YAMAHA

DIGITAL KEYBOARD

PSR-I610
PSR-I510

HARMONIUM	VEENA	SARANGI	SITAR	BANSURI
TABLA	MRIDANGAM	CHENDA	SWARMANDAL	NADASWARAM

Owner's Manual

Before using the instrument, be sure to read "PRECAUTIONS" on pages 5 – 7.

GENERAL MIDI   XG XGlite   STYLE FILE

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. _____

Serial No. _____

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Especially in the case of children, a guardian should provide guidance on how to properly use and handle the product before actual use.
Please keep this manual in a safe and handy place for future reference.

⚠ WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply

- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Do not touch the product or the power plug during an electrical storm.
- Use only the correct voltage specified for the product. The required voltage is printed on the name plate of the product.
- Use only the supplied or the specified AC adaptor (page 41)/power cord/plug.
- Do not use the supplied AC adaptor/power cord/plug for other devices.
- Check the power plug periodically and remove any dirt or dust which may have accumulated on it.
- Insert the power plug firmly all the way into the AC outlet. Using the product when it is not plugged in sufficiently can cause dust to accumulate on the plug, possibly resulting in fire or skin burns.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- Do not connect the product to an electrical outlet using a multi-plug outlet extender. Doing so can result in lower sound quality, or possibly cause fire at or around the outlet.
- When disconnecting the power plug, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shock or fire.
- If not using the product for long periods of time, be sure to pull the power plug from the AC outlet.

Do not disassemble

- This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

Water warning

- Do not expose the product to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings or places where water may drop. A liquid such as water getting into the product may cause fire, electric shock, or malfunctions.
- Use the AC adaptor indoors only. Do not use it in any wet environments.
- Never insert or remove a power plug with wet hands.

Fire warning

- Do not place any burning items or open flames near the product, since they may cause fire.

Batteries

- Do not dispose of a battery in a fire.
- Do not expose the battery to conditions of extreme low air pressure, cold or heat (such as in direct sunlight or a fire). Doing so may result in the battery rupturing or exploding, and cause fire or injury.
- Do not disassemble batteries. Doing so could result in fire, overheating, rupture, explosion, or leakage, causing burns or injury.
- Follow the precautions below. Failure to do so could result in fire, overheating, leakage, or malfunction causing burns or injury.
  – Use the specified battery type (page 41) only.
  – Do not use new batteries together with old ones.
  – Do not mix batteries of different types (alkaline and manganese, batteries from different manufacturers, different battery products from the same manufacturer, etc.).
  – Always make sure all batteries are inserted in conformity with the +/– polarity markings.
  – When the batteries run out, or if the product is not to be used for a long time, remove the batteries from the product.

- Do not attempt to recharge batteries that are not designed to be charged. Doing so could result in rupture or leakage causing injury, etc.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.
- When using rechargeable batteries, follow the instructions that came with the batteries. Use only the specified charger device and within the specified charging temperature range when charging.
  Charging with an unspecified charger or at a temperature outside the range may cause leakage, overheating, rupture, or malfunction.
- Keep batteries away from children. A child could accidentally swallow a battery. Failure to observe this may also cause inflammation due to battery fluid leakage.
- Do not subject the batteries to mechanical shock or drop. Failure to comply may result in fire, electric shock, explosion, malfunction.
- Do not intentionally short the battery. Rupture or fluid leakage may cause fire or injury.
- Do not put batteries in a pocket or bag, or carry or store them together with pieces of metal. Batteries kept in such condition could short, rupture, or leak, causing fire or injury.

Connections

- Be sure to read the manual of the device to be connected, and follow the instructions. Failure to observe this may cause fire, overheating, rupture, or malfunction.

If you notice any abnormality

- If any of the following problems occur, immediately turn off the power switch and disconnect the power plug from the outlet. If you are using batteries, remove all batteries from the product.
  Finally have the device inspected by Yamaha service personnel.
  – The power cord or plug becomes frayed or damaged.
  – Unusual smells or smoke are emitted.
  – Some object, or water has been dropped into the product.
  – There is a sudden loss of sound during use of the product.
  – Cracks or other visible damage appear on the product.

⚠️ *CAUTION*

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the product or other property. These precautions include, but are not limited to, the following:

Location

- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over, resulting in malfunction and even injury.
- Before moving the product, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- Use only the stand specified for the product. When attaching it, use the included screws only. Failure to do so could result in the product falling over, causing damage to the product or injury.

Connections

- Before connecting the product to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.
- Be sure to set the volumes of all devices at their minimum levels and gradually raise the volume controls while playing the product to set the desired listening level.

Handling

- Do not insert your finger or hand in any gaps on the product.
- Do not insert foreign materials such as metal or paper into any openings or gaps of the product. Failure to observe this may cause fire, electric shock, or malfunctions.
- Do not rest your weight on, or place heavy objects on the product, and do not use excessive force on the buttons, switches or connectors.
- Do not use the product or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.
- Remove the power plug from the AC outlet before cleaning the unit. Failure to observe this may cause electric shock.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the product, or data that is lost or destroyed.

Always turn the power off when the product is not in use.
Even when the [⏻] (Standby/On) switch is in standby status (display is off), electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure you unplug the power cord from the wall AC outlet.

NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

■Handling

- Do not use this product in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, this product or the other device may generate noise.
- When you use the product along with an app on your smart device, such as a smartphone or tablet, we recommend that you enable "Airplane Mode" on the device to avoid noise caused by communication.
- Depending on the condition of surrounding radio waves, the product may possibly malfunction.
- Do not expose the product to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of disfiguration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the product, since this might discolor the product.

■Maintenance

- When cleaning the product, use a soft and dry (or slightly damp) cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.

■Saving data

- Some of the data of this product (page 38) are retained when the power is turned off. However, the saved data may be lost due to some failure, an operational mistake, etc. Save your important data onto USB flash drive/an external device such as a computer. Before using a USB flash drive, make sure to refer to page 31.
- To protect against data loss through USB flash drive damage, we recommend that you save your important data onto spare USB flash drive or an external device such as a computer as backup data.

Information

■About copyrights

- The copyright of the "content"*[1] installed in this product belongs to Yamaha Corporation or its copyright holder. Except as permitted by copyright laws and other relevant laws, such as copying for personal use, it is prohibited to "reproduce or divert"*[2] without the permission of the copyright holder. When using the content, consult with a copyright expert. If you create music or perform with the contents through the original use of the product, and then record and distribute them, the permission of Yamaha Corporation is not required regardless of whether the distribution method is paid or free of charge.

  *1: The word "content" includes a computer program, audio data, Accompaniment Style data, MIDI data, waveform data, voice recording data, music score, and score data, etc.
  *2: The phrase "reproduce or divert" includes taking out the content itself in this product, or recording and distributing it without changes in a similar manner.

■About functions/data bundled with the product

- Some of the Songs downloaded from the Yamaha product website have been edited for length or arrangement, and may not be exactly the same as the original.

■About the appearance of this product

- This product may appear to have lines or scratches on the surface.The apparent lines or scratches are called "weld lines." They occur during the process of modeling the case and do not affect the functionality of the product.

■About this manual

- The illustrations and LCD displays as shown in this manual are for instructional purposes only.
- Unless indicated otherwise, the illustrations and displays as shown in this manual are based on the PSR-I610.
- USB Type-C™ and USB-C™ are registered trademarks of USB Implementers Forum.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

■About disposal

- When disposing of this product, please contact the appropriate local authorities.
- Make sure to discard used batteries according to local regulations.

Thank you for purchasing this Yamaha Digital Keyboard!
This digital keyboard features a wide variety of sounds and useful functions, especially designed for playing Indian music.
We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument.
We also recommend that you keep this manual in a safe and handy place for future reference.

Contents

About the Manuals

The following documents and instructional materials are available for this instrument.

■ Supplied with the Instrument

● **Owner's Manual (this book)**
This provides information on using this instrument and on its basic functions. Read this document first.

■ Available on the Website

● **Reference Manual**
This provides detailed information on all functions of this instrument.

● **Data List**
This provides lists of Voices, Styles, etc., built into this instrument as well as information about MIDI.

● **Smart Device Connection Manual**
This provides instructions on connecting this instrument to smart devices, such as smartphones and tablets.

● **MIDI Basics**
This contains basic explanations about what MIDI is and can do.

The manuals listed above can be found on the following Yamaha website.

https://manual.yamaha.com/mi/rt/psr-i610/downloads/

Downloading the Song Book
The Song Book can be downloaded free of charge from "Documents & Data" on the above website. Feel free to use it.

PDF **Song Book**
Contains music scores for the preset Songs (excluding the Demo Songs) of this instrument.


■ Video Manuals

These are specially prepared video manuals that show how to use this instrument.

To see the video manuals, visit the following Yamaha website.

https://manual.yamaha.com/mi/rt/psr-i610/videos/

Conventions

⚠ **WARNING**	Indicates a risk of serious injury or death.
⚠ **CAUTION**	Indicates a risk of injury.
NOTICE	Indicates a risk of product failure, damage or malfunction as well as data loss.
NOTE	Indicates additional information that may be useful.

Included Accessories

☐ Owner's Manual (this book) × 1   ☐ Music rest × 1
☐ AC adaptor × 1*   ☐ Power Cord × 1* (PSR-I610)

* May not be included depending on your area. Check with your Yamaha dealer.

What You Can Do (Basic)

Use a wide variety of authentic Indian instrument sounds in your performances　　page 21

◆ Play using authentic sounds of Indian instruments, such as Harmonium, Sitar, Bansuri, Veena, and others.

◆ Have instant access to an enormous number of Voices, not only Indian instruments but also piano, guitar, etc. (PSR-I610: 927 Voices; PSR-I510: 887 Voices).

◆ Layer two Voices together (Dual), or play different Voices independently with your right and left hands (Split).

Enjoy playing with realistic, full-band accompaniment using the Auto Accompaniment function (Style)　　pages 22, 23

◆ With backing accompaniment patterns available in a variety of genres—diverse Indian music such as film soundtracks or festival music as well as pop, rock, dance, or Latin.

◆ Featuring not only rhythm but also bass and chord parts, Styles allow you to play and sound like a full band or orchestra—even by yourself.

◆ Instead of playing chords with your left hand, you can simply play music with just your right hand along with full chord progressions automatically played with the Auto Chord Play function.

Practice Indian rhythms and melodies using the Riyaz function　　page 24

◆ The Riyaz function enables you to practice a wide range of Indian classical music to the rhythm patterns of Tabla/Mridangam and the Tanpura drone.

Play or practice preset Songs such as Indian Raga or Geetam, etc.　　pages 26, 27, 28

◆ Play back or practice using the Lesson feature with a wide variety of preset Songs, such as Indian Raga or Geetam as well as Western classical piano songs etc. (PSR-I610: 75 Songs; PSR-I510: 65 Songs).

Record and play back your performance (MIDI/Audio)　　pages 29, 30

◆ Record your performance onto the instrument itself or save the performance data to a USB flash drive.

◆ Use playback of a recording for practicing or as accompaniment to perform along with.

Save and recall your favorite settings (Registration Memory)　　page 25

◆ Save up to 32 panel settings (such as Voices and Styles) to match the music that you wish to play.

