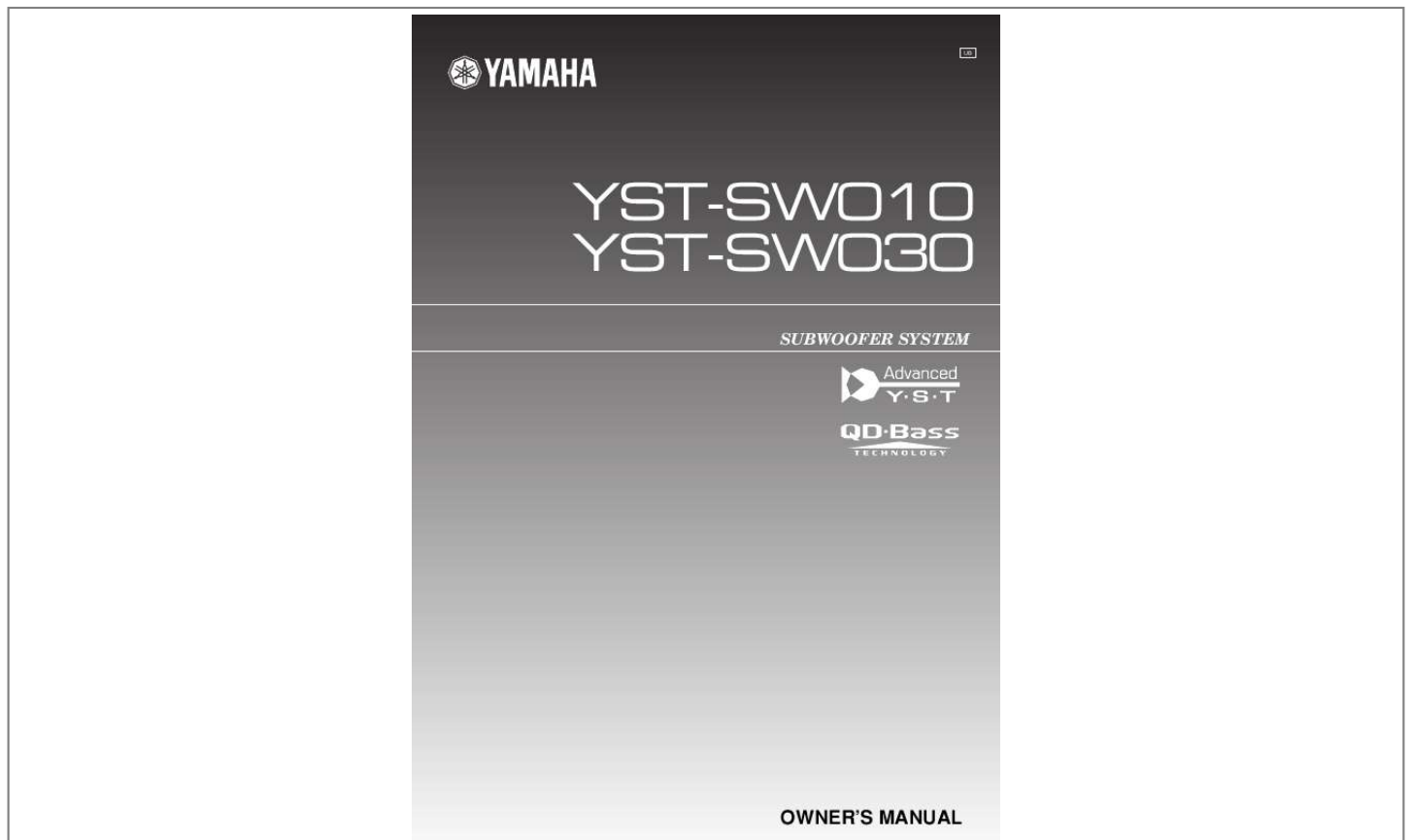




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA YST-SW030. You'll find the answers to all your questions on the YAMAHA YST-SW030 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual YAMAHA YST-SW030**  
**User guide YAMAHA YST-SW030**  
**Operating instructions YAMAHA YST-SW030**  
**Instructions for use YAMAHA YST-SW030**  
**Instruction manual YAMAHA YST-SW030**



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**Manual abstract:**

**NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.** Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.

If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 5 6 7 8 · Explanation of graphic symbols: The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. 9 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 11 Only use attachments/accessories specified by the manufacturer.

12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 13 Unplug this apparatus during lightning storms or when unused for long periods of time. 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. **IMPORTANT** Please record the serial number of this system in the space below. @@@@ @@@@ **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 or uses radio frequencies and, if not installed and used in accordance with the instructions in the user's 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 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 circuits (circuit breaker or fuse) or install AC line filter(s). · In the case of radio or TV interference, relocate or reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to a coaxial type cable. If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this product. If you cannot locate the appropriate retailer, please contact Yamaha Electronics Corp., U.

