

Manual abstract:

Safety Precautions · Battery life is approximately five hours of continuous use (based on zinc-carbon batteries, normal play). Any of the symptoms below may indicate batteries are low and need to be replaced as soon as possible. Dim display. Distorted sound. Sudden, unexpected sounding of keyboard notes or demo songs. Abnormal play of built-in songs, etc. Sudden, unexpected failure of notes to sound. *Safety Precautions Disassembly and Modification* Never try to take this product apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, or other personal injury. Leave all internal inspection, adjustment, and maintenance up to your original retailer or authorized CASIO Service Provider.

Batteries Before using the instrument, be sure to carefully read through the instructions contained in this manual. * **WARNING** Smoke, Strange Odor, Overheating Continued use of the product while it is emitting smoke, a strange odor, or heat creates the risk of fire and electric shock. Take the following steps immediately. 1. Turn off power.

2. If you are using the AC adaptor for power, unplug it from the wall outlet. 3. Contact your original retailer or an authorized CASIO Service Provider. ! - USER'S GUIDE GUÍA DEL USUARIO Please keep all information for future reference.

Guarde toda información para tener como referencia futura. This recycle mark indicates that the packaging conforms to the environmental protection legislation in Germany. Esta marca de reciclaje indica que el empaquetado se ajusta a la legislación de protección ambiental en Alemania. Symbols Various symbols are used in this user's guide and on the product itself to ensure that the product is used safely and correctly, and to prevent injury to the user and other persons as well as damage to property. @@@@ Use of a different type of AC adaptor can cause malfunction. @@ Take the following steps immediately. 1. Turn off power. 2. If you are using the AC adaptor for power, unplug it from the wall outlet.

3. Contact your original retailer or an authorized CASIO Service Provider. Misuse of batteries can cause them to leak resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions. · Use only batteries that are specified for use with this product. · Remove batteries from the product if you do not plan to use it for a long time. Location Any reproduction of the contents of this manual, either in part or its entirety, is prohibited. Except for your own, personal use, any other use of the contents of this manual without the consent of CASIO is prohibited under copyright laws. IN NO EVENT SHALL CASIO BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION) ARISING OUT OF THE USE OF OR INABILITY TO USE THIS MANUAL OR PRODUCT, EVEN IF CASIO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. The contents of this manual are subject to change without notice.

The actual appearance of the product may be different from that shown in the illustrations in this User's Guide. Company and product names used in this manual may be registered trademarks of others. · The Digital Keyboard will turn off automatically to preserve battery power if you do not perform any operation for about six minutes (Auto Power Off). Hold down the TONE button while turning on the keyboard to disable Auto Power Off. * **WARNING** This indication stipulates matters that have the risk of causing death or serious injury if the product is operated incorrectly while ignoring this indication.

Using Headphones or Audio Equipment Connect headphones or audio equipment to the PHONES/OUTPUT jack on the back of the Digital Keyboard. · If the plug you are using does not match the jack, use a commercially available adaptor plug. Commercially available headphones PHONES/OUTPUT jack * **CAUTION** This indication stipulates matters that have the risk of causing injury as well as matters for which there is the likelihood of occurrence of physical damage only if the product is operated incorrectly while ignoring this indication. AC adaptor **NOTICE** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna. · Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/TV technician for help. **FCC WARNING** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.** Important Information for Parents! Parents should please note the following important information before letting children use this product. · Before using the AD-E95100L adaptor to power the unit, be sure to check the AC adaptor for any damage first.

Carefully check the power cord for breakage, cuts, exposed wire and other serious damage. Never let children use an AC adaptor that is seriously damaged. · Never attempt to recharge batteries. · Do not use rechargeable batteries. · Never mix batteries of different types. · Never mix old batteries with new ones. · Use recommended batteries or equivalent types. · Always make sure that positive (+) and negative (-) poles are facing correctly as indicated near the battery compartment. · Replace batteries as soon as possible after any sign they are getting weak. · Do not short-circuit the battery terminals.

· The product is not intended for children under 3 years. · Use only CASIO AD-E95100L adaptor. · The AC adaptor is not a toy. · Be sure to disconnect the AC adaptor before cleaning the product. Symbol Examples · The AC adaptor will become warm to the touch after very long use.

This is normal and does not indicate malfunction. · To prevent breaking of the wire, take care to avoid putting any type of load on the power cord.



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No bending! No winding! Audio equipment, amplifier, etc. ' ! This triangle symbol (/) means that the user should be careful. (The example at left indicates electrical shock caution.

) This circle with a line through it (-) means that the indicated action must not be performed. Indications within or nearby this symbol are specifically prohibited. (The example at left indicates that disassembly is prohibited.) The black dot (0) means that the indicated action must be performed. Indications within this symbol are actions that are specifically instructed to be performed. (The example at left indicates that the power plug must be unplugged from the electrical socket.) Misuse of the AC adaptor creates the risk of fire and electric shock. Always make sure you observe the following precautions. · Be sure to use only the AC adaptor that is specified for this product. @@ · Do not overload electrical outlets and extension cords.