◆ Saved Registration Memories can be recalled or switched with a single touch, even while playing, allowing you to continue your performance smoothly and uninterrupted.

What You Can Do (Advanced)

Use convenient features to enhance the expression of Indian music performance

◆ Reproduce the special ornamental playing of Indian music by raising and lowering the pitch smoothly via the portamento function.

◆ Use the panel sustain function to play smoothly with just the right amount of sustain.

◆ Use the volume control via the connected foot controller (sold separately) for crescendo/decrescendo control while the sound is sustained. (PSR-I610 only)

◆ Vibrato techniques for performing with instruments such as Bansuri, Sarangi, Esraj, Shehnai, Pungi, Nadaswaram, etc. can be reproduced by using the Modulation wheel. (PSR-I610 only)

Use various functions to alter the sound in authentic or dramatic ways

◆ Realistically reproduce playing techniques for particular instruments, such as tremolo technique of Santoor and guitar scratch noises. (Super Articulation Lite Voice)

◆ Expand your range of expression by adding effects to your keyboard performance, Style playback, or microphone input. (DSP1/DSP2)

◆ Apply effects, such as filter, pitch, or modulation, etc., for as long as the dedicated button is held down while playing. (Motion Effect)

◆ Use the two knobs to dynamically change the sound in real time.

◆ Produce louder and more powerful sound, even with the volume set to maximum. (Mega Boost)

◆ Select an EQ setting to optimize the sound of this instrument for your own personal preferences and optimum performance. Available types include "India," which emphasizes the unique characteristics of Indian instruments, as well as "Bright" and "Mellow," which change the level of high frequencies for a brighter or more mellow sound. (Master EQ)

Use a connected microphone

◆ Enjoy singing while performing, or use for talking between performances.

◆ Record (or sample) vocals and external live sounds.

Create original performance material

◆ Import external sounds via Quick Sampling function can add accents to your performance.

◆ Create original loop phrases by overdubbing onto your favorite phrases. (Looper function)

Connect a computer or smart device

◆ Play back song data on this instrument that is stored on your computer or smart device.

◆ Get even greater enjoyment from this instrument by easily recording or sharing audio and video of your performance or converting the MIDI songs into Style files via using the smart device apps.
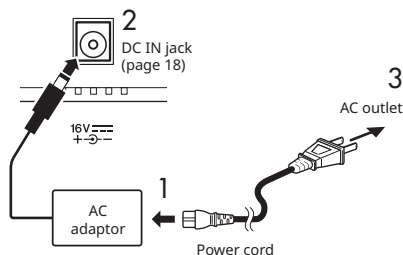
Setting Up

Power Requirements

This instrument can be powered by either the AC adaptor or batteries; however, Yamaha recommends using the AC adaptor whenever possible.

Using the AC Adaptor

Before using this instrument, be sure to read the "Power supply" section (page 5) under "PRECAUTIONS."
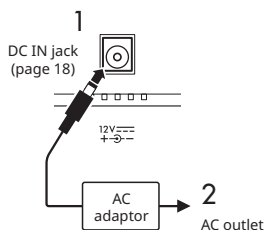
Connect the AC adaptor in the order shown in the illustration.

PSR-I610

The shape of the plug may differ depending on your area.

PSR-I510

To disconnect the AC adaptor, reverse the procedure.

⚠ **WARNING**
- *If the AC adaptor has a removable plug, be sure to keep the plug attached to the AC adaptor. Inserting only the plug into an AC outlet may cause electric shock or fire.*
- *If the plug comes off, be careful not to touch the inner metal parts, and fully insert the plug until it snaps into place. Also be careful that no dust or foreign matter gets between the AC adaptor and plug. Otherwise, electric shock, short circuit or damage may result. For details on inserting the plug, refer to the Reference Manual on the website (see page 9).*

Using Batteries

This instrument can use AA alkaline (LR6), manganese (R6) or Ni-MH rechargeable (HR6) batteries. Alkaline batteries or Ni-MH rechargeable batteries are recommended for this instrument since other types may not provide enough power in certain situations.

Before using this instrument, be sure to read the "Batteries" section (page 5) under "PRECAUTIONS."

1 Make sure that the instrument is turned off.

2 Open the battery compartment cover, located on the instrument's bottom panel.
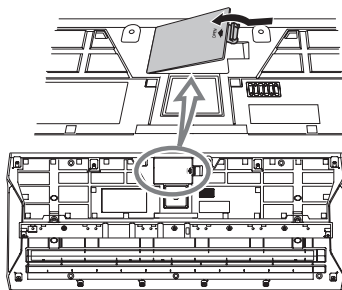
3 Insert six new batteries, making sure that they are correctly oriented, as illustrated.
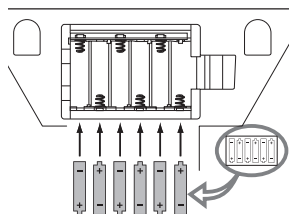
4 Reinstall the compartment cover, making sure that it locks firmly into place.

NOTICE
- *Do not connect or disconnect the DC plug of the AC adaptor with batteries installed and the instrument turned on. Otherwise, the instrument will be temporarily turned off, and any data being recorded or transferred will be lost.*

┌ NOTE ┐
- *Power will be automatically drawn from the AC adaptor if the AC adaptor is connected, even with batteries installed in the instrument.*

■ When Using Ni-MH Rechargeable Batteries

After inserting the batteries, change the battery type in the Function setting display (page 37, Functions 087(PSR-I610)/086(PSR-I510)).

Default setting: Alkaline (alkaline or manganese batteries)
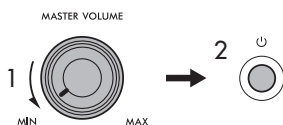
NOTICE
- *An incorrect battery type setting may shorten the battery life. Be sure to select the correct battery type.*

■ Remaining Battery Power Indicator

You can check it by an icon on the display.
⇨ *Reference Manual (see page 9)*

Turning the Instrument On/Off

1. Turn the **[MASTER VOLUME]** control fully to the left, to "MIN."

2. Press the **[⏻] (Standby/On)** switch to turn on the instrument.

3. While playing the keyboard, adjust the overall volume of the instrument by turning the **[MASTER VOLUME]** control.

4. To turn off the instrument, hold down the **[⏻] (Standby/On)** switch for about 1 second.

Auto Power Off Function

In order to prevent unnecessary power consumption, this instrument features an Auto Power Off function, which automatically turns off the instrument if it has not been operated for a specified period of time. By default, the amount of time until the instrument is automatically turned off is set to 15 minutes; however, you can change the setting (page 37, Functions 086(PSR-I610)/085(PSR-I510)).

■ Simple Method of Deactivating the Auto Power Off Function

While holding down the lowest key on the keyboard, turn on the instrument. This starts the instrument with the Auto Power Off function deactivated.

Left end of keyboard
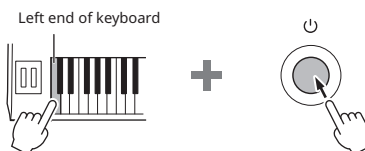
Installing the Music Rest

Insert the music rest into the slots as shown.
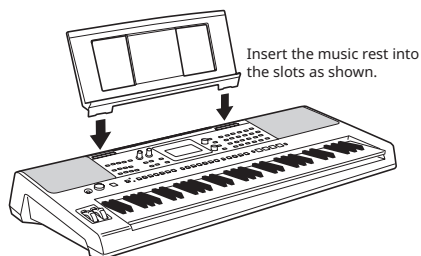
Panel Controls and Terminals

■ Top Panel

The illustrations and displays as shown in this manual are based on the PSR-I610.

Display (page 27)
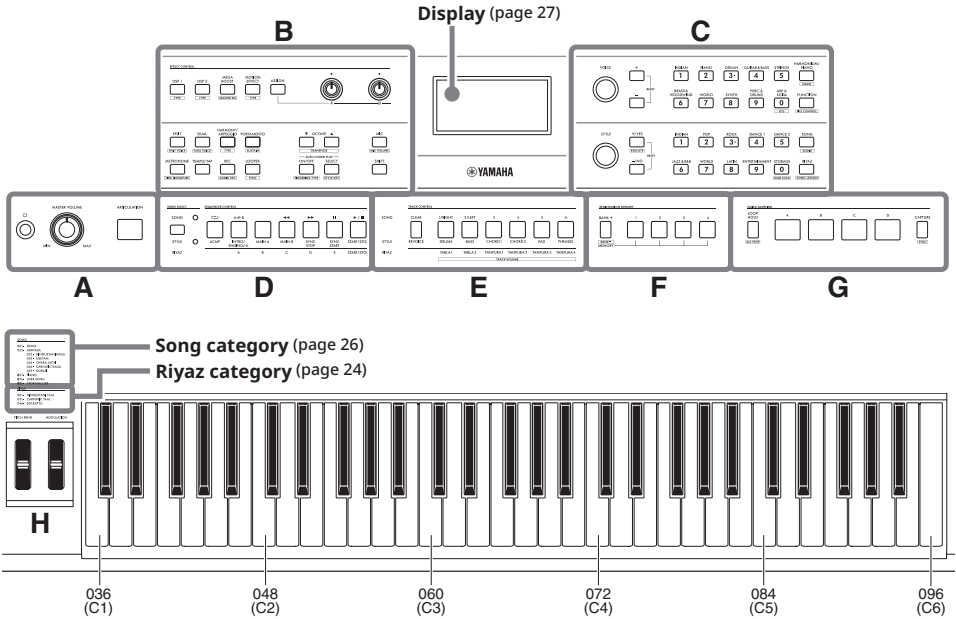

Song category (page 26)
Riyaz category (page 24)

| 036 (C1) | 048 (C2) | 060 (C3) | 072 (C4) | 084 (C5) | 096 (C6) |

As shown, each key of the keyboard has been assigned a specific note number (e.g., 036) and name (e.g., C1), which are used when specifying various Function settings.

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* ⊕ **: Refer to the Reference Manual on the Yamaha website (see page 9).**

About Button Names in ☐ (SHIFT Function)

While holding down the **[SHIFT]** button, press a button with a box-surrounded name in order to call up the corresponding Function setting display. For example, while holding down the **[SHIFT]** button, press the **[MIC]** button to call up the MIC VOLUME setting display.

SHIFT   +   MIC
MIC VOLUME
Hold down

A
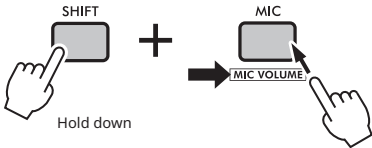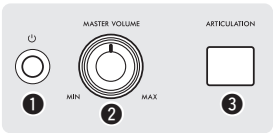
❶ **[⏻] (Standby/On) switch** .... **page 13**
Turns on the instrument or sets it to standby.

❷ **[MASTER VOLUME] control** .... **page 13**
Adjusts the overall volume.

❸ **[ARTICULATION] button** .... ⊕
Pressing this button while playing the keyboard reproduces the performance technique specific to the selected Voice.

B
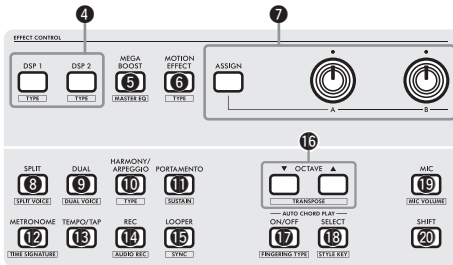
EFFECT CONTROL

④ **[DSP1]/[DSP2] buttons ....** ⊕
Turns the DSP1/DSP2 effects on or off.
TYPE : Calls up the effect type selection display.

