



piagggero

NP-31 NP-11

Owner's Manual

EN

SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

WARNING: Do not place this product 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.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

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.

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 long periods 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.

Some Yamaha products may have benches and / or accessory mounting fixtures that are either supplied with 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.

NOTICE:

Service charges incurred due to a 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.

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.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, never mix old batteries with new ones, and never mix different types of batteries. Batteries MUST be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

Warning:

Do not attempt to disassemble, or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

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. If your dealer is unable to assist you, please contact Yamaha directly.

NAME PLATE LOCATION:

The name plate is located on the bottom of the product. 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

PLEASE KEEP THIS MANUAL

92-BP (bottom)

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 co-axial 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, CA90620

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

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*Thank you for purchasing the Yamaha digital keyboard!
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.*

About the Manuals

This instrument has the following documents and instructional materials.

■ Included Documents



Owner's Manual (this book)

This Owner's Manual describes how to use the functions of the instrument.
Before using the instrument, be sure to read the Precautions on pages 5 – 6.



Quick Operation Guide

This Quick Operation Guide shows and explains in chart form the operation of the functions assigned to the buttons and the keyboard for quick and easy understanding.

■ Online Materials (downloadable from the web)

The following instructional materials are available for downloading from the Yamaha website.

Yamaha Manual Library <http://www.yamaha.co.jp/manual/>

Access the Yamaha Manual Library, then enter your model name (NP-31, for example) in the Model Name area to search for a specific manual.



MIDI Reference

This contains the MIDI Data Format, the MIDI Implementation chart and detailed explanations about the MIDI settings of the instrument.



MIDI Basics (only in English, French, German and Spanish)

If you want to know more about MIDI and how to use it, refer to this introductory book.

Accessories

- Owner's Manual
- Quick Operation Guide
- Music Rest
- AC Power Adaptor
 - * May not be included depending on your particular area.
Please check with your Yamaha dealer.
- My Yamaha Product User Registration
 - * The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

* Please keep this manual in a safe 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/AC power adaptor

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 22) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do not open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

Fire warning

- Do not put burning items, such as candles, on the unit.
A burning item may fall over and cause a fire.



CAUTION

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

Power supply/AC power adaptor

- Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

Location

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected cables.
- 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, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Use only the stand specified for the instrument. When attaching the stand or rack, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Battery

- Always replace all batteries at the same time. Do not use new batteries together with old ones.
- Do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, or battery fluid leakage.
- Do not tamper with or disassemble batteries.
- Do not dispose of batteries in fire.
- Do not attempt to recharge batteries that are not intended to be charged.
- Keep batteries away from children.
- 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.
- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.
- When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument to prevent possible leakage of the battery fluid.

If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. (If you are using batteries, remove all batteries from the instrument.) Then have the device inspected by Yamaha service personnel.
 - The power cord or plug becomes frayed or damaged.
 - It emits unusual smells or smoke.
 - Some object has been dropped into the instrument.
 - There is a sudden loss of sound during use of the instrument.

Connections

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

Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel or keyboard. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device 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.

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

Always turn the power off when the instrument is not in use.

Even when the power switch is in standby status, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

Make sure to discard used batteries according to local regulations.

NOTICE

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

■ Handling and Maintenance

- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise.
- Do not expose the instrument 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 panel 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 instrument, since this might discolor the panel or keyboard.
- When cleaning the instrument, use a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.
- Since speakers are built into the instrument you should be careful to never leave any video tapes, cassette tapes, floppy disks or any kind of magnetic storage media on the panel—doing so may result in data loss or damage to the items.

Information

■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

■ About functions/data bundled with the instrument

- Some of the preset songs have been edited for length or arrangement, and may not be exactly the same as the original.

■ About this manual

- The illustrations as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

The serial number of this product may be found on 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.

(bottom)

Setting Up

Be sure to do the following operations **BEFORE** turning on the power.

Power Requirements

Although the instrument will run either from an optional AC adaptor or batteries, Yamaha recommends use of an AC adaptor whenever possible. An AC adaptor is more environmentally friendly than batteries and does not deplete resources.

Using an AC Power Adaptor

- 1 Make sure that the [⏻] (Standby/On) switch of the instrument is off (the power indicator located to the left of the switch is off).

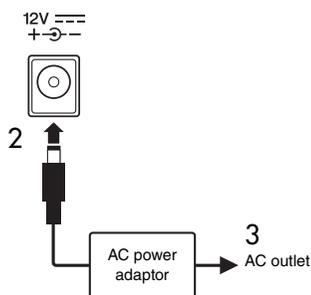
⚠ **WARNING**

- Use the specified adaptor (page 22). The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.

- 2 Connect the AC adaptor to the power supply jack.
- 3 Plug the AC adaptor into an AC outlet.

⚠ **CAUTION**

- Unplug the AC Power Adaptor when not using the instrument, or during electrical storms.

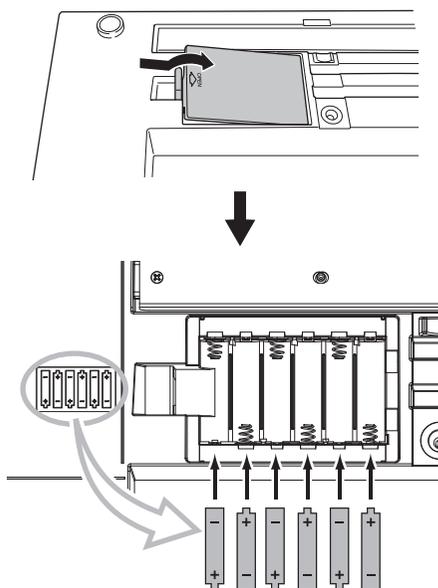


Using Batteries

- 1 Open the battery compartment cover located on the instrument's bottom panel.
- 2 Insert six new alkaline batteries, being careful to follow the polarity markings on the side of the compartment.
- 3 Replace the compartment cover, making sure that it locks firmly in place.

NOTE

- Never connect or disconnect the AC power adaptor when the power is on and the batteries are installed. Doing so will turn the power off.



