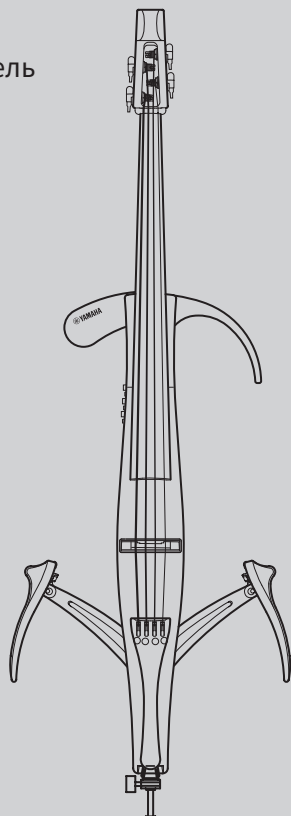


SILENT *Cello*™

SVC300C

Electric Cello
Violoncelle électrique
Электрическая виолончель
电大提琴
電大提琴



取扱説明書

Owner's Manual

Benutzerhandbuch

Mode d'emploi

Manuale di istruzioni

Manual de instrucciones

Manual do Proprietário

Руководство пользователя

使用说明书

使用説明書

사용설명서

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 cannot locate the appropriate retailer, please contact Yamaha Corporation of America, 6600 Orangethorpe Avenue, Buena Park, CA 90620, U.S.A.

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

(529-M04 FCC class B YCA 02)

COMPLIANCE INFORMATION STATEMENT (Supplier's declaration of conformity procedure)

Responsible Party: Yamaha Corporation of America
Address: 6600 Orangethorpe Avenue,
Buena Park, CA. 90620, U.S.A.
Telephone: 714-522-9011
Type of Equipment: Electric Cello
Model Name: SVC300C

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

(529-M02 FCC sdoc YCA 02)

IMPORTANT

Please record the serial number of this unit in the space below.

Model

Serial No.

This serial number is located on the bottom or rear of the unit.

Retain this Owner's Manual in a safe place for future reference.

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

(Ser.No)

Introduction

Thank you for purchasing the Yamaha SILENT Cello™ SVC300C.

This product is a completely new type of cello, with a simple body structure consisting of only a frame, providing both silent play and portability—allowing you to practice anywhere, even at night, by using headphones.

Although its simple structure does not have the resonating body of a conventional instrument, the newly installed SRT POWERED system* reproduces the natural sound and timbre of an acoustic instrument.

In order to obtain maximum performance and enjoyment from this product, we urge you to read this Owner's Manual thoroughly before using the instrument. After reading the Owner's Manual, keep it together with the warranty card in a safe place for later reference.

- * "SILENT cello™" and the SILENT *Cello*™ logo are registered trademarks of Yamaha Corporation.
- * SRT POWERED system: Technology that simulates and adds in real time the sound of the cello's inherent body resonance, recorded in a studio with a high-quality microphone.

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PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe and handy place for future reference.



WARNING

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

Do not disassemble

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

Water warning

- Do not expose the product to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings or places where water may drop. A liquid such as water getting into the product may cause fire, electric shock, or malfunctions.
- Use the AC adaptor indoors only. Do not use it in any wet environments.

If you notice any abnormality

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

Power supply

- Use only the correct voltage specified for the product. The required voltage is printed on the name plate of the product.
- Use only the specified AC adaptor (page 24).
- Never insert or remove an electric plug with wet hands.
- Check the power plug periodically and remove any dirt or dust which may have accumulated on it.
- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Do not connect the product to an electrical outlet using a multi-plug outlet extender. Doing so can result in lower sound quality, or possibly cause fire at or around the outlet.
- Do not touch the product or the electric plug during an electrical storm.



CAUTION

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

Power supply

- If not using the product for long periods of time, be sure to pull the power plug from the AC outlet.
- Insert the power plug firmly all the way into the AC outlet. Using the product when it is not plugged in sufficiently can cause dust to accumulate on the plug, possibly resulting in fire or skin burns.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet.
- When disconnecting the power plug, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shock or fire.

Battery

- Follow the precautions below. Failure to do so could result in fire, overheating, leakage, or malfunction causing burns or injury.
 - Use the specified battery type (page 24) only.
 - Do not use new batteries together with old ones.
 - Do not mix battery types.
 - Always make sure all batteries are inserted in conformity with the +/- polarity markings.
 - When the batteries run out, or if the product is not to be used for a long time, remove the batteries from the product.
- Do not attempt to recharge batteries that are not designed to be charged. Doing so could result in rupture or leakage causing injury, etc.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.
- Keep batteries away from children. A child could accidentally swallow a battery. Failure to observe this may also cause inflammation due to battery fluid leakage.

- Do not disassemble batteries. Doing so could result in fire, overheating, rupture, explosion, or leakage, causing burns or injury.
- Do not dispose of a battery in a fire.
- Do not expose the battery to conditions of extreme low air pressure, cold or heat (such as in direct sunlight or a fire). Doing so may result in the battery rupturing or exploding, and cause fire or injury.
- When using rechargeable batteries, follow the instructions that came with the batteries. Use only the specified charger device and within the specified charging temperature range when charging. Charging with an unspecified charger or at a temperature outside the range may cause leakage, overheating, rupture, or malfunction.
- Do not put batteries in a pocket or bag, or carry or store them together with pieces of metal. Batteries kept in such condition could short, rupture, or leak, causing fire or injury.
- When storing or discarding batteries, insulate the terminal area by applying tape, or some other protection. Mixing them with other batteries or metal objects can cause fire, burns, or inflammation due to fluid.

Connections/Location

- Before connecting the product to other electronic components, turn off the power for all components. Also, before turning the power on or off for all components, set all volume levels to minimum.
- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.
- Handle the neck and the body when moving the instrument. Handling the instrument by only the side plate unit could result in malfunction to the side plate unit.
- Before moving the product, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the product to set the desired listening level.

Handling


- When moving any movable parts, be careful not to pinch your fingers or hands, to avoid possible injury.
- Do not use the product or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.
- Keep small parts out of the reach of children, since they may accidentally swallow them.
- Do not insert your finger or hand in any gaps on the product. Also take care that the arm support and the optional accessories do not pinch your fingers. Failure to do so might result in injury.
- Do not rest your weight on, or place heavy objects on the product, and do not use excessive force on the buttons, switches or connectors.
- When changing or adjusting strings, do not put your face close to the instrument. The string may suddenly break resulting in unexpected injury to your eyes, face, etc.
- Use caution when changing strings. The ends of the strings are sharp and can pierce your skin.

About the Supplied Soft Case

- Do not swing the supplied soft case or the strap. Doing so could cause an accident.

Notice

■ Handling this product

- Do not expose to direct sunlight (in a car during the day), high temperatures such as near a stove, or extremely low temperatures, and do not expose to vibrations or dust, in order to prevent damage to the internal components or panel disfiguration.
- Use/store the instrument in environments with a constant moderate humidity and temperature. Wooden instruments are very delicate. Using/storing the instrument in an excessively dry environment may cause the frame and other parts to crack.
- Never return the signal sent from Silent Cello's outputs directly, or via an external device to the AUX IN jack. Doing so can result in a feedback loop that may result in damaging the instrument's electronics.
- Do not use close to electronics such as speakers, TV, and radio. The instrument's electronic circuits may cause noise in the TV or radio.
- Do not place any vinyl or plastic objects on the product.
- Always turn the power off when the product is not in use. Even when the [] (power key) switch is in standby status (power LED is off/ status is off), electricity is still flowing to the product at the minimum level.
- When disposing of this product, please contact the appropriate local authorities.
- Make sure to discard used batteries according to local regulations.

