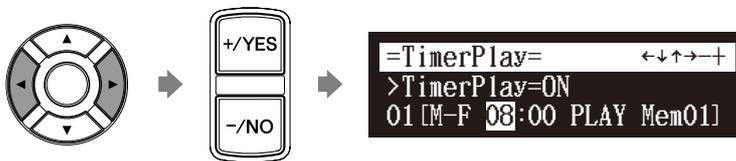
- 7** Press [ ◀ ] to move the cursor to the day parameter, then press [+ / YES] and [- / NO] to select the desired day.



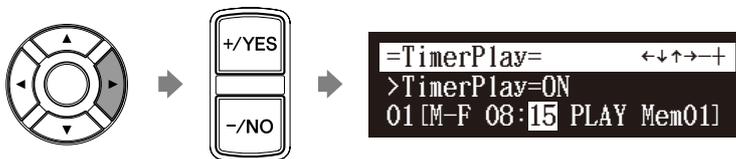
The following day settings are available:

ALL	The timer play functions on every day of the week.
MON	The timer play functions only on Monday.
TUE	The timer play functions only on Tuesday.
WED	The timer play functions only on Wednesday.
THU	The timer play functions only on Thursday.
FRI	The timer play functions only on Friday.
SAT	The timer play functions only on Saturday.
SUN	The timer play functions only on Sunday.
M-F	The timer play functions on Monday thru Friday.
M-S	The timer play functions on Monday thru Saturday.

- 8** Press [ ▶ ] to move the cursor to the hour parameter, then press [+ / YES] and [- / NO] to set hours.



- 9** Press [ ▶ ] to move the cursor to the minute parameter, then press [+ / YES] and [- / NO] to set minutes.



- 10** Press [ENTER] to return to the setup menu screen.



## Advanced Song Playback

## ■ About Song Playback Screen

When the song playback is stopped — with the timer play function is set to ON and the current time is displayed — “T” flashes to the right side of the current time.



↑  
Indicates that the timer play is on.

## Skipping the Blank Part at the Beginning of a Song

[SETUP] → "Playback"

When there is a blank part created at the beginning of the recorded song, turning on this function automatically skips the unwanted part and starts playback from the actual beginning of the song.

### 1 Press [SETUP] on the remote control.

The setup menu screen appears.



### 2 Select "Playback" with the cursor buttons ([◀][▶][▲][▼]), then press [ENTER].



The playback setting screen appears with the cursor flashing.



### 3 Press [+ / YES] and [- / NO] to change setting.



- 4** Press [ENTER] to return to the setup menu screen.



## Video Synchronized Playback

You can enjoy piano playback with the video recorded on the DVD recorder.

- 1** Perform the video synchronized recording in advance.
- 2** Make sure that the OMNI IN setting is set to “AutoDetect”.
- 3** Turn down the volume completely on the TV if you connect the audio output of the DVD recorder to the TV.  
Turn down the volume completely on the camcorder if you use the camcorder only.
- 4** Start playback on the DVD recorder.

Start playback on the camcorder if you use the camcorder only.

The Disklavier automatically searches and selects the song paired with the video, and then starts playback as well.

```
=Memory= (SYNC) SO V+00
A01-005 PIANO005.MID
<00:03>
```

### If the piano playing is not synchronized with the video

Adjust the offset time for synchronization. See Chapter 10 “Enhancing the Disklavier by Hooking Up Other Devices – Setting the Disklavier for Audio Data Reception/Transmission” on page 106.

### If noises (synchronized signal) are heard during playback

Turn down the signal level and re-record. See Chapter 10 “Enhancing the Disklavier by Hooking Up Other Devices – Setting the Disklavier for Audio Data Reception/Transmission” on page 106.



For details on video synchronized recording, see Chapter 7 “Advanced Recording – Video Synchronized Recording” on page 61.

#### Note:

Be sure to rewind the video cassette to locate the beginning of the recording. It may take some time before piano playback starts if you start playback halfway through the video.

#### Note:

When using the song copied to the USB flash memory, it may take some time until the Disklavier recognizes the information for synchronization.



See “Setting for Video Synchronized Recording” on page 61.

#### Note:

When searching for songs for video synchronized playback from a USB flash memory, you can search from a maximum of 150 songs per USB flash memory. It is therefore recommended that you copy songs for video synchronized playback onto the internal memory. When saving onto a USB flash memory, it is recommended that you do not exceed a total of 150 saved songs per memory.

#### Note:

You cannot operate the Disklavier using the control unit or remote control during video synchronized playback. If you want to stop playback of the song, stop playback on the DVD recorder (or the camcorder).