⑤ **[MEGA BOOST] button ....** ⊕
Boosts the overall volume of the instrument for more powerful sound.
MASTER EQ : Calls up the Master EQ type selection display.

⑥ **[MOTION EFFECT] button..........................** ⊕
Holding down this button adds various dynamic effects to the sound in real time.
TYPE : Calls up the Motion Effect type selection display.

⑦ **[ASSIGN] button, [A]/[B] knobs.................** ⊕
Allows a function to be assigned to a knob for controlling the sound in real time.

OTHER CONTROLS (SUCH AS SOUND)

⑧ **[SPLIT] button ....page 21**
Divides the entire keyboard into two areas so that different Voices can be played with your right and left hands.
SPLIT VOICE : Calls up the Voice selection display for the left-hand part.

⑨ **[DUAL] button.......................................page 21**
Layers two different Voices.
DUAL VOICE : Calls up the selection display for the layered Voice.

⑩ **[HARMONY/ARPEGGIO] button ....** ⊕
Turns the Harmony or Arpeggio function on or off.
TYPE : Calls up the Harmony or Arpeggio type selection display.

⑪ **[PORTAMENTO] button..............................** ⊕
Turns the Portamento function on or off.
SUSTAIN : Turns Panel Sustain on or off.

⑫ **[METRONOME] button ....** ⊕
Turns the metronome on or off.
TIME SIGNATURE : Calls up the metronome time signature setting display.

⑬ **[TEMPO/TAP] button ....** ⊕
Calls up the Tempo setting display.

⑭ **[REC] button..page 29**
Records your performance onto the instrument in MIDI format.
AUDIO REC : Records the audio of your performance to a USB flash drive (page 30).

⑮ **[LOOPER] button.......................................** ⊕
Used for Looper recording and playback.
SYNC : Turns on sync for the Looper function in order to synchronize the playback start timing with the Style, Song, or Riyaz.

⑯ **OCTAVE [▼]/[▲] buttons........................** ⊕
Shifts the pitch of the Main Voice and Dual Voice up/down in increments of 1 octave.
TRANSPOSE : Transposes the overall pitch of the instrument in semitone increments.

⑰ **AUTO CHORD PLAY [ON/OFF] button ... page 22**
Turns the Auto Chord Play function on or off, for automatically playing chords.
FINGERING TYPE : Calls up the Fingering Type selection display for the chord playing method.

⑱ **AUTO CHORD PLAY [SELECT] button... page 22**
Calls up the selection display for the Auto Chord Play type.
STYLE KEY : Calls up the selection display for the Style Key (key of the Song to be performed). The Style Key is used with the Auto Chord Play function or when the Fingering Type is set to "Smart Chord."

⑲ **[MIC] button..** ⊕
Switches the microphone type (VOCAL/TALK/MUTE).
MIC VOLUME : Calls up the Mic volume setting display.

⑳ **[SHIFT] button ....page 14**
Holding down this button lets you call up alternate functions for corresponding panel buttons (that have assigned alternate functions).
Pressing only this button returns to the home display (page 27) from any other Function setting display.

C
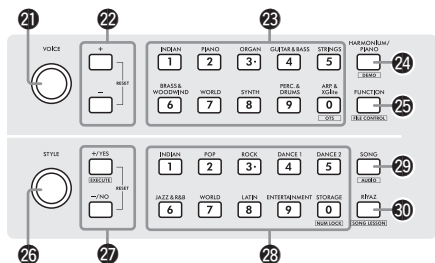
UPPER CONTROLS

㉑ **[VOICE] dial .... pages 20, 21**
Selects the Voice or other parameter in the first line of the Home display (page 19).

㉒ **[+]/[−] buttons ....page 20**
Selects the Voice or other parameter in the first line of the Home display (page 19).
To restore the default setting, press the two buttons simultaneously.

㉓ **VOICE category buttons......................page 20**
Selects a Voice category. Enters the corresponding number when NUM LOCK ㉘ is on.

OTS : Selects the optimum panel settings and Voice for the currently selected Style.

㉔ **[HARMONIUM/PIANO] button ....** 🌐
Switches the Main Voice between Harmonium and Grand Piano.

DEMO : Plays back Demo Songs repeatedly.

㉕ **[FUNCTION] button ....page 33**
Calls up the Function setting display.

FILE CONTROL : Calls up the File Control display (USB flash drive operations) (page 32).

LOWER CONTROLS

㉖ **[STYLE] dial................................... pages 20, 22**
Selects the Style or other parameter in the second line of the Home display (page 19).

㉗ **[+/YES]/[−/NO] buttons ....page 20**
Selects the Style or other parameter in the second line of the Home display (page 19).
To restore the default setting, press the two buttons simultaneously.

EXECUTE : Performs the File Control operation (page 32).

㉘ **STYLE category buttons ....page 20**
Selects a Style category. Enters the corresponding number when NUM LOCK is on.

NUM LOCK : Turns NUM LOCK on or off (for entering numbers using the category buttons).

㉙ **[SONG] button ....page 26**
Calls up the display for selecting a desired Song for playback.

AUDIO : Calls up the display for selecting an audio file on the USB flash drive.

㉚ **[RIYAZ] button ....page 24**
Calls up the display for selecting a desired Riyaz for playback.

SONG LESSON : Calls up the Song Lesson display.

D
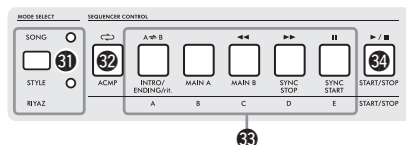
MODE SELECT

㉛ **MODE SELECT button ....page 27**
Switches between Song mode, Style mode, and Riyaz mode.

SEQUENCER CONTROL

㉜ **[⟲]/[ACMP] buttons**
Song mode: Turns repeat playback of a User Song (page 29) on or off, as well as the Repeat & Learn function for Song Lesson............. 🌐
Style mode: Turns the Auto Accompaniment function (ACMP) on or off. ....page 23

㉝ **Playback control buttons......................** 🌐
Controls playback of the Song, Style, or Riyaz.

㉞ **[► / ■]/[START/STOP] buttons**
... pages 22, 24, 27
Starts/stops playback of the Song, Style, or Riyaz.

E
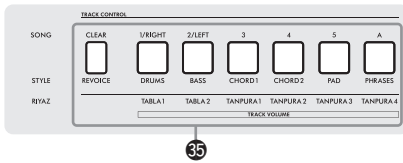
TRACK CONTROL

㉟ TRACK CONTROL buttons.......................... 🌐
Turns on/off the corresponding track of the Song, Style, or Riyaz during playback.
Also removes (CLEAR) individual tracks of a recorded Song, and changes (REVOICE) the Voice of the corresponding track of a Style.
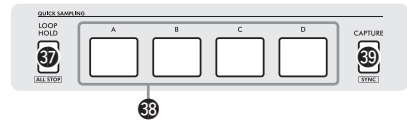TRACK VOLUME : Calls up the display for setting the volume of each track.

F
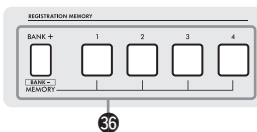
REGISTRATION MEMORY

㊱ REGISTRATION MEMORY buttons ....page 25
Saves or recalls panel settings
(see box at the bottom right).

G

QUICK SAMPLING

㊲ [LOOP HOLD] button................................... 🌐
Repeatedly plays back the corresponding sample when one of pads [A] to [D] is pressed while this button is held down.
ALL STOP : Stops playback of all samples.

㊳ Pads [A] to [D] .... 🌐
Plays back the sample assigned to the pad.
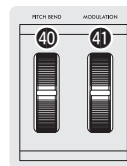
㊴ [CAPTURE] button...................................... 🌐
Enters the Quick Sampling mode.
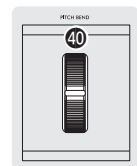SYNC : Turns on sync for sample playback in order to synchronize sample playback with the Style or Song.

H

<table>
<tr><td>PSR-I610</td><td>PSR-I510</td></tr>
</table>

㊵ [PITCH BEND] wheel .... 🌐
Rotating this wheel upward or downward bends up or down the pitch of the sound played on the keyboard.

㊶ [MODULATION] wheel (PSR-I610 only)**.......** 🌐
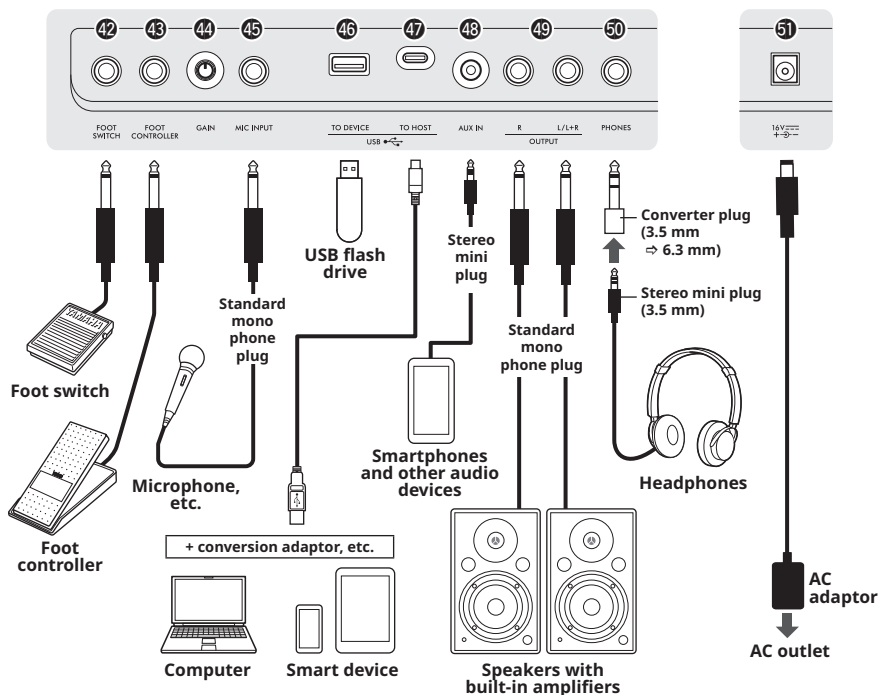Applies vibrato effects, etc.

Panel Settings

The panel controls can be used to make the various settings described here. These instrument settings are collectively referred to as "panel settings" in this manual.

■ Rear Panel

Connection Options

The specific cables necessary depend on the device being connected.
The following illustration is of the PSR-I610.

㊷ **[FOOT SWITCH] jack....................................** ⊕
For connecting a foot switch.

㊸ **[FOOT CONTROLLER] jack**
(PSR-I610 only)**...** ⊕
For connecting a foot controller.

㊹ **[GAIN] knob...** ⊕
For adjusting the input level of the connected microphone.

㊺ **[MIC INPUT] jack ....** ⊕
For connecting a microphone.

㊻ **[USB TO DEVICE] terminal (USB Type-A)..** ⊕
For connecting a USB flash drive.