■ Maintenance

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

■ About the supplied soft case

- Do not use the supplied soft case to store any other instrument not intended for use with the supplied case.
- Do not drop or subject the supplied soft case to strong shock with the instrument stored inside. Doing so may damage the instrument.
- Do not expose the supplied soft case to direct sunlight (such as in a car during the day), or extremely high temperatures (such as close to a heater). Doing so may result in discoloration or deterioration.
- Do not place near oils or chemicals. They may deteriorate the cover.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the product.

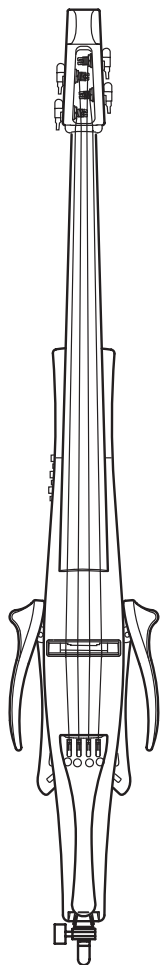
■ Information

- The illustrations and screens as shown in this document are for instructional purposes only.

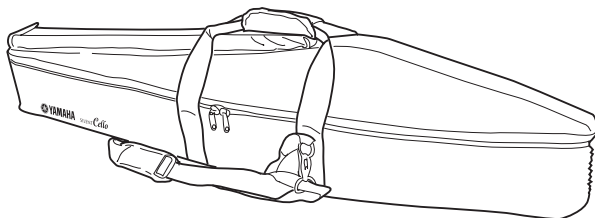
Included Items

Make sure that the following items are included in the package.

- Cello x 1



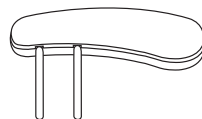
- Soft case x 1



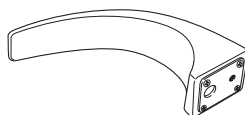
- Bridge x 1



- Chest support x 1



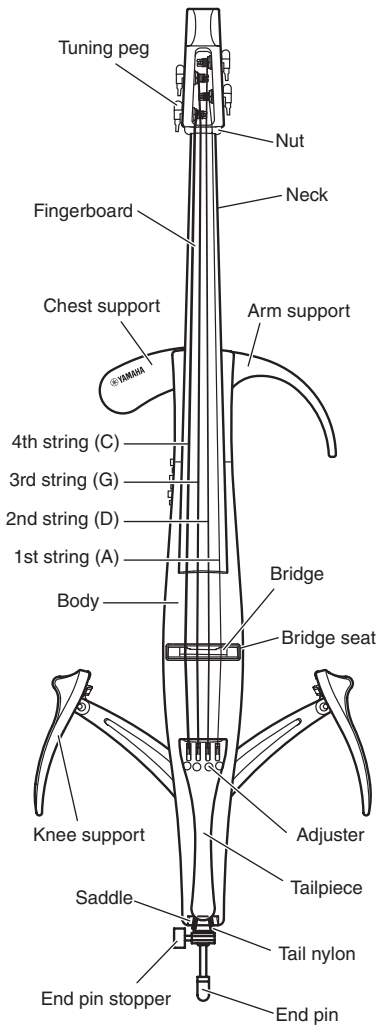
- Arm support x 1



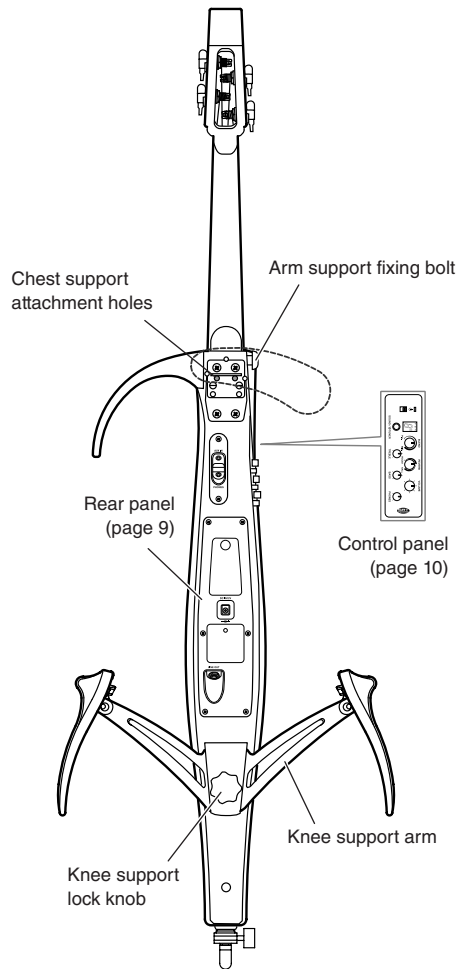
- * Power Adaptor (sold separately): Yamaha PA-130
- * Two AA batteries (alkaline or nickel-metal hydride) are required to play the SVC300C.