## Adding Disklavier Accompaniment to Commercial CD Songs (PianoSmart™ Playback)

Insert a CD → Select a SmartPianoSoft song → [PLAY]

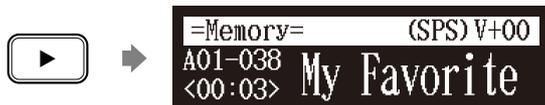
You can add a Disklavier piano performance you recorded or on commercially available SmartPianoSoft software to the playback of songs on your favorite CDs.

**1** Insert a desired CD that you want to synchronize with the SmartPianoSoft song.

**2** Select a desired SmartPianoSoft song.

**3** Press [PLAY].

Playback begins with the CD playback.



To record the piano performance to add, see Chapter 7 “Advanced Recording – CD Synchronized Recording” on page 65.



To select a song, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

## SmartKey™ Playback

Select a SmartKey song → [PLAY]

Special SmartKey software uses all the “SmartKey” features to create an exciting way in which non-players can learn to play simple melodies, one note at a time, without the need for written music. SmartKey software does this by partially depressing the piano key to signal which note should be played. The Disklavier then waits for you to press this key before it continues to the next note in the melody (If you miss the movement of the key, the Disklavier will repeat the movement until you press the key). When you press the key, the Disklavier will reward you with ear tickling phrases, incredible harmonies, and lush arpeggios to give you the aural and visual image of a complete high-quality performance. In short, it SHOWS you which key to play, WAITS for you to play that key before it continues, and REWARDS you with music. It is like having an eternally patient music teacher showing your fingers which notes to play.

**1** Select a desired SmartKey song.



To cancel the SmartKey playback, see Chapter 4 “Advanced Song Playback – Playing Back Only the Desired Piano Part” on page 34.

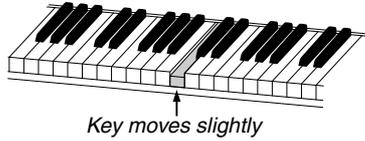


To select a song, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

**2** Press [PLAY].



Playback stops, and the key to play next moves slightly.



The key to play flashes in the counter.

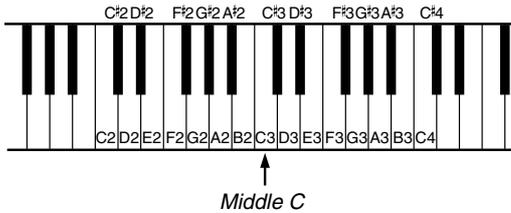


**3** Play the key that the keyboard indicates.

This will continue until the song is finished. Notice that the Disklavier patiently waits for you to play the right key before proceeding to the next key. Also, notice that if you happen to miss the cue, it will gently remind you what the key is every few seconds until you play the right key.

**Key Notation**

As a reference, "C3" is middle "C", which means "C4" is an octave above middle "C" and so on.



# Advanced Piano Playing

## Playing the Disklavier along with the Internal Metronome

### [METRONOME]

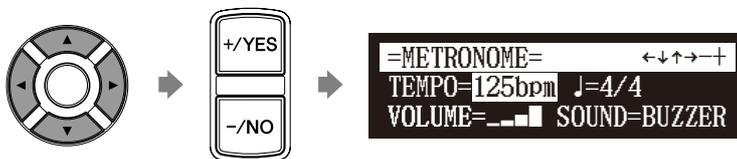
The internal metronome helps you playing along the meter (beat) and the tempo you set. Also the volume of the metronome can be adjusted.

### 1 Press [METRONOME] on the remote control.

The metronome setting screen appears and the metronome starts to click.

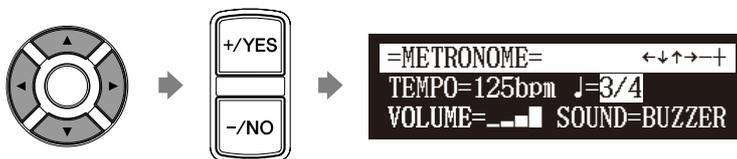


### 2 To change the tempo, move the cursor to the tempo parameter (“TEMPO”) with the cursor buttons ([ < ] [ > ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].



The tempo can be adjusted in a range of 30 bpm to 400 bpm.

### 3 To change the beat, move the cursor to the beat parameter (“J”) with the cursor buttons ([ < ] [ > ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].

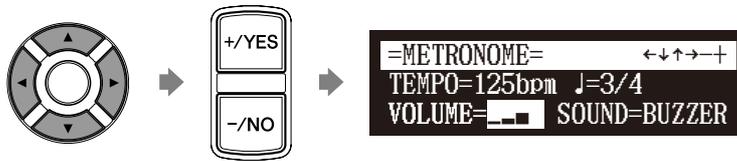


The following beat settings are available: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 9/4.