· Never place heavy objects on the cord or subject it to heat. @@ · Never twist or stretch the cord. @@ Never touch the AC adaptor while your hands are wet. Doing so creates the risk of electric shock. Use the AC adaptor where it will not be splashed with water. Water creates the risk of fire and electric shock. @@@@Doing so creates the risk of suffocation. @@Such locations create the risk of fire and electric shock. · Areas subject to high humidity or large amounts of dust. @@@@Always make sure you observe the following precautions.

@@@@Always grasp the AC adaptor when unplugging. @@@@@@LCD panel liquid can cause skin irritation. @@@@@@ · Use alkaline or zinc-carbon batteries. Never use oxyride or any other nickel based batteries. @@ · Take care to ensure that the positive + and negative - ends of the batteries are facing correctly.

Open the battery cover. Pressing here, NSPIEL VIBRAPHONE MARIMBA XYLOPHONE TUBULAR BELL ORGAN DRAWBAR ORGAN PERC. ORGAN ROCK ORGAN CHURCH ORGAN (SA-46) REED ORGAN (SA-47) HARMONIUM ACCORDION HARMONICA BANDONEON GUITAR NYLON STR. GUITAR STEEL STR. GUITAR JAZZ GUITAR CLEAN GUITAR MUTE GUITAR OVERDRIVE GT DISTORTION GT GT HARMONICS BASS ACOUSTIC BASS FINGERED BASS PICKED BASS FRETLESS BASS SLAP BASS SYNTH-BASS 1 SYNTH-BASS 2 STRINGS VIOLIN CELLO CONTRABASS PIZZICATO STRINGS HARP STRING ENSEMBLE SLOW STRINGS CHOIR AAHS VOICE DOO SYNTH-VOICE ORCHESTRA HIT BRASS TRUMPET TROMBONE TUBA MUTE TRUMPET FRENCH HORN BRASS 52 SYNTH-BRASS 1 53 SYNTH-BRASS 2 REED 54 SOPRANO SAX 55 ALTO SAX 56 TENOR SAX 57 BARITONE SAX 58 OBOE 59 ENGLISH HORN 60 BASSOON 61 CLARINET 62 PICCOLO 63 FLUTE 64 RECORDER 65 PAN FLUTE 66 WHISTLE 67 OCARINA SYNTH 68 SQUARE LEAD 69 SAW LEAD 70 CALLIOPE 71 VOICE LEAD 72 BASS+LEAD 73 WARM PAD 74 SPACE CHOIR 75 BOWED GLASS 76 METAL PAD 77 RAIN DROP 78 SOUND TRACK 79 ATMOSPHERE 80 BRIGHTNESS ETHNIC 81 SITAR 82 BANJO 83 KOTO 84 THUMB PIANO 85 SANTUR 86 FIDDLE 87 SHANAI PERCUSSION 88 STEEL DRUMS 89 WOOD BLOCK 90 TAIKO 91 MELODIC TOM 92 SYNTH-DRUM 93 SEASHORE 94 BIRD 95 TELEPHONE 96 HELICOPTER 97 TRAIN 98 LASER GUN 99 GUNSHOT Pattern List 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 POPS STRAIGHT 8 BEAT 8 BEAT POP MELLOW 8 BEAT 60'S 8 BEAT 16 BEAT 1 16 BEAT 2 POP BALLAD DANCE TRANCE MODERN DANCE DISCO SOUL ROCK/JAZZ STRAIGHT ROCK BLUES SLOW ROCK MIDDLE BIG BAND JAZZ WALTZ EUROPEAN WALTZ TANGO MARCH 1 MARCH 2 LATIN BOSSA NOVA BEGUINE SAMBA CHA-CHA-CHA MERENGUE SALSA REGGAE CUMBIA REGGAETON (SA-46) WORLD I (SA-47) WORLD BLUEGRASS PASODOBLE ADANI BALADI MUS KRONCONG DANGDUT (SA-46) WORLD II (SA-47) INDIAN BHANGRA DADRA KEHARWA TEEN TAAL 1 TEEN TAAL 2 FREE SESSION STRAIGHT ROCK SHUFFLE ROCK 16 BEAT 2 TECHNO POP NEW ORLNS R&R SKA MT-40 RIDDIM REGGAETON BAROQUE INDIAN POP Tempo value · The keyboard is disabled during play of a Song Bank song with the melody part turned on.

· You can turn off the melody part only when playing back a specific Song Bank song. You cannot turn off the melody part when playing back all songs (AL). Location Avoid the following locations for this product. · Areas exposed to direct sunlight and high humidity · Areas subjected to temperature extremes · Near a radio, TV, video deck, or tuner The above devices will not cause malfunction of the product, but the product can cause interference in the audio or video of a nearby device. Back (TONE) or · Press the exit the tempo screen. (PATTERN) button to Fine Tuning (Tuning) 1. Hold down the Playing a Song Bank Song (TONE) and (PATTERN) buttons at the same time. Tuning value (cents) User Maintenance 1. Press the DC 9.5V terminal PHONES/OUTPUT jack Keyboard Number, +.