S.A.; 6660 Orangethorpe Ave; Buena Park, CA 90620. The above statements apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries. For U.

K. customers If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the following instructions. Note: The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet. **SPECIAL INSTRUCTIONS FOR U.K. MODEL IMPORTANT: THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE: Blue: NEUTRAL Brown: LIVE** As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured **BLUE** must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**. The wire which is coloured **BROWN** must be connected to the terminal which is marked with the letter **L** or coloured **RED**. Making sure that neither core is connected to the earth terminal of the three pin plug. We Want You Listening for a Lifetime Yamaha and the Electronic Industries Association's Consumer Electronics Group want you to get the most enjoyment out of your equipment by playing it at a safe level -- a level that lets the sound come through loud and clear without annoying blaring or distortion -- and, most importantly, without damaging your sensitive hearing.

Since hearing damage from loud sounds is often undetectable until it is too late, Yamaha and the Electronic Industries Association's Consumer Electronics Group recommend that you avoid prolonged exposure to excessive volume levels. ii Precautions: Read this before operating this unit · To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference. · Install this unit in a cool, dry, clean place - away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electrical shock, do not expose this unit to rain or water. · Never open the cabinet. If any foreign objects drop into the set, contact your dealer. · The voltage to be used must be the same as that specified on the rear panel. Using this unit with a higher voltage than specified is dangerous and may cause a fire and/or electric shock. · To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.



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· Do not use force on switches, controls, or connection wires. When moving the unit, first disconnect the power plug and the wires connected to other equipments. Never pull the wires themselves. · When not planning to use this unit for a long period (ie. , vacation, etc.), disconnect the AC power plug from the wall outlet. · To prevent lightning damage, disconnect the AC power plug when there is an electric storm. · Since this unit has a built-in power amplifier, heat will radiate from the rear panel. Place the unit apart from the walls, allowing at least 20 cm of space above, behind and on both sides of the unit to prevent fire or damage.

Furthermore, do not position with the rear panel facing down on the floor or other surfaces. · Do not cover the rear panel of this unit with a newspaper, a tablecloth, a curtain, etc. in order not to obstruct heat radiation. @@@@If glass etc. falls by vibrations and breaks, it may cause bodily injury. A burning candle etc. @@@@It might cause a fire, damage to this unit, and/or personal injury. @@@@ · Never place a fragile object near the YST port of this unit. @@ · Never open the cabinet. It might cause an electric shock since this unit uses a high voltage.

It might also cause personal injury and/or damage to this unit. @@@@In such a case, move this unit away from the turntable.

@@@@@@@@@@@@@@@@In such a case, move this unit away from the TV set. @@Use a clean, dry cloth. @@@@Voltage are 110/120/220/240 V AC, 50/60 Hz. iii Table of contents Precautions: Read this before operating this unit . . . . .

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. . . . . 1 Supplied accessories .

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. 1 Positioning the subwoofer . . . . .

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. . . . . 2 Connections . . . . .

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. . . . . 3 Basic connection example .

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.. 6. Adjust the volume of the entire sound system using the amplifier's volume control. 1 Power indicator Lights up GREEN when the POWER switch (2) is turned ON; turns off when the POWER switch is turned OFF.

Note: It is recommended to set the VOLUME control about in the middle position when using in a multi channel home theater system. VOLUME 2 POWER switch Press this switch to the ON position to turn on the power to the subwoofer. When the power of the subwoofer is on, the power indicator (1) on the rear panel lights up green. Press this switch again to set it to the OFF position to turn off the power of the subwoofer. 3 VOLUME control Adjusts the volume level. Turn the control clockwise to increase the volume, and counterclockwise to decrease the volume. 4 INPUT terminal Input terminal for line level signals from the amplifier. 4 Advanced Yamaha Active Servo Technology The theory behind Yamaha Active Servo Technology is based on two factors: the Helmholtz resonator and negative-impedance drive. Active Servo Processing speakers reproduce the bass frequencies through an "air woofer," which is a port or opening in the speaker's cabinet. This opening is used instead of, and performs the functions of, a woofer in a conventionally designed speaker system. Thus, signals of low amplitude within the cabinet can, according to Helmholtz resonance theory, be output from this opening as waves of great amplitude if the size of the opening and the volume of the cabinet are in proportion to satisfy a certain ratio. In order to accomplish this, moreover, the amplitudes within the cabinet must be both precise and of sufficient power because these amplitudes must overcome the "load" presented by the air in the cabinet. This problem is resolved by a design in which the amplifier supplies special signals. If the electrical resistance of the voice coil could be reduced to zero, the movement of the speaker unit would become linear with respect to signal voltage. To accomplish this, the system utilizes a special negative-impedance output-drive amplifier that subtracts the output impedance of the amplifier.

