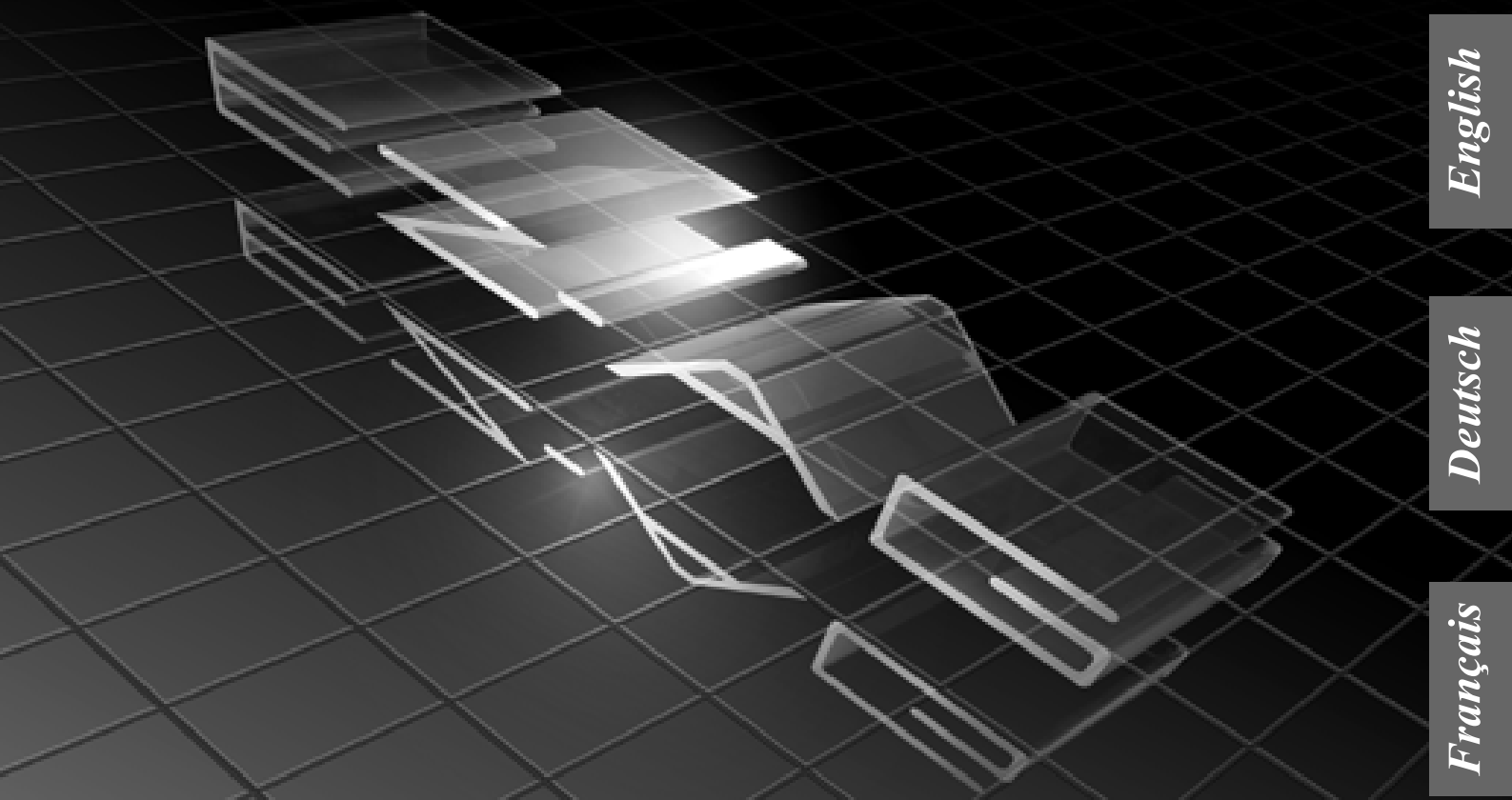
YAMAHA

EZ GUITAR / EZ GITARRE / EZ GUITARE / EZ GUITARRA

EZ-AG



English

Deutsch

Français

Español

Owner's Manual
Bedienungsanleitung
Mode d'emploi
Manual de instrucciones

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.

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.

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, do not mix batteries with new, or with batteries of a different type. 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.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

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

ADVARSEL: Netspændingen til dette apparat er IKKE afbrudt, sålænge netledningen siddr i en stikkontakt, som er t endt — også selvom der or 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)

● COPYRIGHT NOTICE

Twelve of the demo-songs or compositions included in this instrument are as follows:

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International Copyright Secured All Rights Reserved

Don't Be Cruel (To A Heart That's True)
Words and Music by Otis Blackwell and Elvis Presley
Copyright © 1956 by Unart Music Corporation and Elvis Presley Music, Inc.
Copyright Renewed and Assigned to Elvis Presley Music
All Rights Administered by Cherry River Music Co. and Chrysalis Songs
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Words and Music by Steve Cropper and Otis Redding
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Words and Music by John Bettis and Richard Carpenter
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Words and Music by Billy Preston and Bruce Fisher
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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

- 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 (PA-3C or PA-3B or an equivalent recommended by Yamaha) 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 place the AC adaptor 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.

Do not open

- Do not open the instrument or attempt to disassemble the internal parts or modify them in any way. The instrument contains no user-serviceable parts. 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, or place containers on it containing liquids which might spill into any openings.
- 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.

If you notice any abnormality

- If the AC adaptor cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the instrument, or if any unusual smells or smoke should appear to be caused by it, immediately turn off the power switch, disconnect the adaptor plug from the outlet, and have the instrument inspected by qualified Yamaha service personnel.

⚠ *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

- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord.
- Unplug the AC power adaptor when not using the instrument, or during electrical storms.
- 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.

Battery

- 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.
- Always replace all batteries at the same time. Do not use new batteries together with old ones. Also do not mix battery types, such as 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 dispose of batteries in fire.
- Do not attempt to recharge batteries that are not intended to be charged.
- 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.
- 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.

Location

- 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 or damage to the internal components.
- 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 place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected adaptor and other cables.

Connections

- Turn off the power to all other electronic components to which the instrument is to be connected before connecting the instrument. Also, be sure to lower all volume settings on all connected components to minimum, then gradually increase the volume while playing the instrument to set the desired listening level.

Maintenance

- When cleaning the instrument, use a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel.
- 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 operate the instrument 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.

Saving data

Saving and backing up your data

- Data in the instrument's internal memory can be lost due to operational errors or malfunction. Be sure to save any important data to external media via a computer connected to the instrument.

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.

When using a power adaptor, even when the power switch is in the "STANDBY" position, 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.

Make sure to discard used batteries according to local regulations.

The illustrations and LED display as shown in this owner's manual are for instructional purposes only, and may be different from the ones on your instrument.

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Thank you for choosing a Yamaha EZ GUITAR (EZ-AG)!

For maximum performance and enjoyment,
please read this owner's manual carefully before using your EZ-AG.
When you're done reading the manual,
please store it in a safe place – along with the warranty card –
for future reference.

Main Features

The EZ-AG is a sophisticated yet easy-to-use instrument. Some of its main features and functions include:

- **Built-in amplifier and speaker.**
- **Automatic accompaniment featuring a range of popular songs and chord progressions. (See Page 12)**
- **Using the STRUM play mode you can play complete songs using only your right hand! (See Page 18)**
- **The CHORD play mode indicates the fingering for the chords you should play on the EZ-AG's illuminated frets – an ideal practice and learning tool! (See Page 19)**
- **New songs can be downloaded from the internet using your computer, then transferred to and played on the EZ-AG! (MIDI interface required see page 22)**
- **Play using a wide range of different sounds. (See Page 12)**
- **No tuning required! The EZ-AG is always in perfect tune from the moment you turn it on. You can also select alternate tunings such as drop D and open G. (See Page 14)**
- **A "virtual capo" can be applied up to the sixth fret. (See Page 14)**

NOTE

- *Since the EZ-AG uses switches rather than actual strings over frets, playing techniques that depend on the physical properties of strings – such as string bending, vibrato produced by string bending, and harmonics – are not possible.*

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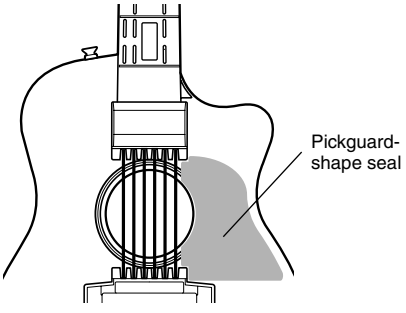
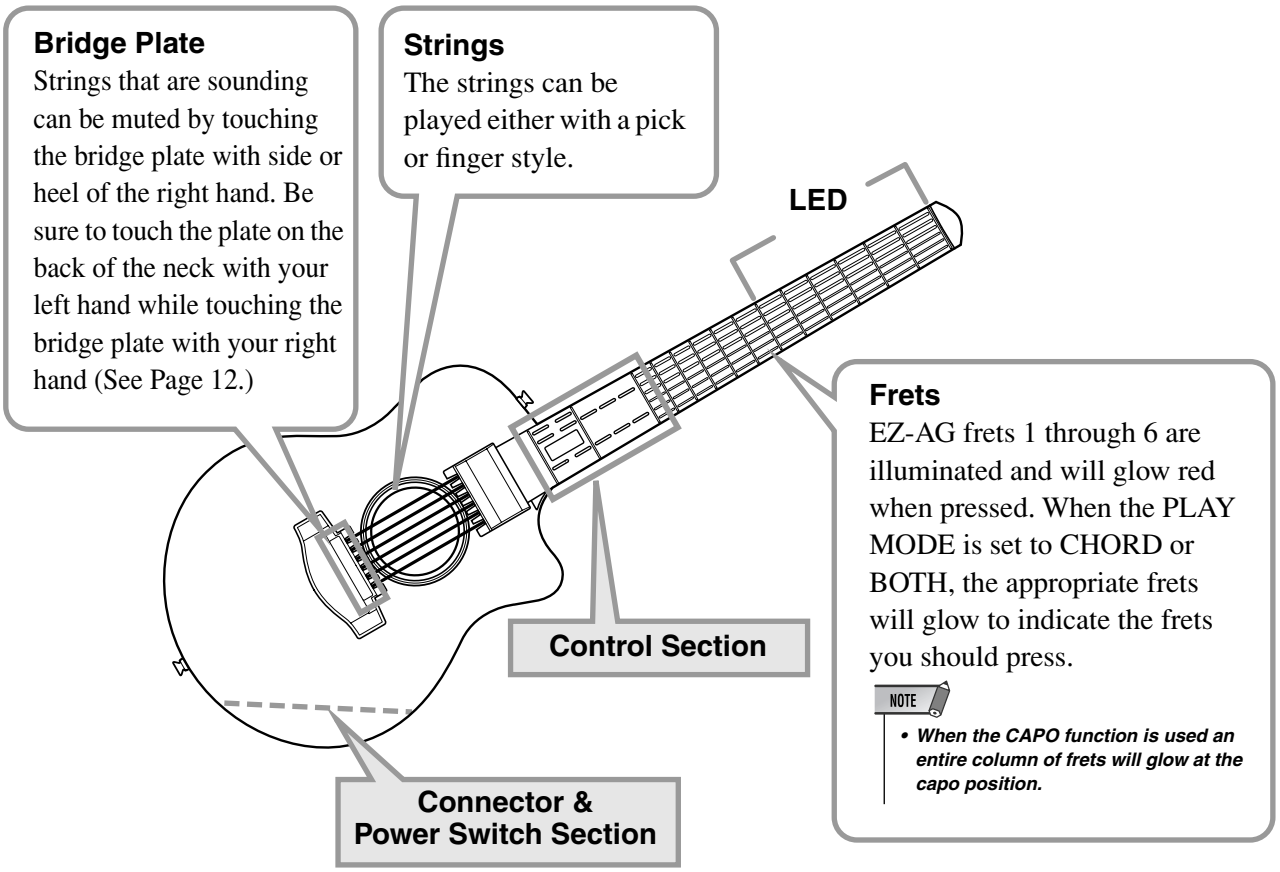
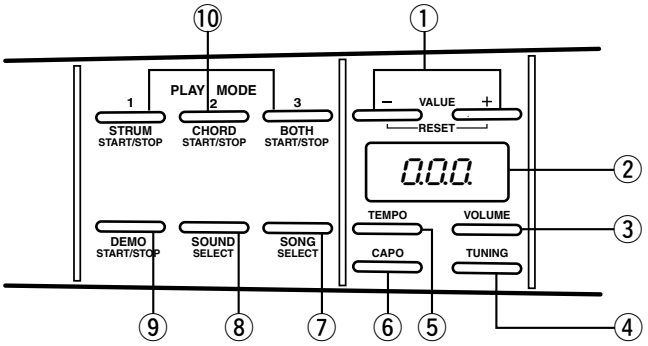
The pickguard-shape seal is provided for in-store promotional purposes, and may peel off or be scratched when the instrument is played.