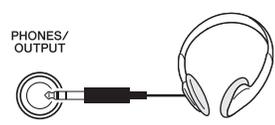
For battery operation, the instrument requires six 1.5V “AA” size, LR6 or equivalent batteries. (Alkaline batteries are recommended.) When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries, following the precautions listed below.

⚠ **WARNING**

- Make sure to install the batteries with the proper orientation, maintaining the correct polarity (as shown). Incorrect battery installation may result in heat, fire and/or leaking of corrosive chemicals.
- When the batteries run down, replace them with a complete set of six new batteries. NEVER mix old and new batteries. Do not use different kinds of batteries (e.g. alkaline and manganese) at the same time.
- If the instrument is not to be used for a long time, remove the batteries in order to prevent possible fluid leakage and damage to the instrument.

Make sure to properly connect all external devices you are using (as shown below) BEFORE turning the power on.

Connecting Headphones or an Audio Device (PHONES/OUTPUT Jack)

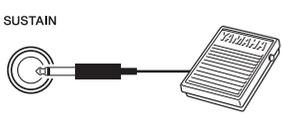


A pair of stereo headphones with a 1/4" stereo phone plug can be plugged in the PHONES/OUTPUT jack for convenient monitoring. The speakers are automatically shut off when a plug is inserted into this jack. The PHONES/OUTPUT jack also functions as an external output. You can connect the PHONES/OUTPUT jack to a keyboard amplifier, stereo system, mixer, tape recorder, or other line-level audio device to send the instrument's output signal to that device.

CAUTION
 • Avoid listening with the headphones at high volume for long periods of time; doing so may not only result in ear fatigue, it may be damaging to your hearing.

CAUTION
 • To prevent damage to the speakers, set the volume of the external devices at the minimum setting before connecting them. Failure to observe these cautions may result in electric shock or equipment damage. Also, be sure to set the volumes of all devices at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

Connecting a Footswitch or a Foot Pedal (SUSTAIN Jack)



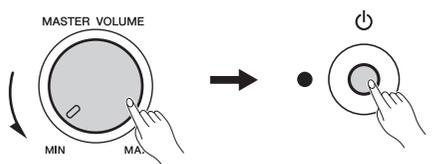
The SUSTAIN jack is for connecting the Footswitch or foot pedal. The pedal functions in the same way as a damper pedal on an acoustic piano. Connect an optional footswitch FC4/FC5 to this jack and press the pedal to sustain the sound. An optional FC3 Foot Pedal can also be connected to this jack. If you connect an optional FC3 Foot Pedal, the half pedal function* can be used.

*** Half pedal function**
 If you are playing the piano with sustain but want to make the sound between notes clearer, slightly release your foot from the pedal, keeping the pedal down in half position or less.

NOTE
 • Make sure that the power is OFF when connecting or disconnecting the Footswitch or the Foot Pedal.
 • Do not turn the power on while pressing the Footswitch or the Foot Pedal. Otherwise, the switch or pedal type (on/off) will be reversed.

Turning the Power On

Turn down the volume by turning the [MASTER VOLUME] dial to the MIN position and press the [⏻] (Standby/On) switch to turn on the power. Press the [⏻] (Standby/On) switch again for a second to turn the power to standby.



While playing the keyboard, adjust the volume level by using the [MASTER VOLUME] dial.

CAUTION
 • Even when the switch is set to standby, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the AC power adaptor from the wall AC outlet, and/or remove the batteries from the instrument.

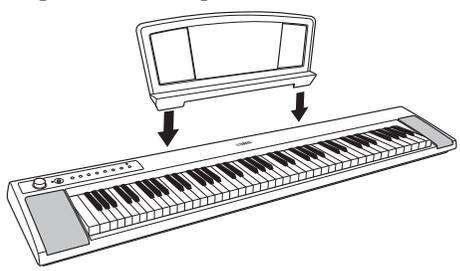
NOTE
 • All panel settings are reset to the default values whenever the power is turned off.

Auto Power Off Function

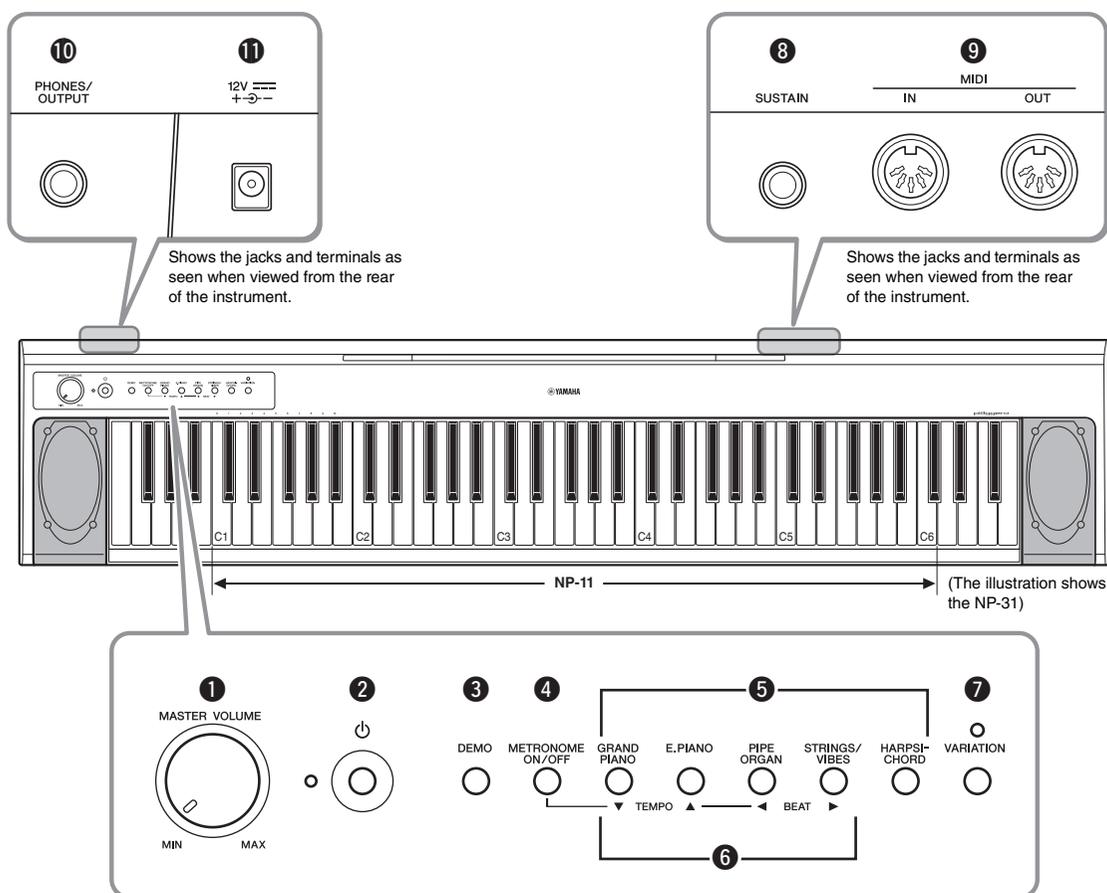
To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for 30 minutes. The Auto Power Off function can be set to on or off; see page 18.