#### Note:

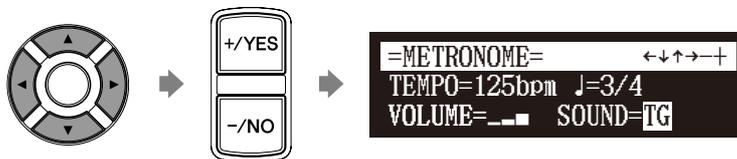
The tempo parameter displayed on the metronome setting screen indicates the number of beats in a minute, and one beat represents a quarter. When you play a song written in different measure unit from quarter note, change the setting (e.g. When playing a song in 3/2, set beat to 6/4).

- 4** To change the volume, move the cursor to the volume parameter (“VOLUME”) with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].



The volume can be adjusted in 4 steps.

- 5** To change the sound, move the cursor to the sound parameter (“SOUND”) with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].



The following sound settings are available: BUZZER, TG

- 6** To cancel this function, press [METRONOME] again.



## Playing the Disklavier with an Ensemble Voice

### [VOICE]

The Disklavier’s [VOICE] lets you assign a voice from the internal XG tone generator to accompany the piano while you play. You will hear in unison the piano sound coming from the Disklavier and an ensemble voice produced by the internal XG tone generator. This is sometimes referred to as voice layering or unison.

The internal XG tone generator offers 480 instrumental voices and 11 drum kits for playing the keyboard.



For details on voice groups and voices, see Chapter 12 “Internal Tone Generator Voices” on page 127.

- 1** Press [VOICE] on the remote control.

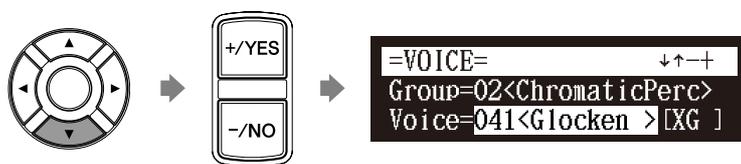
The voice selection screen appears, and the voice function is activated.



## Advanced Piano Playing

**2** Press [+ / YES] and [- / NO] to select a voice group.

Changing the voice group displays the top voice of that group in the voice parameters.

**3** To change the voice, press [▼] to move the cursor to the voice parameter (“Voice”), then press [+ / YES] and [- / NO].

If necessary, adjust the volume of the voice in the voice balance setting screen.

**4** To inactivate this function, press [VOICE] again.

See Chapter 4 “Advanced Song Playback – Adjusting the Volume Balance among the Keyboard Playing, Ensemble Sound, and Software Playback” on page 35.

**Note:**

The voice function is inactivated if you escape from the voice selection screen by other operations.

# Basic Recording

A song that you play on the Disklavier can be recorded and the recorded song can be easily saved for the selected medium. Furthermore, you can title your new recording for simple distinguish before recording.

## Recording a New Song

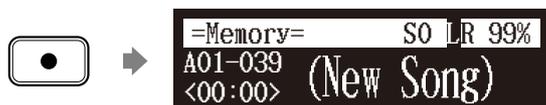
[RECORD]

You can save a new song that you play for an album.

### 1 Select a destination medium and album.

### 2 Press [RECORD].

The recording standby screen appears, and [RECORD] on the control unit lights red and [PLAY/PAUSE] flashes in green.



The level appears in the format section as soon as you play a keyboard or press a pedal.

### 3 Press [PLAY].



[PLAY/PAUSE] stops flashing.  
The Disklavier is now ready for you to play.

### 4 Start playing your song.

Recording will start automatically as soon as you touch a key. The counter starts to advance.



### 5 Press [STOP] when you finish playing your song.



The recorded song is loaded.

#### Note:

Up to 999 songs can be recorded in a medium.



To select a medium and album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

#### Note:

You cannot select “CD” as the destination medium.

## Titling a Song at the Start of Recording

[RECORD] [FUNC.]x2

Title a new song before you start recording.

### 1 Select a destination medium and album.



To select a medium and album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

### 2 Press [RECORD].



To rename the existing song, see Chapter 8 “Media Management – Renaming a Song” on page 75.

### 3 Press [FUNC.] twice in the recording standby screen.

The song title editing screen appears.



### 4 Enter a title to a new song.



You can enter up to 64 characters.  
Follow the instructions in “Entering Characters” on next page.

### 5 Press [PLAY] after title determined.



Recording begins.

## ■ Entering Characters

### How to Enter Characters with the Remote Control

The following illustration shows how to enter characters with the remote control.