Part Names

● Front

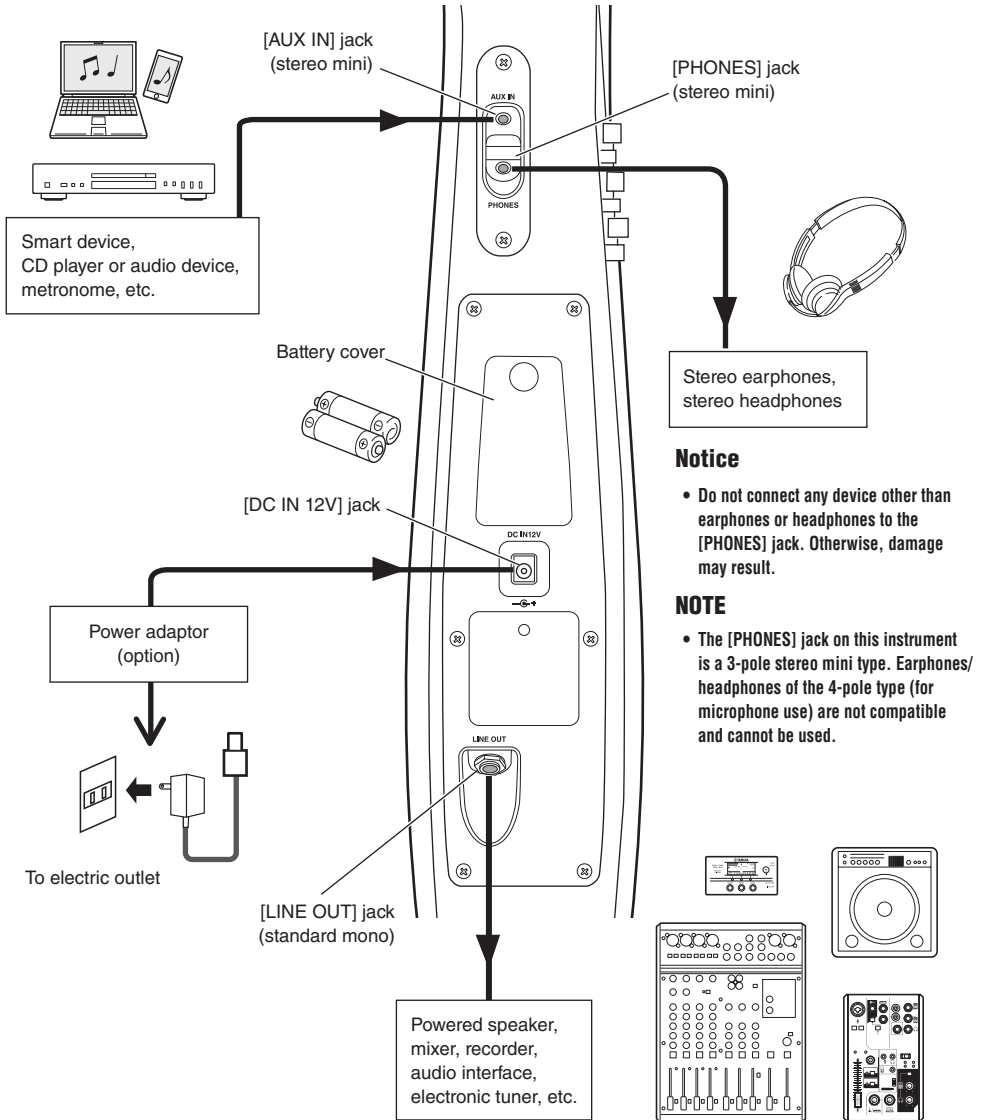


● Rear



● Rear Panel

A power supply and external devices can be connected here.

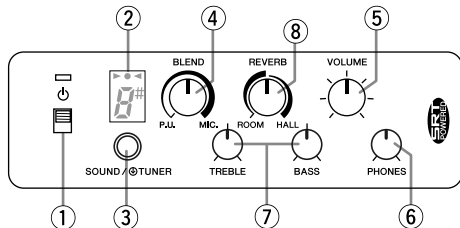


When connecting the instrument to external audio equipment, check the jack size and use a cable with a corresponding plug size, and then properly insert the plug into the jack.

Part Names

● Control Panel

This section conveniently provides all controls for the instrument's functions.



① Power switch

For switching the SILENT Cello™ between on and standby. When the instrument is turned on, it automatically enters play mode.



- Before switching between on and standby, be sure to lower the output volume of connected amplifiers, powered speakers, etc., or set them to standby.
- Before switching between on and standby, be sure to remove earphones or headphones from your ears.

② Display

Displays the on/standby status, tuning status, battery level warnings, etc.

On: Center green round indicator lights up ▶ ● ◀

Low battery warning: Triangular indicators flash alternately.



③ [SOUND/TUNER] button

For selecting sounds, switching from Play mode to Tuner mode, and enabling/disabling the Auto Power Off function.

■ Selecting a Sound

The built-in SRT POWERED system featured on this instrument simulates the sound of the cello's body resonance recorded in a studio with a high-quality microphone, recreating the natural body resonance of a cello.

Each press of the button switches between the two sound types (page 17).

■ Switching to Tuner Mode

With the instrument turned on, hold down this button to enter the Tuner mode, allowing you to tune the instrument (page 19) without the need for a separate device. Press this button again to return to Play mode.

④ [BLEND] knob

For adjusting the level balance of the performance sound (original sound) captured by the built-in pickup and the sound (simulated body resonance sound) selected with the [SOUND/TUNER] button (page 17).

⑤ [VOLUME] knob

For adjusting the volume of the LINE OUT output.

NOTE

- Audio from the [AUX IN] jack is not output through the [LINE OUT] jack.

⑥ [PHONES] knob

For adjusting the volume of earphones/headphones connected to the [PHONES] jack.

NOTE

- If while playing strongly the sound is distorted, rotate the [VOLUME] and [PHONES] knobs to the left to lower the volume.

⑦ Tone controls

These control the overall tone of the SILENT Cello™ by letting you adjust the frequency responses in the high and low ranges (page 18).

[TREBLE] knob: For adjusting the level of the high range.

[BASS] knob: For adjusting the level of the low range.

⑧ [REVERB] knob

For switching between the two types of reverb effects as well as adjusting the intensity of the effect (page 18).

● **ROOM:** This reverb effect simulates the natural reverberation of a room.

● **HALL:** This reverb effect simulates the natural reverberation of a concert hall.

Setup

■ Tuning/Changing Strings

The SILENT Cello™ is shipped from the factory without the bridge set up. After setting up the bridge, proceed with tuning.



- The ends of the strings are sharp and can pierce your skin. Use caution when changing strings.
- When changing or adjusting a string, do not put your face close to the instrument. The string may suddenly break resulting in unexpected injury to your eyes, face, etc.

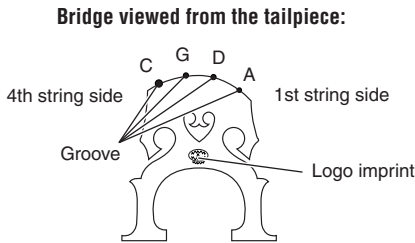
NOTE

- As strings get older, their sound quality deteriorates, and the instrument can no longer be tuned correctly. Change the strings as soon as you think that they are getting old.

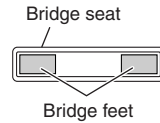
● Setting Up the Bridge

The lower side of the bridge supports the 1st string (A), the higher side supports the 4th string (C). The side of the bridge with the logo imprint should face the tailpiece.

1. While making sure that the bridge is oriented correctly, set up the bridge so that its feet do not touch the sides of the bridge seat.

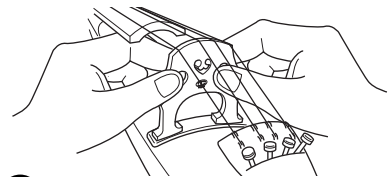
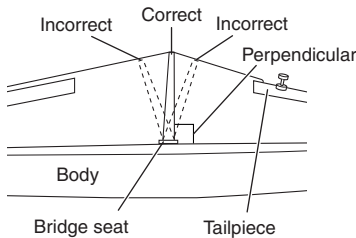


Bridge placement location:



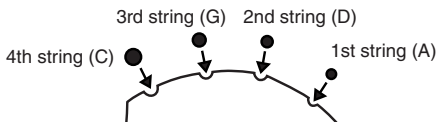
- ! Do not allow the bridge feet to touch the sides of the bridge seat.

2. Make sure that the bridge stands vertically. If it leans to one side, use both hands to adjust it.



- ! Make sure that the bridge stands vertically.