Using the Music Rest

The instrument includes a music rest that can be attached to the instrument by inserting it into the slot at the top of the control panel.



Panel Controls and Terminals



- 1 [MASTER VOLUME] dial page 8**
For adjusting the volume level of the entire sound.
- 2 [⏻] (Standby/On) switch page 8**
For turning the power on or off.
- 3 [DEMO] button pages 12, 13**
For playing all the Voice Demo Songs and Piano Demo Songs.
- 4 [METRONOME ON/OFF] button page 14**
For using the metronome.
- 5 VOICE buttons pages 10, 11**
For selecting the Voices (instrument sounds), such as Grand Piano.
- 6 TEMPO [▼] [▲]/BEAT [◀] [▶] buttons page 14**
The tempo and beat of the metronome can be changed by using these buttons while holding the [METRONOME ON/OFF] button. The TEMPO buttons also affect the tempo of the Demo Song.
- 7 [VARIATION] button page 10**
For selecting a different Voice for the Voice button.
- 8 [SUSTAIN] jack page 8**
For connecting a pedal, optional FC3 Foot Pedal or FC4/FC5 Footswitch.
- 9 MIDI [IN] [OUT] terminals page 19**
For connecting external MIDI devices, allowing the use of various MIDI functions.
- 10 [PHONES/OUTPUT] jack page 8**
For connecting a set of standard stereo headphones, allowing private practice. This jack also functions as an external output.
- 11 DC IN jack page 7**
For connecting the power adaptor.

Selecting & Playing Voices

Selecting Voices

1 Press one of the Voice buttons.



Two different Voices are assigned to each Voice button. You can switch between them by pressing the [VARIATION] button. After the [Grand Piano] is pressed, for example, turning on [VARIATION] will call up the Grand Piano 2 Voice while turning off [VARIATION] will call up the Grand Piano 1 Voice.

Voice Button	Voice Name	Description
GRAND PIANO	Grand Piano 1	Recorded samples from a full concert grand piano. Perfect for classical compositions as well as any other style that requires acoustic piano.
	VARIATION	Grand Piano 2
E.PIANO	E. Piano 1	An electronic piano sound created by FM synthesis. Good for popular music.
	VARIATION	E. Piano 2
PIPE ORGAN	Pipe Organ 1	This is a typical pipe organ sound (8' + 4' + 2'). Good for sacred music from the Baroque period.
	VARIATION	Pipe Organ 2
STRINGS/VIBES	Strings	Spacious and large-scale string ensemble. Try combining this Voice with piano in DUAL.
	VARIATION	Vibraphone
HARPSICHORD	Harpsichord 1	The definitive instrument for baroque music. Since the strings of a harpsichord are plucked, there is no touch response.
	VARIATION	Harpsichord 2

NOTE 1

To familiarize yourself with the characteristics of the Voices, listen to the Voice Demo Songs for each Voice (page 12).

TERMINOLOGY

Voice:

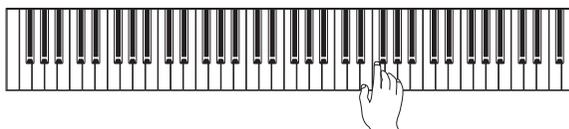
The term "Voice" refers to a musical instrument sound built into the Digital Musical Instrument.

NOTE 1

When you select a Voice, an appropriate reverb type will be selected automatically (page 16).

2 Adjust the volume.

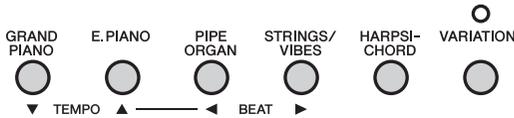
Rotate the [MASTER VOLUME] dial to set the most comfortable listening level during your performance.



Combining Voices (Dual)

You can play Voices simultaneously across the entire range of the keyboard. In this way, you can combine similar Voices to create a thicker sound.

1 Press two Voice buttons simultaneously to engage Dual.



The Voice assigned to the left side button will be designated as Voice 1, and the Voice assigned to the right side button will be designated as Voice 2.

Using Variation Voices in Dual mode

To select a Variation Voice in Dual mode, first select the desired Voice, then press the [VARIATION] button. Finally, press the two desired Voice buttons simultaneously. If either of the Voices is a Variation Voice, the [VARIATION] indicator lights. To use (or cancel) Variation for both Voices, simply press the [VARIATION] button so that the indicator lights (or goes off).

[NOTE]

Dual mode cannot be used with two Voices of the single Voice button (for example, strings and vibraphone).

[NOTE]

Reverb in Dual

The reverb type assigned to Voice 1 will take priority. If the reverb assigned to Voice 1 is set to OFF, the reverb assigned to Voice 2 will be in effect.