**Number keypad**  
Overwrites a number.

**[SEARCH] button**  
Overwrites a dot (.).

**[REVERSE] button**  
Deletes a character. The characters on the right of the deleted one move to the left for one character space.

**[FORWARD] button**  
Inserts a space.

**[ < ]/[ > ] buttons**  
Moves the cursor left and right.

**[+ / YES] / [- / NO] buttons**  
Selects the character. Pressing these keys simultaneously overwrites a space.

**Yellow button**  
Switches the character types.  
The character type cycles as follows each time you press this button:

```

[A-Z]: letters (upper case)
↓
[a-z]: letters (lower case)
↓
[etc]: symbols
↓
[0-9]: numbers
    
```

### Available Characters

The following table shows which characters are available.

Character Type	Characters															
<b>Letters (Upper Case) [A-Z]</b>	Space	A	B	C	D	E	F	G	H	I	J	K	L			
	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
<b>Letters (Lower Case) [a-z]</b>	Space	a	b	c	d	e	f	g	h	i	j	k	l			
	m	n	o	p	q	r	s	t	u	v	w	x	y	z		
<b>Symbols [etc]</b>	Space	!	"	#	\$	%	&	'	(	)	*	+	,			
	-	.	/	:	;	<	=	>	?	_	@					
<b>Numbers [0-9]</b>	Space	0	1	2	3	4	5	6	7	8	9					

# Advanced Recording

This chapter describes further functions for the advanced piano recording such as playing and measuring the current playing song tempo with the metronome, recording the left-hand part and the right-hand part separately.

## Recording with the Internal Metronome

[METRONOME] [RECORD]

You can use the metronome to record songs.

Songs recorded with the metronome will be in the measures and beats format.

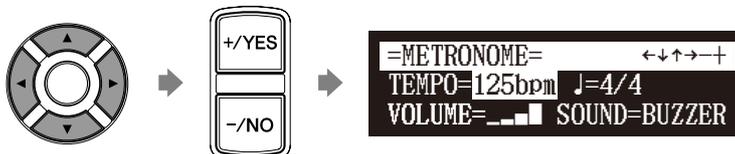
All metronome parameters are reset when the Disklavier is switched off.

### 1 Press [METRONOME] on the remote control.

The metronome setting screen appears.

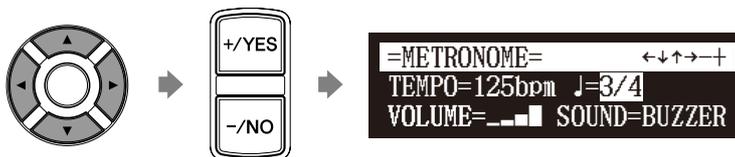


### 2 To change the tempo, move the cursor to the tempo parameter (“TEMPO”) with the cursor buttons ([◀] [▶] [▲] [▼]), then press [+ / YES] and [- / NO].



The tempo can be adjusted in a range of 30 bpm to 400 bpm.

### 3 To change the beat, move the cursor to the beat parameter (“J”) with the cursor buttons ([◀] [▶] [▲] [▼]), then press [+ / YES] and [- / NO].

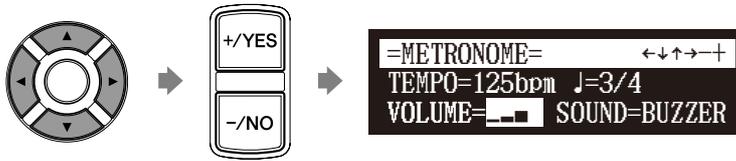


The following beat settings are available: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 9/4.

#### Note:

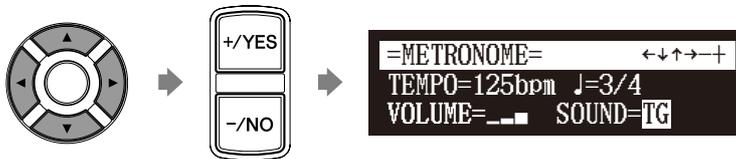
The tempo parameter displayed on the metronome setting screen indicates the number of beats in a minute, and one beat represents a quarter. When you play a song written in different measure unit from quarter note, change the setting (e.g. When playing a song in 3/2, set beat to 6/4).

- 4** To change the volume, move the cursor to the volume parameter (“VOLUME”) with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].



The volume can be adjusted in 4 steps.

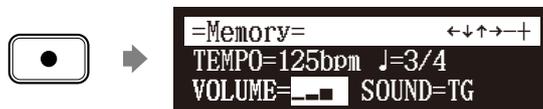
- 5** To change the sound, move the cursor to the sound parameter (“SOUND”) with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO].