3. Make sure that each string sits firmly in the corresponding groove in the bridge.



Setup

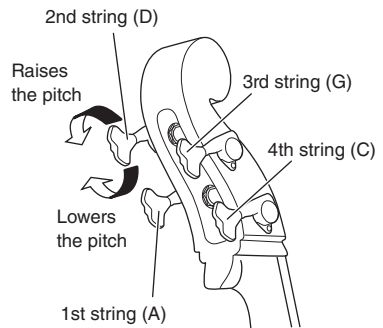
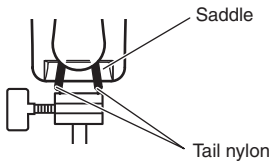
Important

- Before playing the instrument, make sure that the strings are seated in their corresponding grooves in the bridge. Strings may come out of their grooves when the bridge is adjusted or strings are changed. Since the 1st (A) and 4th (C) strings tend to come out of their grooves more easily than the others, lightly press them against the bridge with your fingers while tuning.
- Always keep the bridge perpendicular to the body, whether the instrument is being played or stored. Even if the bridge is standing vertically before tuning, it may tilt during the tuning process. It may also become tilted during storage. If so, readjust the bridge so it stands vertically.

● Tuning

The 1st string is A, the 2nd string D, the 3rd string G, and the 4th string C.

1. Using a piano, tuning fork, tuner, etc., adjust the pitch of each string with its tuning peg. Make sure that the tail nylon is correctly positioned on top of the saddle.
2. If necessary, fine-tune the string by turning the tailpiece adjuster by hand.



Notice

- Do not loosen the adjuster too much. If you do so, noise may be produced while the instrument is being played.
- Before using the instrument, make sure that the bridge stands vertically. Damage to the bridge and poor sound quality may result if the bridge is not properly positioned.

NOTE

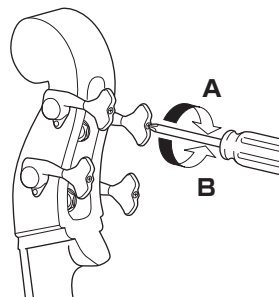
- When the instrument is not being used, loosen the strings until the pitch drops a whole tone. If the instrument is not going to be used for an extended period of time, loosen the strings even more to prevent bending of the neck.



● Adjusting the Tuning Peg Torque

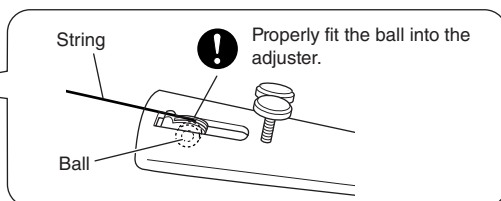
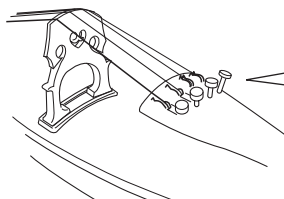
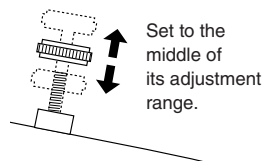
The force (torque) required to turn the tuning peg can be adjusted by using a Phillips screwdriver to turn the tension adjustment screw on the end of the tuning peg.

- If the torque is low and the tuning peg turns with very little force:
→ Turn the adjustment screw to the right (clockwise: A).
- If the torque is high and the tuning peg is hard to turn:
→ Turn the adjustment screw to the left (counterclockwise: B).

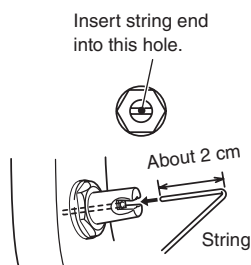


● Winding the Strings (Refer to this when changing strings.)

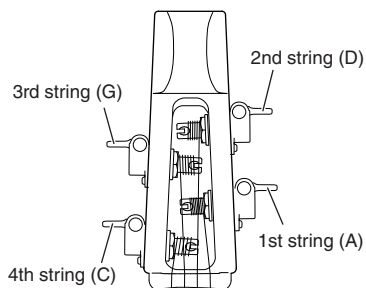
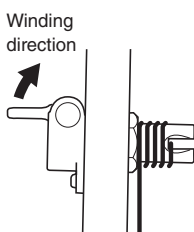
1. Before threading the string, set the corresponding adjuster to the middle of its adjustment range (for all strings).
2. Slot the ball (on the end of the string) into the adjuster. Make sure that ball properly fits into the adjuster.



3. At a point about 2 cm from the string's end, bend the string at a right angle, and then insert the end into the hole in the tuning peg.
4. While pulling the string toward the bridge to maintain string tension, turn the tuning peg to wind the string around the tuning post. Make sure that the string is wound toward the base of the post as shown in the illustration below.



Viewed from the front

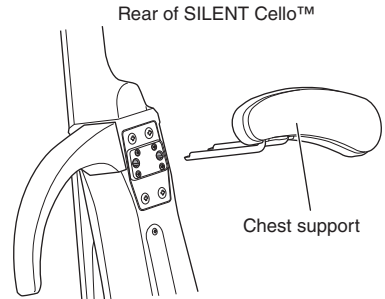


Setup

■ Attaching the Chest Support

The supplied chest support is used to rest the cello against your body.

As shown in the illustration, insert the pins on the chest support into the attaching holes in the rear of the instrument. Make sure that the chest support is installed in the correct orientation.



■ Adjusting the End Pin

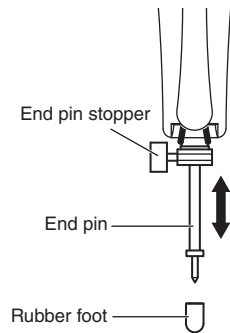
1. Loosen the end pin stopper, and then extend the end pin.
2. Firmly tighten the end pin stopper when the end pin is at a comfortable length for playing.

NOTE

- A rubber foot is attached to the tip of the end pin. Removing the rubber foot exposes the pointed end pin, which can be used on appropriate surfaces.

Notice

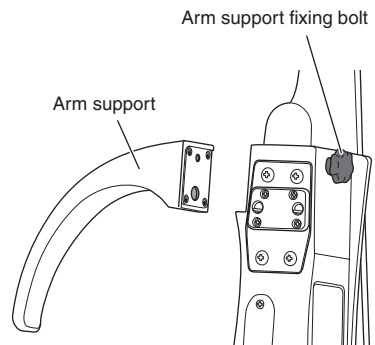
- The end pin is pointed and sharp. Be extremely careful using and standing up the instrument when the end pin is exposed.
- Make sure that the end pin stopper is firmly tightened in order to prevent the instrument from slipping while it is being played.



■ Attaching the Arm Support

The SILENT Cello™ is shipped from the factory with the arm support detached.

1. Hold the arm support so that its attachment plate is parallel to the attachment position on the body, and then tighten the arm support fixing bolt to hold the arm support in place.
2. Firmly tighten the arm support fixing bolt to secure the arm support to the body.



Notice

- Make sure that the arm support is securely attached. If it is loose, noise may be produced or the instrument may move about while being played.
- Do not try to forcefully remove the arm support fixing bolt from the instrument.
- Do not carry the instrument by the arm support. Always carry the instrument by the neck or body.

■ Setting up the Knee Supports

The SILENT Cello™ is shipped from the factory with the knee supports folded up.

Before playing, follow the procedure below to properly set up the knee supports.

1. Loosen the knee support lock knob (about 3 turns).

Do not loosen the knee support lock knob too much.

2. Slowly unfold the knee support arm on each side of the instrument until they are fully unfolded.

If the arm is stuck and cannot be unfolded, loosen the knee support lock knob a little more.



- Use caution when unfolding/folding up the knee support arms. Do not pinch your hand or fingers in the arms.