[NOTE]

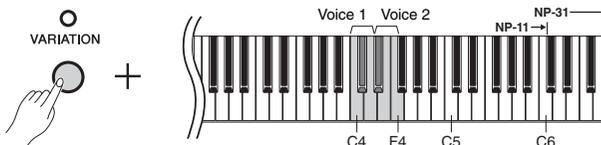
Refer to "Selecting Voices" on page 10 for more information on the Voices that are assigned to the [VARIATION] button.

2 To exit from Dual, press one of the Voice buttons.

Setting the Octave

While holding down the [VARIATION] button, press one of the C4 – D4 keys to shift the pitch up or down in octave steps for Voice 1.

While holding down the [VARIATION] button, press one of the D#4 – F4 keys to shift the pitch up or down in octave steps for Voice 2.

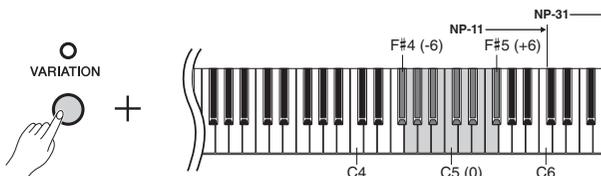


Voice 1	C4	-1
	C#4	0
	D4	+1

Voice 2	D#4	-1
	E4	0
	F4	+1

Setting the Volume Balance

While hold down the [VARIATION] button, press one of the F#4 – F#5 keys (see the illustration) to adjust the volume balance between two Voices. A setting of "0" produces equal balance between Voices 1 and 2. Values below "0" (to "-6") decrease the volume of Voice 1 and increase the volume of Voice 2; values above "0" (to "6") increase the volume of Voice 1 and decrease the volume of Voice 2.

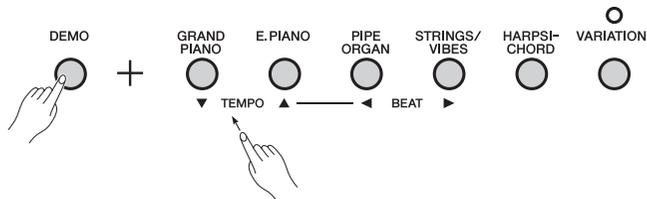


Listening to the Voice Demo Songs

The instrument features special Voice Demo Songs that effectively showcase each of the Voices.

1 While holding down the [DEMO] button, press one of the Voice buttons to start the Voice Demo Song.

The Songs provided for each Voice will play back in sequence.



Changing a Voice Demo Song

During playback, you can change the Voice Demo Song by pressing a different Voice button.

In addition, you can select a different Voice Demo Song for the Variation Voice by pressing the [VARIATION] button.

The Voice Demo Song List

Voice Name	Title	Composer
Harpsichord 1	Gavotte	J.S. Bach
Harpsichord 2	Invention No. 1	J.S. Bach

The demonstration pieces listed above are short rearranged excerpts of the original compositions.

All other songs are original (© 2011 Yamaha Corporation).

2 Press the [DEMO] button to stop playback.



[NOTE]

Refer to the Voice list on page 10 for more information on the characteristics of each preset Voice.

[NOTE]

The Voice Demo Songs are not transmitted via MIDI.

[NOTE]

Simply pressing the [DEMO] button starts the Demo Song sequence from the Grand Piano 1 Voice.

[NOTE]

The [VARIATION] indicator is lit while the Demo Song of the Variation Voice is playing back.

[NOTE]

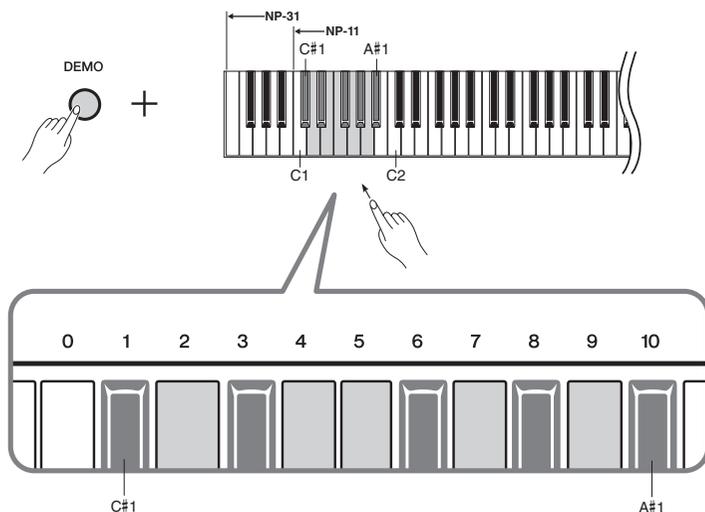
You can adjust the tempo of the Voice Demo Song during playback. For instructions on setting the tempo, see page 14.

Listening to the Piano Demo Songs

The instrument provides Piano Demo Songs as well as Voice Demo Songs, for your listening pleasure.

1 While holding down the [DEMO] button, press one of the 1 – 10 (C#1 – A#1) keys to start the desired Song.

The Piano Demo Songs are assigned to the 1 – 10 (C#1 – A#1) keys. The selected Piano Preset Song will play back followed by the rest of the Songs in sequence.



Piano Demo Song List

NP-31

No.	Title	Composer
1	Menuett G dur BWV.Anh.114	J.S. Bach
2	Turkish March (Piano Sonate No.11 K.331)	W.A. Mozart
3	Für Elise	L.v. Beethoven
4	Valse op.64-1 "Petit chien"	F.F. Chopin
5	Träumerei	R. Schumann
6	Dolly's Dreaming and Awakening	T. Oesten
7	Arabesque	J.F.F. Burgmüller
8	Humoresque	A. Dvořák
9	The Entertainer	S. Joplin
10	La Fille aux Cheveux de Lin	C.A. Debussy

NP-11

No.	Title	Composer
1	Invention No. 1	J.S. Bach
2	Prelude (Wohltemperierte Klavier I No.1)	J.S. Bach
3	Le Coucou	L-C. Daquin
4	Turkish March	W.A. Mozart
5	Little Serenade	J. Haydn
6	Ecossaise	L.v. Beethoven
7	Moments Musicaux op.94-3	F.P. Schubert
8	Valse op.69-1 "L'adieu"	F.F. Chopin
9	Fröhlicher Landmann	R. Schumann
10	La chevaleresque	J.F. Burgmüller

[NOTE]

You can play the keyboard along with the Piano Demo Song. You can also change the Voice for playing on the keyboard.