■ Body



Control Section



① VALUE [+]/[-] Buttons

These buttons are used to select sounds and songs as well as adjust tempo, volume, balance, and other parameters. Press the [+] button once to increment the value by one, or press the [-] button once to decrement the value by one. Holding either button causes continuous incrementing or decrementing in the corresponding direction. Press both the [+] and [-] buttons simultaneously to reset the initial default value for the selected parameter.

② Display

Displays the value of the parameter being edited, as well as the currently selected tempo.

③ [VOLUME] Button

This button allows adjustment of both the instrument's overall volume, and the balance between the played and accompaniment sound.

④ [TUNING] Button
Allows overall tuning of the EZ-AG in semitone increments, as well as selection of one of the EZ-AG's alternative tunings: in addition to standard guitar tuning the EZ-AG provides drop-D, open-D, open-G, and open-E tunings.

⑤ [TEMPO] Button
Allows the song tempo to be set from ♩=32 through ♩=280.

⑥ [CAPO] Button
Allows the position of the EZ-AG's "virtual capo" to be specified.

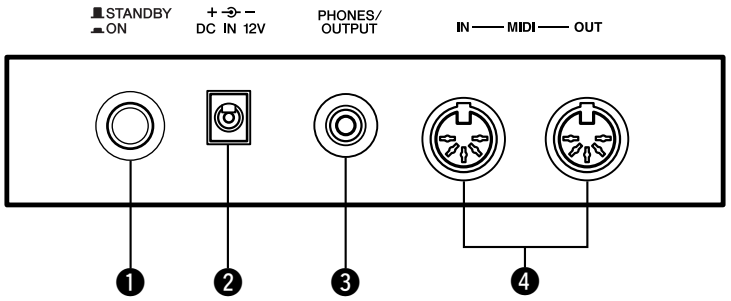
⑦ [SONG] Button
Allows any of the 25 internal songs to be selected for playback. In addition to the songs initially provided, songs downloaded from the internet to a computer can be read into and stored in the EZ-AG.

⑧ [SOUND] Button
Allows selection of any of the EZ-AG's 20 instrument sounds.

⑨ [DEMO] Button
Starts and stops song playback.

⑩ [STRUM], [CHORD], [BOTH] Buttons
Starts playback of the selected song using the corresponding playback method.

Connector & Power Switch Section



❶ Power Switch ([STANDBY/ON])
This is the EZ-AG power switch. Press the switch in to turn the power ON. Press the switch again to return it to the extended STANDBY position and turn power off.

❷ DC IN 12V Jack
The AC Power Adaptor (PA-3C) can be connected here.

⚠ CAUTION

- ***Make sure that power to all external devices is OFF when connecting the EZ-AG to avoid possible electric shock and damage to the equipment. Also, start with all volume controls turned down to minimum to prevent possible damage to speakers and other playback equipment.***

❸ PHONES/OUTPUT Jack
This jack can be used to connect a pair of stereo headphones for private practice or listening, or to connect the EZ-AG to an audio system, television, or instrument amplifier.

❹ MIDI IN/MIDI OUT Connectors
These connectors can be used to connect the EZ-AG to other MIDI gear or a computer using standard MIDI cables.

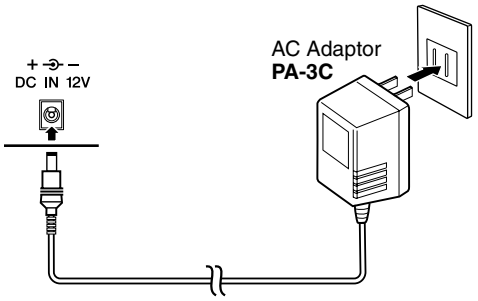
This section contains information about setting up your EZ-AG for playing. Make sure to read this section carefully before using the instrument.

Power Requirements

Although the EZ-AG 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 EZ-AG is set to STANDBY.
② Connect the AC adaptor (PA-3C, PA-3B, or other adaptor specifically recommended by Yamaha) to the DC IN 12V jack.
③ Plug the AC adaptor into an AC outlet.



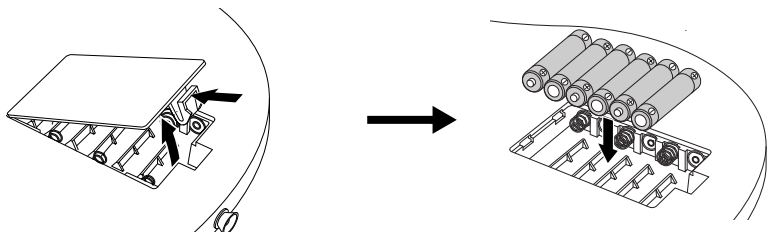
⚠ WARNING

- ***Use ONLY a Yamaha PA-3C or PA-3B AC Power Adaptor (or other adaptor specifically recommended by Yamaha) to power your instrument from the AC mains. The use of other adaptors may result in irreparable damage to both the adaptor and the EZ-AG.***
- ***Unplug the AC Power Adaptor when not using the EZ-AG, or during electrical storms.***

■ Using Batteries

For battery operation the EZ-AG requires six 1.5V "AA" size, or LR6 or equivalent batteries. When the batteries need to be replaced, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, turn the power off and replace the batteries, as described below

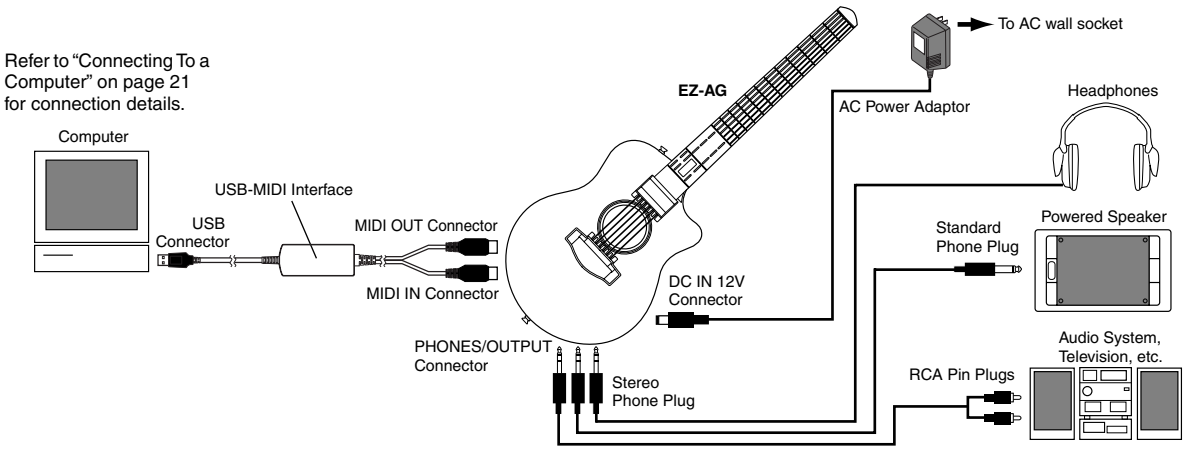
① Open the battery compartment cover located on the instrument's bottom panel.
② Insert the six new batteries, being careful to follow the polarity markings in the battery compartment.
③ Replace the compartment cover, making sure that it locks firmly in place.



⚠ CAUTION

- ***Use only alkaline batteries for this instrument. Other types of batteries (including rechargable batteries) may have sudden drops of power when battery power becomes low, possibly resulting in loss of data in the flash memory and the need to initialize the flash memory.***
- ***When the batteries run down, replace them with a complete set of six new batteries. NEVER mix old and new batteries.***
- ***If the instrument is not to be in use for a long time, remove the batteries from it, in order to prevent possible fluid leakage from the battery.***

Connections

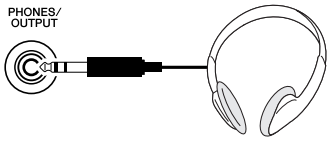


⚠ CAUTION

- ***Make sure that power to all external devices is OFF when connecting the EZ-AG to avoid possible electric shock and damage to the equipment. Also, start with all volume controls on external devices turned down to minimum to prevent possible damage to speakers and other playback equipment.***

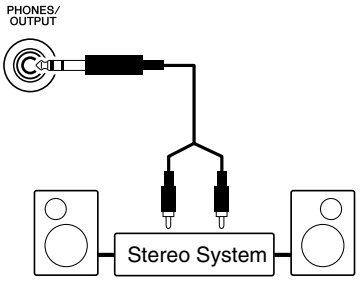
■ Using Headphones

For private practicing and playing without disturbing others, connect a set of stereo headphones to the PHONES/OUTPUT jack. Sound from the built-in speaker system is automatically cut off when you insert a headphone plug into this jack.



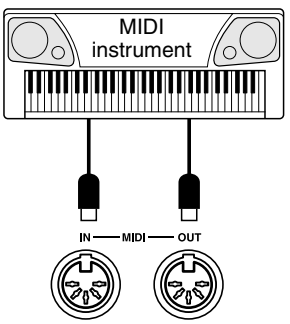
■ Connecting To an External Amplifier or Stereo System

Though the EZ-AG is equipped with a built-in speaker system, you can also play it through an external amplifier/speaker system. First, make sure the EZ-AG and any external devices are turned off, then connect one end of a stereo audio cable to the LINE IN or AUX IN jack(s) of the other device and the other end to the PHONES/OUTPUT jack on the EZ-AG.