3. Tighten the knee support lock knob to firmly secure the knee support arms in place.

Notice

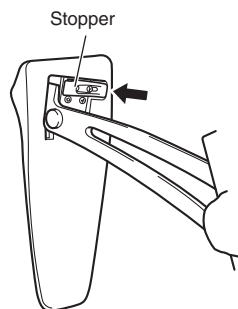
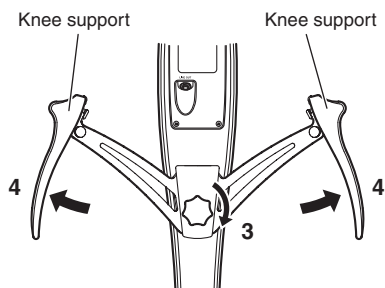
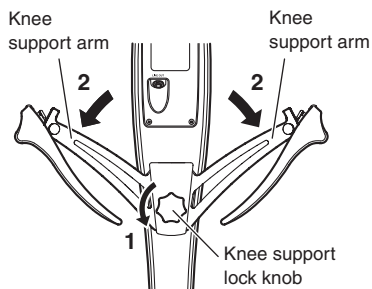
- Make sure that the knee support lock knob is firmly tightened. If it becomes loose, noise may be produced or the instrument may move about while being played.
- Do not tighten the knee support lock knob unless the knee support arms are fully unfolded or fully folded up. Tightening it in any other state may damage the mechanism and cause malfunction.
- Due to the construction, tightening the lock knob while the arms are folded up will not lock the arms in place.

4. Slowly unfold the knee supports until they are fully unfolded.

5. Slide the stopper (on the inner side of the knee support) over the arm to lock the knee support in place. Be sure to secure each knee support with its stopper.

This completes the setup of the knee supports.

To fold up the knee supports, simply reverse the procedure described above.



- Do not carry the instrument by the knee supports. Always carry the instrument by the neck or body.

Power Supply

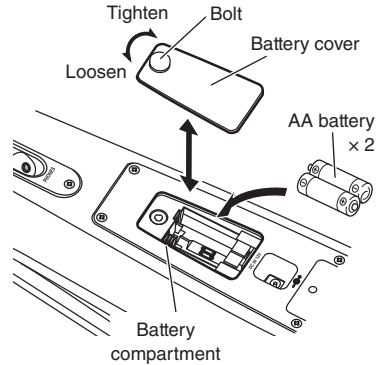
The SILENT Cello™ can be operated with either batteries or AC power. Before installing batteries, use the power switch on the control panel to set the instrument to standby.

■ Powering with Batteries

1. Remove the battery cover on the rear panel by slightly loosening the bolt.
2. Insert two AA alkaline or nickel-metal hydride batteries, correctly oriented according to the markings inside the battery compartment. (Refer to the illustration.)
3. Fit the battery cover in place, and then firmly tighten the bolt.

● When to Replace the Batteries

When the battery level is low and the triangular indicators in the display flash alternately (▶ ◯ ◀ ⇄ ▶ ◯ ◀), replace the batteries as soon as possible. With nickel-metal hydride batteries, this feature may not function properly due to the discharge characteristics of the batteries.



Caution

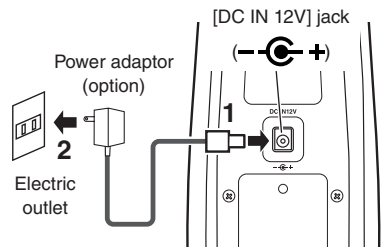
- Replace both batteries at the same time. Do not mix new and old batteries or batteries of different types (different manufacturers or different types from the same manufacturer). Otherwise, overheating, fluid leakage or rupture may result.
- Do not disassemble batteries or throw them into a fire.
- When repeatedly reusing nickel-metal hydride batteries, be careful when inserting and removing them from the battery compartment so as not to damage the battery casing or terminals.
- Do not touch leaking battery fluid. If battery fluid gets into your eyes or mouth or on your skin, immediately rinse it off with water and seek medical attention.
- Dispose of batteries in accordance with local laws and regulations.

■ Supplying AC Power

1. Purchase a power adaptor (sold separately).
 - Specified power adaptor: PA-130
2. Connect the power adaptor (sold separately) with the [DC IN 12V] jack on the rear panel in the order shown in the illustration.

NOTE

- When removing the power adaptor, first turn off the instrument, and then remove the adaptor in the reverse order.



Warning

- Be sure to use only the specified power adaptor (i.e., PA-130). The use of an incompatible adaptor may result in damage to the instrument or cause fire, etc. Be aware that in such cases, we may not be able to service the product under warranty, even within the warranty period.



Caution

- Battery power is automatically disconnected when the AC adaptor is connected. When the AC adaptor is used, the batteries may leak. To prevent leakage, we recommend removing the batteries from the instrument when the AC adaptor is used.

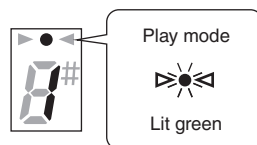
Basic Operations

■ Playing with Headphones

1. Rotate the [VOLUME] knob to the left to set the volume to its minimum.
2. Connect headphones/earphones to the [PHONES] jack on the rear panel.
3. Turn on the instrument by setting the power switch on the control panel to the on position (the small window above the switch changes to green). The instrument enters Play mode, and the indicator in the display lights up in green.
4. Put the headphones/earphones on both ears.
5. While playing, rotate the [PHONES] knob to adjust the volume to a comfortable level.

NOTE

- Rotating the [VOLUME] knob does not change the headphone volume. Adjust the headphone volume with the [PHONES] knob and the volume from the [LINE OUT] jack with the [VOLUME] knob.
- The [PHONES] jack on this instrument is a 3-pole stereo mini type. Earphones/headphones of the 4-pole type (for microphone use) are not compatible and cannot be used.



- Do not use headphones at high volume levels for long periods of time. Otherwise, irreparable damage to your hearing may result.

■ Creating a Natural Cello Sound

The SRT POWERED system that this instrument is equipped with simulates the sound of the cello's body resonance recorded in a studio with a high-quality microphone, recreating the natural body resonance of a cello.

Select your favorite sound from the two types available in order to create a natural timbre.

- **Sound 1: This is based on the sound that the player hears when playing an acoustic cello. It is ideal when using this instrument for practicing.**
- **Sound 2: This is based on the sound of an acoustic cello recorded with a microphone. It is ideal when using this instrument for recording and streaming.**

1. Selecting a Sound

With the instrument turned on, press the [SOUND/TUNER] button on the control panel to select the sound. Each press of the button toggles between the two types of sounds and switches the number that appears in the display (1 → 2 → 1 ...).



SOUND /  TUNER



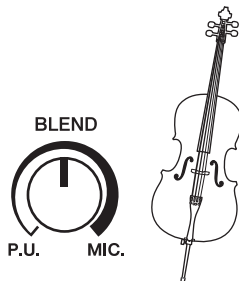
Basic Operations

2. Creating a Natural Timbre Balance

Adjust the level balance of the performance sound (original sound) captured by the built-in pickup and the sound (simulated body resonance sound) selected in step 1.

While playing, adjust the balance with the [BLEND] knob on the control panel in order to create the desired natural timbre.

When the [BLEND] knob is rotated all the way to the left, 100% of the sound is from the pickup (original sound); when rotated all the way to the right, 100% of the sound is the simulated body resonance.