[NOTE]

When you select a different Song (or a different Song is selected during chained playback), an appropriate reverb type will be selected accordingly.

[NOTE]

You can adjust the tempo of the Piano Demo Song during playback. For instructions on setting the tempo, see page 14.

[NOTE]

The Piano Demo Songs are not transmitted via MIDI.

2 Press the [DEMO] button to stop playback.



Using the Metronome

This instrument features a built-in metronome (a device that keeps an accurate tempo) that is convenient for practicing.

1 Press the [METRONOME ON/OFF] button to start the Metronome.

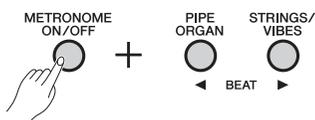


2 Press the [METRONOME ON/OFF] button to stop the Metronome.



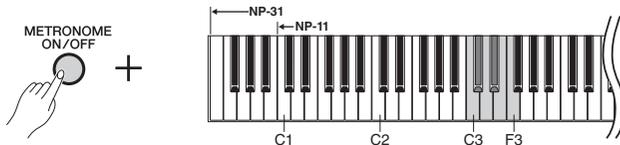
Setting the Beat

While holding down the [METRONOME ON/OFF] button, use the BEAT [◀] button or the BEAT [▶] button to select the Beat from 0, 2, 3, 4, 5 and 6. The first Beat is accented with a bell sound and the rest with clicks. The default setting is 0. In this setting, clicks sound for all beats.



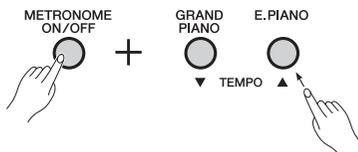
The beat can also be changed by the following operation.

While holding down the [METRONOME ON/OFF] button, press one of the keys C3 – F3.



Adjusting the Tempo

While holding down the [METRONOME ON/OFF] button, use the TEMPO [▼] or [▲] button to decrease or increase in single steps.



While holding down the [METRONOME ON/OFF] button, press both TEMPO [▼]/[▲] buttons simultaneously to restore the default tempo.

TERMINOLOGY

Default setting:

The "Default setting" refers to the factory setting obtained when you first turn on the power to the instrument.

Key	Beat
C3	0
C#3	2
D3	3
D#3	4
E3	5
F3	6

[NOTE 1]

Setting range: ♩ = 32 – 280

[NOTE 2]

Default setting: 120

Also, while holding down the [METRONOME ON/OFF] button, use the following keys to increase or decrease in single or ten steps.

Increasing the tempo value in steps of one:

While holding down the [METRONOME ON/OFF] button, press the F#2 key.

Decreasing the tempo value in steps of one:

While holding down the [METRONOME ON/OFF] button, press the E2 key.

Increasing the tempo value in steps of ten:

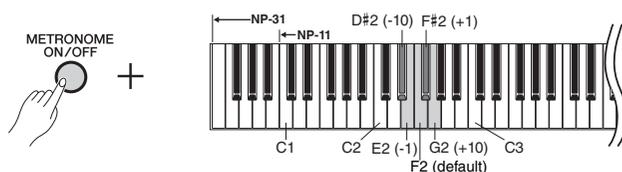
While holding down the [METRONOME ON/OFF] button, press the G2 key.

Decreasing the tempo value in steps of ten:

While holding down the [METRONOME ON/OFF] button, press the D#2 key.

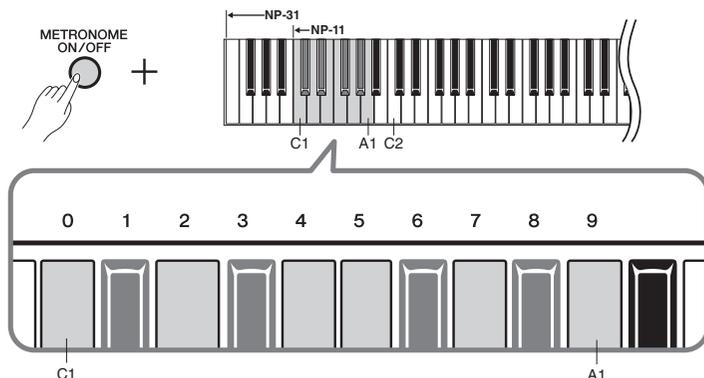
Resetting the tempo to default:

While holding down the [METRONOME ON/OFF] button, press the F2 key.



Entering a specific tempo number

The numbers 0 – 9 are assigned to the keys C1 – A1, respectively (see below). While holding down the [METRONOME ON/OFF] button, press the appropriate 0 (C1) – 9 (A1) keys in sequence to specify a two or three-digit number. Select a number starting from the left-most digit. For example, to set the tempo to “95,” press the 9 (A1) and 5 (F1) keys in sequence.

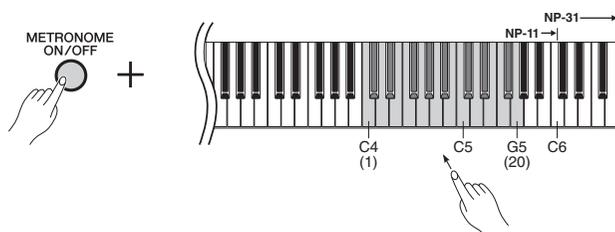


Adjusting the volume

You can change the volume of the metronome sound.

While holding down the [METRONOME ON/OFF] button, press one of the C4 – G5 keys to determine the volume.

Pressing a higher key results in a higher volume, while pressing a lower key results in a lower volume.