㊼ **[USB TO HOST] terminal (USB Type-C™)**
... ⊕
For connecting a computer or a smart device.
NOTICE
 • *The USB cable must be Type A-C or C-C and less than 3 meters long.*

㊽ **[AUX IN] jack..** ⊕
For connecting an audio player.

㊾ **OUTPUT [L/L+R], [R] jacks ....** ⊕
For connecting powered speakers.

㊿ **[PHONES] jack ....** ⊕
For connecting headphones.

51 **DC IN jack...page 12**
For connecting the AC adaptor.

Basic Operations

Selecting the Desired Mode—Style/Riyaz/Song

This instrument features three different modes: Style, Riyaz, and Song. Select the desired mode and enjoy playing this instrument.

- **Style mode:** Enables the Auto Accompaniment function which automatically adds accompaniment (rhythm + bass + chords) that matches the chords you play.
- **Riyaz mode:** Enables looped playback of phrase patterns using authentic Tabla/Mridangam and Tanpura sounds.
- **Song mode:** Enables playback of the preset Songs or Song Lesson, and allows recording of your performance.

Each time you press the **MODE SELECT** button, it switches between Style, Riyaz, and Song mode.
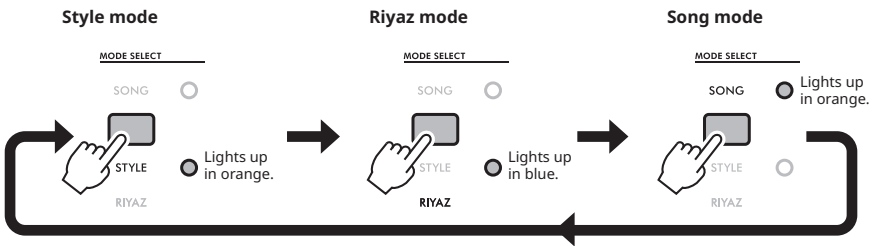
Home Display

This is shown when the instrument is turned on.
In the upper half of the display, the Voice name (VOICE) is shown in the first line while the Style name (STYLE) is shown in the second line. The left part of the second line shows the current mode (described above), Style or Song or Riyaz.

Returning to the Home Display

To return to the home display from the Function setting display (page 33) or Tempo setting display, press the **[SHIFT]** button.

Example
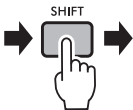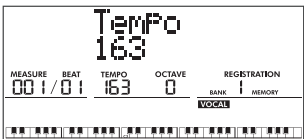
Selecting Items/Specifying Values

The Voice, Style, Song, and Riyaz, as well as Tempo settings, Function settings, etc., can all be specified in similar ways.
For lists of Voices, Styles, Songs, and Riyaz, refer to the Data List on the website (see page 9).
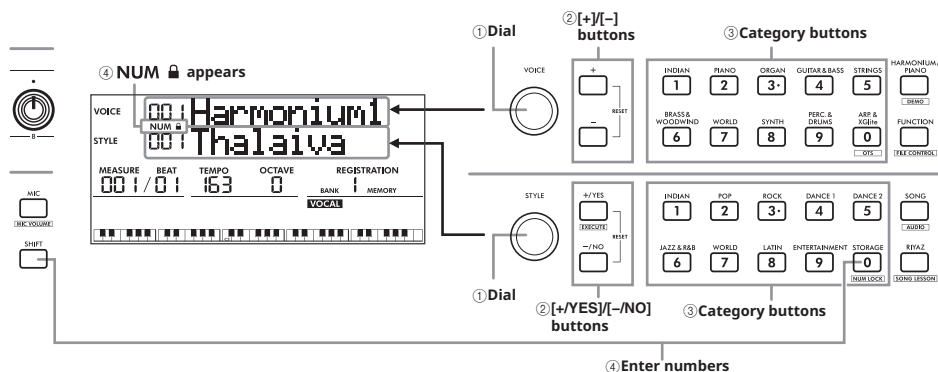
The following four methods are available for selecting items or specifying values.

① **Selecting with dials**

② **Selecting with the [+]/[−] buttons or [+/YES]/[−/NO] buttons**

③ **Selecting with the category buttons (Voice and Style only)**
Each press of the category button switches to the next item within the category.

④ **Selecting by entering numbers**
If the **[STORAGE]** button is pressed while the **[SHIFT]** button is being held down, **NUM 🔒** appears in the display, and the category buttons **[1]** to **[0]** can be used to enter numbers.

> **NOTE**
> • *With settings other than for Voice, Style, Song, or Riyaz, the category buttons can be used to enter numbers.*

Restoring an Edited Item to the Default Settings

To restore the default settings, simultaneously press the **[+]/[−]** buttons or the **[+/YES]/[−/NO]** buttons. The Voice or Style, for example, is restored to the 001 setting.

Playing a Variety of Voices (Instrument Sounds)

You can choose from a variety of Voices other than Piano. Not only can you play just a single Voice (Main Voice), but you can also layer on a different Voice (Dual Voice), or divide the keyboard in half and play different Voices with your left and right hands (Split Voice).

Selecting a Main Voice

1 **Rotate the [VOICE] dial to select the desired Voice (page 20).**

Voice Types

PSR-I610	PSR-I510	
001 | 398	001 | 358	Instrument sounds.
399 | 429	359 | 389	Various drum/percussion or SFX sounds assigned to individual keys.
430 | 469	390 | 429	Used for arpeggio performances. When one of these is selected, the Arpeggio function is automatically turned on.
470 | 927	430 | 887	XGlite Voices, which are simplified (light) versions of Yamaha's high-quality sound source format, "XG."
000	000	**One-Touch Setting (OTS)** Automatically selects the optimum Voice and panel settings (page 17) for the currently selected Style (page 22).

NOTE

- *For a list of Voice numbers and names, refer to the Data List on the website (see page 9).*

2 **Play the keyboard.**

Adding a Layer - Dual Voice

1 **Press the [DUAL] button to turn on the Dual function.**
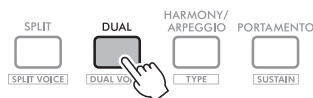
2 **Play the keyboard.**
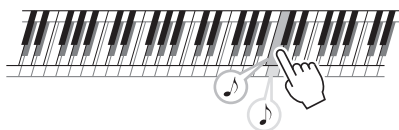
Two Voices are played at the same time.

3 **To turn off the Dual function, press the [DUAL] button again.**

Changing the Dual Voice

While holding down the **[SHIFT]** button, press the **[DUAL]** button to call up a display where the Dual Voice can be changed.

Playing Different Voices With the Left and Right Hands (Split Voice)

The entire keyboard can be divided into two areas so that different Voices can be played with your right and left hands.

Split Point...Default setting: 054 (F#2)

| 036 (C1) | 048 (C2) | 060 (C3) | 072 (C4) | 084 (C5) | 096 (C6) |

Left-hand area
Plays the Split Voice

Right-hand area
Plays the Main Voice and Dual Voice
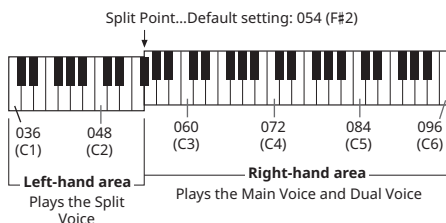
The division between the left-hand area and right-hand area is called the "Split Point." The key at the Split Point belongs to the left-hand area.

1 **Press the [SPLIT] button to turn on the Split function.**

The keyboard is divided into left- and right-hand areas.

2 **Play the keyboard.**

3 **To turn off the Split function, press the [SPLIT] button again.**

Changing the Split Voice

While holding down the **[SHIFT]** button, press the **[SPLIT]** button to call up a display where the Split Voice can be changed.

Changing the Split Point

While holding down the **[SPLIT]** button, press the desired key for the Split Point.

Playing with Rhythm and Auto Accompaniment (Styles)

The Auto Accompaniment function (Style) automatically adds accompaniment (rhythm + bass + chords) that matches the chords you play. Let's get started playing a Style using Auto Chord Play. Next, try playing the chords yourself.

Specifying the Chords Automatically (Auto Chord Play)

The Auto Chord Play function enables you to hear and experience chord progressions without needing to specify the chords yourself. The chord names appear in the display so that you can memorize the chord progression or play the melody with your right hand along with the accompaniment.

1 **Press the MODE SELECT button to select the Style mode.**

Lights up in orange.
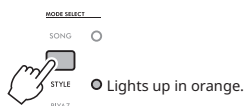
2 **Press the AUTO CHORD PLAY [ON/OFF] button to turn on ⎣AUTO⎦ .**

⎣AUTO⎦ appears

3 **Rotate the [STYLE] dial to select the desired Style (page 20).**

4 **Select the appropriate Auto Chord Play type for your desired chord progression.**

Press the **AUTO CHORD PLAY [SELECT]** button to call up the Function setting display (page 34, Function 034), and then rotate the **[STYLE]** dial to select the desired type.
For details on the Auto Chord Play types, refer to the Data List (see page 9).
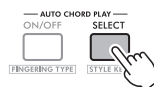
Auto Chord Play type
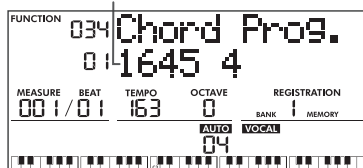
5 **Press the [START/STOP] button.**

The chord progression is automatically played together with an appropriate accompaniment for the chord.
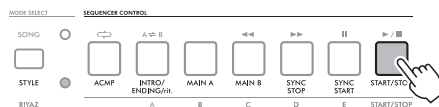
6 **Press the [START/STOP] button to stop playing the Style.**

7 **To stop Auto Chord Play, press the AUTO CHORD PLAY [ON/OFF] button. ⎣AUTO⎦ disappears.**

Editing the Auto Chord Play Chords

If the preset Auto Chord Play type doesn't seem appropriate for the selected song, you can edit the chords of Auto Chord Play to better match the song.
⇨ *Reference Manual (see page 9)*

Specifying the Chords Yourself

1 **Press the MODE SELECT button to select the Style mode.**

MODE SELECT

SONG ○

STYLE ● Lights up in orange.

RIYAZ
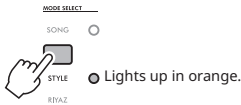
2 **Press the SEQUENCER CONTROL [ACMP] button.**

The **[ACMP]** button lights up.
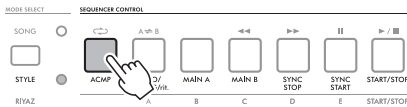
The area of the keyboard to the left of the Split Point becomes the "Auto Accompaniment area" and only recognizes chords.

Split Point...Default setting: 054 (F♯2)

Auto Accompaniment area
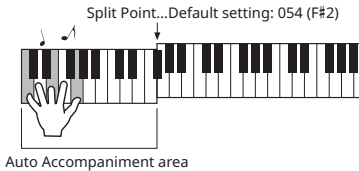
3 **Press the [START/STOP] button.**

Only the rhythm part starts playing.
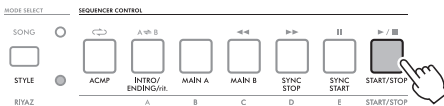
4 **Try playing a chord in the Auto Accompaniment area of the keyboard.**

The bass and chords can be heard together with the rhythm part. Try playing different chords with your left hand and a melody with your right hand.
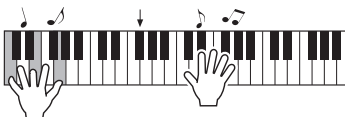
5 **Press the [START/STOP] button to stop playing the Style.**

Using Style Playback Variations

A Style consists of the following sections (accompaniment patterns): Intro, Main A/B, Auto Fill, and Ending. By arranging these sections, you can alter the performance or add an intro or ending.