The following sound settings are available: BUZZER, TG

- 6** Press [RECORD] in the metronome setting screen.

The metronome recording setting screen appears.

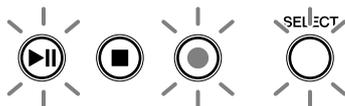


- 7** Press [PLAY]



Recording begins immediately.

[PLAY/PAUSE], [REC] and [SELECT] on the control unit flash simultaneously at the first beat of the metronome.



- 8** Start playing your song.

- 9** Press [STOP] when you finish playing your song.



The recorded song is loaded.

## Recording the Left and Right Parts Separately

[RECORD] [FUNC.]

When recording an L/R song, the left- and right-hand parts can be recorded separately. Either part can be recorded first, and the pedals can be recorded with the first part.

While you record the second part, the first part will play back for monitoring.

If the left-hand or right-hand part is difficult to play at normal speed, the first part can be recorded at a slow tempo, and then the tempo changed afterwards to record the second part at the normal song speed.

**This section describes how to record the left-hand part first then the right-hand part second.**

### 1 Select a destination medium and album.

### 2 Press [RECORD].



### 3 Press [FUNC.] in the recording standby screen.

The part selection screen appears.



### 4 Make sure that the left-hand part is set to be recorded ("L=REC"), then press [PLAY].



This Disklavier is now ready for you to play the left-hand part.

### 5 Start playing your song.

Recording will start as soon as you touch a key.

### 6 Press [STOP] when you finish playing your song.



The L/R song with the left-hand part recorded is saved onto the selected album.

Next, record the right-hand part overwriting the left-hand part that you have just recorded.



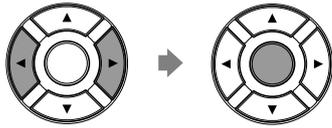
To select a medium and album, see Chapter 3 "Basic Song Playback – Selecting Medium and Their Contents" on page 21.



In the case you want to title your new song before recording, see Chapter 6 "Basic Recording – Titling a Song at the Start of Recording" on page 50, to rename the title after recording, see Chapter 8 "Media Management – Renaming a Song" on page 75.



If you want to record your L/R song using the metronome, see Chapter 7 "Advanced Recording – Recording with the Internal Metronome" on page 52.

**7** Press [RECORD].**8** Press [◀] and [▶] to select the L/R song with the left-hand part that you have just recorded, then press [ENTER].**9** Press [FUNC.] in the recording standby screen.

The part selection screen appears.



The part that has already been recorded is displayed as “L=PLY.”

**10** Press [PART SELECT R] to record the right-hand part.

The part set to “REC” will be recorded.

**11** Press [PLAY].

Playback of the left-hand recorded part starts immediately, so be sure that you are ready to play the right-hand part along with it.

## Advanced Recording

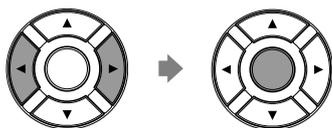
**12** Press [STOP] when you finish playing your song.

The following screen appears.



The following table gives a description of each of the options.

Option	Description
SAVE	The second part is saved with the first part under the current song number, overwriting the previously saved first part.
NEW	The second part is saved under a new song number. The first part is kept under the previous song number.
CANCEL	The second part is discarded. The first part is kept under the previous song number.

**13** Press [◀] and [▶] to select an option, then press [ENTER].

The right-hand part is saved as indicated or canceled.

## Recording the Left and Right Parts Together (Setting a Split Point)

[RECORD] [FUNC.]

You can also record an L/R song by playing the left- and right-hand parts simultaneously. In this case, a keyboard split point is set, and the notes played on the left-hand side of the split point are saved as the left-hand part, and notes played on the right-hand side of the split point are saved as the right-hand part.

**1** Select a destination medium and album.**2** Press [RECORD].**3** Press [FUNC.] in the recording standby screen.

The part selection screen appears.



To select a medium or album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.



In the case you want to title your new song before recording, see Chapter 6 “Basic Recording – Titling a Song at the Start of Recording” on page 50, to rename the title after recording, see Chapter 8 “Media Management – Renaming a Song” on page 75.



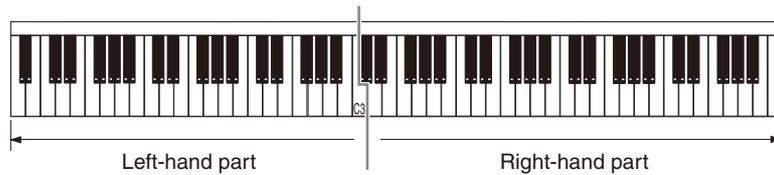
If you want to record your L/R song using the metronome, see Chapter 7 “Advanced Recording – Recording with the Internal Metronome” on page 52.