NOTE

Setting range:

C4 (1) – G5 (20)

Default setting:

A4 (10)

Other Settings

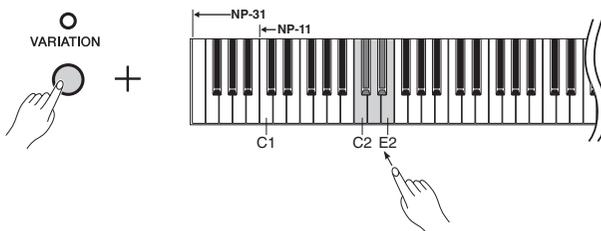
Adding Variations to the Sound – Reverb

This control enables you to select four different types of reverb effect that add extra depth and expression to the sound to create a realistic acoustic ambience.

Key	Reverb Type	Description
C2	Room	This setting adds a continuous reverb effect to the sound, similar to the acoustic reverberation you would hear in a room.
C#2	Hall1	For a "bigger" reverb sound, use the HALL 1 setting. This effect simulates the natural reverberation of a small-size concert hall.
D2	Hall2	For a truly spacious reverb sound, use the HALL 2 setting. This effect simulates the natural reverberation of a large concert hall.
D#2	Stage	Simulates the reverb of a stage environment.
E2	Off	No effect is applied.

Selecting a Reverb Type

While holding down the [VARIATION] button, press one of the C2 – E2 keys to select a reverb type (as shown above).

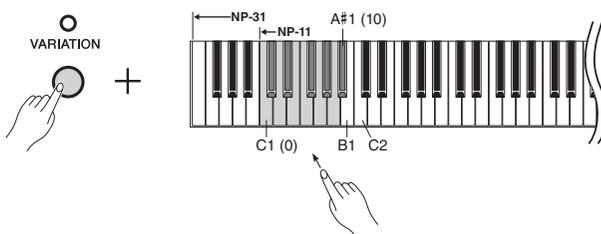


NOTE

The appropriate Reverb Type and Depth are automatically set when a Voice is selected.

Adjusting Reverb Depth

While holding down the [VARIATION] button, press one of the C1 – A#1 keys to adjust the reverb depth for the selected Voice.



NOTE

Setting range:

0 (no effect) – 10 (maximum depth)

The depth value increases as you press higher keys.

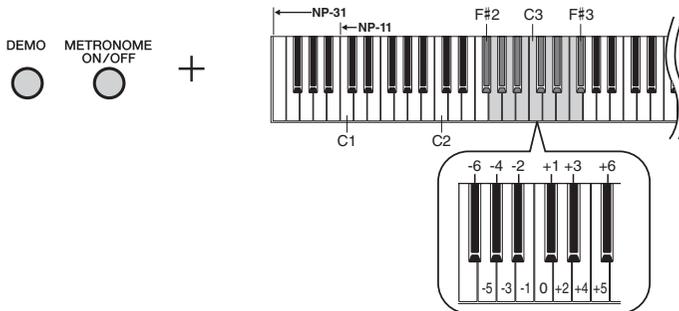
While holding down the [VARIATION] button, press the B1 key to set the reverb to the depth most suitable for the selected Voice.

Transposing the Pitch

The Transpose function makes it possible to shift the pitch of the entire keyboard up or down in semitone intervals to facilitate playing in difficult key signatures, and to let you easily match the pitch of the keyboard to the range of a singer or other instruments. For example, if you set the transposition amount to “+5,” playing a C key actually produces a pitch of F. In this way, you can play a song as though it were in C major, and the instrument will transpose it to the key of F.

Setting the amount of transposition

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press one of the F#2 – F#3 keys to set the desired amount of transposition.



To transpose the pitch down (in semitone steps)

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press any key between F#2 and B2.

To transpose the pitch up (in semitone steps)

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press any key between C#3 and F#3.

To restore the normal pitch

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press the C3 key.

NOTE

Setting range:

F#2 (-6 semitones) – C3 (normal pitch) – F#3 (+6 semitones)

Fine Tuning of the Pitch

You can fine tune the pitch of the entire instrument. This function is useful when you play the instrument along with other instruments or CD music.

Setting the Pitch

To lower or raise the pitch (in steps of roughly 1.0 Hz):

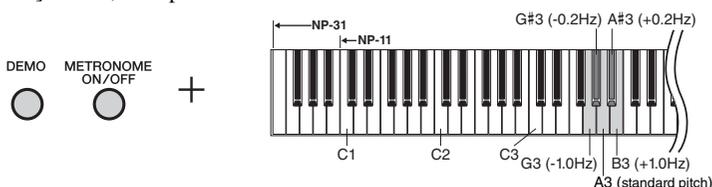
While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press G3 (to lower) or B3 (to raise).

To lower or raise the pitch (in steps of roughly 0.2 Hz):

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press G#3 (to lower) or A#3 (to raise).

To restore standard pitch:

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press C3.



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Hz (Hertz):

This unit of measurement refers to the frequency of a sound and represents the number of times a sound wave vibrates in a second.

NOTE

Setting range: 427.0 – 453.0 Hz

Default setting: A3 = 440Hz.

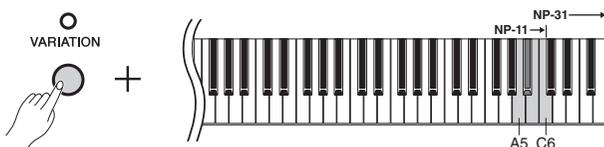
Touch Sensitivity

You can adjust the volume level that changes depending on how fast or strong you hit the keys. The following four settings are available.

Key	Touch Sensitivity	Description
A5	FIXED	The volume level does not change at all regardless of whether you play the keyboard soft or hard.
A#5	SOFT	The volume level does not change much when you play the keyboard soft or hard.
B5	MEDIUM	This is the standard piano touch response (default setting).
C6	HARD	The volume level changes very widely from pianissimo to fortissimo to facilitate dynamic and dramatic expression. You have to hit the keys hard to produce a loud sound.

Setting the Touch Sensitivity Type

While holding down the [VARIATION] button, press one of the A5 – C6 keys to select the desired touch sensitivity.



NOTE 1

The touch sensitivity settings may have little or no effect with Pipe Organ 1, 2 and Harpsichord 1, 2 Voices that are not normally responsive to keyboard dynamics.