⇨ *Reference Manual (see page 9)*

Changing How Chords Are Played

You can change how chords are played (Fingering Type): pressing the keys of all notes of the chord (Multi Finger) or pressing one key to specify the chord (Smart Chord).

⇨ *Reference Manual (see page 9)*

Playing with Riyaz

This instrument provides some phrase patterns (consisting of several measures) using authentic Tabla/Mridangam and Tanpura sounds with looped playback. In the Riyaz mode, try playing conventional Indian music—changing keys or creating dynamic sound variations by rotating the knobs.

1 Press the MODE SELECT button to select the Riyaz mode.

Lights up in blue.

2 Rotate the [STYLE] dial to select the desired Riyaz pattern.

For the Riyaz List, see the front panel or the Data List on the website (see page 9).

VOICE 001 Harmonium1
RIYAZ 001 TeenTaal

3 Press the [START/STOP] button to start looped playback.

At first, only the Tabla sound plays back. During playback, enjoy creating dynamic sound variations via the following operations.

VOICE 001 Harmonium1
RIYAZ 001 TeenTaal

MEASURE 001/06 BEAT TEMPO 055 OCTAVE 0 REGISTRATION BANK 1 MEMORY VOCAL
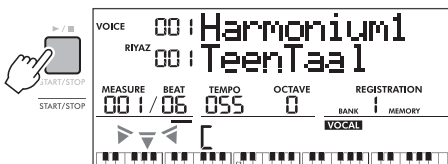
Turning on/off Tabla track 1 and/or track 2
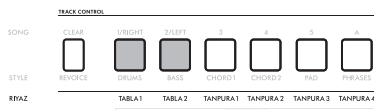
Tabla 1 features the lower pitched part while Tabla 2 features the higher pitched part.

Adding a Tanpura phrase
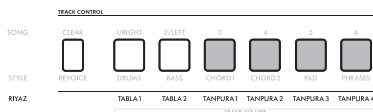
The current Tanpura button is lit.

Because only one Tanpura track can be turned on at a time, select and press one of the desired **[TANPURA1]–[TANPURA4]** buttons to add the Tanpura phrase. To turn off the Tanpura phrase, press the Tanpura button of the current number.

Changing the Tabla Variation via the [A]–[E] buttons
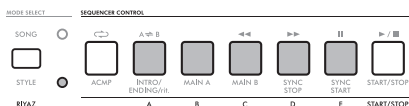
Press the **[A]–[E]** buttons to change the variation of the Tabla.

Using the Knobs

For details about using the Knobs, refer to the Reference Manual on the website (see page 9).

Knob [A]: Adjusts the tempo of Riyaz playback within the range of 11–280. Note that the tempo of Tanpura patterns cannot be changed by Knob **[A]**.
Knob [B]: Shifts pitches of the Tabla sounds in half steps. In general, turning left shifts the pitches down while turning right shifts the pitches up (depending on the transpose setting, etc.). This is applied only to the pitched Tabla sounds. Note that this function does not affect Tanpura phrases.

4 Press the [START/STOP] button to stop playback.

Saving/Recalling Your Favorite Settings (Registration Memory)

The Registration Memory function allows you to save (or "register") panel settings (such as Voices and Styles) to REGISTRATION MEMORY buttons, then instantly recall custom panel settings with the press of a button. Each of the eight Banks can comprise settings saved to the four REGISTRATION MEMORY buttons.

8 Banks

| Memory 1 | Memory 2 | Memory 3 | Memory 4 |

Up to 32 sets of settings (eight banks of four each) can be saved.

NOTE
- A newly purchased instrument comes with sample settings saved in Banks 1 to 8.

Saving Panel Settings to Registration Memory

1 **Specify the desired settings, such as Voices, Styles, and Riyaz patterns.**

2 **Press the [BANK+] button until the Bank number (1 to 8) indicated in the display for the desired settings is selected.**

Bank number
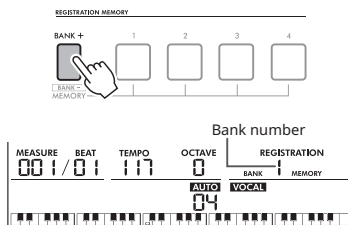
3 **While holding down the [BANK+] button, press one of the buttons [1] to [4].**

Hold down
Registration Memory number
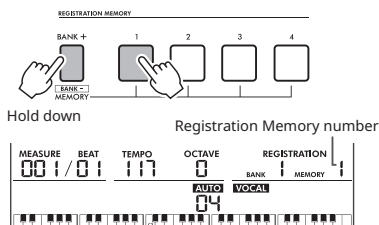
The Registration Memory number in the display flashes. When the settings have been saved, the Registration Memory number in the display stops flashing.

NOTICE
- When data is saved to Registration Memory, the existing data is deleted and overwritten by the new data. In order to prevent data from being accidentally deleted, we recommend making a note of what is saved where.

* **Parameters with settings that can be saved to Registration Memory**
  ⇨ *Reference Manual (see page 9)*

Recalling Settings Saved to Registration Memory

First, determine the bank number and Registration Memory number for the settings that you wish to recall.

1 **Press the [BANK+] button until the Bank number (1 to 8) for the settings that you wish to recall is selected.**

Bank number
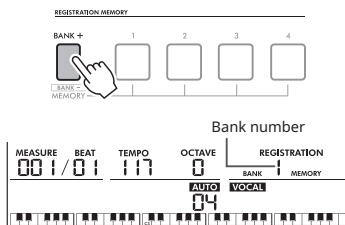
2 **Press the REGISTRATION MEMORY button ([1] to [4]) for the settings that you wish to recall.**

Review the settings in the display.

Registration Memory number
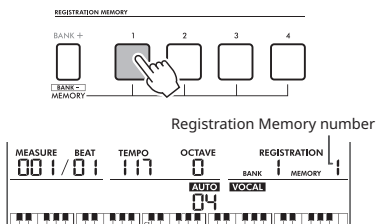
Song (MIDI)/Audio Playback and Song Lesson

With this instrument, you can play back Songs (MIDI data) and audio files. In addition to simply listening to playback, you can play the keyboard along with the Song or audio file playback or practice Songs using the Song Lesson features.

Playing Songs (MIDI Data)

"Song" refers to all MIDI Data that can be played back on this instrument, including recorded User Songs and commercially available song data. This instrument can play the following Songs.

The Songs (MIDI data) are categorized according to their characteristics.

Song Number			Song Category
PSR-I610	PSR-I510		
001–021	001–021	DEMO	These demonstration songs showcase the various sounds of the instrument, and give you an idea of the advanced capabilities of this instrument.

022–056	022–046	ABHYASA	**HINDUSTANI RAGA (PSR-I610: 022–041, PSR-I510: 022–35):**
			  Practice Songs for studying the traditional raga of Hindustani music.
			
			GEETAM (PSR-I610: 042–043, PSR-I510: 036–37):
			  These Songs tell you basic melody and rhythm of Carnatic music.
			
			SWARA JATHI (PSR-I610 only: 044–045):
			  Learn more complex patterns of swaras and rhythmic structures of Carnatic music with these Songs.
			
			CARNATIC RAGA (PSR-I610: 046–054, PSR-I510: 038–46):
			  Practice Songs for studying the traditional raga of Carnatic music.
			
			KORVAI (PSR-I610 only: 055–056):
			  Hear and learn how to develop rhythm patterns in Mridangam performance.

057–075	047–065	PIANO	These include famous pieces from around the world along with well-known piano pieces.
076–085	066–075	USER SONG	Songs you have recorded yourself.
086–	076–	STORAGE/USB	Songs transferred from a computer or Songs in the USB flash drive. For details on transferring songs from a computer to this instrument, refer to the Reference Manual (see page 9).

> NOTE
> - For STORAGE/USB category Songs, numbers are assigned in the following order: Songs transferred from a computer, Songs contained on a USB flash drive. A Song transferred to this instrument from a computer is inserted in front of the first USB Song, renumbering the USB Songs accordingly.
> - Songs that are larger than 250 KB cannot be played back.

1 Press the **MODE SELECT** button to select the Song mode.

MODE SELECT

SONG ● Lights up

STYLE ○

R|YAZ

2 Rotate the **[STYLE]** dial to select the Song that you wish to play back.

STYLE

VOICE 001 Harmonium1
SONG 001 Demo1

MEASURE BEAT TEMPO OCTAVE REGISTRATION
001/01 96 0 BANK 1 MEMORY
VOCAL

Song number   Song name
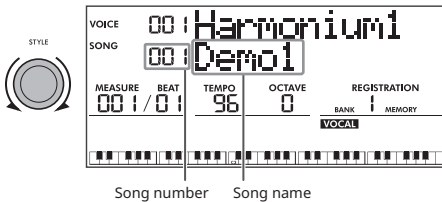
3 Press the **[▶/■]** button to play back the Song.

▶/■

START/STOP
START/STOP

4 To stop playback, press the **[▶/■]** button again.

- <u>Adjusting the Song volume</u>
- <u>Changing the Song tempo</u>
- <u>Muting each Song track</u>
- <u>Playing back a User Song repeatedly</u>

⇨ *Reference Manual (see page 9)*

Playing Back an Audio File from a USB Flash Drive

NOTICE
- *Before using a USB flash drive, be sure to read "Precautions for Using the [USB TO DEVICE] Terminal" (page 31).*
- *Do not disconnect the USB flash drive or turn off the instrument during playback of an audio file. Otherwise, the data may be damaged.*

1 Connect a USB flash drive to the **[USB TO DEVICE]** terminal.

2 While holding down the **[SHIFT]** button, press the **[SONG]** button to turn on ⏻AUDIO⏻.

SHIFT   +   SONG
AUDIO

VOICE 001 Harmonium1
001 AUDIO001

AUDIO
MEASURE BEAT TEMPO OCTAVE REGISTRATION
001/01 126 0 BANK 1 MEMORY
VOCAL
USB

AUDIO appears   Audio file name

3 Rotate the **[STYLE]** dial to select the desired audio file for playback.

4 Press the **[▶/■]** button to start playback of the audio file.

During playback, "PLY" and the amount of elapsed time are shown in the display.

VOICE 001 Harmonium1
AUDIO PLY 00:02

MEASURE BEAT TEMPO OCTAVE REGISTRATION
001/01 126 0 BANK 1 MEMORY

Elapsed time

5 To stop playback, press the **[▶/■]** button again.

- <u>Messages that appear in the display during playback of audio files</u>

⇨ *Reference Manual (see page 9)*

Using the Song Lesson Feature—Three-Step Lesson

Use these convenient features to practice the preset Songs and improve your playing skills.