boSTART/STOP bpMELODY ON/OFF bq SA-46: PIANO, ORGAN (SONG BANK) button. Song number Sound and display operations are not normal. · Never use benzine, alcohol, thinner, or other chemical agents to clean the product. · To clean the product or its keyboard, wipe with a soft cloth moistened in a weak solution of water and a mild neutral detergent. Wring all excess moisture from the cloth before wiping. Battery power may be low. See "Power Supply". Included and Optional Accessories 2. Use the + (raise) and (lower) buttons 2. On the Song Bank list, find the song you want and note its number. Use the (Number, +.) buttons to enter the song number. TEMPO yt Pads (Kick, Snare, Closed Hi-Hat, Baya, Tabla) bn adjust the tuning to the value you want. to Specifications Keyboard : 32 mini-size keys, 2.5 octaves Polyphony : 8 notes maximum Tones : 100 Pad : 5 Patterns : 50 Song Bank : 10 tunes; melody off Tuning : A4 = 440Hz ±99 cents Speakers : 8cm × 2 (output: 0.

5W + 0.5W) Power Jack : DC 9.5V Phones/Output jack: Stereo standard jack (Output is monaural.) Output Impedance: 82 Output Voltage: 1.4V (RMS) MAX Power Supply : 2-way · Batteries: 6 AA-size zinc-carbon batteries or alkaline batteries Battery Life: Approximately 5 hours continuous operation on zinc-carbon batteries · AC Adaptor: AD-E95100L · Auto Power Off: Approximately 6 minutes after last key operation Power Consumption: 9.5V = 3.2W Dimensions : 44.6 × 20.8 × 5.1 cm (17 9/16 × 8 3/16 × 2 inch) Weight : Approximately 1.0 kg (2.2 lbs) (without batteries) Use only accessories that are specified for use with this product. Use of unauthorized accessories creates the risk of fire, electric shock, and personal injury. AC Adaptor Handling Precautions SA-47: PIANO, HARMONIUM/ORGAN Playing Something on the Digital Keyboard 3. Press keys on the keyboard notes using the selected tone.

to play · You can adjust tuning within a range of 99 to +99 cents (100 cents = 1 semitone). · After a short while, the display will exit the tuning screen. 1. Use the power. (POWER) switch to turn on and pads to 2. Try using the keyboard produce sounds. · You can select tones 00 and 16 simply by pressing button.



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Each press of the button toggles the between tones 00 and 16. 3. Use the (VOLUME) slider to adjust the volume level.

Playing an Auto Accompaniment Pattern Auto Accompaniment patterns let you select from a number of different backup accompaniments that match a variety of different musical genres. · You also can enter a song number using the same procedure as tone number input. · To set up for successive play of all of the Song Bank songs, display "AL". Display "AL" by using the + and buttons to scroll to it, or press any number button from 1 through 9 without pressing 0 first.

Initial Default Settings Whenever you turn on the Digital Keyboard, it returns the tone number, song number, and all other settings to their initial defaults.

None of the settings you made the last time you used the Digital Keyboard are saved. 3. Press the (START/STOP) button to start playback of the Song Bank song(s). · Use a power outlet that is easily accessible so you can unplug the AC adaptor when a malfunction occurs or whenever else you need to do so. · The AC adaptor is intended for indoor use only.

Do not use it where it might be exposed to splashing or moisture. Do not place any container, such as a flower vase, that contains liquid on the AC adaptor. ·

Store the AC adaptor in a dry place. · Use the AC adaptor in an open, well-ventilated area. · Never cover the AC adaptor with newspaper, a table cloth, a curtain, or any other similar item. · Unplug the AC adaptor from the power outlet if you do not plan to use the product for a long time. · Never try to repair the AC adaptor or modify it in any way. · AC adaptor operating environment Temperature: 0 to 40°C Humidity: 10% to 90% RH · Output polarity: Using Built-in

Tones 1. Press the (TONE) button. 1.

Press the (PATTERN) button. Pattern number Tone number · Press the button again to stop playback. (TEMPO) y (slower) and t · You can use the (faster) buttons to adjust the speed of Song Bank play to one of 16 levels. The procedure for adjusting the speed (tempo) is the same as that for Auto Accompaniment patterns. (TONE) or (SONG BANK) button Press the to exit the tempo screen. · You cannot adjust tempo when playing back all songs (AL). Weld Lines Lines may be visible on the exterior of the product. These are "weld lines" that result from the plastic molding process. They are not cracks or scratches. Musical

Instrument Etiquette Always be aware of others around you whenever using this product.

@@@ Use the +.) buttons to enter the tone number. 2. @@ · You also can use the + (increment) and (decrement) buttons to change the displayed tone number. or the pattern list in this User's Guide, find the pattern you want and note its number.

Use the (Number, +.) buttons to enter the pattern number. · You also can enter a pattern number using the same procedure as tone number input. To turn off the melody part of a Song Bank song and play along on the keyboard 1. Press the This will turn off the melody part of the Song Bank song.

"M" disappears. (MELODY ON/OFF) button. · Design and specifications are subject to change without notice. · You can get information about accessories that are separately for this product from the CASIO keyboard catalog available from your retailer, and from the CASIO website at the following URL.

<http://world.casio.com/353637383940414243444546474849>.



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