NOTE 2

Default setting: Medium

Disabling the Auto Power Off Function

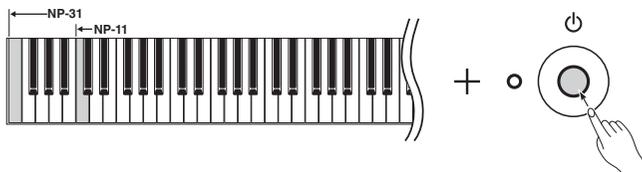
To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not used—i.e., no buttons or keys are pressed—for approximately 30 minutes.

If you do not want to use the Auto Power Off function, change the setting as follows.

Turn the power of the instrument off. Then, while holding down the lowest key, press the [] (Standby/On) switch to turn on the power again so that the [VARIATION] indicator flashes 3 times, after which the Auto Power Off function is disabled.

NOTE 1

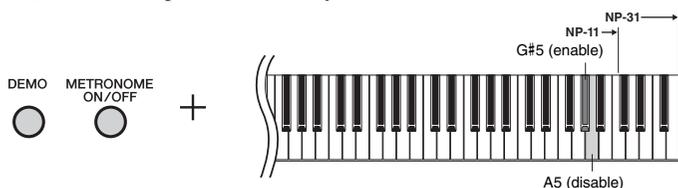
Default setting: Enable



If you want to disable the Auto Power Off function without turning the power off, hold down the [DEMO] button, then press and hold the [METRONOME ON/OFF] button, then press the A5 key.

Re-enabling the Auto Power Off Function

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press the G#5 key to enable the Auto Power Off function again.



Connecting MIDI Instruments

The instrument features MIDI IN/OUT terminals, allowing you to connect the instrument to other instruments and devices—including computers—and take advantage of the various performance and recording capabilities in MIDI applications.

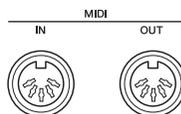
Connecting to the MIDI [IN] [OUT] terminals

MIDI [IN] [OUT] terminals

Use MIDI cables to connect external MIDI devices to these connectors.

About MIDI

MIDI (Musical Instrument Digital Interface) is a standard format for data transmission/reception. It enables the transmission of performance data and commands between MIDI devices and personal computers. Using MIDI, you can control a connected MIDI device from the instrument, or control the instrument from a connected MIDI device or computer.



NOTE

Since MIDI data that can be transmitted or received varies depending on the type of MIDI device, check the chapter "MIDI data format" on page 4 in "MIDI Reference" to find out what MIDI data and commands your devices can transmit or receive.

MIDI Capabilities

MIDI functions enable you to transmit performance data between MIDI devices.

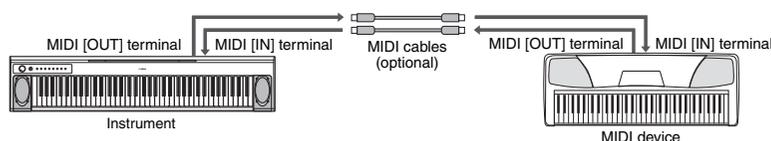
NOTICE

- Before connecting the instrument to other electronic components, turn off the power of all the components.

NOTE

You cannot transmit the Voice Demo Songs and the Piano Preset Songs from the instrument to another MIDI device.

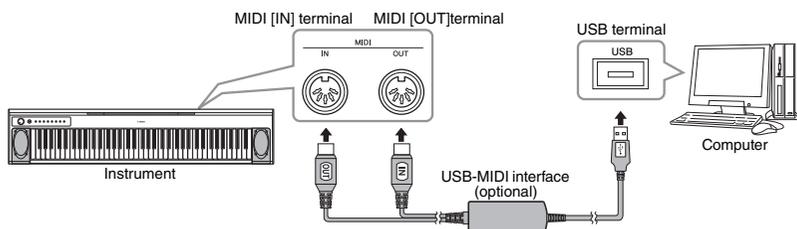
Transmitting performance data to and from another MIDI device



NOTE

For MIDI connections, use a standard (optional) MIDI cable, available at most musical instrument stores.

Transmitting performance data to and from a computer



NOTE

When the instrument is used as a tone module, performance data with Voices that are not found on the instrument will not be played correctly.

Connecting the USB port on the computer to the instrument via an optional USB-MIDI interface (such as the Yamaha UX16)

Use a USB-MIDI interface device to connect the USB port on your computer to the instrument's MIDI terminals. You must install the USB-MIDI interface (such as the UX16) driver. For more information, refer to the user's manual that came with the USB-MIDI interface device.

NOTICE

- When connecting the instrument to a computer, first turn off the power to the instrument, and then exit any open applications on the computer before connecting any cables. After making all connections, turn on the power to the instrument.

NOTE

You must install an appropriate software application on the computer to be able to transmit performance data between the instrument and a computer.

MIDI Functions

While holding down the [DEMO] button, press and hold the [METRONOME ON/OFF] button, then press the appropriate key indicated in the list below to make detailed adjustments to the MIDI settings.

Key	Setting item	Setting value	Default	Description
C1 – E2	Setting the MIDI Transmit Channel	1 – 16, OFF	Channel1	This parameter enables you to specify the channel over which the instrument transmits MIDI data.
C4 – F5	Setting the MIDI Receive Channel	1 – 16, 1 + 2, ALL	ALL	This parameter enables you to specify the channel over which the instrument receives MIDI data.
A#5	Setting Local Control ON/OFF	ON/OFF	ON	This parameter enables you to set Local Control to ON or OFF. Local control can be set to OFF so that the instrument does not play the internal Voices, but the appropriate MIDI information is still transmitted via the MIDI OUT terminal when notes are played on the instrument.
B5	Setting Program Change ON/OFF	ON/OFF	ON	This parameter enables you to set Program Change to ON or OFF. This function makes it possible to cancel program change number reception and transmission so that Voices can be selected on the instrument without affecting the external MIDI device.
C6	Setting Control Change ON/OFF	ON/OFF	ON	This parameter enables you to set Control Change ON or OFF. This function makes it possible to cancel control change data reception and transmission so that, for example, the pedal of the instrument and other controls can be operated without affecting an external MIDI device.