■ Using the MIDI Terminals

The EZ-AG also features MIDI terminals, allowing you to interface the EZ-AG with other MIDI instruments and devices.



When you're set up and ready, turn on the power and play!

Power On & Play

1 Turn on the power.

With the AC power adaptor connected or with batteries installed, simply press the power switch until it locks in the ON position. When the instrument is not in use, be sure to turn the power off. (Press the switch again so that it pops up.). The "YAMAHA" name will scroll across the EZ-AG frets when the power is turned on. You can stop this by simply pressing any fret.

⚠ CAUTION

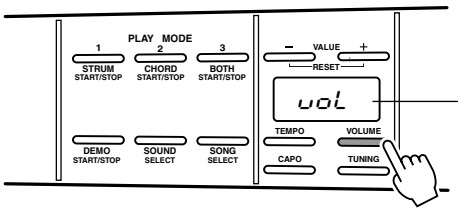
- ***Make sure that external amplification gear is off when turning the EZ-AG power on or off.***
- ***A very small amount of power is used by the EZ-AG when the [STANDBY/ON] switch is in the STANDBY position. Be sure to remove the batteries or unplug the AC Power Adaptor if you will not be using the EZ-AG for an extended period of time.***

Adjust the Overall Volume

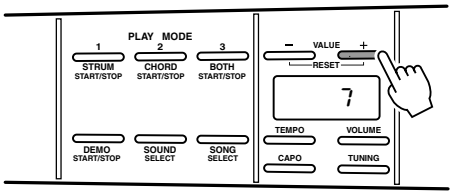
While playing the EZ-AG strings, adjust the instrument's volume for the desired overall listening level.

1) Press the [VOLUME] button once or twice so that "vol" appears on the display.

"vol" will show on the display while the [VOLUME] button is held, then the current volume setting will appear when the button is released.



2) Use the VALUE [+] and [-] buttons to set the desired volume level.

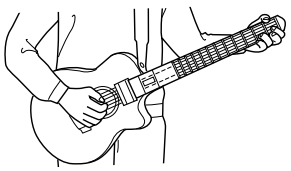


NOTE

- *Default volume can be restored by pressing both [+]/[-] buttons simultaneously.*

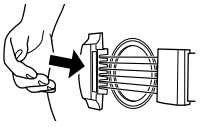
2 Play chords.

Form a chord with your left hand (frets you press up to the sixth fret will glow red), then play the strings with your right hand.



NOTE

- *Strings that are sounding can be muted by touching the bridge plate with the edge or heel of your right hand. Be sure to touch the plate on the back of the neck with your left hand while touching the bridge plate with your right hand.*

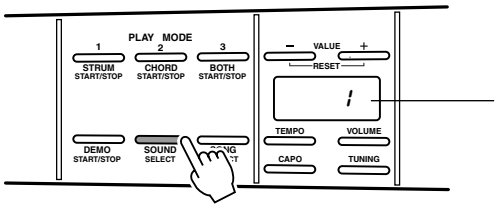


- *The sensitivity of the mute sensor will vary according to the player and ambient humidity. If muting does not seem to be working properly try touching the mute plate with the palm of your hand to increase the area of contact.*

Selecting Different Sounds

The EZ-AG includes 20 different guitar, bass, and other instrument sounds. Choose the sound that best suits the song you're playing and your playing style.

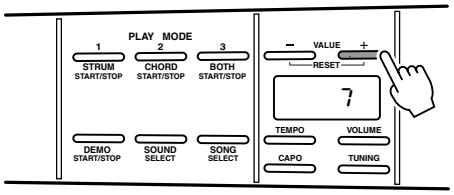
1 Press the [SOUND] button.



The number of the currently selected sound will appear on the display.

2 Select a sound number.

Use the [+] and [-] buttons to select the sound you want to play.



NOTE

- *Press the [+] and [-] buttons simultaneously to instantly recall sound number 1.*

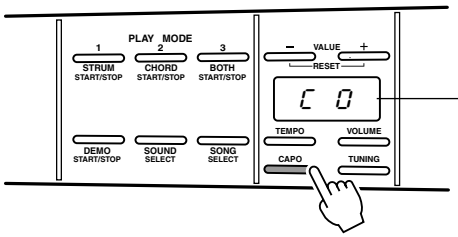
Sound List

No.	Sound	No.	Sound	No.	Sound
GUITAR		BASS		OTHERS	
1	Folk Guitar	10	Acoustic Bass	18	Banjo
2	Classic Guitar	11	Finger Bass	19	Shamisen
3	12-string Guitar	12	Pick Bass	20	Grand Piano
4	Jazz Guitar	13	Fretless Bass		
5	Octave Guitar	14	Slap Bass		
6	Clean Guitar	15	Synth Bass		
7	Mute Guitar	16	Hi-Q Bass		
8	Overdrive Guitar	17	Dance Bass		
9	Distortion Guitar				

Using the CAPO Function

The EZ-AG's virtual capo functions in the same way as a normal guitar capo, "stopping" the strings at the specified fret. The EZ-AG CAPO function can be applied up to the sixth fret. Some guitar books include capo indications that can make setting this function easy.

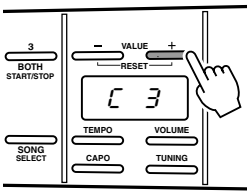
1 Press the [CAPO] button.

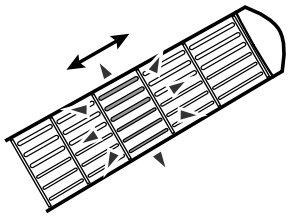


The current CAPO position will appear on the display.

2 Select the capo position (fret).

Use the [+] and [-] buttons to select the fret at which you want to position the capo. You can select frets 0 through 6. All fret buttons at the selected fret position will glow.



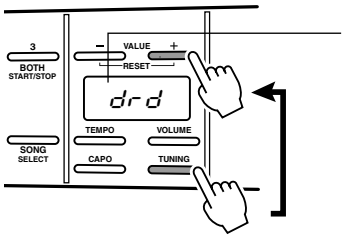


NOTE

- *The CAPO setting only applies to the played sound (not to the song playback sound).*

Tuning

After pressing the [TUNING] button you can use the [+] and [-] buttons to raise or lower the overall pitch of the EZ-AG in semitone steps up to one octave. For example, a setting of "-1" lowers the pitch by one semitone; a setting of "+4" raises the pitch by four semitones (an interval of a third); or a setting of "-12" lowers the pitch by a full octave. This makes it easy to play the EZ-AG in any key – to match the range of a singer, for example. The EZ-AG also provides four alternative tunings which can be selected by pressing the [+] button beyond the "+12" setting: **Drop D**, **Open D**, **Open G**, and **Open E**.



The number of semitones tuned or the type of alternative tuning selected will appear on the display.

Tuning / Display	Key Control - 12-0-12	Drop D drd	Open D oPd	Open G oPG	Open E oPE
1st	E	E	D	D	E
2nd	B	B	A	B	B
3rd	G	G	F♯	G	G♯
4th	D	D	D	D	E
5th	A	A	A	G	B
6th	E	D	D	D	E

Playing the Songs

The EZ-AG features a range of internal songs that you can play along with. Song numbers 1 through 25 are pre-programmed into the EZ-AG. Additional songs can be downloaded from the internet using a computer and loaded into the EZ-AG for playback. Refer to the "Connecting to MIDI Devices" section for details.

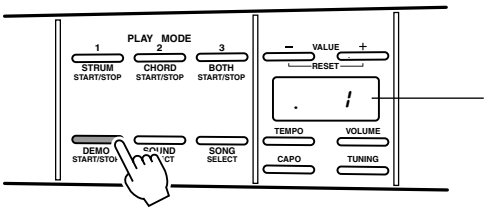
Song List

No.	Title	No.	Title	No.	Title	No.	Title
SONG		8	California Girls	PATTERN		19	I-VIm-IV-V7-I
1	Tears In Heaven	9	Knock On Wood	13	I-V	20	I-IIm-IIIm-IV
2	A Hard Day's Night	10	Don't Be Cruel (To A Heart That's True)	14	I-VIm-IIm-V7	21	I-I7-IV-IVm
3	Stand By Me			15	I-VIm-IV-V7	22	VIm7-II7-IV-I
4	Day Tripper	11	(Sittin' On) The Dock Of The Bay	16	I-VIm-IV-V7	23	I-II7-IV-I
5	More Than Words			17	I-IIIm-IV-V7	24	I-VIm-V-IV-I
6	Hound Dog	12	Yesterday Once More	18	IIIm7-VIm7-IIm7-V7	25	IV-IIm-IIIm-VIm
7	You Are So Beautiful						

Listen To the Songs and Play Along

1 Press the [DEMO] button.

Playback of the currently selected song will begin, then the remaining songs will play back in sequence.



The current song number is shown on the display.

2 Press the [DEMO] button to stop playback.

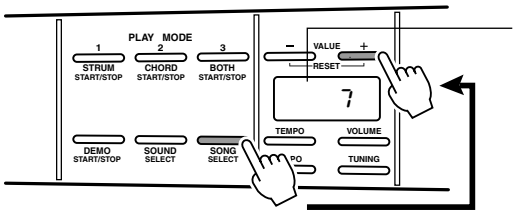
NOTE

- *If you press the [DEMO] button to start demo playback and then change the tempo or volume while the demo is playing, pressing the [DEMO] button a second time will not stop playback immediately. Instead, the song number display will appear, and you will need to press [DEMO] one more time in order to stop playback.*

Listen To a Specified Song and Play Along

1 Press [SONG] and select a song.

After pressing the [SONG] button, use the [+] and [-] buttons to select the number of the song you want to play.



The number of the currently selected song will appear on the display.

2 Press the [DEMO] button to start and stop playback.

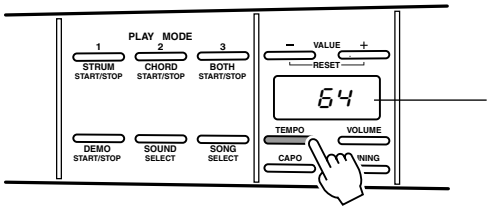
NOTE

- *After pressing the [DEMO] button to start playback, the [+] and [-] buttons can be used to select a specific song. All remaining songs will play back in sequence following the selected song.*
- *If a play mode is selected – i.e. the [STRUM], [CHORD] or [BOTH] button is pressed – the selected song will play repeatedly.*
  Songs loaded from a computer will be stored in memory numbers "F-1, F-2, etc." following the pre-programmed song data (1 - 25), and can be selected using the [+] and [-] buttons in the same way as the pre-programmed songs.

Change the Song Tempo

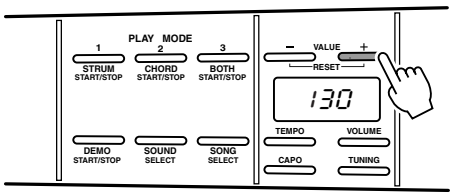
Playback tempo of the songs can be adjusted from ♩=32 through ♩=280 (quarter notes per minute). This can be handy to slow a song down for practice.