#### 4 Press [PART SELECT R] to set both parts to record.

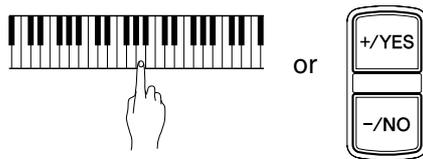
The split point setting screen appears.



The above display shows that the default keyboard split point is note C3, or middle C. In this case, note C3 and notes below are saved as the left-hand part and notes above C3 are saved as the right-hand part, as shown in the following figure.



#### 5 To change the split point, press a key on the keyboard or [+ / YES] and [- / NO] to select a different key.



The split point can be set from note A-1 to note C7.

#### 6 Press [PLAY].



The Disklavier is now ready for you to play.

#### 7 Starts playing your song with the left- and right-hand parts and the pedal part simultaneously.

Recording will start as soon as you touch a key.

#### 8 Press [STOP] when you finish playing your song.



The recorded song is loaded.

## Re-Recording One Part

[RECORD] → Select the L/R song → [PART SELECT L] or [PART SELECT R]

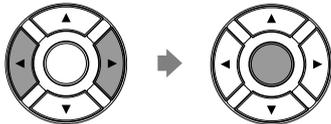
You can re-record the only one part left-hand or the right-hand of the existing L/R song.

**1** Select a desired medium and album.

**2** Press [RECORD].



**3** Press [◀] and [▶] to select the L/R song that you want to re-record, then press [ENTER].



**4** Press [PART SELECT L] or [PART SELECT R] to select the part to re-record.



The part set to “REC” will be re-recorded.

**5** Press [PLAY].



Recording will start immediately, so be sure that you are ready to play the part.

**6** Press [STOP] when you finish playing your song.

The following screen appears.

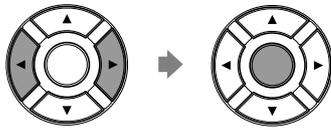


To select a medium and album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

The following table gives a description of each of the options.

Option	Description
SAVE	The re-recorded part is saved with the other existing part under the current song number, overwriting the selected part.
NEW	The re-recorded part is saved under a new song number. The existing parts are kept under the current song number.
CANCEL	The re-recorded part is discarded. The existing parts are kept under the current song number.

**7** Press [ ◀ ] and [ ▶ ] to select an option, then press [ENTER].



The re-recorded part is saved as indicated or canceled.

## Changing the Default Tempo

[RECORD] → Select the song → [FUNC.]×3

This function allows you to change the default tempo of a song and save the change. It should not be confused with the playback tempo function described in Chapter 4 “Advanced Song Playback – Changing the Playback Tempo” in which tempo changes are lost when the Disklavier is turned off.

The tempo of a song can be changed many times. This function can be used when recording a very complex song that is difficult to play at a fast tempo. First, record the song at a tempo you can manage, then change the tempo afterwards. For example, you could record a difficult left-hand part at a slow tempo, use this function to change the tempo, then record the right-hand part at the normal tempo.

If a song’s time format is minutes and seconds, tempo changes are specified as a percentage of the original tempo.

If a song’s time format is measures and beats, tempo changes are specified in beats per minute.

**1** Select a desired medium and album.

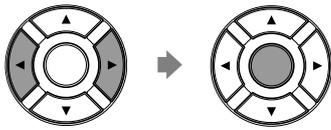
**2** Press [RECORD].



To select a medium or album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

## Advanced Recording

- 3** Press [◀] and [▶] to select the song in which you want to change the tempo, then press [ENTER].



- 4** Press [FUNC.] three times.



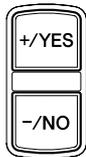
For **measures and beats**, the current song tempo (bpm) is shown.



For **minutes and seconds**, the current song tempo is shown as "000%."



- 5** Press [+ / YES] and [- / NO] to change the tempo.



[+ / YES] increases the tempo, and [- / NO] decreases the tempo.

For **measure and beats**, the tempo range is from 30 bpm to 400 bpm.

For **minutes and seconds**, the tempo range is from -75% to +242%.

- 6** Press [STOP] to save the tempo change.

The following screen appears.



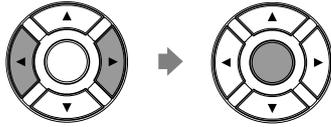
The following table gives a description of each of the options.

Option	Description
SAVE	The song is saved at its new tempo under the current song number.
NEW	The song is saved at its new tempo under a new song number. The original song is kept under the previous song number.
CANCEL	The song with a new tempo is discarded. The original song is kept under the previous song number.