1 **Press the MODE SELECT button to select the Song mode.**

MODE SELECT

SONG ◉ Lights up

STYLE ○

RIYAZ

2 **Select the desired Song (page 27).**

3 **Press either or both the [1/RIGHT] and [2/LEFT] buttons to select the desired part(s) for practicing.**

TRACK CONTROL

CLEAR   1/RIGHT   2/LEFT

REVOICE   DRUMS   BASS

TABLA 1   TABLA 2
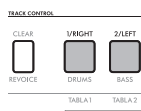
4 **While holding down the [SHIFT] button, press the [RIYAZ] button to start playback of the Song Lesson.**

SHIFT   +   RIYAZ

SONG LESSON

While holding down the **[SHIFT]** button, pressing the **[RIYAZ]** button repeatedly will switch among the Lesson numbers, 1: Listening, 2: Timing, 3: Waiting, off, and then back again.

- **Lesson 1 (Listening)**
  Listen to the playback part you will play. Remember it as best as you can.

- **Lesson 2 (Timing)**
  Learn to play the notes with the correct timing. Even if you play wrong notes but with the correct timing, the appropriate notes will sound.

- **Lesson 3 (Waiting)**
  Learn to play the correct notes. The Song pauses until you play the right note.

The selected part and Lesson number appears on the display.

Lesson
LR2 Timing

MEASURE   BEAT   TEMPO   OCTAVE   REGISTRATION
003 / 03   116   0   BANK 1 MEMORY

Example

Part   Lesson number
LR: Both-hands lesson   1: Listening
R: Right-hand lesson   2: Timing
L: Left-hand lesson   3: Waiting

LR2

When Lesson playback reaches the end, the evaluation grade appears on the display.

Excellent!

VeryGood!

Good

OK

5 **To stop the Lesson, simultaneously hold down the [SHIFT] button and press the [RIYAZ] button again.**

- **Making Practice Perfect— Repeat & Learn**
  ⇨ *Reference Manual (see page 9)*

Recording Your Performance

Recording Methods on this Instrument

This instrument can record your performances in two different ways.

Song Recording (MIDI Recording)

You can record your performance as MIDI data to the internal memory. This instrument allows you to record and erase each track (part) separately, making editing easy. Songs recorded using this method are called "User Songs."

Audio Recording (page 30)

You can save your performance as an audio file in the WAV format to a USB flash drive. This recorded audio file can also be played back on computers and smart devices.

Recording a New User Song (MIDI Recording)

This section explains how to record a new Song to the internal memory without specifying a track.

1   **Press the MODE SELECT button to select the Song mode.**

MODE SELECT

SONG ● Lights up

STYLE ○

RIYAZ

2   **Rotate the [STYLE] dial to select the User Song number (PSR-I610: 076–085; PSR-I510: 066–075) for saving the new Song.**

> **NOTICE**
> • *If data has already been saved to the selected User Song number, the corresponding TRACK CONTROL button lights up. Continuing to record will delete the existing data and overwrite it with the new data.*

TRACK CONTROL

SONG	CLEAR	1/RIGHT	2/LEFT	3	4	5	A
STYLE	REVOICE	DRUMS	BASS	CHORD1	CHORD2	PAD	PHRASES
RIYAZ		TABLA 1	TABLA 2	TANPURA 1	TANPURA 2	TANPURA 3	TANPURA 4

TRACK VOLUME
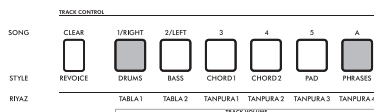
3   **Select a mode according to the content you wish to record.**
   - **When recording only a melody performance:** Song mode
   - **When recording a performance using a Style:** Style mode

MODE SELECT

SONG ○

STYLE ○ Switch modes

RIYAZ
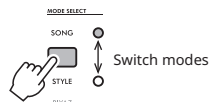
> **NOTE**
> • *In Style mode, the TRACK CONTROL button corresponding to the currently selected Style data lights up.*

4   **Specify the desired panel settings, such as the Main Voice (page 21).**

5   **Press the [REC] button to enter Record Standby mode.**

METRONOME   TEMPO/TAP   REC   LOOPER

TIME SIGNATURE   AUDIO R.   SYNC

To exit Record Standby mode, press the **[REC]** button again.

6   **Play the keyboard or press the [▶/■] button to start recording.**

7   **Press the [▶/■] or [REC] button to stop recording.**

When recording has been stopped, "Writing!" appears in the display and the data is saved.

> **NOTICE**
> • *Never turn off the instrument or unplug the AC adaptor while "Writing!" is shown. Otherwise, data may be lost.*

8   **Press the [▶/■] button to play back the recorded performance (page 27).**

- **Limitations when recording**
- **Recording/Erasing each track (part) separately**
- **Specifying the number of measures to record**
- **Deleting a User Song**
- **Saving a User Song as a MIDI file on a USB flash drive**

⇨ *Reference Manual (see page 9)*

Recording (Saving) an Audio File to a USB Flash Drive

NOTICE

- *Before using a USB flash drive, be sure to read "Precautions for Using the [USB TO DEVICE] Terminal" (page 31).*

NOTE

- *When using the audio recording function, be sure to use the AC adaptor. The audio recording function is not available when using batteries.*

1 **Connect a USB flash drive to the [USB TO DEVICE] terminal.**

2 **Press the MODE SELECT button to select one of the modes: Song, Style, or Riyaz.**

Switch modes
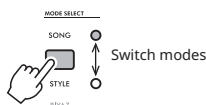
To record your performance using a Style, select the Style mode.

3 **Specify the desired settings for the performance that you wish to record.**

Depending on the mode selected in step 2, the data that can be recorded is limited to the following.

- **With Song mode**
  Keyboard performance, audio input from the [MIC INPUT]/[AUX IN]/[USB TO HOST] connectors
- **With Style/Riyaz mode**
  Style/Riyaz, Keyboard performance, audio input from the [MIC INPUT]/[AUX IN]/ [USB TO HOST] connectors

4 **While holding down the [SHIFT] button, press the [REC] button to enter Record Standby mode for audio recording.**

AUDIO appears on the left of the display.

To exit Record Standby mode, while holding down the **[SHIFT]** button, press the **[REC]** button.

5 **Press the [REC] button to start recording.**

The amount of elapsed time is shown in the display while recording.

The maximum recording time is 80 minutes or until the USB flash drive is full, whichever is shorter.

When recording a Style/Riyaz, press the **[▶/■]** button to start/stop the Style/Riyaz.

NOTICE

- *Do not disconnect the USB flash drive or turn off the instrument while recording. Otherwise, the data may be damaged.*

NOTE

- *For details on the messages that appear in the display during recording, refer to the Reference Manual on the website (see page 9).*

6 **Press the [REC] button to stop recording.**

"Writing!" appears in the display and the data is saved. The name of the recorded audio file will appear as "AUDIO***" (where "***" is a number).

NOTICE

- *Never turn off the instrument or unplug the AC adaptor while "Writing!" is shown. Otherwise, data may be lost.*

7 **Press the [▶/■] button to play back the recorded performance (page 27).**

Connecting a USB Flash Drive

By connecting a USB flash drive (sold separately) to the **[USB TO DEVICE]** terminal, you can save data created on the instrument, such as User Songs and parameter settings. The saved data can be recalled to the instrument for future use.

NOTICE
- *When performing USB flash drive operations, be sure to use the AC adaptor. Battery power may not last through these crucial operations. When using certain functions, "Use Adapter" may appear, and the selected function cannot be used unless the AC adaptor is connected.*

NOTE
- *To play back data stored on a USB flash drive, refer to "Song (MIDI)/Audio Playback and Song Lesson" (pages 26, 27).*

Precautions for Using the [USB TO DEVICE] Terminal

This instrument features a built-in **[USB TO DEVICE]** terminal. When connecting a USB device to the **[USB TO DEVICE]** terminal, be sure to observe the following.

NOTE
- *For more information about the handling of USB devices, refer to the owner's manual of the USB device.*

■ Compatible USB Devices

- **USB flash drives**

Other USB devices such as a USB hub, computer keyboard or mouse cannot be used. Compatible USB devices are listed under "Documents & Data" on the following website. Be sure to check this website before purchasing devices.

https://manual.yamaha.com/mi/rt/psr-i610/downloads/

Although USB 1.1 to 3.0 devices can be used with this instrument, the time required to save data to or load data from the device will vary depending on the type of data and the state of this instrument.

NOTICE
- *The [USB TO DEVICE] terminal is rated for maximum 5 V/500 mA. Do not connect a USB device that exceeds this rating, otherwise this instrument may become damaged.*

■ Connecting a USB Device

Insert a plug that matches the shape of the **[USB TO DEVICE]** terminal, paying careful attention to its orientation.

TO DEVICE   TO HOST
USB

NOTICE
- *Avoid connecting or disconnecting a USB device during playback, recording and file management operations (such as saving, copying, deleting, and formatting), and when accessing the USB device. Otherwise, this instrument may stop functioning or the USB device and the data may become damaged.*
- *Wait a few seconds between connecting and disconnecting a USB device (in either order).*
- *Do not use a cable to connect a USB flash drive.*

File Operations for a USB Flash Drive

NOTICE
- *Before using a USB flash drive, be sure to read "Precautions for Using the [USB TO DEVICE] Terminal" on page 31.*

1 **Connect a USB flash drive to the [USB TO DEVICE] terminal, and make sure that 🔲 appears (lit continuously) in the lower right of the display.**
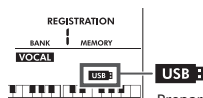
Preparing to connect (flashing)
⇨ Connection complete (lit continuously)

2 **While holding down the [SHIFT] button, press the [FUNCTION] button to call up the File Control display.**

While holding down
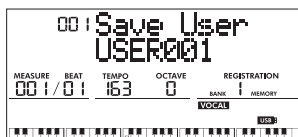
3 **Rotate the [VOICE] dial to select an operation.**

If necessary, rotate the **[STYLE]** dial to select the data.

List of File Control Operations

Number	Display	File Control function
001	Save User	Saving User data (User file) to a USB flash drive
002	Load User	Loading User data (User file) from a USB flash drive
003	Delete User	Deleting User data (User file) in a USB flash drive
004	Load Style	Loading a Style file from a USB flash drive
005	Save SMF	Saving an SMF file to a USB flash drive
006	Delete SMF	Deleting an SMF file in a USB flash drive
007	Delete Audio	Deleting an audio file in a USB flash drive
008	Save Looper	Saving Looper data to a USB flash drive
009	Load Looper	Loading Looper data from a USB flash drive
010	DeleteLooper	Deleting Looper data in a USB flash drive
011	Save Smpl	Saving a sample to a USB flash drive
012	Load Smpl	Loading a sample from a USB flash drive
013	Delete Smpl	Deleting a sample in a USB flash drive
014	Import WAV	Importing a WAV file from a USB flash drive as a sample
015	Format	Formatting a USB flash drive

NOTE
- *For details on the file control operations, refer to the Reference Manual on the website (see page 9).*

4 **While holding down the [SHIFT] button, press the [+/YES] button (EXECUTE) to perform the operation.**

Depending on the selected operation, it may be necessary to hold down the **[SHIFT]** button and press the **[+/YES]** button again to perform the operation.

5 **If the confirmation message "Save OK?" or "Load OK?" appears, press the [+/YES] button.**

To cancel the operation, press the **[–/NO]** button.