1 Press the [TEMPO] button.



The current tempo will appear on the display.

2 Use the [+] and [-] buttons to set the tempo.



NOTE

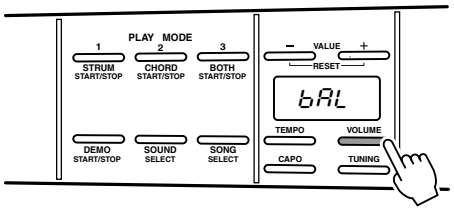
- *Press the [+] and [-] buttons simultaneously to reset the default tempo of the song.*

Adjust the Balance

This function adjusts the volume of the accompaniment playback, thus allowing you to set the ideal balance between the accompaniment and what you play on the EZ-AG strings.

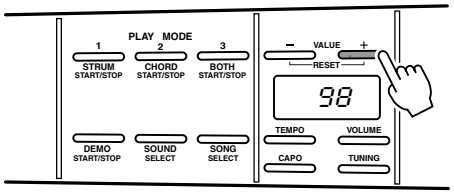
1 Press the [VOLUME] button once or twice so that "bAL" appears on the display.

"bAL" will show on the display while the [VOLUME] button is held, then the current balance setting will appear when the button is released.



2 Use the VALUE [+] and [-] buttons to set the desired balance.

The accompaniment volume can be adjusted from "0" (minimum) through "127" (maximum) to achieve the best balance with what you play on the instrument's strings. The initial default accompaniment volume setting is "64."



NOTE

- *Press the [+] and [-] buttons simultaneously to reset the default song volume.*

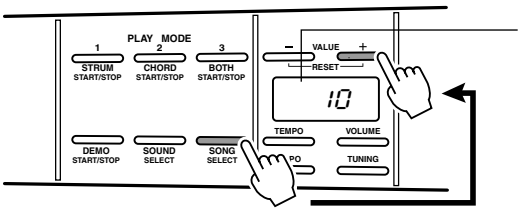
Play Along With the Songs

Try playing along with the songs using the EZ-AG's three play modes: STRUM (right hand), CHORD (left hand), and BOTH (both hands).

PLAY 1: STRUM

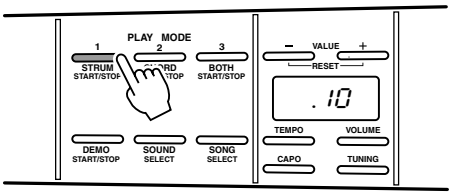
Play using only your right hand. Great for rhythm practice.

1 Press the [SONG] button and use the [+] and [-] buttons to select the song you want to play.



The song number will appear on the display.

2 Press the [STRUM] button to begin playback in the PLAY 1: STRUM mode.



The song will begin after count-in. Strum the EZ-AG strings with your right hand and the appropriate chords for the song will sound. In this mode the fret buttons have no effect on playback, so you can play anywhere with your left hand without changing the playback sound.

Press the [STRUM] button again to stop playback.

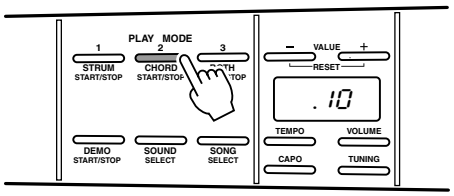
If you want the frets to glow (up to the sixth fret) to indicate the fingerings of the chords being played, press the [STRUM] button while simultaneously holding the [SOUND] and [SONG] buttons.

PLAY 2: CHORD

Play using only your left hand. Great for chord practice.

1 **Press the [SONG] button and use the [+] and [-] buttons to select the song you want to play.**

2 **Press the [CHORD] button to begin playback in the PLAY 2: CHORD mode.**



The song will begin after count-in. Finger the chords indicated by the glowing fret buttons. Playback will only proceed when you press all of the glowing fret buttons. Playing the EZ-AG strings in this mode has no effect on playback.

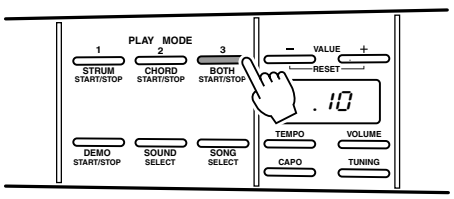
Press the [CHORD] button again to stop playback.

PLAY 3: BOTH

Once you've mastered the left and right-hand techniques using play modes 1 and 2, try playing using both hands.

1 **Press the [SONG] button and use the [+] and [-] buttons to select the song you want to play.**

2 **Press the [BOTH] button to begin playback in the PLAY 3: BOTH mode.**



The song will begin after count-in. Play with both your right and left hands in the same way you did in the STRUM and CHORD play modes to play the entire song as smoothly as possible.

Press the [BOTH] button again to stop playback.

Connecting To MIDI Devices

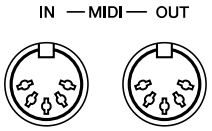
The EZ-AG features MIDI IN and OUT connectors that can be used to connect to other MIDI devices for expanded musical capabilities. It is also possible to load additional songs downloaded from the internet (URL provided below) into the EZ-AG via these connectors.

What is MIDI?

MIDI (Musical Instrument Digital Interface) is an international standard system that allows electronic musical instruments and related devices to communicate with and control one another. By connecting MIDI-compatible devices via standard MIDI cables, it becomes possible to transfer a variety of performance and setup data between devices for enhanced musical capabilities.

● **MIDI IN Connector**
Receives MIDI data from external MIDI devices.

● **MIDI OUT Connector**
Transmits MIDI data to external MIDI devices.



NOTE

- *MIDI cables are sold separately and are available from most musical instrument stores that handle electronic music gear.*
- *Excessively long MIDI cables can cause data errors. Use MIDI cables that are no longer than 15 meters.*

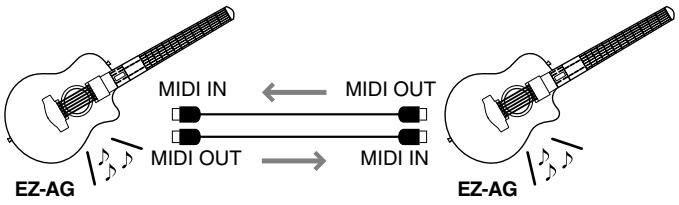
⚠ ***CAUTION***

- ***Make sure the power to external devices is turned off when connecting the EZ-AG. Then, when the required connections have been made, turn on the external device first and then the EZ-AG.***

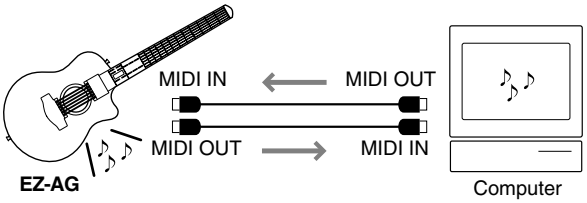
Some Example MIDI Applications

Using the EZ-AG's MIDI capabilities you can, for example, transfer performance data between two EZ-AGs, or between an EZ-AG and a MIDI-equipped personal computer to load songs into the EZ-AG.
Song data cannot be transmitted by the EZ-AG.

● Performance data transferred between two EZ-AGs.



● Song data downloaded from the internet can be loaded into the EZ-AG via computer.



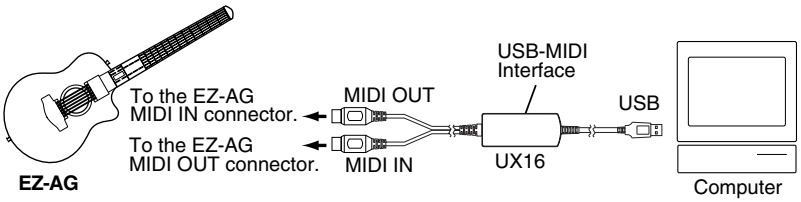
NOTE

- *Song data will not be transmitted via the instrument's MIDI OUT connector.*

Connecting To a Computer

The EZ-AG can be connected to a computer via MIDI.

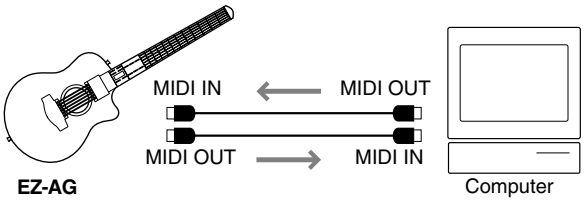
● To connect the EZ-AG to a computer that is equipped with USB connectors use a **USB-MIDI interface** such as the Yamaha UX16, as shown in the diagram below.



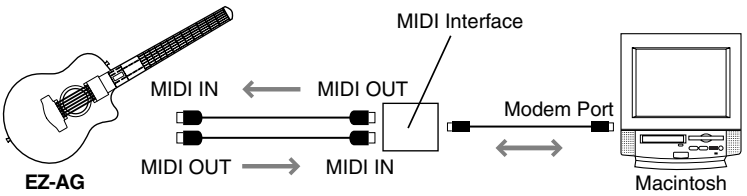
NOTE

• If you use the Yamaha UX16, be sure to install the supplied driver on your computer.

● The EZ-AG can be directly connected to a computer that has built-in MIDI connectors via standard MIDI cables, as shown in the diagram below.



● To connect the EZ-AG to a Macintosh computer that has **RS-422 ports (the serial Printer and Modem ports)** use a MIDI interface as shown in the diagram below.



NOTE

• When using a separate MIDI interface with a Macintosh computer as in this example, be sure to set the clock speed of the interface from the computer using the appropriate application software. See your software manual for details.

Loading Song Data Into the EZ-AG Using the Song Filer Application

In order to perform the operations described in this section you will need to use a computer connected to the internet to download the free Song Filer application from the URL listed below.
Song data can be loaded into the EZ-AG from your computer using the Song Filer application and played in the same way as the pre-programmed songs. In addition to EZ-AG song data, the EZ-AG can also load and play SMF (Standard MIDI File) song data. SMF song data cannot, however, be used in the EZ-AG PLAY MODE. Visit the PK CLUB home page (URL below) for downloadable song data.

Data Specifications For the EZ-AG Play Modes

Number of Songs ..... 99 max.
Data ..... 480 kilobytes total.
Data Format ..... XF File Format.

The total number of songs that can be loaded will depend on the data size of the songs. As an example, about four 100-kilobyte songs can be loaded.

■ Install the Song Filer

Access the following web page using a computer connected to the internet and, after reading the online instructions, install the Song Filer application.