**Note:**

You cannot change the beat setting on the prerecorded songs.

- 7** Press [ ◀ ] and [ ▶ ] to select an option, then press [ENTER].



To change the tempo again or to reset the original tempo, repeat steps 1 to 6.

## Video Synchronized Recording

[SETUP] → "AudioI/O" → **Connect a camcorder and a DVD recorder**

By recording a song played on the Disklavier synchronized with the video recording, later on, you can enjoy piano playback with the video. First set up the camcorder, the DVD recorder, and the Disklavier, and then start recording by following the procedures below.



For details on video synchronized playback, see Chapter 4 "Advanced Song Playback – Video Synchronized Playback" on page 43.

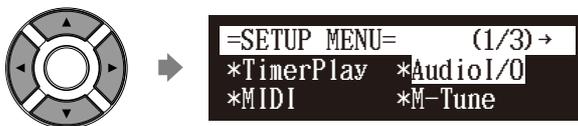
### ■ Setting for Video Synchronized Recording

- 1** Press [SETUP] on the remote control.

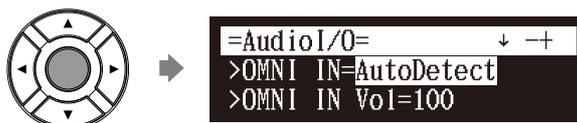
The setup menu screen appears.



- 2** Select "AudioI/O" with the cursor buttons ([ ◀ ] [ ▶ ] [ ▲ ] [ ▼ ]), then press [ENTER].

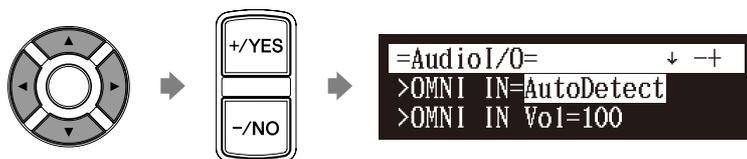


The audio I/O setting screen appears.

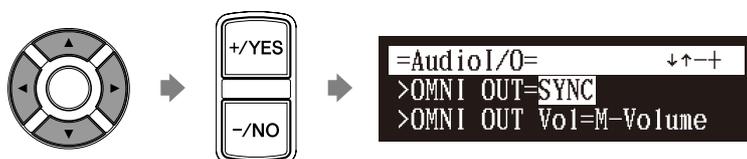


## Advanced Recording

- 3** Select “OMNI IN” with the cursor buttons ([ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO] to change setting to “Auto Detect”.

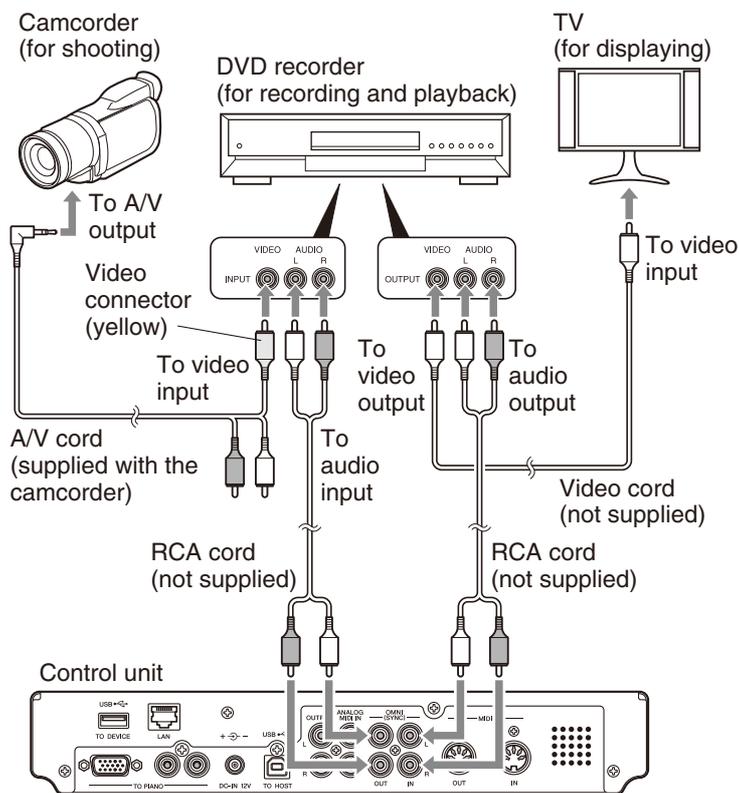


- 4** Select “OMNI OUT” with the cursor buttons ([ ▲ ] [ ▼ ]), then press [+ / YES] and [- / NO] to change setting to “SYNC”.