6 **To exit the File Control display, press the [SHIFT] button.**

Function Settings

The Function settings provide access to a range of detailed instrument parameters such as Tuning, Split Point, Voices, and Effects. Find the desired item in the Function List (pages 33–37), and then follow the instructions below.

Basic Procedure for the Function Settings

1 **Press the [FUNCTION] button to call up the Function setting display.**

2 **Rotate the [VOICE] dial until the desired Function name and number appear.**
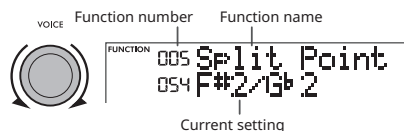
3 **Rotate the [STYLE] dial to specify the setting.**

To restore the default setting, simultaneously press the **[+/YES]** and **[–/NO]** buttons.

Selected setting
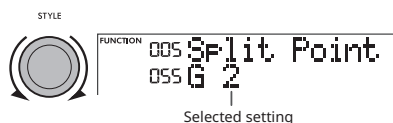
4 **To exit the Function setting display, press the [FUNCTION] button.**

■ **Function List**

Function Number		Function	Display	Range/Settings	Default Value	Backup
PSR-I610	PSR-I510					
General						
001	001	Tempo Lock	Tempo Lock	On/Off	Off	
002	002	Transpose	Transpose	−12 – +12	0	
003	003	Tuning	Tuning	427.0 Hz–453.0 Hz	440.0 Hz	✓
004	004	Pitch Bend Range	PB Range	1–12	2	
005	005	Split Point	Split Point	036 (C1)–096 (C6)	054 (F#2/G♭2)	✓
006	006	Touch Response	TouchRespons	1: Soft 2: Medium 3: Hard 4: Off	2: Medium	✓
007	007	Portamento Time	PortamentoTm	0–127	*	
Main Voice						
008	008	Main Voice Volume	M.Volume	0–127	*	
009	009	Octave	M.Octave	−2 – +2	*	
010	010	Pan	M.Pan	L63–L01, C, R01–R63	*	
011	011	Reverb Depth	M.Reverb	0–127	*	
012	012	Chorus Depth	M.Chorus	0–127	*	
013	013	Attack Time	M.Attack	0–127	64	
014	014	Release Time	M.Release	0–127	64	

Function Number		Function	Display	Range/Settings	Default Value	Backup
PSR-I610	PSR-I510					
015	015	Filter Cutoff	M.Cutoff	0–127	64	
016	016	Filter Resonance	M.Resonance	0–127	64	
Dual Voice						
017	017	Dual Voice Volume	D.Volume	0–127	*	
018	018	Octave	D.Octave	−2 – +2	*	
019	019	Pan	D.Pan	L63–L01, C, R01–R63	*	
020	020	Reverb Depth	D.Reverb	0–127	*	
021	021	Chorus Depth	D.Chorus	0–127	*	
022	022	Attack Time	D.Attack	0–127	64	
023	023	Release Time	D.Release	0–127	64	
024	024	Filter Cutoff	D.Cutoff	0–127	64	
025	025	Filter Resonance	D.Resonance	0–127	64	
Split Voice						
026	026	Split Voice Volume	S.Volume	0–127	*	
027	027	Octave	S.Octave	−2 – +2	*	
028	028	Pan	S.Pan	L63–L01, C, R01–R63	*	
029	029	Reverb Depth	S.Reverb	0–127	*	
030	030	Chorus Depth	S.Chorus	0–127	*	
Style						
031	031	Style Volume	Style Volume	0–127	100	✓
032	032	Fingering Type	Fing. Type	1: Multi Finger 2: Smart Chord	1: Multi Finger	✓
033	033	Style Key	Style Key	FL7–FL1, SP0–SP7 FL7 (7 ♭) : C♭ Major/A♭ minor SP0 (no key signature) : C Major/A minor SP7 (7 #) : C# Major/A# minor	SP0 (no key signature): C Major/A minor	
034	034	Chord Progression	Chord Prog.	001–145	001	
Riyaz						
035	035	Riyaz Volume	Riyaz Volume	0–127	100	✓
Song						
036	036	Song Volume	Song Volume	0–127	100	✓
037	037	Song Melody Voice	MelodyVcChg	001–927 (PSR-I610) 001–887 (PSR-I510)	**	
038	038	Song Transpose	Song Trans	−12 – +12	0	
Looper						
039	039	Looper Undo	Looper Undo	1: Last Event (Last recorded single note) 2: Last Timing (Last recorded chord) 3: Last Loop (Last recorded loop)	1: Last Event	
040	040	Looper Volume	LooperVolume	0–127	100	

Function Number		Function	Display	Range/Settings	Default Value	Backup
PSR-I610	PSR-I510					
Effects						
041	041	Reverb Type	Reverb Type	01–04: Hall 05: Cathedral 06–09: Room 10–12: Stage 13–15: Plate 16: Off	**	
042	042	Reverb Level	Reverb Level	0–127	64	
043	043	Chorus Type	Chorus Type	1–3: Chorus 4–6: Flanger 7: Celeste 8: Off	**	
044	044	Master EQ Type	Master EQ	1: Standard 2: India 3: Bright 1 4: Bright 2 5: Mellow 1 6: Mellow 2	1: Standard	✓
Microphone						
045	045	Microphone Volume	Mic Volume	0–127	Depends on the mic type	✓
046	046	Pan	Mic Pan	L63–L01, C, R01–R63	Depends on the mic type	✓
047	047	Reverb Depth	Mic Reverb	0–127	Depends on the mic type	✓
048	048	Chorus Depth	Mic Chorus	0–127	Depends on the mic type	✓
Sampling						
049	049	Blank Cut	Blank Cut	On/Off	On	✓
050	050	Sampling Pad Volume	Sampling Vol	000–127	100	
051	051	Sampling Sync Playback	SamplingSync	On/Off	Off	
Harmony/Arpeggio						

052	052	Harmony/Arpeggio Type	Harmony/Arp	Harmony Type
				  001–026
				Arpeggio Type
				  PSR-I610: 027–208
				  PSR-I510: 027–205
					*	

053	053	Harmony Volume	Harmony Vol	0–127	*	
054	054	Arpeggio Velocity	Arp Velocity	1: Original 2: Key	Depends on the Arpeggio type	
055	055	Arpeggio Quantize	Arp Quantize	1: Off 2: 1/4 3: 1/8 4: 1/16	Depends on the Arpeggio type	

Function Number		Function	Display	Range/Settings	Default Value	Backup
PSR-I610	PSR-I510					
Pedal						
056	056	Foot Switch	Foot Switch	1: Sustain 2: Arpeggio Hold 3: Sustain+Arpeggio Hold 4: Articulation 5: Sostenuto	1: Sustain	
057		Foot Controller	Foot Control	1: All 2: Keyboard	1: All	
Scale Tuning						
058	057	Scale	Scale	1: Equal (equal temperament) 2: Pure Major 3: Pure Minor 4: Bayat (Arabic) 5: Rast (Arabic)	1: Equal	
059	058	Base Note	Base Note	01: C, 02: C#/D♭, 03: D, 04: D#/E♭, 05: E, 06: F, 07: F#/G♭, 08: G, 09: G#/A♭, 10: A, 11: A#/B♭, 12: B	01: C	
060	059	Tuning Note	Tune Note	01: C, 02: C#/D♭, 03: D, 04: D#/E♭, 05: E, 06: F, 07: F#/G♭, 08: G, 09: G#/A♭, 10: A, 11: A#/B♭, 12: B	01: C	
061	060	Individual Tuning	Tune	−64 – 63	Depends on the scale	
Metronome						
062	061	Time Signature Numerator	Time Sig Top	00–60	**	
063	062	Time Signature Denominator	Time Sig Btm	2 (half note) 4 (quarter note) 8 (eight note) 16 (sixteenth note)	**	
064	063	Metronome Volume	MetronomeVol	0–127	100	✓
Lesson						
065	064	Lesson Track (R)	R-Part	1–16	1	
066	065	Lesson Track (L)	L-Part	1–16	2	
067	066	Your Tempo	Your Tempo	On/Off	On	✓
MIDI						
068	067	Local Control	LocalControl	On/Off	On	
069	068	External Clock	Ext Clock	On/Off	Off	
070	069	Keyboard Out	Keyboard Out	On/Off	On	
071	070	Style Out	Style Out	On/Off	Off	
072	071	Song Out	Song Out	On/Off	Off	
073	072	Initial Send	Initial Send	***	-	

Function Number PSR-I610	Function Number PSR-I510	Function	Display	Range/Settings	Default Value	Backup
Audio						
074	073	Audio Volume [AUX IN]	Aux In Vol	0–127	50	✓
075	074	Audio Volume [USB TO HOST]/ [USB TO DEVICE]	USB In Vol	0–127	100	✓
076	075	Audio Loopback	Loopback	On/Off	On	✓
077	076	Melody Suppressor	Melody Supr	On/Off	Off	
078	077	Melody Suppressor Pan	MelSupr Pan	L63–L01, C, R01–R63	C	
Regist Freeze						
079	078	Style Freeze	Style Freeze	On/Off	Off	✓
080	079	Transpose Freeze	Trans Freeze	On/Off	Off	✓
081	080	Voice Freeze	Voice Freeze	On/Off	Off	✓
Storage						
082	081	Storage Mode	Storage Mode	On/Off	Off	
Demo						
083	082	Demo Group	Demo Group	1: Demo 2: Preset 3: User 4: Download 5: USB 6: Audio	1: Demo	✓
084	083	Demo Play Mode	DemoPlayMode	1: Normal 2: Random	1: Normal	✓
Speakers						
085	084	Speaker	Speaker	1: Phones Sw 2: Speaker On 3: Speaker Off	1: Phones Sw	
Power Supply						
086	085	Auto Power Off	AutoPowerOff	Disabled, 5/10/15/30/60/120 (minutes)	15 (minutes)	✓
087	086	Battery	Battery	1: Alkaline (alkaline or manganese batteries) 2: Ni-MH (rechargeable nickel metal hydride batteries)	1: Alkaline (alkaline or manganese batteries)	✓

*   The appropriate setting is automatically specified for the selected Voice combination.

** The appropriate setting is automatically specified for the currently selected Style/Song/Arpeggio.

*** The Initial Send function sends the instrument's panel settings to a computer. If the [+/YES] button is pressed while the Function name is shown, the operation will be immediately performed.

Backup and Initialization

Data and Settings To Be Backed Up

The following data and settings are automatically backed up and will be maintained even after the instrument has been turned off.

Continually Backed Up
- User Songs (page 29)
- Styles loaded from external devices (PSR-I610: Style No.393–402; PSR-I510: Style No. 383–392)*
- Samples saved to Quick Sampling pads*
- Looper data*
- User chord progression data*
  - *Refer to the Reference Manual (see page 9).*

Backed Up when Turning Off the Power
- Registration Memory (page 25)
- Function settings
  Settings of functions with a check mark in the "Backup" column of the Function List (pages 33–37) are backed up.

Initializing the Instrument

Clearing the backed-up data and settings listed at left and restoring all instrument settings to their factory defaults is called "initialization."

■ Clearing Backup Data (Backup Clear)

All backed-up data and settings will be restored their factory defaults.
While holding down the highest white key, press the **[⏻] (Standby/On)** switch to turn on the instrument.