■ Using Reverb Effects

Try applying a reverb effect to make the SILENT Cello™ sound resonate as if you were playing in a large space such as a concert hall.

Rotate the [REVERB] knob on the control panel to switch between the two types of reverb effects as well as adjust the intensity.

When the knob is rotated all the way to the left, the effect is turned off.

As the knob is rotated to the right, the effect becomes stronger, and as soon as it switches to the next effect, the effect starts at its weakest. Further rotating the knob to the right gradually increases the effect.



- **ROOM:** This reverb effect simulates the natural reverberation of a room.
- **HALL:** This reverb effect simulates the natural reverberation of a concert hall.

■ Using the Tone Controls

Use the two tone controls on the control panel to adjust the tone of the SILENT Cello™.

Normally, each knob would be set in the center, then rotated as needed to increase or decrease the level to the desired setting within the range.



[TREBLE] knob

For adjusting the level of the high range. Peaking can be used to amplify or attenuate the characteristic sound range optimized for this instrument.

- **Rotating the knob to the right gives the sound an edge, creating a brighter tone that allows you to stand out more in band or ensemble situations.**
- **Rotating the knob to the left produces a softer tone while still retaining the cello's characteristic sound.**

[BASS] knob

For adjusting the level of the low range. Peaking can be used to amplify or attenuate the sound range affected by the resonance of the 4th string (C).

- **Rotating the knob to the right increases the resonance of the 4th string (C), producing a tone with greater cabinet resonance.**
- **Rotating the knob to the left reduces the resonance of the 4th string (C), producing a tighter tone that does not compete with other bass instruments.**

■ Using the Tuner

By switching from Play mode to Tuner mode, you can tune the instrument without the need of a separate tuner.

● Tuning

1. With the instrument turned on, hold down the [SOUND/TUNER] button for about one second, and then release it, to enter Tuner mode.

When the instrument enters Tuner mode, the display indicators ►●◀ light up (Tuner standby).

NOTE

- Holding down the [SOUND/TUNER] button for five seconds or more will turn on and off the Auto Power Off function (page 20) instead of switching the instrument to Tuner mode.

2. Tune the SILENT Cello™ until the name of the note that you want to tune to appears in the display.

NOTE

- In Tuner mode, sound from the SILENT Cello™ is not output.

3. The string is in tune when only the center indicator lights.



4. Briefly press the [SOUND/TUNER] button to return to Play mode.

NOTE

- After pressing the [SOUND/TUNER] button, it may take a few seconds for the recognized note name to be displayed.
- If the tuning is continuously adjusted, the note name and indicators may not be able to keep up with the changes in pitch. When tuning, adjust and pause to check the sound in increments.
- It may not be possible to measure sounds that contain many harmonics or sounds that decay quickly.

● Calibration (Changing the Reference Pitch)

The tuner's reference pitch of A can be set within the range of 438 Hz to 445 Hz (default setting: 442 Hz).

1. In Tuner mode, hold down the [SOUND/TUNER] button for one second or more to display the last digit of the current reference pitch for three seconds.
2. Each press of the [SOUND/TUNER] button while the last digit is displayed switches the reference pitch (in 1 Hz steps) as follows:
442 Hz (default setting) → 443 Hz → 444 Hz → 445 Hz → 438 Hz → 439 Hz → 440 Hz → 441 Hz → 442 Hz → ...
3. After selecting the desired reference pitch and waiting for about three seconds, the pitch is confirmed, the display goes off, and the tuner returns to normal Tuner mode.

NOTE

- The calibration setting is retained even when the instrument is turned off.
- If the button is not pressed for more than three seconds during the calibration procedure, the pitch will be confirmed, and the instrument will automatically return to normal Tuner mode. To continue specifying the setting, start the procedure again from step 1.

Basic Operations

■ Enabling/Disabling the Auto Power Off Function

In order to prevent unnecessary power consumption, this instrument has a built-in Auto Power Off function that automatically turns off the instrument if no sound is produced for 20 minutes or longer. Even if the instrument is turned off by the Auto Power Off function, it can be turned on again with the power switch.

NOTE

- The SILENT Cello™ is shipped from the factory with the Auto Power Off function turned on (enabled).

● Switching Between Turning On (Enabling)/Off (Disabling) the Auto Power Off Function

With the instrument turned on (Play mode), hold down the [SOUND/TUNER] button for five seconds or more to switch between turning the function on (enabled) and off (disabled).

- If the above operation is performed while the function is turned on (enabled), all display indicators light up in red, then go off one by one, and the function is turned off (disabled).



- If the above operation is performed while the function is turned off (disabled), each display indicator lights up in red one by one, and the function is turned on (enabled).



NOTE

- The last setting specified is retained by the instrument. If the instrument is turned on after this function has been turned off (disabled), the display indicators show that this function is turned off (disabled), then switch to normal Play mode (lit in green).

■ Ending Play

After use, turn off the instrument by sliding the power switch to the standby position.

The process is complete when the display indicators flash, and then turn off.

NOTE

- Before turning the instrument on again, wait until the display indicators have finished flashing, and then turn off (as described above) before sliding the power switch.

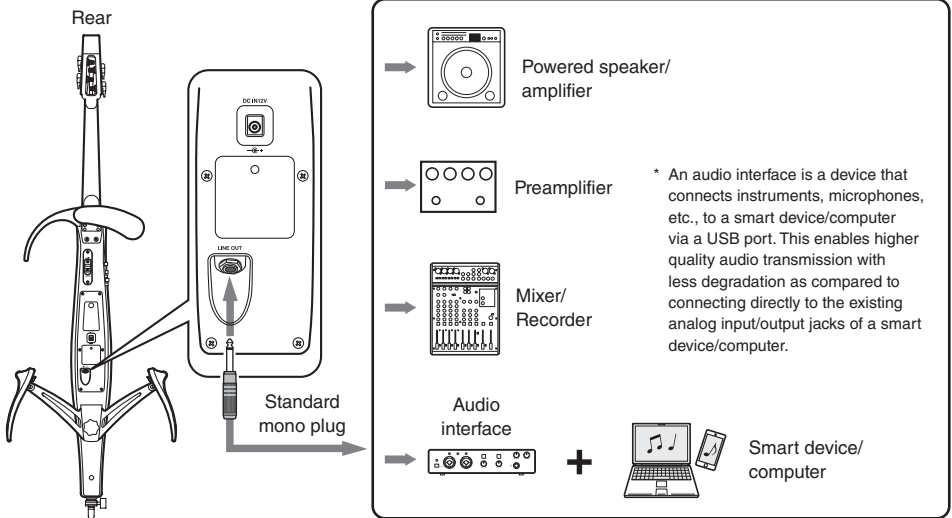
Advanced Operations

■ Outputting Sound to an External Device

The [LINE OUT] jack (on the rear panel) is for outputting a mono audio signal to an external device. By connecting the instrument to an external device (using an audio cable), you can use it in some of these convenient and powerful ways:

- **Playing at home or on stage with the sound output to your amp/speakers**
- **Connecting to a mixer/recorder/audio equipment to record your performance or amplify the sound on stage**
- **Connecting to a smart device/computer via an audio interface to record or livestream your performances**

1. Turn off all devices to be connected.
2. Refer to the sample setup below and use a cable to connect this instrument with an external device. At this time, keep the volume of all devices low.



