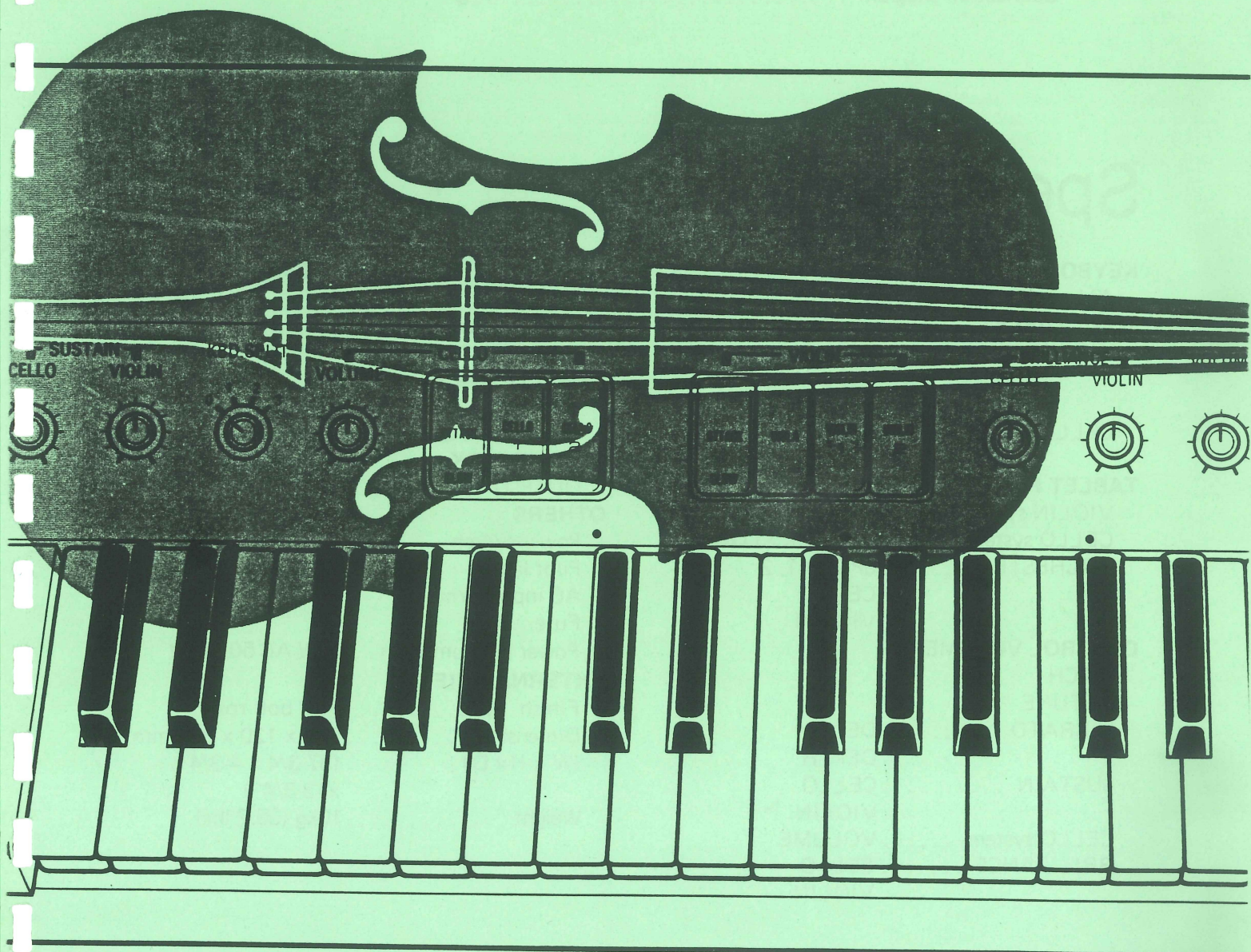


YAMAHA

STRINGS

SS-30

OWNERS MANUAL



We, YAMAHA, wish to thank you for selecting the YAMAHA STRINGS SS-30. STRINGS SS-30 is a keyed instrument to let you enjoy rich tones peculiar to the strings with this instrument. We feel sure that the STRINGS SS-30 will become lifelong partners in band or Electone Organs performance.

Please read this manual carefully to enjoy yourself by playing this instrument to your heart's content.