PK CLUB Home Page Address
http://www.yamahapkclub.com/

System requirements for using the Song Filer are as follows:

[Windows]

OS	*: Windows 95/98/2000/Me/XP*
CPU	*: Pentium/100 MHz or higher*
RAM	*: 8 MB or more*
Hard Disk	*: 2 MB or more free*
Display	*: 800 x 600, 256 colors or more*

[Macintosh]

OS	*: Mac OS 7.5 through 9.2.2 (OS X not supported)*
CPU	*: Power PC or greater*
RAM	*: 8 MB or more*
Hard Disk	*: 2 MB or more free*
Display	*: 800 x 600, 256 colors or more*

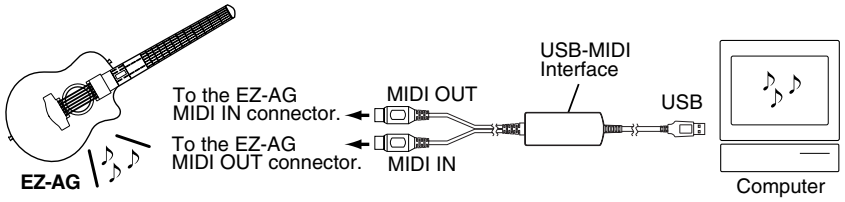
**Requirements as of June 2003.*

■ Using the Song Filer

After installing the Song Filer, connect the EZ-AG to your computer. After making the required connections and turning the EZ-AG on it will be possible to transfer song data from the computer to the EZ-AG.
Refer to the PK CLUB home page (URL listed above) for online instructions on using the Song Filer.

● Loading Data Into the EZ-AG

The song file data must be transmitted to the EZ-AG from the computer. Loaded song data will be stored in memory numbers "F-1, F-2, etc." following the pre-programmed song data (1 - 25).



● Deleting Loaded Songs From the EZ-AG

Songs can be deleted from the EZ-AG memory from the Song Filer application on the computer.

NOTE

- *Song data cannot be transferred from the EZ-AG to a computer. Be sure to save all song data you want to keep on your computer*

Turning Local Control On or Off

Local Control determines whether the EZ-AG plays its own internal tone generator (Local Control = ON), or whether performance data is transmitted via the MIDI OUT connector only, without playing the internal tone generator (Local Control = OFF).

● Local Control ON
This is the normal setting. In this state the EZ-AG's internal tone generator will play whatever is played on the strings and frets, as well as any MIDI data received via the MIDI IN connector.

● Local Control OFF
In this state the internal tone generator will not sound in response to playing the strings and frets, but the performance data will be transmitted via the MIDI OUT connector. The internal tone generator will play any MIDI data received via the MIDI IN connector.

1 **Simultaneously press the [CAPO] and [TUNING] buttons.**

2 **Set local control as required.**
Use the [+] and [-] buttons to turn local control on or off as required. [+] turns local control on, while [-] turns it off.

NOTE
- *Local control is always ON when the EZ-AG power is initially turned on.*

Setting the MIDI Clock

Normally EZ-AG song playback is synchronized to its own internal clock. Use this function when you want to synchronize EZ-AG playback to a MIDI clock signal from an external device.

● Internal Clock (Int)
This is the normal setting: EZ-AG song playback is synchronized to its own internal clock.

● External Clock (Etr)
The EZ-AG will be synchronized to a MIDI clock signal from a connected external device. Song and demo playback will not start if an appropriate external clock signal is not being received.

1 **Simultaneously press the [TEMPO] and [VOLUME] buttons.**

2 **Set the clock as required.**
Use the [+] and [-] buttons to set the clock mode as required. [+] selects "Int", while [-] selects "Etr".

NOTE
- *The clock is always set to "Int" when the EZ-AG power is initially turned on.*

Problem	Check
No sound.	Are the batteries properly installed? Are they run down? Is the volume set to “0”?
	Is a plug plugged into the PHONES/OUTPUT jack? Speaker output is automatically cut off when a plug is inserted into the PHONES/ OUTPUT jack.
	Is Local Control turned OFF? The EZ-AG will not produce any sound unless Local Control is turned ON.
The displays flicker on and off and don’t function normally.	Are the batteries run down?
Song playback will not start.	Is the MIDI clock set to “Etr”? Try setting it to “Int”.
The EZ-AG is picking up noise.	Are you using the EZ-AG near a mobile phone? Try turning the mobile phone off or moving it further away from the EZ-AG.

Memo

YAMAHA [EZ GUITAR] Date:11-June-2003
Model EZ-AG MIDI Implementation Chart Version : 1.0

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 - 6	1 - 16 *1	
	Changed	x	1 - 16 *1	
Mode	Default	3	3	
	Messages	x	x	
	Altered	**********	x	
Note Number	: True voice	28 - 88 **********	0 - 127 0 - 127	
Velocity	Note ON	o 9nH,v=1-127	o 9nH,v=1-127	
	Note OFF	o 9nH,v=0	o 9nH,v=0 or 8nH	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	o	
Control Change	0,32	o	o	Bank Select
	1	x	o	Modulation wheel
	6,38	x	o	Data Entry
	7	o	o	Part Volume
	10	o	o	Pan
	11	x	o	Expression
	64	x	o	Sustain
	71	x	o	Harmonic Content
	72	x	o	Release Time
	73	x	o	Attack Time
	74	x	o	Brightness
	84	o	o	Portamento Cntrl
	91,93,94	x	x	Effect Depth
	96,97	x	o	RPN Inc,Dec
	100,101	x	o *2	RPN LSB,MSB

Prog Change : True #	o 0 - 127 **********	o 0 - 127	
System Exclusive	o *3	o *3	
: Song Pos. Common : Song Sel. : Tune	x x x	x x x	
System : Clock Real Time: Commands	o o *4	o o *4	
Aux :All Sound OFF :Reset All Cntrls :Local ON/OFF :All Notes OFF Mes- :Active Sense sages:Reset	x x x x o x	o(120,126,127) o(121) o(122) o(123-125) o x	

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO o : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO x : No

MIDI Implementation Chart / MIDI-Implementierungstabelle /

NOTE:

****1*** *EZ-AG functions as a 16-channel multi-timbral tone generator, and incoming data does not affect the panel voices or panel settings. However, the MIDI messages listed below do affect the panel voices and songs.*
- *MIDI Master Tuning*

****2*** *Control change*
<RPN>
The EZ-AG receives and responds to the following messages.
- *Pitch Bend Range.*
- *Fine Tuning.*
- *Coarse Tuning.*

****3*** *Exclusive*
<GM System ON>
F0H, 7EH, 7FH, 09H, 01H, F7H
- *This message automatically restores all default settings for the instrument, with the exception of MIDI Master Tuning.*

<MIDI Master Volume>
F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
- *This message allows the volume of all channels to be changed simultaneously (Universal System Exclusive).*
- *The values of "mm" is used for MIDI Master Tuning. (Values for "ll" are ignored.)*

<MIDI Master Tuning>
F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
- *This message simultaneously changes the tuning value of all channels.*
- *The values of "mm" and "ll" are used for MIDI Master Tuning.*
- *The default value of "mm" and "ll" are 08H and 00H, respectively. Any values can be used for "cc."*

<EZ-AG Native Parameter Change>
F0H, 43H, 7FH, 00H, 00H, ll, mm, nn, F7H
- *The value which ll, mm and nn is Fuction ID, ctr 1 and ctr 2, respectively.*

Transmitted	Recognized			Function ID	ctr 1	ctr 2
X	O	Clock	Internal Clock	00	01	00
			External Clock	00	01	7F
O	X	Fret Switch on		01	str	kno
		Fret Switch off		02	str	kno
O	O	Fret LED on		03	str	kno
		Fret LED off		04	str	kno
O	X	String Data		05	str	vel
O	X	Switch Data (Control)	[+]ON	06	00	7F
			[+]OFF	06	00	00
			[-]ON	06	01	7F
			[-]OFF	06	01	00
O	X	Switch Data (Enter)	[SOUND]ON	07	00	7F
			[SOUND]OFF	07	00	00
			[SONG]ON	07	01	7F
			[SONG]OFF	07	01	00

[Note] **str** : string number(see below)
vel : velocity of played note(00 is muted)
kno : MIDI note number(see below)
The value which is **function ID, ctr 1, ctr 2, str** and **kno** are hexadecimal form.

str (String number) and kno (Note number)

String (str) \ Fret	0	1	2	3	4	5	6	7	8	9	10	11	12
1 00	40	41	42	43	44	45	46	47	48	49	4A	4B	4C
2 01	3B	3C	3D	3E	3F	40	41	42	43	44	45	46	47
3 02	37	38	39	3A	3B	3C	3D	3E	3F	40	41	42	43
4 03	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E
5 04	2D	2E	2F	30	31	32	33	34	35	36	37	38	39
6 05	28	29	2A	2B	2C	2D	2E	2F	30	31	32	33	34

****4*** *When the song is started, an FAH message is transmitted. When song is stopped, an FCH message is transmitted. When the clock is set to External, both FAH (song start) and FCH(song stop) are recognized.*

****5*** *Local ON/OFF*
<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
- *Value for "n" is ignored*

****6*** *Song data is not transmitted.*

HINWEIS:

****1*** *Das EZ-AG funktioniert als multi-timbraler 16-Kanal-Klangerzeuger, und eingehende Daten haben keinen Einfluß auf die Bedienfeld-Voices und die Bedienfeld-Einstellungen. Die im folgenden aufgeführten MIDI-Meldungen verändern jedoch die Bedienfeld-Voices und die Songs.*
- *MIDI Master Tuning*

****2*** *Steuerungswechsel*
<RPN>
Das EZ-AG empfängt die folgenden Meldungen und antwortet darauf.
- *Pitch-Bend-Bereich.*
- *Feineinstellung.*
- *Grobeinstellung.*

****3*** *Exclusive*
<GM System ON>
F0H, 7EH, 7FH, 09H, 01H, F7H
- *Durch diese Meldung werden automatisch alle Werksvorgaben des Instruments, mit Ausnahme des „MIDI Master Tuning" (der Gesamtstimmung), wieder hergestellt.*

<MIDI Master Volume> (MIDI-Gesamtlautstärke)
F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
- *Mit diesem Befehl kann die Lautstärke aller Kanäle gleichzeitig geändert werden (Universal System Exclusive).*
- *Die Werte für „mm" werden für MIDI Master Tuning verwendet. (Werte für „ll" werden ignoriert.)*

<MIDI Master Tuning>
F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
- *Durch diesen Befehl wird die Stimmung für alle Kanäle gleichzeitig geändert.*
- *Die Werte von „mm" und „ll" werden für das MIDI Master Tuning verwendet.*
- *Der Standardwert beträgt für „mm" 08H und für „ll" 00H. Für „cc" können beliebige Werte verwendet werden.*

<EZ-AG Native Parameter Change>
F0H, 43H, 7FH, 00H, 00H, ll, mm, nn, F7H
- *Der Wert für ll, mm und nn ist die Function ID, Ctrl 1 und Ctrl 2.*

Transmitted (Übertragen)	Recognized (Erkannt)			Function ID	Ctrl 1	Ctrl 2
X	O	Clock	Interne Clock (interne Taktsteuerung)	00	01	00
			Externe Clock (externe Taktsteuerung)	00	01	7F
O	X	Fret Switch on		01	str	kno
		Fret Switch off		02	str	kno
O	O	Fret LED on		03	str	kno
		Fret LED off		04	str	kno
O	X	String Data (Saitendaten)		05	str	vel
O	X	Switch Data (Schalterdaten) (Control)	[+]ON	06	00	7F
			[+]OFF	06	00	00
			[-]ON	06	01	7F
			[-]OFF	06	01	00
O	X	Switch Data (Schalterdaten) (Enter)	[SOUND]ON	07	00	7F
			[SOUND]OFF	07	00	00
			[SONG]ON	07	01	7F
			[SONG]OFF	07	01	00