3. After connections are complete, turn on the devices in the following order: this instrument, then the external device.
4. Adjust the volume by raising the volume of devices in the following order: this instrument, then the external device.



- Before connecting the SILENT Cello™ to any external device, make sure that all related devices are turned off. Set the volume of any external audio sources to the minimum level before connecting any device. High volume settings could cause damage to the equipment and your hearing.
- Be sure not to disconnect a cable while the device is turned on. Otherwise, the device may be damaged, or your ears may suffer a substantial shock.
- Be careful not to step on cables. Otherwise, the cables may break, devices may be damaged, and this may cause a substantial shock to your ears.

Advanced Operations

Notice

- The signal from the SILENT Cello™ output jacks must NEVER be returned to the [AUX IN] jack, either directly or through external equipment. Otherwise, feedback may occur and cause damage to the internal electronics.
- When connecting the instrument to external audio equipment, check the jack size and use a cable with a corresponding plug size, and then properly insert the plug into the jack.
- When a powered speaker is connected to the [LINE OUT] jack, speakers with inadequate power ratings may distort due to the low frequencies produced by the instrument. For sufficient headroom, use powered speakers with a power rating of 50 watts or more.
- If the sound becomes distorted, rotate the [VOLUME] knob to the left to lower the volume.

NOTE

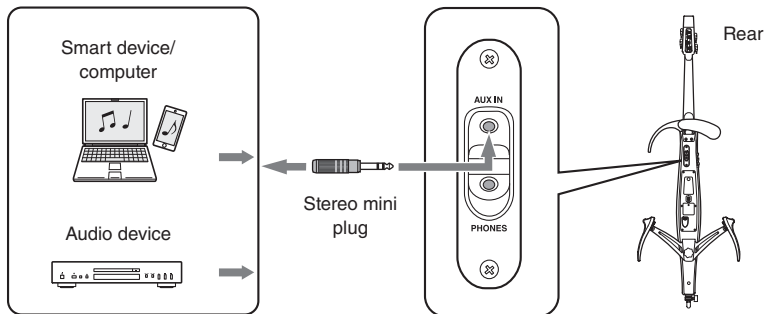
- Audio from the [AUX IN] jack is not output at the [LINE OUT] jack.

■ Playing Along with Music from a Smart Device, etc.

The [AUX IN] jack (on the rear of the instrument) can be used to connect an external stereo signal source.

By using an audio cable to connect the instrument to an audio device, such as a music player, or the output jack of a smart device, you can practice with background music from that device.

1. Use the [PHONES] knob to lower the headphone volume to its minimum.
2. Refer to the sample setup below and use a cable to connect this instrument with an external device.



3. Turn on the external device.
4. While playing music on the external device, raise its volume as needed.
5. Rotate the [PHONES] knob to adjust the volume to a comfortable level.

NOTE

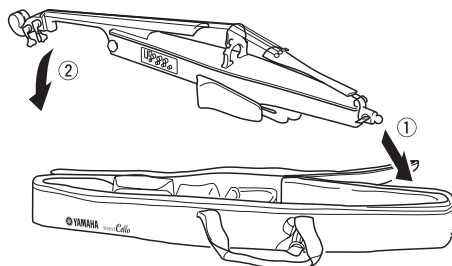
- Audio from the [AUX IN] jack is not output at the [LINE OUT] jack.

About the Supplied Soft Case

The supplied soft case is designed specifically for use with the SVC300C SILENT Cello™. Attaching the protector (included in the case) allows storage and transport of the instrument with its bridge properly set up.

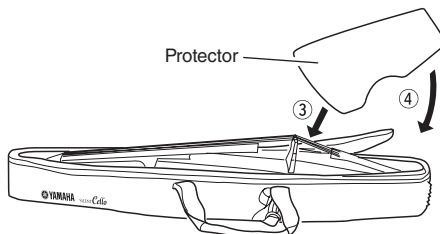
● Placing the Cello in the Case

1. Fold up the knee supports, and remove the chest and arm supports from the SILENT Cello™. Slide the end pin all the way into the instrument, and tighten the end pin stopper to secure the pin.
2. First, place the bottom (end pin side) (①) of the instrument into the soft case, followed by the top (head) (②)



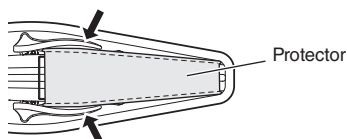
● Positioning the Protector

1. Starting with the bridge end (③) of the protector, slide it at an angle between the knee supports and case.
2. Gently push the end pin side (④) of the protector into place.



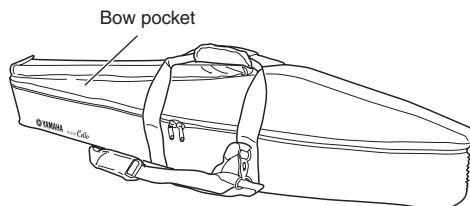
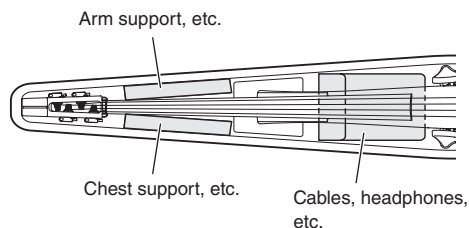
Notice

- The protector is designed to protect the instrument against light shocks while the instrument is being carried. Never expose the protector to shocks such as by placing the case with the protector facing down or by placing objects on top of or hitting the protector.



* The protector does not guarantee against damage to parts such as the bridge.

● Storage Pockets



* When storing the bow in the bow pocket, always place the bow in its case.

Specifications

Neck: Maple

Body: Spruce/Maple

Fingerboard: Ebony

Bridge: Maple (Aubert)

Tuning Pegs: Worm Gear Type

Frame: Molded plywood

Tailpiece: Four adjusters (Wittner)

Strings: Ball-end type (Helicore)

Sensor: Piezo pickup

Controls:

- POWER (ON/Standby)
- VOLUME
- PHONES
- SOUND/TUNER
- BLEND
- REVERB (ROOM/HALL)
- TREBLE
- BASS

Input/Output Connectors:

- LINE OUT (6.3 mm mono standard)
- PHONES (3.5 mm stereo mini)
- AUX IN (3.5 mm stereo mini)
- DC-IN

Power Supply:

- Batteries: Two AA alkaline batteries (LR6) or nickel-metal hydride batteries
- Power adaptor (sold separately):
Yamaha PA-130 (Output: DC12 V/700 mA)

Power Consumption: 1.3 W

Standby Power Consumption: 0.1 W

Battery Life (Continuous Use):

- Using alkaline batteries: 7 hours 30 minutes
- Using nickel-metal hydride batteries (2,500 mAh):
9 hours 30 minutes

* Differs depending on the conditions of use.

String Length: 690 mm

Dimensions (without chest support):

1,251 mm (L) × 438 mm (W) × 243 mm (H)

Weight (with batteries and chest support):

3.6 kg

* This document is based on the latest specifications at the time of publication. The latest version can be downloaded from the Yamaha website.

Important Notice: Power management information for customers in European Economic Area (EEA), Switzerland and Turkey

Remarque importante : Informations sur la gestion de l'alimentation pour les clients de l'Espace économique européen (EEE), de Suisse et de Turquie

Yamaha products are equipped with a power management function. Some products allow you to disable that function, or to extend the amount of time that elapses before the power is turned off or set to standby. In these cases, energy consumption will increase.	English
Yamaha-Produkte sind mit einer Power-Management-Funktion ausgestattet. Bei einigen Produkten können Sie diese Funktion ausschalten oder die Zeitdauer, die verstreicht, bis das Instrument ausgeschaltet oder in Bereitschaft versetzt wird, verlängern. In diesen Fällen erhöht sich der Energieverbrauch.	Deutsch
Les produits Yamaha sont équipés d'une fonction de gestion de l'alimentation. Certains produits vous permettent de désactiver cette fonction ou d'allonger le délai avant la mise hors tension ou la mise en veille. Dans ces cas, la consommation d'énergie augmente.	Français
Yamaha-producten zijn uitgerust met een energiebeheerfunctie. Bij sommige producten kunt u die functie uitschakelen of de tijd verlengen die verstrijkt voordat de stroom wordt uitgeschakeld of in stand-by wordt gezet. In deze gevallen zal het energieverbruik toenemen.	Nederlands
Los productos Yamaha están equipados con una función de administración de energía. Algunos productos permiten desactivar esa función o ampliar el tiempo que transcurre antes de apagar la alimentación o poner el producto en modo de espera. En estos casos, el consumo de energía aumentará.	Español
I prodotti Yamaha sono dotati di una funzione di gestione dell'alimentazione. Alcuni prodotti consentono di disattivare tale funzione o di estendere il periodo di tempo che trascorre prima che l'alimentazione venga spenta o impostata in standby. In questi casi, il consumo energetico aumenterà.	Italiano
Os produtos Yamaha são equipados com uma função de gerenciamento de energia. Alguns produtos permitem desativar essa função ou estender o tempo decorrido antes de se desligar ou entrar em standby. Nesses casos, o consumo de energia aumentará.	Português
Τα προϊόντα της Yamaha είναι εξοπλισμένα με μια λειτουργία διαχείρισης ισχύος. Ορισμένα προϊόντα σας δίνουν τη δυνατότητα να απενεργοποιείτε αυτή τη λειτουργία ή να επεκτείνετε το χρονικό διάστημα μέχρι την απενεργοποίηση ή τη θέση σε κατάσταση αναμονής. Σε αυτές τις περιπτώσεις, η κατανάλωση ενέργειας θα αυξηθεί.	Ελληνικά
Yamaha-produkterna är utrustade med en energihanteringsfunktion. För vissa produkter kan du inaktivera den funktionen eller för att förlänga tiden som förflytt innan strömmen stängs av eller ställs i vänteläge. I dessa fall ökar energiförbrukningen.	Svenska
Yamahs produkter har en strømstyringsfunktion. På nogle produkter er det muligt at deaktivere denne funktion eller at forlænge den tid, der går, før der slukkes for strømmen, eller sættes på standby. I disse tilfælde vil strømforbruget stige.	Dansk
Yamaha-tuotteet on varustettu virranhallintatoiminnolla. Joissakin tuotteissa voit poistaa toiminnon käytöstä tai pidentää aikaa, joka kuluu ennen virran katkaisemista tai valmiustilaan asettamista. Näissä tapauksissa energiankulutus kasvaa.	Suomi
Produkt Yamaha są wyposażone w funkcję zarządzania energią. Niektóre produkty umożliwiają wyłączenie tej funkcji lub wydłużenie czasu, jaki upływa do wyłączenia zasilania lub przejścia w tryb gotowości. W takich przypadkach zużycie energii wzrośnie.	Polski
Produkty Yamaha jsou vybaveny funkcí správy napájení. Některé produkty umožňují tuto funkci zakázat nebo prodloužit dobu, která má uběhnout před vypnutím napájení nebo pohotovostním režimem. V těchto případech se zvýší spotřeba elektřiny.	Čeština
A Yamaha termékék energiamedzszemlénterítő funkcióval vannak ellátva. Egyes termékék lehetővé teszik, hogy leltassa ezt a funkciót, vagy meghosszabbítsa a kikapcsolás vagy készenléti állapotba helyezés előtt eltelt időt. Ezekben az esetekben az energiafogyasztás növekedni fog.	Magyar
Yamaha tooted on varustatud toitehalduse funktsiooniga. Mõned tooted võimaldavad teil selle funktsiooni keelata või pikendada aega, mis möödub enne toite väljalülitamist või ooterežiimi seadmist. Sellistel juhtudel suureneb energiatarbimine.	Eesti
Yamaha izstrādājumi ir aprīkoti ar barošanas pārvaldības funkciju. Dažiem izstrādājumiem šo funkciju var atspējot vai paildināt laiku, kam jāpaiet pirms barošanas atslēgšanas vai pāriešanas gaidstāves režīmā. Šādā gadījumā palielināsies enerģijas patēriņš.	Latviešu
„Yamaha“ gaminiuose yra energijos sąnaudų valdymo funkcija. Kai kurie gaminiai leidžia išjungti šią funkciją arba pratęsti laiką, praėjusį prieš išjungiant maitinimą arba įjungiant budėjimo režimą. Tokiais atvejais energijos suvartojimas padidės.	Lietuvių
Produkty spoločnosti Yamaha sú vybavené funkciou správy napájania. Niektoré produkty vám umožňujú túto funkciu vypnúť alebo predĺžiť čas, po uplynutí ktorých sa napájanie vypne alebo nastaví do pohotovostného režimu. V takýchto prípadoch sa zvýši spotreba energie.	Slovenčina
Yamahini izdelki imajo funkcijo upravljanja z napajanjem. Nekateri izdelki vam omogočajo, da onemogočite to funkcijo ali podaljšate čas, ki mora preteči, preden se napajanje izklopi ali nastavi v stanje pripravljenosti. V teh primerih se bo poraba energije povečala.	Slovenščina
Продуктите на Yamaha са снабдени с функция за управление на захранването. Някои продукти ви позволяват да забраните тази функция или да удължите времето, което ще изтече, преди захранването да се изключи или да се настрои в режим на готовност. В тези случаи консумацията на енергия ще се увеличи.	Български
Produsele Yamaha sunt echipate cu o funcție de gestionare a energiei. Unele produse vă permit să dezactivați această funcție sau să prelungiți perioada de timp care trece înainte ca alimentarea să fie oprită sau setată în standby. În aceste cazuri, consumul de energie va crește.	Română
Yamaha proizvodni opremljeni su funkcijom upravljanja potrošnjom energije. Neki vam proizvodni omogućuju onemogućavanje te funkcije ili produženje vremena koje protekne prije isključivanja napajanja ili postavljanja u stanje pripravnosti. U tim će se slučajevima povećati potrošnja energije.	Hrvatski
Yamaha ürünlerinde güç yönetimi işlevi vardır. Bazı ürünler, bu işlevi devre dışı bırakmanıza veya güç kapatılmadan ya da bekleme moduna alınmadan önce geçen süreyi uzatmanıza olanak tanır. Bu gibi durumlarda, enerji tüketimi artacaktır.	Türkçe



Yamaha Global Site
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