By employing negative-impedance drive circuits, the amplifier is able to generate precise, low-amplitude, low frequency waves with superior damping characteristics. These waves are then radiated from the cabinet opening as high-amplitude signals. The system can, therefore, by employing the negative-impedance output drive amplifier and a speaker cabinet featuring a Helmholtz resonator, reproduce an extremely wide range of frequencies with outstanding sound quality and low distortion. The features described above combine to create the fundamental structure of conventional Yamaha Active Servo Technology. Our new Active Servo Technology -- Advanced Yamaha Active Servo Technology -- adopts Advanced Negative Impedance Converter (ANIC) circuits, which allow the conventional negative impedance converter to dynamically vary to select an optimum value for speaker impedance variation. With these new ANIC circuits, Advanced Yamaha Active Servo Technology provides a more stable performance and improved sound pressure compared to conventional Yamaha Active Servo Technology, resulting in more natural and dynamic bass reproduction. Cabinet High-amplitude bass sound Port Air woofer (Helmholtz resonator) Advanced Negative impedance Converter Active Servo Processing Amplifier Signals Signals of low amplitude 5 Troubleshooting Refer to the chart below if the unit does not function properly. If the problem you are experiencing is not listed, or if the instructions fail to help you resolve the problem, disconnect the power cord and contact your authorized Yamaha dealer or service center. Problem Power is not supplied even though the POWER switch is set to the ON position. No sound.

Cause The power plug is not securely connected. The VOLUME control is set to 0. A subwoofer cable is not connected securely. Remedy Turn the power switch OFF, then connect the power plug securely. Turn the VOLUME control to the right (clockwise). Connect a subwoofer cable securely. Sound level is too low. You are playing a sound source that includes inadequate bass frequencies. more bass frequencies. The sound level has been diminished by standing waves. Reposition the subwoofer, or break up the parallel wall surface by placing bookshelves or other large objects along the wall. 6 Specifications YST-SW010 Type .....Advanced Yamaha Active Servo Technology Driver ....

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..... 16 cm (6.5") cone woofer Magnetically shielded type Output Power ...

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..... 50 W Dynamic Power ....  
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..... 100 W, 5 Input Impedance ...

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....12 k Frequency Response .

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... 30 Hz 200 Hz Input Sensitivity .....

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. 50 mV (50 Hz, 50 W/5 ) Power Supply [U.S.A. and Canada models] .

..... AC 120 V, 60 Hz [Australia model]..

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..... AC 240 V, 50 Hz [China model] ....

AC 110/120/220/240 V, 50/60 Hz [Korea model] .



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.....  
..... AC 110/220 V, 60 Hz [U.K. and Europe models]...

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..... AC 230 V, 50 Hz [Asia model]....  
... AC 110120/220240 V, 50/60 Hz [General model]..  
AC 110120/220240 V, 50/60 Hz Power Consumption.....

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.....  
.....45 W Dimensions (W x H x D) ..

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.....280 mm x 325 mm x 293 mm Weight.

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..... 8.5 kg YST-SW030 Type .

... Advanced Yamaha Active Servo Technology Driver .....

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.....  
..... 20 cm (8") cone woofer Magnetically shielded type Output Power....

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75 W Dynamic Power .....

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130 W, 5 Input Impedance .....

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..... 12 k Frequency Response....

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..... 28 Hz 200 Hz Input Sensitivity ....  
.....70 mV (50 Hz, 75 W/5 ) Power Supply [U.

..... S.A. and Canada models].....  
.....AC 120 V, 60 Hz [Australia model] ...

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AC 240 V, 50 Hz [China model].....

AC 110120/220240 V, 50/60 Hz [Korea model].....

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.AC 110/220 V, 60 Hz [U.K. @@@@70 W Dimensions (W x H x D) ..

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... @@@@90620, U.S.

A. CANADA MUSIC LTD. 135 MILNER AVE., SCARBOROUGH, ONTARIO M1S 3R1, CANADA ELECTRONIK EUROPA G.m.

b.H. SIEMENSSTR. 22-34, 25462 RELLINGEN BEI HAMBURG, F.R. OF GERMANY ELECTRONIQUE FRANCE S.A. RUE AMBROISE CROIZAT BP70 CROISSY-BEAUBOURG 77312 MARNE-LA-VALLEE CEDEX02, FRANCE ELECTRONICS (UK) LTD. YAMAHA HOUSE, 200 RICKMANSWORTH ROAD

WATFORD, HERTS WD18 7GQ, ENGLAND SCANDINAVIA A.B.

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