[Note] **str** : Saitennummer (siehe unten)
vel : Anschlagsgeschwindigkeit der gespielten Note (00 ist stummgeschaltet)
kno : MIDI Notennummer (siehe unten)
Die Werte für **Function ID**, **ctrl 1**, **ctrl 2**, **str** und **kno** werden hexadezimal dargestellt.

str (Saitennummer) und kno (Notennummer)

String (str) \ Fret (Bund)	0	1	2	3	4	5	6	7	8	9	10	11	12
1 00	40	41	42	43	44	45	46	47	48	49	4A	4B	4C
2 01	3B	3C	3D	3E	3F	40	41	42	43	44	45	46	47
3 02	37	38	39	3A	3B	3C	3D	3E	3F	40	41	42	43
4 03	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E
5 04	2D	2E	2F	30	31	32	33	34	35	36	37	38	39
6 05	28	29	2A	2B	2C	2D	2E	2F	30	31	32	33	34

****4*** *Beim Starten des Songs wird eine FAH-Meldung gesendet. Beim Anhalten des Songs wird eine FCH-Meldung gesendet. Wenn die Clock (Taktsteuerung) auf „External" eingestellt wurde, werden sowohl der Befehl FAH (Start der Begleitung) als auch der Befehl FCH (Stopp der Begleitung) erkannt.*

****5*** *Local ON/OFF*
<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
- *Der Wert für „n" wird ignoriert.*

****6*** *Es werden keine Songdaten gesendet.*

REMARQUE :

****1*** *L'EZ-AG fonctionne comme un générateur de sons multi-timbre à 16 canaux. De ce fait, la réception de données n'affecte ni les voix, ni les réglages de panneau. Cependant, les messages MIDI répertoriés ci-dessous affectent les voix de panneau et les morceaux.*
- *MIDI Master Tuning (Accord général MIDI)*

****2*** *Changement de commande*
<RPN>
L'EZ-AG reçoit et répond aux messages suivants.
- *Pitch Bend Range (Plage de variation de ton)*
- *Fine Tuning (Réglage fin)*
- *Coarse Tuning (Réglage grossier)*

****3*** *Exclusifs*
<GM System ON>
F0H, 7EH, 7FH, 09H, 01H, F7H
- *Ce message rétablit automatiquement tous les réglages par défaut de l'instrument, à l'exception de la commande MIDI Master Tuning.*

<MIDI Master Volume> (Volume principal MIDI)
F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
- *Ce message autorise la modification simultanée du volume de tous les canaux (Universal System Exclusive).*
- *Les valeurs « mm » sont utilisées pour MIDI Master Tuning. (Les valeurs « ll » sont ignorées.)*

<MIDI Master Tuning>
F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
- *Ce message modifie simultanément la valeur de l'accordage de tous les canaux.*
- *Les valeurs « mm » et « ll » sont utilisées pour MIDI Master Tuning.*
- *Les valeurs par défaut de « mm » et « ll » sont 08H et 00H, respectivement. N'importe quelle valeur peut être utilisée pour « cc ».*

<EZ-AG Native Parameter Change> (Changement de paramètre natif de l'EZ-AG)
F0H, 43H, 7FH, 00H, 00H, ll, mm, nn, F7H
- *Les valeurs de ll, mm et nn sont Fuction ID, ctr 1 et ctr 2, respectivement.*

Transmis	Reconnu			Function ID	ctr 1	ctr 2
X	O	Horloge	Horloge interne	00	01	00
			Horloge externe	00	01	7F
O	X	Sélecteur de frette activ		01	str	kno
		Sélecteur de frette désactiv		02	str	kno
O	O	Voyant de frette activ		03	str	kno
		Voyant de frette désactiv		04	str	kno
O	X	Données des cordes		05	str	vel
O	X	Données des sélecteurs (Commande)	[+]ON	06	00	7F
			[+]OFF	06	00	00
			[-]ON	06	01	7F
			[-]OFF	06	01	00
O	X	Données des sélecteurs (Entrée)	[SOUND]ON	07	00	7F
			[SOUND]OFF	07	00	00
			[SONG]ON	07	01	7F
			[SONG]OFF	07	01	00

[Note] **str** : numéro de corde (voir ci-dessous)
vel : vélocité de la note jouée (00 est assourdie)
kno : Numéro de note MIDI (voir ci-dessous)
Les valeurs de **function ID**, **ctr 1**, **ctr 2**, **str** et **kno** sont au format hexadécimal.

str (Numéro de corde) et kno (Numéro de note)

Frette / Corde (str)	0	1	2	3	4	5	6	7	8	9	10	11	12
1 00	40	41	42	43	44	45	46	47	48	49	4A	4B	4C
2 01	3B	3C	3D	3E	3F	40	41	42	43	44	45	46	47
3 02	37	38	39	3A	3B	3C	3D	3E	3F	40	41	42	43
4 03	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E
5 04	2D	2E	2F	30	31	32	33	34	35	36	37	38	39
6 05	28	29	2A	2B	2C	2D	2E	2F	30	31	32	33	34

****4*** *Lors du lancement du morceau, un message FAH est envoyé. À l'arrêt du morceau, c'est un message FCH qui est transmis. Quand l'horloge est réglée sur External (Externe), les messages FAH (au lancement du morceau) et FCH (à l'arrêt du morceau) sont tous deux reconnus.*

****5*** *Local ON/OFF*
<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
- *La valeur « n » est ignorée.*

****6*** *Les données du morceau ne sont pas transmises.*

NOTA:

****1*** *El EZ-AG funciona como un generador de tonos de varios timbres de 16 canales y los datos de entrada no afectan a las voces ni a los ajustes del panel. Sin embargo, los mensajes MIDI enumerados a continuación sí afectan a las voces del panel y a las canciones.*
- *MIDI Master Tuning (Afinación principal MIDI)*

****2*** *Cambio de control*
<RPN>
El EZ-AG recibe y responde a los mensajes siguientes.
- *Pitch Bend Range (Margen de inflexión del tono)*
- *Fine Tuning (Afinación precisa).*
- *Coarse Tuning (Afinación poco precisa)*

****3*** *Exclusivo*
<GM System ON> (Sistema GM activado)
F0H, 7EH, 7FH, 09H, 01H, F7H
- *Este mensaje restituye automáticamente todos los ajustes iniciales del instrumento, a excepción de la afinación principal MIDI.*

<MIDI Master Volume> (Volumen principal MIDI)
F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
- *Este mensaje permite cambiar simultáneamente el volumen de todos los canales [Universal System Exclusive] (Exclusivo del Sistema Universal).*
- *Los valores de "mm" se usan para la afinación principal MIDI. (Los valores para "ll" se omiten).*

<MIDI Master Tuning> (Afinación principal MIDI)
F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
- *Este mensaje cambia simultáneamente el valor de afinación de todos los canales.*
- *Los valores de "mm" y "ll" se usan para la afinación principal MIDI.*
- *Los valores iniciales de "mm" y "ll" son 08H y 00H, respectivamente. Puede usarse cualquier valor para "cc".*

<EZ-AG Native Parameter Change> (Cambio de parámetros nativos del EZ-AG)
F0H, 43H, 7FH, 00H, 00H, ll, mm, nn, F7H
- *Valor cuyo ll, mm y nn es ID de función, ctr 1 y ctr 2, respectivamente.*

Transmitido	Reconocido			ID de función	ctr 1	ctr 2
X	O	Clock (reloj)	Internal Clock (reloj interno)	00	01	00
			External Clock (Reloj externo)	00	01	7F
O	X	Fret Switch on (Interruptor de trastes activado)		01	str	kno
		Fret Switch off (Interruptor de trastes desactivado)		02	str	kno
O	O	Fret LED on (LED de trastes activado)		03	str	kno
		Fret LED off (LED de trastes desactivado)		04	str	kno
O	X	String Data (Datos de cuerdas)		05	str	vel
O	X	Switch Data (Datos de interruptores) (Control)	[+]ON	06	00	7F
			[+]OFF	06	00	00
			[-]ON	06	01	7F
			[-]OFF	06	01	00
O	X	Switch Data (Datos de interruptores) (Enter)	[SOUND]ON	07	00	7F
			[SOUND]OFF	07	00	00
			[SONG]ON	07	01	7F
			[SONG]OFF	07	01	00

[Nota] **str** : número de cuerda (vea a continuación)
vel : velocidad de la nota tocada (00 silenciada)
kno : número de nota MIDI (vea a continuación)
Valor cuyo **ID de función**, **ctr 1**, **ctr 2**, **str** y **kno** tienen formato hexadecimal.

str (número de cuerda) y kno (número de nota)

Traste / Cuerda (str)	0	1	2	3	4	5	6	7	8	9	10	11	12
1 00	40	41	42	43	44	45	46	47	48	49	4A	4B	4C
2 01	3B	3C	3D	3E	3F	40	41	42	43	44	45	46	47
3 02	37	38	39	3A	3B	3C	3D	3E	3F	40	41	42	43
4 03	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E
5 04	2D	2E	2F	30	31	32	33	34	35	36	37	38	39
6 05	28	29	2A	2B	2C	2D	2E	2F	30	31	32	33	34

****4*** *Cuando se inicia la canción, se transmite un mensaje FAH. Cuando se detiene la canción, se transmite un mensaje FCH. Cuando el reloj se ajusta al modo externo, se reconocen tanto el FAH (inicio de canción) como el FCH (detención de canción).*

****5*** *Local ON/OFF (Local activado/desactivado)*
<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
- *El valor para "n" se omite.*

****6*** *Los datos de canciones no se transmiten.*

Song Chord Chart / Song-Akkordtabelle /

● Reading the Chord Charts

- The numbers marked at each position refer to the fingers that should be used to press the corresponding frets: ① index, ② middle, ③ ring, ④ little.
- Normally the leftmost fret in a chord diagram will be fret 1. When the leftmost fret is marked with a number, however, that will be the number of the leftmost fret.
- ① When the "barre" symbol appears, use the index finger to press all indicated fret buttons at once.

● Lesen der Akkordtabellen

- Die Nummern an den einzelnen Positionen geben die Finger an, mit denen die entsprechenden Bünde gedrückt werden sollen: ① Zeigefinger, ② Mittelfinger, ③ Ringfinger, ④ Kleiner Finger.
- Üblicherweise wird in einer Akkordtabelle der am weitesten links positionierte Bund als Bund 1 bezeichnet. Wenn dieser Bund abweichend von dieser Regel mit einer Nummer bezeichnet ist, dann bezeichnet diese Nummer den äußersten linken Bund.
- ① Wenn das „Barré"-Symbol angezeigt wird,drücken Sie alle Bund-Tasten gleichzeitig mit dem Ringfinger.