For details on the specific keys and the corresponding setting values, please refer to the included “Quick Operation Guide.”

Detailed instructions for making MIDI settings are explained in the MIDI Reference document, which can be downloaded from the Yamaha Manual Library on the Internet. (For details, please refer to the section “About the Manuals” on page 4.)

Troubleshooting

Problem	Possible Cause and Solution
The instrument does not turn on.	The instrument has not been plugged in properly. Securely insert the female plug into the jack on the instrument, and the male plug into a proper AC outlet (page 7).
	The batteries are low or dead. Replace all six batteries with completely new alkaline ones, or use the optional AC adaptor.
Noise is heard from the speakers or headphones.	The noise may be due to interference caused by the use of a mobile phone in close proximity to the instrument. Turn off the mobile phone, or use it further away from the instrument.
	The batteries are low or dead. Replace all six batteries with completely new alkaline ones, or use the optional AC adaptor.
The overall volume is low, or no sound is heard.	The Master Volume is set too low; set it to an appropriate level using the [MASTER VOLUME] dial.
	Make sure a pair of headphones is not connected to the headphones jack (page 8).
	Make sure that Local Control (page 20) is ON.
	The batteries are low or dead. Replace all six batteries with completely new alkaline ones, or use the optional AC adaptor.
The sound is distorted.	If you are using manganese batteries with the instrument, try replacing them with a set of new alkaline batteries. Alternately, you could use the AC adaptor instead, or try turning down the volume.
The sustain pedal has no effect.	The pedal cable/plug may not be properly connected. Make sure to securely insert the pedal plug into the SUSTAIN jack (page 8).
The pitch and/or tone of the piano Voices in certain ranges do not sound right.	The piano Voices attempt to precisely simulate actual piano sounds. However, as a result of sampling algorithms, overtones in some ranges may sound exaggerated, producing a somewhat different pitch or tone.
Power suddenly and unexpectedly turns off.	This is normal and the Auto Power Off function may have been activated. If you need to disable the Auto Power Off function, select "Off" in the function settings (page 18).

Optional Equipment

- Headphones (HPE-150/HPE-30)
- Foot Pedal (FC3)
- Footswitch (FC4/FC5)
- Keyboard Stand (L-2C)
- USB-MIDI interface (UX16)
- AC Power Adaptor:

Users within U.S or Europe: PA-150 or an equivalent, Others: PA-5D, PA-150 or an equivalent (for the NP-31)

Users within U.S or Europe: PA-130 or an equivalent, Others: PA-3C, PA-130 or an equivalent (for the NP-11)

Specifications

			NP-31	NP-11
Size/Weight	Dimensions	Width	1,244mm (49")	1,036mm (40 - 13/16")
		Height	105mm (4 - 1/8")	105mm (4 - 1/8")
		Depth	259mm (10 - 3/16")	259mm (10 - 3/16")
	Weight	5.7kg	4.5kg	
Keyboard	Number of Keys		76 (E0 – G6)	61 (C1 – C6)
	Type		Box Type (Graded SoftTouch)	Box Type
	Touch Response		Hard, Medium, Soft, Fixed	Hard, Medium, Soft, Fixed
Panel	Language		English	English
Voices	Tone Generation	Tone Generating Technology	AWM Stereo Sampling	AWM Stereo Sampling
	Polyphony	Number of Polyphony (Max.)	32	32
	Preset	Number of Voices	10	10
Effects	Types	Reverb	4 types	4 types
	Function	Dual	Yes	Yes
Functions	Demo		10 Voice Demos / 10 Piano Repertoire	10 Voice Demos / 10 Piano Repertoire
	Overall Controls	Metronome	Yes	Yes
		Tempo	Yes	Yes
		Transpose	Yes	Yes
		Tuning	Yes	Yes
Connectivity	Connectivity	DC/IN	12V	12V
		Headphones	PHONES/OUTPUT	PHONES/OUTPUT
		Sustain Pedal*	Yes (Half-Damper compatible)	Yes (Half-Damper compatible)
		MIDI	IN/OUT	IN/OUT
Amplifiers and Speakers	Amplifiers		6W × 2	2.5W × 2
	Speakers		(12cm × 6cm) × 2	(12cm × 6cm) × 2
Power Supply	Power Supply		<ul style="list-style-type: none"> • Adaptor: Users within U.S or Europe: PA-150 or an equivalent Others: PA-5D, PA-150 or an equivalent • Batteries: Six AA size, LR-6 or equivalent 	<ul style="list-style-type: none"> • Adaptor: Users within U.S or Europe: PA-130 or an equivalent Others: PA-3C, PA-130 or an equivalent • Batteries: Six AA size, LR-6 or equivalent
	Power Consumption		14W	7W
Included Accessories			<ul style="list-style-type: none"> • Owner's Manual • Quick Operation Guide • Adaptor: PA-150 or an equivalent * May not be included depending on your particular area. Please check with your Yamaha dealer. • Music Rest • My Yamaha Product User Registration 	<ul style="list-style-type: none"> • Owner's Manual • Quick Operation Guide • Adaptor: PA-130 or an equivalent * May not be included depending on your particular area. Please check with your Yamaha dealer. • Music Rest • My Yamaha Product User Registration

* When an optional FC3 Foot Pedal is connected, the half pedal effect can be used.

* Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

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Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.



By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.



For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[For business users in the European Union]

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.



[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Cd

(weee_battery_eu_en)

OBSERVERA!

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSEL: Netspændingen til dette apparat er IKKE afbrudt, så længe netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

Entsorgung leerer Batterien (nur innerhalb Deutschlands)

Leisten Sie einen Beitrag zum Umweltschutz. Verbrauchte Batterien oder Akkumulatoren dürfen nicht in den Hausmüll. Sie können bei einer Sammelstelle für Altbatterien bzw. Sondermüll abgegeben werden. Informieren Sie sich bei Ihrer Kommune.

(battery)

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