- 5** Press [ENTER] to complete the operation.

- 6** Connect a camcorder and a DVD recorder to the control unit.

**Note:**

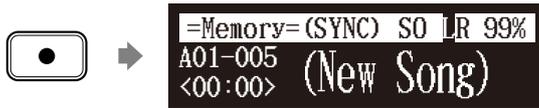
Confirm the shape of input/output connectors on the camcorder and the DVD recorder, and prepare the cables fit to them.

## ■ Starting Video Synchronized Recording

### 1 Select a destination medium and album.

### 2 Press [RECORD].

The video synchronized recording standby screen appears, and [RECORD] on the control unit lights red, and [PLAY/PAUSE] flashed in green.

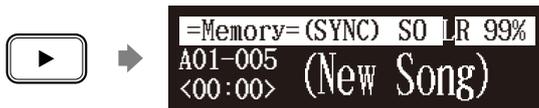


### 3 Set the camcorder to video shooting mode.

### 4 Select the video input on the DVD recorder which the camcorder is connected to, then start recording on the DVD recorder.

### 5 Press [PLAY].

[PLAY/PAUSE] stops flashing, and the counter starts to advance.



### 6 Wait for approximately ten seconds, and then start playing your song.

### 7 Press [STOP] when you finish playing your song.



### 8 Stop recording on the DVD recorder.



To select a medium and album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.

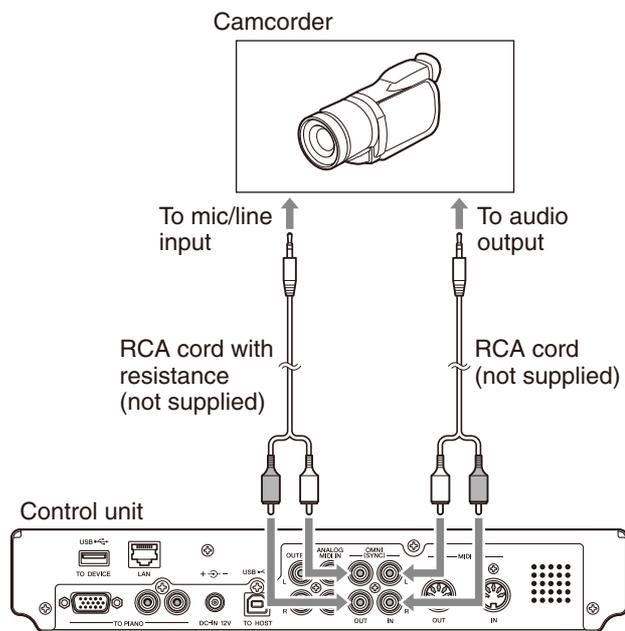
#### Note:

This step is necessary for synchronization of the song and the video playback, and should not be omitted.

## ■ Using the Camcorder only

If your camcorder has both mic input and audio output, you can perform video synchronized recording using the camcorder only.

1. Set the Disklavier following the procedures 1 to 5 on page 61.
2. Connect a camcorder to the control unit.



3. Select a destination medium and album.
4. Press [RECORD].
5. Start recording on the camcorder.
6. Press [PLAY].
7. Wait for approximately ten seconds, and then start playing your song.
8. Press [STOP] when you finish playing your song.
9. Stop recording on the camcorder.

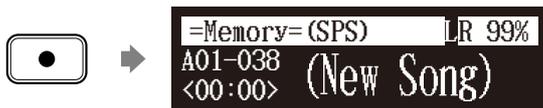
## CD Synchronized Recording

Insert an audio CD **[RECORD]**

You can record a Disklavier piano performance along with the playback of songs on commercial CDs.

- 1** Select a destination medium and album, then song in the selected album.
- 2** Insert an audio CD and select the song that you want to synchronize with.
- 3** Press **[RECORD]**.

The SPS recording standby screen appears, and **[RECORD]** on the control unit lights red, and **[PLAY/PAUSE]** flashes in green.



- 4** Select the desired part of a song, then press **[PLAY]** to start synchronizing.



Recording begins with the CD playback.

- 5** Start playing the Disklavier along with the CD playback.

- 6** Press **[STOP]** to stop recording.



The recorded song is loaded.

### Note:

The Disklavier recognizes the destination album by selecting the song in it. Note that the selected song is not overwritten by this procedure.



To select a medium and album, see Chapter 3 “Basic Song Playback – Selecting Medium and Their Contents” on page 21.



To play back the performance recorded with this feature, see Chapter 4 “Advanced Song Playback – Adding Disklavier Accompaniment to Commercial CD Songs (PianoSmart™ Playback)” on page 44.