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Specifications

KEYBOARD

49 keys $c \sim c_4$ (4 octaves)

TABLET FOR EFFECTS

VIOLIN system	VIOLA
	VIOLIN 1
	VIOLIN 2
CELLO system	CELLO 1
	CELLO 2
VIOLIN system	ATTACK SLOW
CELLO system	ATTACK SLOW
ORCHESTRA	SPEED 1, 2
	CELLO
	VIOLIN

CONTROL VOLUME

PITCH	
DETUNE	
VIBRATO	DELAY
	DEPTH
SUSTAIN	CELLO
	VIOLIN
CELLO system	VOLUME
BRILLIANCE	CELLO
	VIOLIN

ORCHESTRA

DEPTH

VOLUME

CONTROL SWITCH

KBD. SPLIT

CONTROL JACK

FOOT CONTROL (VOLUME)

FOOT SWITCH (SUSTAIN)

OUTPUT JACK

OUTPUT

-20dB/600Ω

OTHERS

Power switch

Pilot lamp

AC input terminal

Fuse

Power Consumption . . .25W AC 50/60Hz

EXTERNAL VIEW

Finish

Pick bolt rose

Dimensions

960 x 120 x 350 mm

(W x H x D) (37-3/4 x 4-3/4

x13-3/4")

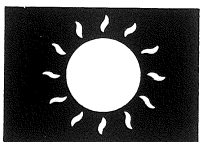
Weight

16kg (35.2 lbs)

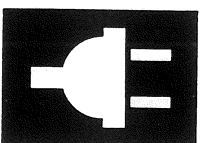
Caution-Read This Before Operating Your SS-30



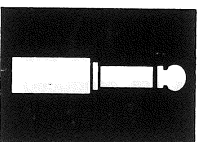
- Place the SS-30 on a solid stand, such as a piano or an Electone Organ to play it.



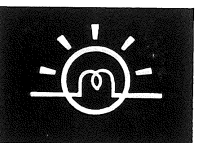
- Do not place the SS-30 where it will be exposed to direct sunlight, excessive heat (for instance over a radiator), cold, moisture, or dust.



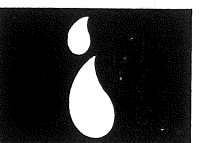
- When connecting the power cord to the socket, do not place many loads on one electric outlet. Put the cord into the outlet completely after confirming that the power switch of the instrument is off.
* Be careful not to lose the power cord.



- Read "Connection Diagram" on page 6 to make connections properly. To prevent the speaker from breaking, make sure that each power switch is off when wiring the instrument.
- Put the wiring cord in place. To remove the plug, hold the plug firmly to take it out to prevent the cord from breaking or being short-circuited.



- Try to turn off the power switch after playing.



- Clean the keyboard, etc., with a dry cloth only. Never use volatile solvents such as thinner; they will fade or deform the finish.



- When the SS-30 must be moved for concert and house-moving, pack it well enough to withstand any shock. It is recommended that you keep the cardboard boxes and packing used for the SS-30 you bought so that you may use them for such an occasion.
* At that time put the power cord in the boxes.



- If you will find any trouble, check for each connection of the device again. If it is found difficult to mend it for all that, contact the YAMAHA dealer from whom you purchased your instrument or any other YAMAHA dealers nearby. (Never touch the inside circuitry.)

How to Use SS-30

1 POWER

Insert the power cord plug into the AC wall outlet, depress the switch and power is turned on. To turn off the power, depress it again.

2 PILOT LAMP

This lamp indicates the power is on.

3 PITCH

Used to tune the instrument to the interval of other instruments. Counter-clockwise turn gives you lower interval and clockwise turn, higher interval.

4 DETUNE

Produces a richer sound by giving a beating sound. The center location of the knob minimizes the beat.

5 VIBRATO

DEPTH: The intensity of vibrato effect becomes deeper as it is turned clockwise. If it is kept all the way to the left location, the vibrato effect is not produced.

DELAY: Clockwise turn of the Delay gradually delays the time until the vibrato effect is produced after the key is pressed.

6 SUSTAIN

The clockwise turn of the SUSTAIN produces sustain effect of the Cello and Violin Systems. It permits a longer sustain time after releasing the key as you turn the knob to clockwise direction.

7 KBD. SPLIT

Switching this section changes the position of tones of Cello and Violin systems. There are marks on the keyboard (the panel) so that each point of 1, 2, and 3 may be noticeable during playing.

Position 0: The whole keyboard will produce the sounds of the Violin system.

Position 1: The sounds of the Cello and Violin systems are produced below c_1 and above $c\#_1$ respectively.

Position 2: The sounds of the Cello and Violin systems are produced below $f\#_1$ and above g_1 respectively.

Position 3: The sounds of the Cello and Violin systems are produced below c_2 and above $c\#_2$ respectively.

The KBD.SPLIT enables you to produce chords of the Cello and melodies of Violin by your left and right hands respectively.