Highest note on the keyboard (white key)
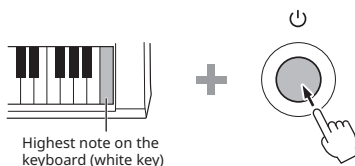
Clearing Files Transferred from a Computer, etc. (Flash Clear)

Clearing backed-up data will not clear any files transferred from a computer or smart device. In order to clear these files, perform a Flash Clear operation.

⇨ *Reference Manual (see page 9)*

Troubleshooting

Problem	Possible Cause and Solution
When the instrument is turned on by pressing the [⏻] (Standby/On) switch, a popping sound is temporarily produced.	This indicates that the instrument is receiving electrical power. Before turning on the instrument, turn the [MASTER VOLUME] control to "MIN."
When the instrument is turned on by pressing the [⏻] (Standby/On) switch, the instrument turns off suddenly and unexpectedly.	This is because the overvoltage protection function has been activated. If an AC adaptor other than the one specified is used, the instrument may turn off suddenly and unexpectedly. Use only the specified AC adaptor (page 41).
When a mobile phone is being used (or ringing) near this instrument, noise can be heard from the instrument's speakers and/or headphones.	If a mobile phone is being used (or ringing) near this instrument, it may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
The power is automatically turned off.	This is caused by the Auto Power Off function (page 13). Change the time until the instrument is automatically turned off, or deactivate the function.
No sound is produced when the keyboard is played. No sound is produced when a Style, Riyaz, or Song is played back.	Make sure that no headphones or a headphone adaptor is connected to the [PHONES] jack.
	Function 085(PSR-I610)/084(PSR-I510) "Speaker" (page 37) is set to "3 Speaker Off." Set it to either "1 Phones SW" or "2 Speaker On."

Problem	Possible Cause and Solution
• The volume is too low. • The sound quality is poor. • The Style/Riyaz/Song/Arpeggio stops unexpectedly or will not play. • Recorded data, for example, of a Song, is not played back correctly. • The LCD display suddenly goes dark, and all panel settings are reset. • The instrument turns off when a USB flash drive is being connected.	The battery is depleted. Replace all batteries with brand new or fully recharged ones, or use the AC adaptor.
The foot switch (for sustain) seems to produce the opposite effect.	This happens either because you stepped on the foot switch while turning on the instrument, or the foot switch was connected/disconnected while the instrument was on. Turn off the instrument, and then turn it on again while being careful not to step on the foot switch.
When playing the keyboard, some keys do not produce sound when pressed simultaneously. Furthermore, the sound seems to cut off when a Style, Riyaz, Song, Arpeggio or the QUICK SAMPLING pads are being played.	The maximum polyphony (page 40) has been exceeded. If the maximum polyphony has been exceeded, earlier notes are muted and subsequent notes are given priority.
The sound quality and volume vary depending on which key is pressed.	In order to faithfully reproduce the original sound of an instrument, this instrument has samples of the original instrument across the range of its keyboard. As a result, some Voices may have different sound quality and volume depending on their range.
The keyboard performance and playback of a Style/Riyaz/Song produces an unexpected sound, such as distortion or excessive reverb, that cannot be returned to normal.	An unintended setting was made due to operation of the knobs. Press the [HARMONIUM/PIANO] button to reset the panel settings.
The Style/Riyaz/Song does not start even when the [START/STOP] button has been pressed. Arpeggio does not start even if a key is pressed with the Arpeggio function turned on.	Function 069(PSR-I610)/068(PSR-I510) "External Clock" (page 36) is set to "On." Normally, "External Clock" should be set to "Off."
The volume of a Style/Riyaz/Song is too low.	The volume of a Style/Riyaz/Song is too low. The volume levels for a Style/Riyaz/Song can be set separately (page 34). Make sure that the volume settings for each function are not too low.
Style parts other than Rhythm produce no sound.	Style (ACMP) is not turned on. Press the SEQUENCER CONTROL [ACMP] button so that it lights up.
When certain Styles are selected, no rhythm is played even after the [START/STOP] button has been pressed.	The selected Style does not include a rhythm part. Turn the SEQUENCER CONTROL [ACMP] button on and play the left-hand area on the keyboard to sound the accompaniment part of the Style.
The instrument does not respond when operated.	Function 082(PSR-I610)/081(PSR-I510) "Storage Mode" (page 37) is set to "On." Set "Storage Mode" to "Off."
The Style corresponding to the played chord is not played back.	The setting for Function 032 "Fingering Type" (page 34) does not fit how the chords are being played. Check the settings. For details on playing chords, refer to the Reference Manual on the website (see page 9).
	The setting for Function 005 "Split Point" (page 33) is not correct. Specify an appropriate setting.

Specifications

			PSR-I610	PSR-I510
Product Name			Digital Keyboard	
Size/Weight	Dimensions (W x H x D)		992 mm x 136 mm x 404 mm (39-1/16" x 5-3/8" x 15-7/8")	
	Weight		7.3 kg (16 lb, 1 oz) (not including batteries)	7.0 kg (15 lb, 7 oz) (not including batteries)
Control Interface	Keyboard	Number of Keys	61	
		Touch Response	Yes (Soft, Medium, Hard, Off)	
	Other Controllers	Pitch Bend Wheel	Yes	
		Modulation Wheel	Yes	-
		Knobs	2	
	Display	Type	LCD (Liquid Crystal Display)	
		Language	English	
	Panel	Language	English	
Voices	Tone Generator		AWM Stereo Sampling	
	Polyphony (max.)		64	
	Preset	Number of Voices	927 (386 Voices + 43 Drum/SFXKits + 40 Arpeggio Voices + 458 XGlite Voices)	887 (347 Voices + 42 Drum/SFXKits + 40 Arpeggio Voices + 458 XGlite Voices)
	Compatibility		GM, XGlite	
Effects	Types	DSP	DSP1: 41 + DSP2: 12	
		Reverb	15	
		Chorus	7	
		Master EQ	6	
Accompaniment Styles	Preset	Number of Styles	392	382
		Fingering	Multi Finger, Smart Chord	
		Style Control	ACMP ON/OFF, SYNC START, SYNC STOP, START/STOP, INTRO/ENDING/rit., MAIN (A, B) / Auto Fill, TRACK ON/OFF	
	External Styles		10	
	Other Features	One Touch Setting (OTS)	Yes	
		Auto Chord Play	135 Chord Progressions + 10 USER Chord Progressions	
	Compatibility		Style File Format (SFF)	
Riyaz	Preset	Number of Riyaz Patterns	50	40
		Number of Variations	5	
	Other Feature	One Touch Setting (OTS)	Yes	
Songs (MIDI)	Preset	Number of Preset Songs	75	65
	Recording	Number of Songs	10	
		Number of Tracks	6 (5 Melody + 1 Style)	
		Data Capacity	Approx. 19,000 notes (total for all 10 Songs)	
	Format	Playback	SMF (Formats 0 & 1)	
		Recording	Original File Format (SMF 0 conversion function)	
USB Audio Recorder	Recording Time (max.)		80 minutes (approx. 0.9 GB) per Song	
	Format	Playback	WAV (44.1 kHz, 16-bit, stereo)	
		Recording	WAV (44.1 kHz, 16-bit, stereo)	
Quick Sampling	Sampling Type		Oneshot, Loop	
	Samples (Preset/User)		4	
	Sampling Time		Approx. 9.6 sec	
	Sampling Sources		AUX IN, MIC INPUT, USB audio interface, WAV format files	
	Sampling Format		Original File Format (16-bit, stereo)	
	Sampling Rate		44.1 kHz	
Functions	Voices	Dual	Yes	
		Split	Yes	
		Harmony	26	
		Arpeggio	182	179
		Articulation	Yes (29 S.Art Lite Voices)	Yes (20 S.Art Lite Voices)
	Registration Memory	Number of Buttons	4 (× 8 banks)	
		Control	Freeze	

			PSR-I610	PSR-I510
Functions	Lesson		Lesson 1–3 (1 Listening, 2 Timing, 3 Waiting), Repeat & Learn	
	Overall Controls	Metronome	Yes	
		Tempo Range	11 – 280 (Tap Tempo: 32 – 280)	
		Transpose	−12 – 0 – +12	
		Tuning	427.0 – 440.0 – 453.0 Hz (approx. 0.2 Hz increments)	
		Octave Button	Yes	
		Scale Type	5	
	Miscellaneous	HARMONIUM/PIANO Button	Yes	
		Demo	Yes	
		Melody Suppressor	Yes	
		USB audio interface	44.1 kHz, 16-bit, stereo	
		Motion Effect	57	
		Looper	Yes	
		Mega Boost	2 steps (approx. +3 dB, +6 dB)	
Storage and Connectivity	Storage	Internal Memory	Approx. 1.72 MB	
		External Drives	USB flash drive	
	Connectivity	DC IN	16 V	12 V
		Headphones	Standard stereo phone jack	
		Microphone	Standard mono phone jack	
		FOOT SWITCH	Sustain, Arpeggio Hold, Sustain+Arpeggio Hold, Articulation, Sostenuto	
		FOOT CONTROLLER	Yes (Volume)	-
		AUX IN	Stereo mini jack	
		OUTPUT	Standard stereo phone jacks: L/L+R, R	
		USB TO DEVICE	USB Type-A	
		USB TO HOST	USB Type-C™	
Sound System	Amplifiers		12 W × 2	6 W × 2
	Speakers		12 cm × 2	
Power Supply	Power Supply	AC Adaptor	PA-300C (Output : DC 16 V, 2.4 A)	PA-150 or an equivalent recommended by Yamaha (Output : DC 12 V, 1.5 A)
		Batteries	Six "AA" size alkaline (LR6), manganese (R6) or Ni-MH rechargeable (HR6) batteries	
	Power Consumption		13 W (When using PA-300C AC adaptor)	13 W (When using PA-150C AC adaptor)
	Standby Power Consumption		0.1 W (When using PA-300C AC adaptor)	0.3 W (When using PA-150C AC adaptor)
	Auto Power Off		Yes (Disabled/5/10/15/30/60/120 minutes)	
Included Accessories			• Owner's Manual (this book) • Music rest • AC adaptor: PA-300C • Power cord	• Owner's Manual (this book) • Music rest • AC adaptor: PA-150 or an equivalent recommended by Yamaha
Separately Sold Accessories (May not be available depending on your area.)			• Headphones: HPH-150, HPH-100, HPH-50 • Footswitch: FC4A, FC5 • Foot controller: FC7 • AC adaptor: PA-300C • Keyboard stand: L-2C • Wireless MIDI Adaptor: UD-BT01 • Subwoofer: KS-SW100 • Keyboard Bag: SC-KB650	• Headphones: HPH-150, HPH-100, HPH-50 • Footswitch: FC4A, FC5 • AC adaptor: PA-150 or an equivalent recommended by Yamaha • Keyboard stand: L-2C • Wireless MIDI Adaptor: UD-BT01 • Subwoofer: KS-SW100 • Keyboard Bag: SC-KB650

* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

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https://manual.yamaha.com/mi/rt/psr-i610/downloads/

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Wenden Sie sich für nähere Informationen zu Produkten an eine Yamaha-Vertretung oder einen autorisierten Händler in Ihrer Nähe. Diese finden Sie mithilfe des unten abgebildeten 2D-Strichodes.

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