Song No.	Chord Names and Fret Positions Indicated During Playback / Akkordnamen und Bundpositionen werden während der Wiedergabe angezeigt
1	A, F♯m, F♯m7, D, E7sus4, E7, C♯7
	A7, F♯7, Bm, Bm7, C, G, Am7
	Em
2	G7sus4, G, C, F, D, C7, Bm
	Em, E7, E♭7, D7, B♭
3	A, F♯m, D, E
4	E7, A7, F♯7, A, G♯, C♯, B
	B7, B7sus4
5	G, Cadd9, Am7, C, D, Em, G7
	Cm, D7, Em7, Dadd9, Dm9
6	C, F7, G7, C♯6(9), C6(9)

Partition des accords de morceau / Gráfica de acordes de canciones

● Lecture des partitions d'accords

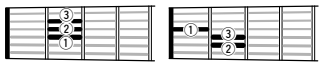
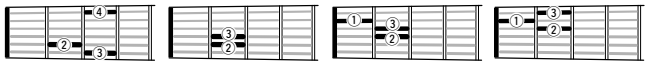
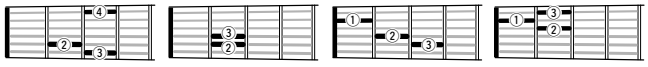
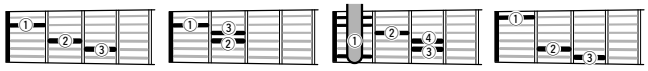
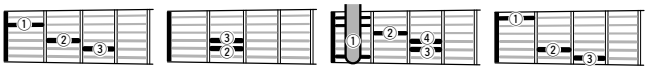
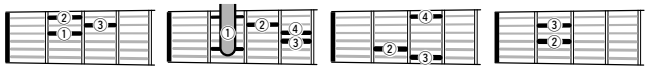
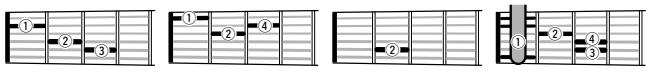
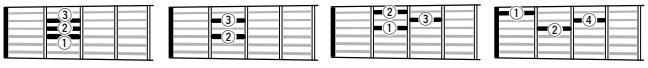
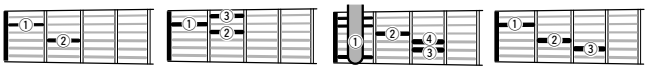
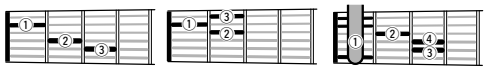
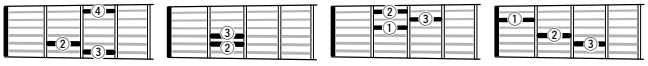
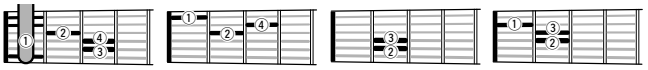
- Les numéros inscrits au niveau de chaque position indiquent les doigts à utiliser pour appuyer sur les frettes correspondantes : ① index, ② majeur, ③ annulaire, ④ auriculaire.
- Normalement, la frette située à l'extrême gauche de la représentation d'un accord correspond à la frette 1. Cependant, lorsqu'un nombre apparaît à côté, il indique le numéro de cette frette.
- Lorsque le symbole « barre » apparaît, utilisez l'index pour appuyer sur toutes les touches de frettes indiquées en même temps.

● Lectura de las gráficas de acordes

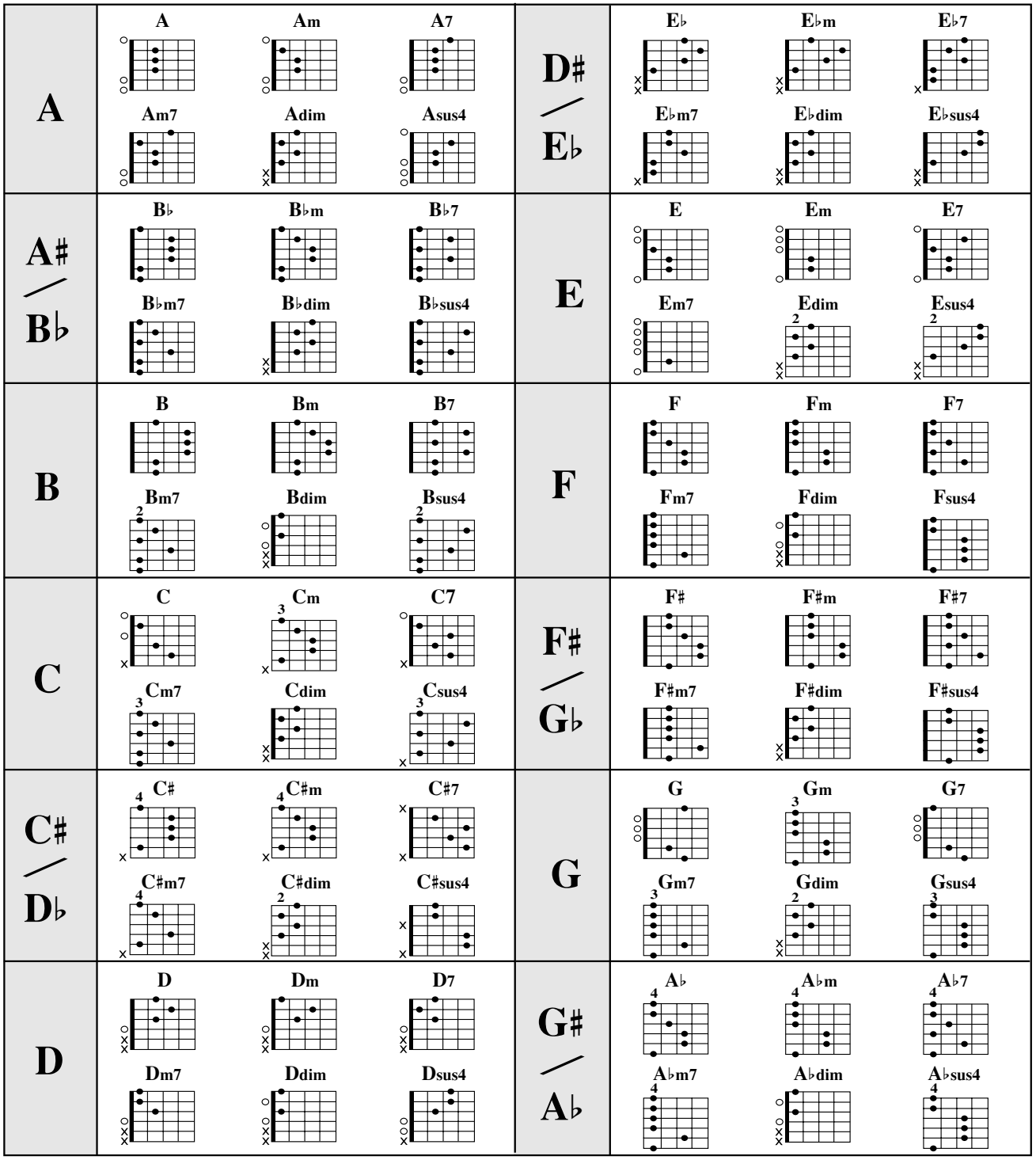
- Los números marcados en cada posición se refieren a los dedos que se deben utilizar para presionar los trastes correspondientes: ① índice, ② corazón, ③ anular, ④ meñique.
- Por lo general, el traste situado más a la izquierda en un diagrama de acordes es el traste 1. No obstante, cuando el traste situado más a la izquierda está indicado con un número, es el número del traste situado más a la izquierda.
- Cuando aparece el símbolo "barra", utilice el dedo índice para pulsar todos los botones de trastes indicados a la vez.

Song No.	Noms des accords et positions des frettes indiqués pendant la reproduction	Nombres de acordes y posiciones de trastes indicados durante la reproducción
7	G G7 Em C GM7 CM7 F7(9)	
	Dm7 B7 EmM7 Em7 A7 A7(9)	
8	B E Aadd9 A E7 F♯ C♯m	
	Bm7 G Am C♯m7	
9	E G A B D	
10	G C Am7 D7	
11	G B C B♭ A E D	
	F	
12	E G♯m G♯m7 C♯m C♯m7 AM7 Fdim7	
	F♯m7 B B7 B7sus4 A D♯m7(♭5) G♯7	
	Caug A♯m7(♭5) EM7	

Song Chord Chart / Song-Akkordtabelle / Partition des accords de morceau / Gráfica de acordes de canciones

13	 A E
14	 G Em Am D7
15	 G Em C D7
16	 C Am F G7
17	 C Em F G7
18	Em7 Am7 Dm7 G7
19	 D Bm G A7
20	 C Dm Em F
21	 A A7 D Dm
22	 Am7 D7 F C
23	 C D7 F
24	 G Em D C
25	 F Dm Em Am

Commonly-used Chords / Die am häufigsten gebrauchten Akkorde / Accords généralement utilisés / Acordes más comunes



Specifications / Technische Daten / Spécifications / Especificaciones

Strings	6
Frets	12
Displays	LED display, 6 x 6 fret LEDs
Sounds	9 guitar, 8 bass, 3 others
Play Modes	STRUM (right hand), CHORD (left hand), BOTH (both hands)
Controls	[STANDBY/ON] switch, [STRUM] button, [CHORD] button, [BOTH] button, [DEMO] button, [SOUND] button, [SONG] button, [TEMPO] button, [VOLUME] button, [CAPO] button, [TUNING] button, VALUE [+]/[-] buttons
Songs	25 (additional songs can be loaded into internal memory from a computer)
Tempo Range	32 - 280
Volume Range	0 - 127
Balance Range	0 - 127
Capo Range	0 - 6
Tuning	28 tuning settings in addition to normal
Connectors	DC IN 12V, PHONES/OUTPUT, MIDI IN and MIDI OUT
Maximum Output Power	3.3W (When using PA-3C AC adaptor) 1.4W (batteries)
PHONES/OUTPUT	Output impedance: 77Ω
Speaker	10 cm
Power Supply	PA-3C AC Power Adaptor Six 1.5V "AA" size, LR6 or equivalent batteries
Power Consumption	6.5 W (using the PA-3C)
Dimensions (w x d x h)	863 x 307 x 81 mm (34" x 12" x 3-1/4")
Weight	1.9 kg (4 lbs. 3oz.) (w/o batteries)

** 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.*

** Die technischen Daten und Beschreibungen in dieser Bedienungsanleitung dienen nur der Information. Yamaha Corp. behält sich das Recht vor, Produkte oder deren technische Daten jederzeit ohne vorherige Ankündigung zu verändern oder zu modifizieren. Da die technischen Daten, das Gerät selbst oder Sonderzubehör nicht in jedem Land gleich sind, setzen Sie sich im Zweifel bitte mit Ihrem Yamaha-Händler in Verbindung.*

** Les caractéristiques techniques et les descriptions du mode d'emploi ne sont données que pour information. Yamaha Corp. se réserve le droit de changer ou modifier les produits et leurs caractéristiques techniques à tout moment sans aucun avis. Du fait que les caractéristiques techniques, les équipements et les options peuvent différer d'un pays à l'autre, adressez-vous au distributeur Yamaha le plus proche.*

** Las especificaciones y descripciones de este manual del propietario tienen sólo el propósito de servir como información. Yamaha Corp. se reserva el derecho a efectuar cambios o modificaciones en los productos o especificaciones en cualquier momento sin previo aviso. Puesto que las especificaciones, equipos u opciones pueden no ser las mismas en todos los mercados, solicite información a su distribuidor Yamaha.*

Limited Warranty

90 DAYS LABOR **1 YEAR PARTS**

Yamaha Corporation of America, hereafter referred to as Yamaha, warrants to the original consumer of a product included in the categories listed below, that the product will be free of defects in materials and/or workmanship for the periods indicated. This warranty is applicable to all models included in the following series of products:

EZ-AG

If during the first 90 days that immediately follows the purchase date, your new Yamaha product covered by this warranty is found to have a defect in material and/or workmanship, Yamaha and/or its authorized representative will repair such defect without charge for parts or labor.

If parts should be required after this 90 day period but within the one year period that immediately follows the purchase date, Yamaha will, subject to the terms of this warranty, supply these parts without charge. However, charges for labor, and/or any miscellaneous expenses incurred are the consumers responsibility. Yamaha reserves the right to utilize reconditioned parts in repairing these products and/or to use reconditioned units as warranty replacements.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY WHICH YAMAHA MAKES IN CONNECTION WITH THESE PRODUCTS. ANY IMPLIED WARRANTY APPLICABLE TO THE PRODUCT, INCLUDING THE WARRANTY OF MERCHANT ABILITY IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY. YAMAHA EXCLUDES AND SHALL NOT BE LIABLE IN ANY EVENT FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations that relate to implied warranties and/or the exclusion of incidental or consequential damages. Therefore, these limitations and exclusions may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

CONSUMERS RESPONSIBILITIES

If warranty service should be required, it is necessary that the consumer assume certain responsibilities:

1. Contact the Customer Service Department of the retailer selling the product, or any retail outlet authorized by Yamaha to sell the product for assistance. You may also contact Yamaha directly at the address provided below.
2. Deliver the unit to be serviced under warranty to: the retailer selling the product, an authorized service center, or to Yamaha with an explanation of the problem. Please be prepared to provide proof purchase date (sales receipt, credit card copy, etc.) when requesting service and/or parts under warranty.
3. Shipping and/or insurance costs are the consumers responsibility.* Units shipped for service should be packed securely.

   *Repaired units will be returned PREPAID if warranty service is required within the first 90 days.

   IMPORTANT: Do NOT ship anything to ANY location without prior authorization. A Return Authorization (RA) will be issued that has a tracking number assigned that will expedite the servicing of your unit and provide a tracking system if needed.
4. Your owners manual contains important safety and operating instructions. It is your responsibility to be aware of the contents of this manual and to follow all safety precautions.

EXCLUSIONS

This warranty does not apply to units whose trade name, trademark, and/or ID numbers have been altered, defaced, exchanged removed, or to failures and/or damages that may occur as a result of:

1. Neglect, abuse, abnormal strain, modification or exposure to extremes in temperature or humidity.
2. Improper repair or maintenance by any person who is not a service representative of a retail outlet authorized by Yamaha to sell the product, an authorized service center, or an authorized service representative of Yamaha.
3. This warranty is applicable only to units sold by retailers authorized by Yamaha to sell these products in the U.S.A., the District of Columbia, and Puerto Rico. This warranty is not applicable in other possessions or territories of the U.S.A. or in any other country.

Please record the model and serial number of the product you have purchased in the spaces provided below.

Model_____ Serial #_____ Sales Slip #_____

Purchased from_____ Date_____
(Retailer)

YAMAHA CORPORATION OF AMERICA
Electronic Service Division
6600 Orangethorpe Avenue
Buena Park, CA 90620

KEEP THIS DOCUMENT FOR YOUR RECORDS. DO NOT MAIL!

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

Pour plus de détails sur les produits, veuillez-vous adresser à Yamaha ou au distributeur le plus proche de vous figurant dans la liste suivante.

Die Einzelheiten zu Produkten sind bei Ihrer unten aufgeführten Niederlassung und bei Yamaha Vertragshändlern in den jeweiligen Bestimmungsländern erhältlich.

Para detalles sobre productos, contacte su tienda Yamaha más cercana o el distribuidor autorizado que se lista debajo.

NORTH AMERICA

CANADA
Yamaha Canada Music Ltd.
135 Milner Avenue, Scarborough, Ontario, M1S 3R1, Canada
Tel: 416-298-1311

U.S.A.
Yamaha Corporation of America
6600 Orangethorpe Ave., Buena Park, Calif. 90620, U.S.A.
Tel: 714-522-9011

CENTRAL & SOUTH AMERICA

MEXICO
Yamaha de Mexico S.A. De C.V., Departamento de ventas
Javier Rojo Gomez No.1149, Col. Gpe Del Moral, Deleg. Iztapalapa, 09300 Mexico, D.F.
Tel: 55-5804-0600

BRAZIL
Yamaha Musical do Brasil LTDA.
Av. Rebouças 2636, São Paulo, Brasil
Tel: 011-3085-1377

ARGENTINA
Yamaha Music Latin America, S.A. Sucursal de Argentina
Viamonte 1145 Piso2-B 1053, Buenos Aires, Argentina
Tel: 1-4371-7021

PANAMA AND OTHER LATIN AMERICAN COUNTRIES/ CARIBBEAN COUNTRIES
Yamaha Music Latin America, S.A.
Torre Banco General, Piso 7, Urbanización Marbella, Calle 47 y Aquilino de la Guardia, Ciudad de Panamá, Panamá
Tel: +507-269-5311

EUROPE

THE UNITED KINGDOM
Yamaha-Kemble Music (U.K.) Ltd.
Sherbourne Drive, Tilbrook, Milton Keynes, MK7 8BL, England
Tel: 01908-366700

IRELAND
Danfay Ltd.
61D, Sallynoggin Road, Dun Laoghaire, Co. Dublin
Tel: 01-2859177

GERMANY
Yamaha Music Central Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: 04101-3030

SWITZERLAND/LIECHTENSTEIN
Yamaha Music Central Europe GmbH, Branch Switzerland
Seefeldstrasse 94, 8008 Zürich, Switzerland
Tel: 01-383 3990

AUSTRIA
Yamaha Music Central Europe GmbH, Branch Austria
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-60203900

THE NETHERLANDS
Yamaha Music Central Europe, Branch Nederland
Clarissenhof 5-b, 4133 AB Vianen, The Netherlands
Tel: 0347-358 040

BELGIUM/LUXEMBOURG
Yamaha Music Central Europe GmbH, Branch Belgium
Rue de Geneve (Genevastraat) 10, 1140 - Brussels, Belgium
Tel: 02-726 6032

FRANCE
Yamaha Musique France
BP 70-77312 Marne-la-Vallée Cedex 2, France
Tel: 01-64-61-4000

ITALY
Yamaha Musica Italia S.P.A.
Viale Italia 88, 20020 Lainate (Milano), Italy
Tel: 02-935-771

SPAIN/PORTUGAL
Yamaha-Hazen Música, S.A.
Ctra. de la Coruna km. 17, 200, 28230 Las Rozas (Madrid), Spain
Tel: 91-639-8888

GREECE
Philippos Nakas S.A. The Music House
147 Skiathou Street, 112-55 Athens, Greece
Tel: 01-228 2160

SWEDEN
Yamaha Scandinavia AB
J. A. Wettergrens Gata 1
Box 30053
S-400 43 Göteborg, Sweden
Tel: 031 89 34 00

DENMARK
YS Copenhagen Liaison Office
Generatorvej 8B
DK-2730 Herlev, Denmark
Tel: 44 92 49 00

FINLAND
F-Musiikki Oy
Kluuvikatu 6, P.O. Box 260, SF-00101 Helsinki, Finland
Tel: 09 618511

NORWAY
Norsk filial av Yamaha Scandinavia AB
Grini Næringspark 1
N-1345 Østerås, Norway
Tel: 67 16 77 70

ICELAND
Skifan HF
Skeifan 17 P.O. Box 8120
IS-128 Reykjavik, Iceland
Tel: 525 5000

OTHER EUROPEAN COUNTRIES
Yamaha Music Central Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: +49-4101-3030

AFRICA

Yamaha Corporation, Asia-Pacific Music Marketing Group
Nakazawa-cho 10-1, Hamamatsu, Japan 430-8650
Tel: +81-53-460-2312

MIDDLE EAST

TURKEY/CYPRUS
Yamaha Music Central Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: 04101-3030

OTHER COUNTRIES
Yamaha Music Gulf FZE
LB21-128 Jebel Ali Freezone
P.O.Box 17328, Dubai, U.A.E.
Tel: +971-4-881-5868

ASIA

HONG KONG
Tom Lee Music Co., Ltd.
11/F., Silvercord Tower 1, 30 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Tel: 2737-7688

INDONESIA
PT. Yamaha Music Indonesia (Distributor)
PT. Nusantik
Gedung Yamaha Music Center, Jalan Jend. Gatot Subroto Kav. 4, Jakarta 12930, Indonesia
Tel: 21-520-2577

KOREA
Yamaha Music Korea Ltd.
Tong-Yang Securities Bldg. 16F 23-8 Yoido-dong, Youngdungpo-ku, Seoul, Korea
Tel: 02-3770-0660

MALAYSIA
Yamaha Music Malaysia, Sdn., Bhd.
Lot 8, Jalan Perbandaran, 47301 Kelana Jaya, Petaling Jaya, Selangor, Malaysia
Tel: 3-78030900

PHILIPPINES
Yupangco Music Corporation
339 Gil J. Puyat Avenue, P.O. Box 885 MCPO, Makati, Metro Manila, Philippines
Tel: 819-7551

SINGAPORE
Yamaha Music Asia Pte., Ltd.
No.11 Ubi Road 1, No.06-02, Meiban Industrial Building, Singapore
Tel: 747-4374

TAIWAN
Yamaha KHS Music Co., Ltd.
3F, #6, Sec.2, Nan Jing E. Rd. Taipei. Taiwan 104, R.O.C.
Tel: 02-2511-8688

THAILAND
Siam Music Yamaha Co., Ltd.
121/60-61 RS Tower 17th Floor, Ratchadaphisek RD., Dindaeng, Bangkok 10320, Thailand
Tel: 02-641-2951

THE PEOPLE'S REPUBLIC OF CHINA AND OTHER ASIAN COUNTRIES
Yamaha Corporation, Asia-Pacific Music Marketing Group
Nakazawa-cho 10-1, Hamamatsu, Japan 430-8650
Tel: +81-53-460-2317

OCEANIA

AUSTRALIA
Yamaha Music Australia Pty. Ltd.
Level 1, 99 Queensbridge Street, Southbank, Victoria 3006, Australia
Tel: 3-9693-5111

NEW ZEALAND
Music Houses of N.Z. Ltd.
146/148 Captain Springs Road, Te Papapa, Auckland, New Zealand
Tel: 9-634-0099

COUNTRIES AND TRUST TERRITORIES IN PACIFIC OCEAN
Yamaha Corporation, Asia-Pacific Music Marketing Group
Nakazawa-cho 10-1, Hamamatsu, Japan 430-8650
Tel: +81-53-460-2312

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http://www.yamahaPKclub.com/

Yamaha Manual Library
http://www2.yamaha.co.jp/manual/english/

HEAD OFFICE

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