8 CELLO

CELLO 1, CELLO 2:

It enables you to select any sounds you like.

ATTACK: With this tablet switch on, the rise of the Cello sounds will be softened.

VOLUME: This adjusts the volume of the Cello system to balance that of the Violin system.

9 VIOLIN

VIOLA, VIOLIN 1, VIOLIN 2:

You can select any sound you like.

ATTACK: With this tablet switch on, the rise of the sounds of the Violin system will be softened.

10 BRILLIANCE

CELLO, VIOLIN:

The clockwise turn of the **BRILLIANCE** gradually brightens each tone and the counterclockwise turn softens it.

11 VOLUME

This adjusts the overall volume. Set it proper position according to the output of an amplifier to be connected.

12 ORCHESTRA

VIOLIN, CELLO:

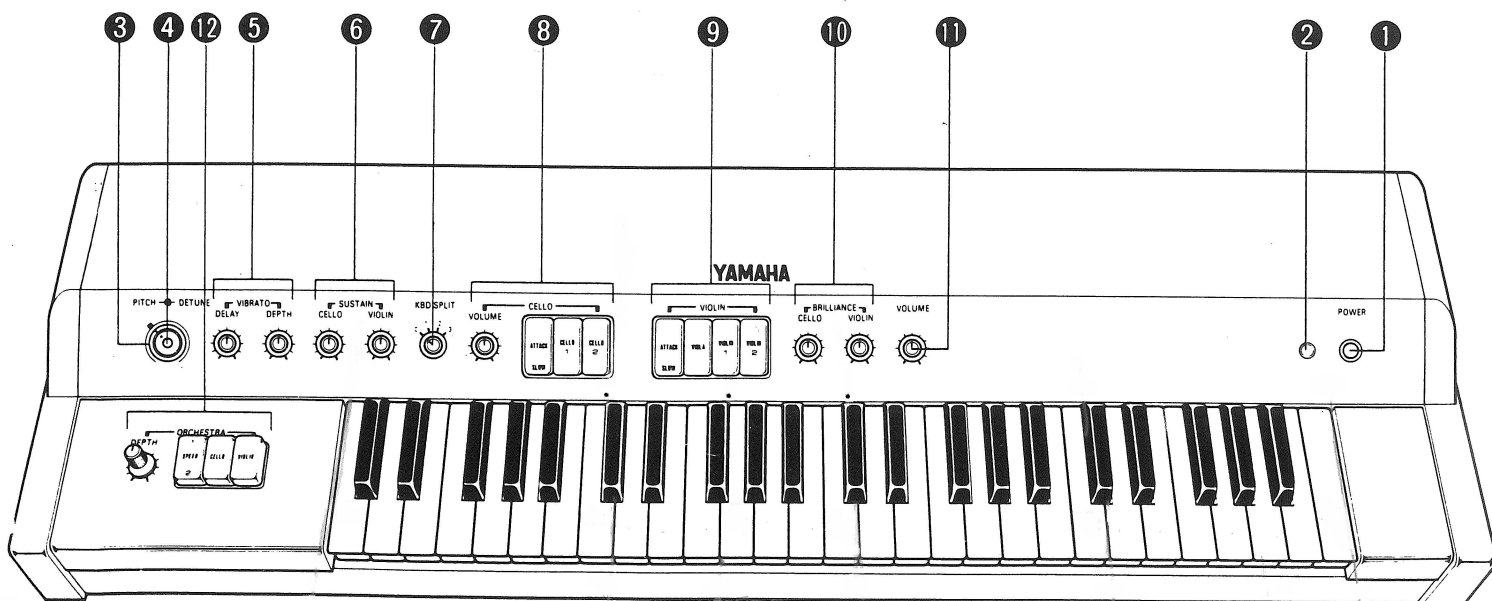
With these tablet switches on, an **ORCHESTRA** effect can be obtained at its respective tone.

SPEED 1, 2:

1: Provides an Orchestra effect more suited to stately or liturgical selections.

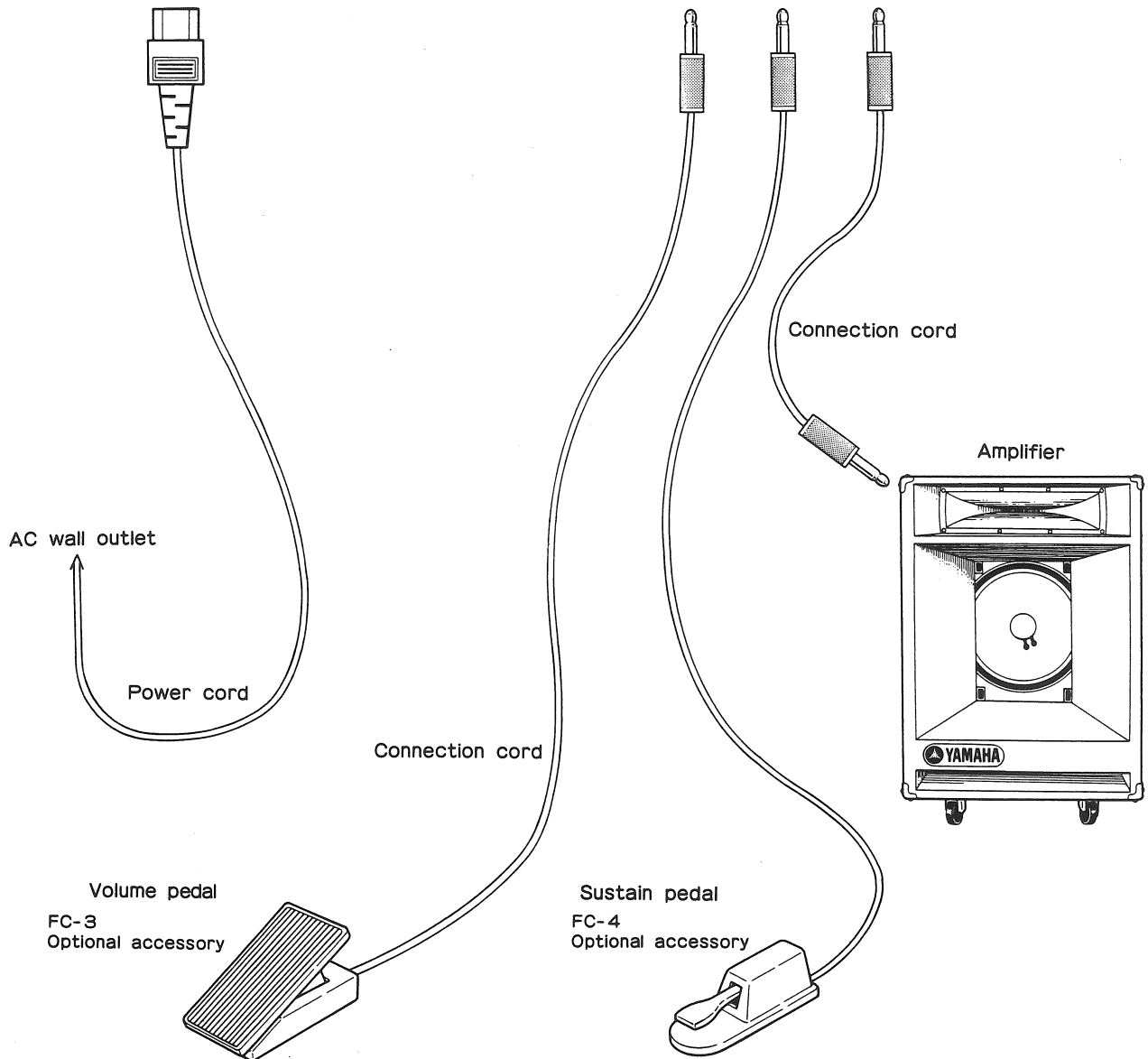
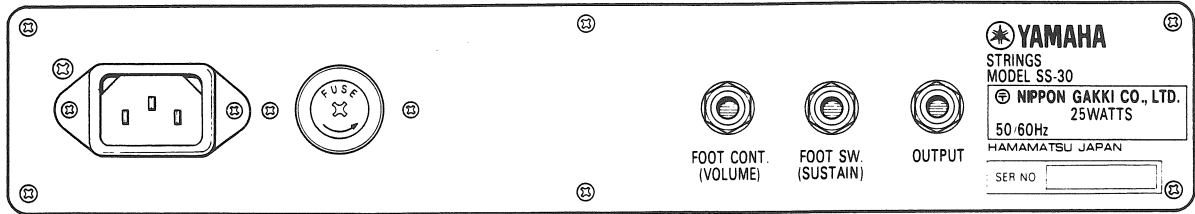
2: Orchestra effect with faster speed to add a rich throbbing.

DEPTH: Used to adjust the depth of orchestra effect. Its clockwise turn can gradually give a deeper effect to each tone.



Connection Diagram

Rear panel



With this Volume pedal you may adjust the volume by your foot.

Connection of the foot switch allows you to control the SUSTAIN. By depressing the pedal, the SUSTAIN effect can be obtained.

SINCE 1887  **YAMAHA**
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN