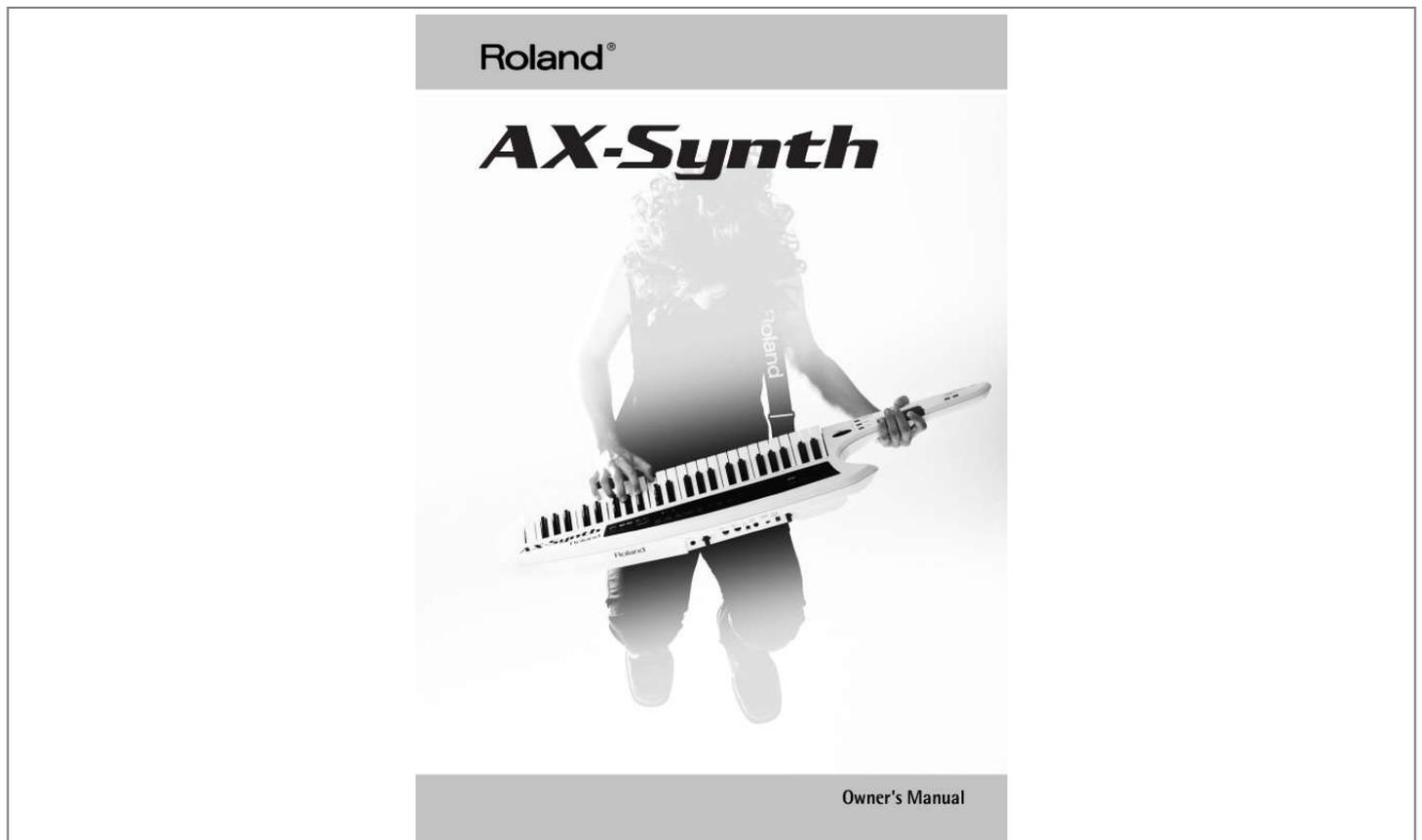




Your PDF Guides

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

User manual ROLAND AX-SYNTH
User guide ROLAND AX-SYNTH
Operating instructions ROLAND AX-SYNTH
Instructions for use ROLAND AX-SYNTH
Instruction manual ROLAND AX-SYNTH



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)
<http://yourpdfguides.com/dref/3014032>

Manual abstract:

-- 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. 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. Unauthorized changes or modification to this system can void the users authority to operate this equipment.

This equipment requires shielded interface cables in order to meet FCC class B Limit. For Canada NOTICE This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. AVIS For C.A.

US (Proposition 65) WARNING This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead. For the USA DECLARATION OF CONFORMITY Compliance Information Statement Model Name : Type of Equipment : Responsible Party : Address : Telephone : AX-Synth Shoulder Synthesizer Roland Corporation U.S. 5100 S. Eastern Avenue, Los Angeles, CA 90040-2938 (323) 890-3700 For the U.

K. IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE. NEUTRAL BLUE: 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. Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

ENGLISH r Shoulder Synthesizer Owner's Manual ENGLISH ENGLISH Thank you and congratulations on your choice of the Roland AX-Synth Shoulder Synthesizer. Fitted with a powerful sound engine, the AX-Synth represents the next generation of Roland's legendary AX-series of shoulder keyboards, with sounds derived from Roland's latest synthesizers. With its support for battery and wireless audio use and its stylish design, the AX-Synth allows keyboardists and other musicians to take center stage with mesmerizing keyboard solos, basslines, etc. In addition, the AX-Synth can be used to control MIDI sound modules, function as an input device for your computer-based DAW, to control samplers, etc. To avoid confusion, let's agree to... · ...

use the word "button" for all keys on the front panel, and only use "key" when referring to the AX-Synth's keyboard. · ...use "sequencer" when referring to both hardware sequencers and computers with sequencer software. · ...talk about "MIDI instruments" to signify both isolated ("monotimbral") instruments and parts/timbres/voices/multi channels of a multitimbral module or synth. The explanations in this manual include illustrations that depict what should typically be shown by the display.

Note, however, that your unit may incorporate a newer, enhanced version of the system (e.g., includes newer sounds), so what you actually see in the display may not always match what appears in the manual. Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" on p. 4 and "Important notes" on p.

6. These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference. ENGLISH ENGLISH ENGLISH Copyright ©2009 ROLAND EUROPE.

All rights reserved. No part of this publication may be reproduced in any form without the written permission of Roland Europe s.p.a. USING THE UNIT SAFELY Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly. Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers other adverse effects respect to the home furnishings, as well animals or pets. to damage or caused with and all its to domestic The symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.

The symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled. The symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the powercord plug must be unplugged from the outlet. · Do not open (or modify in any way) the instrument, and avoid damaging the AC adapter. · Do not attempt to repair the instrument, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. · If you do not use the AX-Synth as a shoulder keyboard, make sure you always have it placed so it is level and sure to remain stable.

Never place it on stands that could wobble, or on inclined surfaces. · Never use or store the AX-Synth in any of the following locations: · Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are · Damp (e.g., baths, washrooms, on wet floors); or are · Exposed to steam or smoke; or are · Subject to salt exposure; or are · Humid; or are · Exposed to rain; or are · Dusty; or are · Subject to high levels of vibration. · Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. · Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body.

Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock. · Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

· Do not excessively twist or bend the adaptor cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards! · This instrument, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the AX-Synth and consult an audiologist. · Do not allow any objects (e.g.

, flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the AX-Synth. · Immediately turn the power off, disconnect the adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when: · The AC adaptor, the power-supply cord, or the plug has been damaged; or · If smoke or unusual odor occurs · Objects have fallen into, or liquid has been spilled onto the unit; or · The unit has been exposed to rain (or otherwise has become wet); or · The unit does not appear to operate normally or exhibits a marked change in performance. · In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit. · Protect the AX-Synth from strong impact. Do not drop it! · Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords--the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through. · Before using the AX-Synth in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 4 r AX-Synth Owner's Manual ENGLISH · Batteries must never be heated, taken apart, or thrown into fire or water.

· The AX-Synth and the AC adaptor should be located so that their location or position does not interfere with its proper ventilation. · Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit. · DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result. · Never expose Ni-MH batteries to excessive heat such as sunshine, fire or the like. · At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire. · Try to prevent cords and cables from becoming entangled.

Also, all cords and cables should be placed so they are out of the reach of children. · Never climb on top of, nor place heavy objects on the AX-Synth. · Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit. ENGLISH ENGLISH · Before moving the AX-Synth, disconnect the AC adaptor and all cords coming from external devices. · Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (see p. 13). · Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet. · If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions. · Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.

· Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries. · Remove the batteries whenever the unit is to remain unused for an extended period of time. · If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation. · When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials. · The usable range of D Beam controller will become extremely small when used under strong direct sunlight. Please be aware of this when using the D Beam controller outside.

· Use a reasonable amount of care when using the instrument's buttons, other controls, and jacks/connectors. Rough handling can lead to malfunctions. · Never strike or apply strong pressure to the display. Placement · Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference. · This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers. · Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.

· Do not expose the AX-Synth to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the instrument. · When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the AX-Synth. Damage or malfunction may result if you attempt to use the AX-Synth in this condition. Therefore, before using the AX-Synth, you must allow it to stand for several hours, until the condensation has completely evaporated. · Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound. · Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

If you do so, please make sure that the unit will not slip or move accidentally.

Handling CD-ROMs · Avoid touching or scratching the shiny underside (encoded surface) of the CD-ROM. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner. *Precautions for batteries* · Never use alkaline or zinc-carbon batteries. · The temperature range for use of the batteries depends on the battery type being used. Please see the documentation that came with the batteries. · Do not use or store batteries at high temperature, such as in strong direct sunlight, in cars during hot weather or directly in front of heaters. This may cause battery fluid leakage, impaired performance and shorten the batteries' service life. · Do not splash fresh or saltwater on a battery or allow the terminals to become damp.

This may cause heat generation and formation of rust on the battery and its terminals.

· If newly purchased batteries exhibit rust, generate heat or seem abnormal in any other way, do not use them. Take them back to your dealer. · Keep the batteries out of reach of babies or small children. *Maintenance* · For everyday cleaning wipe the AX-Synth with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent.

Afterwards, be sure to wipe the instrument thoroughly with a soft, dry cloth. 6 r AX-Synth Owner's Manual ENGLISH · Be sure to carefully instruct any person on the proper way of handling batteries. · Never dispose of the battery in a fire. Never heat it. Doing so may melt the insulation, damage the gas release vents or protective devices, cause combustion through chemical reaction with generated hydrogen, ejection of battery fluid, bursting or fire. · Do not use batteries with the positive (+) and negative (-) terminals reversed, as this may drain the batteries or cause abnormal chemical reactions. · Do not strike or drop the batteries. Strong impact can cause leakage of battery fluid, heat generation, bursting or fire. · Never try to connect several batteries in parallel as this may cause leakage of battery fluid, heat generation, bursting or fire. · Do not alter or remove protective mechanisms or other parts. Never disassemble the batteries. · If any fluid from a battery comes in contact with the eyes, flush the eyes immediately, washing them thoroughly with clean water from a tap or other source and consult a doctor. Strong alkaline fluid can damage the eyes and lead to permanent loss of eyesight. · If skin or clothing comes in contact with any fluid from a battery, wash the area immediately with clean water from a tap. Battery fluid can cause skin damage.

· When a battery is no longer usable, dispose of it in accordance with all applicable local laws and regulations. · If a battery leaks fluid, changes color or shape or changes in any other way, do not use it, otherwise it may cause heat generation, bursting or fire. Copyright · Microsoft and Windows are registered trademarks of Microsoft Corporation. · Apple and Macintosh are registered trademarks of Apple Inc. · Mac OS is a trademark of Apple Inc. ENGLISH ENGLISH Battery handling · Incorrect handling of batteries, rechargeable batteries, or a battery charger can cause leakage, overheating, fire, or explosion. Before use, you must read and strictly observe all of the precautions that accompany the batteries, rechargeable batteries, or battery charger. When using rechargeable batteries and a charger, use only the combination of rechargeable batteries and charger specified by the battery manufacturer. *Strap holder precaution* · Never unscrew the strap pins to avoid damaging the AX-Synth's plastic housing, which eventually compromises overall stability and safety. · To avoid dropping the unit and damaging it or causing injuries to yourself or other people, be sure to double-check whether the supplied strap is securely attached to the two pins before using the AX-Synth.

· Roland Europe recommends installing commercially available strap locks for guitar to guard against damage and injuries caused by the strap coming loose while your are playing. ENGLISH ENGLISH ENGLISH 7 Important notes Contents USING THE UNIT SAFELY . . .

.....
.....
.....
.....
.....
.....

... 4 Important notes

.....
.....
.....
.....
.....
.....

.. 6 1. The AX-Synth in a nutshell

.....
.....
.....
.....
.....
.....

9 2. Panel descriptions

.....
.....
.....
.....
.....

.... 10 Front panel .

.....
.....

.....
.....
.....

.....
.....
.....

.... *10 Bottom panel*

.....
.....
.....

.....
.....
.....

.. *11 Connection panel (rear)*

.....
.....
.....

.....
.....
.....

..... *12 3. Making connections*

.....
.....
.....

.....
.....
.....

.. *13 Connecting the AC adaptor* ...

.....
.....
.....

.....
.....
.....

... *13 Inserting or replacing batteries* ..

.....
.....
.....

.....
.....
.....

..... *13 Connecting the AX-Synth* ...

.....
.....
.....

.....
.....
.....

..... 14 Using headphones

.....
.....
.....
.....
.....
.....

..... 16 Powering up ..

.....
.....
.....
.....
.....
.....

.. 17 4. Playing the AX-Synth ..

.....
.....
.....
.....

..... 18 Selecting 'regular' Tones ..

.....
.....
.....
.....
.....

..... 18 Selecting 'SuperNATURAL' and 'SPECIAL' Tones ...

.....
.....
.....
.....

.. 19 Grouping frequently-used Tones (FAVORITE)

.....
.....
.....

..... 19 5. Using the AX-Synth's performance functions ..

.....
.....
.....

..... 21 Master Tune .

.....
.....
.....
.....

.....
.....
.....

..... 21 Transpose . .

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

21 Shifting the keyboard pitch in octave steps

.....
.....
.....
.....

. . 22 Using the Modulation Bar

.....
.....
.....

.....
.....
.....

..... 22 Using the Touch Controller .

.....
.....
.....
.....

.....
.....
.....

..... 22 Aftertouch

.....
.....
.....
.....

.....
.....
.....
.....

..... 23 Using the D Beam controller

.....
.....
.....

.....
.....
.....
.....

. 23 Portamento

.....
.....

.....
.....
.....
.....

.....
.....
. 24 Sustaining notes. . . .

.....
.....
.....
.....

.....
.....
. . 25 6. Editing Tone settings. .

.....
.....
.....
.....

.....
.....
..... 26 Editing the volume and Reverb Send levels.

.....
.....
.....
.....

.....
.....
. . 26 7. Using the AX-Synth as MIDI controller

.....
.....
.....

.....
..... 27 MIDI messages that can be transmitted/received .

.....



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)
<http://yourpdfguides.com/dref/3014032>

..... 27 Activating the AX-Synth's MIDI transmission

..... 27 Setting the MIDI transmit channel

..... 27 Transmitting Program Change numbers

..... 28 Using the Bulk Dump function

29 8. Using the AX-Synth's USB port.

..... 31 General considerations

..... 31 Making the settings for the USB driver

32 9. About V-LINK.

.....
.....
.....
... 35 Control Change list

.....
.....
.....
.....
.....
.....
.....
..... 36 Tone list

.....
.....
.....
.....
.....
.....
.....
.....
..... 37 12. Specifications.

.....
.....
.....
.....
.....
.....
.....

..... 39 13. MIDI implementation chart. . .

.....
.....
.....
.....
.....
.....

... 40 14. Index

.....
.....
.....
.....
.....
.....
.....

..... 41 8 r AX-Synth Owner's Manual ENGLISH 1. The AX-Synth in a nutshell High-quality Internal sound source A "shoulder synthesizer", the AX-Synth comes with 256 high-quality sounds specially selected for solo performances, 4 SuperNATURAL™ sounds (Violin, Cello, Shakuhachi, Trombone) and 4 SPECIAL sounds (Trumpet, Sax, Strings and Jazz Scat).

All performance controls within reach The AX-Synth provides control functions that are conveniently and ergonomically built into its neck. The AX-Synth puts you in control of your sound: key velocity sensitivity, a D Beam controller, an AFTERTOUC^H knob, a modulation bar, a TOUCH CONTROLLER ribbon, a PORTAMENTO button, a HOLD button and a BENDER MODE button are built in. The D Beam controller can be set to transmit almost any control change message (CC) you may ever need. Finally, the AX-Synth sports a FOOT PEDAL socket to which you can connect a DP-series hold pedal. ENGLISH Cable-free live operation possible The AX-Synth can be powered by 8 rechargeable AA type Ni-MH batteries with a battery life of about 6 hours. If combined with a commercially available wireless system, it allows you to play wherever you like, to follow the singer or any other musician on stage, etc., with no cables to pay attention to. It even provides an attenuator switch to adapt its output level to the input sensitivity of the wireless system you are using. In-depth programming with the 'AX-Synth editor' The AX-Synth comes with dedicated editor and librarian software that allows you to modify (and save) all aspects of the internal sounds. Combined with this intuitive software, the AX-Synth becomes a fully-fledged synthesizer.

ENGLISH Convenient studio operation An AC adaptor and the USB port allow the AX-Synth to be used with a computer. Dedicated editor and librarian software is also available. The "AX-Synth Editor" software, which includes librarian software, can be downloaded free of charge from Roland's website: <http://www.Roland.com>.

ENGLISH ENGLISH ENGLISH 9 Panel descriptions 2. Panel descriptions Front panel A C D F G H I J B E A third, usually faster, way to select Tones is by holding down [SHIFT] while using the keys in the highest octave (NUMERIC KEYPAD). I FAVORITE A, B buttons These buttons allow you to select the corresponding bank of "favorite" Tones. J WRITE button The [WRITE] button is used to assign the desired Tones to the 16 memories of FAVORITE banks "A" and "B" and to save all settings you change. A PGM CHANGE INC & DEC buttons These buttons are used to transmit program change messages on the selected MIDI channel.

They work in a sequential fashion (incremental or decremental). Program change numbers can also be entered directly, however (see p. 28). B TX ON button This button is used to enable (button lights) or disable the transmission of MIDI messages. Pressing it while holding down the [SHIFT] button allows you to use the keys in the highest octave (NUMERIC KEYPAD) and the keys in the lowest octave (TX MIDI CHANNELS) for numeric entry of program change or MIDI channel numbers. C TRANSPOSE button Press this button to display the current transposition interval. Holding it while pressing the OCTAVE/VARIATION [+]/[-] buttons allows you to set the interval in semi-tone steps. D V-LINK button Press this button to activate the AX-Synth's V-LINK control function (see p. 33). E SHIFT button Pressing this button allows you to select the secondary (hidden) function of some of the other buttons.

F Display This three-character display keeps you posted about the selected Tone, mode or the parameter value you set. G TONE buttons These buttons are used to select the desired Tone family, SuperNATURAL, SPECIAL or FAVORITE Tone (the button you press lights blue). H VARIATION DEC/ & INC/+ buttons These buttons allow you to select a Tone from the active Tone family (see above) in a sequential fashion. This function can also be assigned to the OCTAVE/ VARIATION [+]/[-] buttons (page 18). 10 r AX-Synth Owner's Manual ENGLISH 'Neck' (control) section Front view M K Rear view L N O ENGLISH P K VOLUME knob This knob allows you to set the AX-Synth's overall output volume. Q R O D Beam controller & PITCH, FILTER & ASSIGNABLE buttons This controller allows you to influence the pitch or timbre of the notes you play, or to create unique effects by moving one hand up/down or left/right above the two "eyes". The buttons to its left allow you to assign the desired function to the D Beam controller (see p. 24). P PORTAMENTO button This button allows you to switch the Portamento function on and off. Q BENDER MODE button This button allows you to specify how the TOUCH CONTROLLER ribbon works.

Note: This function is not available for the SuperNATURAL Tones. L AFTER TOUCH knob This knob sends channel aftertouch messages for the notes you are playing (see p. 23). M OCTAVE/VARIATION (TRANSPOSE) buttons These buttons are used to transpose the AX-Synth's keyboard in steps of one octave (see p. 22).

You can also use these buttons to select Tone variations (see p. 18). If you hold down [TRANSPOSE] while pressing one of these buttons, the pitch changes in semi-tone steps.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

N MODULATION BARTOUCH CONTROLLER Press the modulation bar to add modulation to the notes you are playing. Behind the modulation bar lies the ribbon strip.

Slide your finger towards the left or right on this ribbon to change the pitch of the notes. **ENGLISH ENGLISH R HOLD** button This button allows you to hold the notes you are playing (see p. 25). **Bottom panel S S T S S ENGLISH S** Strap pins This is where you can attach the ends of the supplied strap. Choose any two pins. **T** Battery compartment This is where you can insert AA-type Ni-MH batteries. **ENGLISH 11** Panel descriptions Connection panel (rear) a c U V W X Y Z b d U **OUTPUT R & L/MONO** sockets These 1/4" sockets need to be connected to the inputs of a keyboard amplifier, mixer, etc. To take advantage of the AX-Synth mobility factor, consider using a commercially available wireless system. Note: If you can/want to use only one channel on your external amplifier, connect the L/MONO socket to its input. For optimum sound quality, we recommend working in stereo, though.

Note: Be sure to only use wireless transmitters that comply with local radio regulations. b **POWER** switch Set this switch to the ON position to switch the AX-Synth on. Select the OFF position to power off your AX-Synth. If you need to turn off the power completely (when using the supplied AC adaptor), first turn off the power switch, then disconnect the AC adaptor's power from the wall outlet. c **DC IN** socket This is where you can connect the supplied PSB-IU adaptor. d **Cord hook (2)** If you connect the supplied adaptor to the DC IN socket, be sure to wind its cable around this hook as a safeguard against accidental disconnection. v **ATT ON/OFF** switch If you are using 1/4" cables to connect the AX-Synth to an amplifier, etc., slide this switch to the "OFF" position. If you notice distortion while using a wireless system, slide this switch to the "ON" position to reduce the level of the AX-Synth's audio output signal. Note: Be sure to only use wireless transmitters that comply with local radio regulations.

W PHONES socket This is where you can connect a pair of optional headphones (Roland RH-25, RH-50, RH-200, RH-300, etc.). **X** Cord hook (1) This hook is intended to secure the MIDI cable connected to the MIDI OUT socket when you are using the AX-Synth as a shoulder keyboard. This is a safeguard against accidental disconnection. **Y** MIDI OUT, IN sockets Connect the MIDI IN socket to the device that should transmit MIDI messages to the AX-Synth.

Connect the MIDI OUT socket to the MIDI instrument you wish to control with your AX-Synth. **Z** USB port Connect this port to a free USB port on your computer using an "A--B"-type USB cable. a **FOOT PEDAL** socket This is where you can connect an optional Roland DP-series pedal. Note: Though you can also connect an expression pedal, any pedal you connect will act as Hold pedal. 12 r AX-Synth Owner's Manual ENGLISH 3.

Making connections Note: To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections. Note: When audio cables with resistors are used, the AX-Synth's volume level may be low. If this happens, use connection cables that do not contain resistors. **Inserting or replacing batteries** Eight AA batteries are required to run the AX-Synth on battery power. We recommend the use of rechargeable AA-type Ni-MH batteries. With these batteries you can expect about 6 hours of continuous operation, although this depends on how the AX-Synth is being used. Note: If you plan to use batteries, please disconnect the AC adaptor from the AX-Synth. Note: If batteries are installed, disconnecting or reconnecting the AC adaptor's power cord or the adaptor plug from the AX-Synth's DC IN socket while the power is on will cause the AX-Synth to turn off. You must turn off the power before connecting or disconnecting the power cord or AC adaptor. Note: Avoid using new batteries together with old ones.

In addition, avoid mixing different types of batteries (e.g. regular carbon and alkaline batteries). Note: When replacing batteries, be sure to insert them correctly (ensure correct polarity). Note: Remove the batteries whenever the AX-Synth is to remain unused for an extended period of time. **ENGLISH** Connecting the AC adaptor The AX-Synth can be powered either by 8 AA-type Ni-MH batteries or the supplied AC adaptor. (1) Make sure that the [POWER] switch is in the "OFF" position. (2) Turn the [VOLUME] knob to the lowest setting to minimize the volume. Note: Be sure to use only the supplied AC adaptor. Using any other type may cause malfunction or electric shock.

Note: If the AX-Synth is to remain unused for an extended period of time, unplug the adaptor. **ENGLISH (3)** Connect the included power cord to the AC adaptor. The indicator will light when you plug the AC adaptor into an AC outlet. **AC adaptor Power cord (1)** Switch off the AX-Synth. (2) Remove the battery cover located on the bottom of the instrument.

(b) Lift up. Indicator to an AC outlet (a) Press the tabs forward. **ENGLISH** Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards. Note: Depending on your region, the included power cord may differ from the one shown above. (4) Connect the AC adaptor to the DC IN jack on the AX-Synth's rear panel, and then plug the AC adaptor into an electrical outlet.

To prevent inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the AC adaptor jack, anchor the power cord using the cord hook, as shown in the illustration. **AX-Synth rear panel** Note: When turning the AX-Synth upside-down, get a bunch of newspapers or magazines, and place them under the four corners or at both ends to prevent damage to the buttons and controls. Also, you should try to orient the unit so no buttons or controls get damaged. Note: When turning the AX-Synth upside-down, handle with care to avoid dropping it, or allowing it to fall or tip over. **ENGLISH** Cord hook **ENGLISH 13** Making connections (3) Insert 8 rechargeable AA-type Ni-MH batteries into the compartment (4 on either side), taking care to orient them in accordance with the "+" and "" indications. **Connecting the AX-Synth** Connecting the AX-Synth to an amplifier, mixer, etc., using cables The AX-Synth needs to be connected to audio equipment, such as a keyboard amplifier, a mixing console, active speakers, etc. (1) Connect the OUTPUT jacks on the AX-Synth's rear panel to the input jacks of your external device. (4) Close the AX-Synth's battery compartment. **INPUT L & R** Battery charge indication If, while using batteries, three flashing dots appears in the display, the remaining battery power is low.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

Replace the batteries at your earliest convenience. Three constantly lit dots mean that you need to replace the batteries right away (or use the supplied adaptor). Note: The AX-Synth cannot recharge your batteries. Note: The battery charge indication is only an approximation. Please choose unbalanced (mono) cables with 1/4" jacks at one end (for the AX-Synth). The connectors at the other end need to match the input sockets of the device to which you are connecting the AX-Synth. Note: If your amplifier is monaural, you only need to connect the L/MONO socket. Note about rechargeable batteries Certain batteries can be recharged several times before they need to be replaced with a new ones. Note that it is normal for the batteries to last increasingly shorter as time goes by. At the end of their life cycle, they may only last one hour, for example.

But that is a gradual process. (2) Set the ATT switch to the "OFF" position. Note: You can also connect headphones to the PHONES socket, in which case you do not need to establish an audio connection. 14 r AX-Synth Owner's Manual ENGLISH Using a wireless system to connect the AX-Synth to your amplifier, etc. Using a commercially available wireless system and batteries has the advantage that you are free in your movements on stage--with no cables to worry about.

Note: Be sure to only use wireless transmitters that comply with local radio regulations. Controlling a MIDI-compatible sound source (1) Connect the AX-Synth's MIDI OUT socket to the MIDI IN socket of the module or synthesizer you want to control. MIDI OUT (1) Connect the wireless transmitters to the OUTPUT jacks on the AX-Synth's rear panel. AX-Synth (transmits MIDI messages) MIDI IN ENGLISH Module, synthesizer, etc. (receives MIDI messages)

Note: Do not forget to connect the module, synthesizer, etc.

, to an amplifier. See its manual for details. Wireless transmitters (2) Switch on the [TX/ON] button. Note: The shape of the wireless connectors depends on the model you are using. Note: If your amplifier is monaural, you need only one transmitter. Connect it to the L/MONO socket. ENGLISH (2) If the wireless receiver is intended for low-level signals (high input sensitivity), set the [ATT] switch to the "ON" position to reduce the AX-Synth's audio output level. Note: See page 27 for details about the AX-Synth's MIDI functions. Controlling the AX-Synth from an external MIDI device The AX-Synth's tone generator can also receive MIDI data and play the notes using the currently selected sound. The AX-Synth always receives on the MIDI channel that has the same number as the transmit channel you select (see p.

27). (1) Connect the AX-Synth's MIDI IN socket to the MIDI OUT socket of the instrument that should control the AX-Synth. MIDI IN "ATT" is short for "attenuator". (3) Connect the wireless receiver's audio output(s) to the mixing console, amplifier, etc. ENGLISH AX-Synth (receives MIDI messages) MIDI OUT ENGLISH Synthesizer, stage piano, etc. (transmits MIDI messages) ENGLISH 15 Making connections Working with a computer or sequencer If you want to use the AX-Synth as Master keyboard for recording applications that involve a computer with sequencing software, or take advantage of the "AX-Synth Editor" software, here is the most useful connection system: USB port Using headphones The AX-Synth has one jack for plugging in headphones. This allows you to play without having to worry about bothering others around you, even at night. (1) Plug the headphones into the [PHONES] jack located on the AX-Synth's rear panel. AX-Synth (transmits MIDI messages) Computer or sequencer (records and transmits MIDI messages) USB port MIDI OUT MIDI IN

Note: Use stereo headphones. Please use only Roland headphones.

Headphones from other manufacturers may be unable to provide sufficient volume. (2) The headphone volume can be adjusted with the [VOLUME] knob. Module, synthesizer, etc. (receives MIDI messages) (Not necessary when you are using the "AX-Synth Editor" software. Note: The AX-Synth is not multitimbral.

Some notes on using headphones · To prevent damage to the cord, handle the headphones only by the headset or the plug. · Connecting headphones when the volume of connected equipment is turned up may result in damage to the headphones. Lower the volume on the AX-Synth before plugging in the headphones. · Listening at excessively high volume levels will not only damage the headphones, but may also cause hearing loss. Use the headphones at a moderate volume level.

16 r AX-Synth Owner's Manual ENGLISH Powering up Once the connections have been completed (page 14), turn on the power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices. (1) Before you turn on the power, turn the [VOLUME] knob to the lowest setting to minimize the volume. (2) Slide the rear-panel [POWER] switch to the "ON" position to turn on the power. Turning the power off (1) Before you turn off the power, turn the [VOLUME] knob to the lowest setting. (2) Slide the [POWER] switch to the "OFF" position to turn off the power. If the AX-Synth is connected to a keyboard amp or audio amp, switch off the amp first, then turn off the AX-Synth. ENGLISH This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before it will operate normally. Note: If the AX-Synth is connected to a keyboard amp or audio amp, turn on the power of the AX-Synth first, and then switch on your amp.

ENGLISH (3) Turn the [VOLUME] knob to adjust the volume of the AX-Synth. The AX-Synth has a "sleep" function for reduced power consumption when you are using batteries. After several minutes of inactivity, all LEDs go dark, and only a dot will scroll through the display. To "wake" the AX-Synth, simply press a key or button. (This function is not available while you are using the supplied AC adaptor.) Note: See page 34 for how change the sleep interval. ENGLISH ENGLISH ENGLISH 17 Playing the AX-Synth 4. Playing the AX-Synth Selecting 'regular' Tones The AX-Synth contains 256 Tones derived from Roland's cutting-edge synthesizers, 4 "SuperNATURALTM" Tones, and 4 "SPECIAL" Tones. These sounds can be played via the 49 velocity-sensitive keys (or via MIDI). You can also use the OCTAVE/VARIATION [+]/[-] buttons on the neck to select Tones.

To do so, you first need to assign them the "Uar" function. (a) Hold down the [SHIFT] button and press OCTAVE/ VARIATION [+] or [-] to select "Uar" (see the display). Selecting 'regular' Tones sequentially The AX-Synth's "regular" Tones are grouped into 8 families with 32 "variations" (sounds) each.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

(1) Connect the AX-Synth to your amplifier (page 14) and switch it on (page 17). (2) If the [SuperNATURAL÷SPECIAL≠TONE], the FAVORITE [A] or [B] button lights, switch it off.

(3) Press one of the following buttons to select a Tone family: The [WRITE] button flashes. (b) Keep holding the [SHIFT] button and press the [WRITE] button to confirm your selection. You only need to make this selection once: the AX-Synth will remember it until you change it again. (c) Release the [SHIFT] button. (d) Use OCTAVE/VARIATION [+]/[-] to select Tones in the same way as VARIATION [DEC÷]/[INC÷+].

The family names of regular Tones are printed in white on the AX-Synth's front panel. The family button you press lights blue. When you press a family button, the AX-Synth automatically selects the last Tone you chose in this family since switching it on. (4) Use the VARIATION [DEC÷]/[INC÷+] buttons (whose legends are also white) to select a Tone from the selected family. Numeric selection of a 'regular' Tone To save time, you can also specify the number of the desired Tone directly: (1) Connect the AX-Synth to your amplifier (page 14) and switch it on (page 17). (2) Press one of the following buttons to select a Tone family: Press [INC÷+] to select the next Tone, or [DEC÷] to select the previous one. You may have to press the selected button several times to call up the sound you need. The display shows the number of the Tone you selected (1~32). To scroll through the available Tones of the active family, you can hold down either VARIATION [INC÷+] or [DEC÷]. (3) Press and hold the [SHIFT] button.

(4) Keep holding the [SHIFT] button and enter the desired variation number with the keys in the highest octave (NUMERIC KEYPAD). Confirm by pressing the highest key (ENTER). 18 r AX-Synth Owner's Manual ENGLISH You can repeat this step to select other sounds at a later stage. If you entered the wrong number, you can erase it by pressing the CANCEL key, then start again. (5) Release the [SHIFT] button. Grouping frequently-used Tones (FAVORITE) The AX-Synth provides 16 "FAVORITE" memories where you can "compile" the Tones you want to select at the press of two buttons during a live performance. If you like, you can change the volume and Reverb Send levels of the Tones before assigning them to the FAVORITE memories (see p. 26). Selecting SuperNATURAL' and SPECIAL' Tones There are four "SuperNATURAL" and four "SPECIAL" Tones for breathtakingly realistic solo performances.

Assigning a Tone to a FAVORITE memory (1) Select the Tone you want to assign to a FAVORITE memory.

See "Editing the volume and Reverb Send levels" on p. 26 if you want to change the Tone's volume and/or Reverb Send level before saving it. (2) Press the [WRITE] button (it flashes). ENGLISH Selecting 'SuperNATURAL' Tones SuperNATURAL is Roland's breakthrough sound-generating technology that enables a new level of realism and expression. SuperNATURAL reproduces the delicate, organic tonal changes and playing nuances of acoustic and electric musical instruments.

The AX-Synth contains four SuperNATURAL sounds: VIOLIN, CELLO, SHAKUHACHI and TROMBONE. (1) Connect the AX-Synth to your amplifier (page 14) and switch it on (page 17). (2) Press the [SuperNATURAL÷SPECIAL≠TONE] button. ENGLISH (3) Press the FAVORITE [A] or [B] button to select the bank. (3) Press one of the first four TONE buttons to select the corresponding SuperNATURAL Tone.

See the blue legends above the buttons. Note: Switch off the [SuperNATURAL÷SPECIAL≠TONE] button if you want to select a "regular" Tone again. The FAVORITE button you press lights and the display shows "A -" (bank "A") or "b -" (bank "B"). (4) Press one of the eight TONE buttons to specify the target memory (see the red numbers below the buttons). The button you press lights and the [WRITE] button goes dark. Note: To select a "regular" Tone again, press the [A] or [B] button that lights to switch it off. ENGLISH Selecting 'SPECIAL' Tones There are four "special" Tones: TRUMPET, SAX, STRINGS and JAZZ SCAT. These sounds are based on a different technology than SuperNATURAL Tones. (1) Connect the AX-Synth to your amplifier (page 14) and switch it on (page 17). (2) Press the [SuperNATURAL÷SPECIAL≠TONE] button.

ENGLISH (3) Press one of the last four TONE buttons to select the corresponding SPECIAL Tone. Note: Switch off the [SuperNATURAL÷SPECIAL≠TONE] button if you want to select a "regular" Tone again. ENGLISH 19 Playing the AX-Synth Recalling FAVORITE memories To select the Tones assigned to the FAVORITE memories, proceed as follows. (1) Press the FAVORITE [A] or [B] button to select the bank. The FAVORITE button you press lights and the display shows "A -" (bank "A") or "b -" (bank "B"). (2) Press one of the eight TONE buttons to select the desired FAVORITE memory in the currently selected bank. You can also use the VARIATION [DEC÷]/[INC÷+] buttons to select the FAVORITE memories sequentially, which may be handy for live performances. This procedure does not allow you to change banks (from "A" to "B" and vice versa), however. Note: When the "Uar" function is selected (see p. 3~466.2Hz. @@@@The setting range is 415.

3~466.2Hz. @@@@ (3) Release the [TRANPOSE] button and start playing. @@@@If the display reads "OCS" or "Var", however..

. @@ You only need to do this once: the AX-Synth will remember this setting until you change it again. The [WRITE] button now flashes. (c) Press the [WRITE] button (it goes dark). (d) Release the [SHIFT] button.

(2) Press the OCTAVE/VARIATION [+] button to temporarily transpose the keyboard's pitch one octave up ("1"). Press [-] to temporarily transpose the keyboard's pitch one octave down ("1"). (3) To return to standard pitch ("0"), release the OCTAVE/VARIATION [+] or [-] button. If the display reads "OCS", there is nothing you need to do, so continue with step (2) below. If the display reads "OCH" or "Var", however... (b) Keep holding [SHIFT] and press OCTAVE/VARIATION [+] or [-] to select "OCS". You only need to do this once: the AX-Synth will remember this setting until you change it again. The [WRITE] button now flashes.

(c) Press the [WRITE] button (it goes dark). (d) Release the [SHIFT] button. (2) Press the OCTAVE/VARIATION [+] button to select a higher octave ("1"~"3"), or use [-] to select a lower octave ("1"~"3"). The button you pressed lights if the octave interval is different from "0".



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

The selected value briefly flashes in the display and the OCTAVE/VARIATION button you pressed lights. (3) To return to standard pitch ("0"), press OCTAVE/ VARIATION [+] and [-] simultaneously. The OCTAVE/VARIATION [+] and [-] go dark to indicate that the keyboard's octave has returned to normal pitch. Using the Modulation Bar Press the Modulation Bar to generate MIDI Modulation messages (CC01). Modulation bar What happens now depends on the Modulation assignment of the Tone you are using. (This needs to be specified using the "AX-Synth Editor" software.)

) In most cases, pressing this bar generates a vibrato effect. If you select a SuperNATURAL Tone (VIOLIN~ TROMBONE), however, it acts as "Dynamics" function. Using the Touch Controller The AX-Synth also provides a TOUCH CONTROLLER ribbon that allows you to change the sound by sliding a finger towards the left or right. Octave Hold mode This mode means that the keyboard's pitch is only shifted one octave up or down while you press the OCTAVE/VARIATION [+] or [-] button. When you release the button, the keyboard's pitch returns to normal.

This can be used to quickly play a few notes in a higher or lower octave before returning to the keyboard's normal pitch. TOUCH CONTROLLER ribbon What happens now depends on the assignment for the Tone you are using. (This needs to be specified using the "AX-Synth Editor" software.) 22 r AX-Synth Owner's Manual ENGLISH In most cases, the ribbon allows you to change the pitch of the notes you are playing (Pitch Bend). Using the D Beam controller

The D Beam controller can be used simply by waving your hand over it.

Depending on the function you select, the D Beam controller can be used to apply various effects and to modify the sounds. The usable range of the D Beam controller The diagram shows the usable range of the D Beam controller. Waving your hand outside this range will produce no effect. Note: The usable range of the D Beam controller will become extremely small when used under strong light. Selecting the Bender Mode The [BENDER≠MODE] button at the back of the neck can be used to select one of two modes for the TOUCH CONTROLLER ribbon: ENGLISH [BENDER≠MODE] The ribbon works like any Pitch Bend device, i.e. it immediately affects the pitch is off (Normal mode) of the notes you are playing. [BENDER≠MODE] lights (Catch + Last mode) If you place a finger somewhere off center on the Touch Controller (not in the middle) and then play a note, that note uses its normal pitch. To bend it at a later stage, keep holding the note and slide your finger past the Touch Controller's center. If you first play a note and then slide a finger over the Touch Controller, the note's pitch changes immediately.

Subsequent notes you play while still touching the ribbon will use their normal pitch, however. Combining these two techniques allows you to simulate "double bendings" of electric guitarists. (1) Select the function you want the D Beam controller to perform by pressing one of the following buttons: ENGLISH PITCH Moving your hand over the D Beam controller changes the pitch of the notes you are playing. Moving your hand over the D Beam controller changes the cutoff frequency (brightness). Change message (see below). FILTER ASSIGNABLE The D Beam transmits the selected Control ENGLISH Aftertouch The [AFTER≠TOUCH] knob can be used to generate channel aftertouch messages for the notes you are playing. The AX-Synth's keyboard does not transmit these messages (it is velocity sensitive, however). (2) While you play the keyboard to produce sound, place your hand above the D Beam controller and move it slowly up and down. The button you pressed in step (1) above flashes. (3) To turn off the D Beam controller, once again press the button you pressed in step (1) so the indicator goes dark.

ENGLISH What happens now depends on the aftertouch assignment of the Tone you are using: the knob may change the Tone's level or pitch, generate filter sweeps etc. (This needs to be specified using the "AX-Synth Editor" software.) Note: The knob does not return to its minimum setting automatically. Do not forget to turn it back to zero if you no longer need the aftertouch functionality. ENGLISH 23 Using the AX-Synth's performance functions Assigning a different function to the D Beam controller Portamento "Portamento" means that the pitch of the notes you play doesn't change in clearly defined steps: it glides from one note to the next.

While the functions of the D BEAM [PITCH] and [FILTER] buttons are fixed, you can assign a MIDI control change number (CC) to the [ASSIGNABLE] button to control the desired parameter in real-time. (1) Hold down the [SHIFT] button while pressing the [ASSIGNABLE] button. The current assignment now flashes in the display. The speed of those pitch changes can be set for each Tone individually using the "AX-Synth Editor" software. For "regular" Tones, Portamento can be switched on or off by pressing the [PORTAMENTO] button repeatedly: press it once to switch it on (the button lights), press it again to switch it off.

For the SuperNATURAL Tones (VIOLIN~TROMBONE), however, you can select one of two modes. C01 (This is only an example.) The [WRITE] button flashes. (2) Keep holding the [SHIFT] button and select a different assignment with the VARIATION [DEC÷]/[INC÷+] buttons. The setting range is "C01"~"C95" ("C32" is not available). See the "MIDI implementation chart" on p. 40 to find out which control change numbers the AX-Synth understands. To control a specific parameter of an external instrument, see the manual for that instrument. Note: You can hold down [DEC÷] or [INC÷+] or hold one while pressing the other to speed up this operation. Selecting the Portamento mode As stated above, this mode selection is only available for SuperNATURAL Tones.

The other Tones do not support "Hld" mode. However, if you are sure that you always want to use "Hld" mode for SuperNATURAL Tones, switch it on now--it will be ignored by the remaining Tones but used whenever you select a SuperNATURAL Tone. Here is how to select a different mode: (1) Select a SuperNATURAL Tone (any of the four). (2) Press and hold the [SHIFT] button. (3) Press the [WRITE] button to confirm your choice. (3) Keep holding [SHIFT] and press [PORTAMENTO] once or twice to select the desired mode: Note: This selection is remembered even after switching the AX-Synth off. (4) Release the [SHIFT] button. Please use your thumb to avoid having to flip the AX-Synth over: you need to be able to see the display. The [WRITE] button flashes. The display shows your selection: Hld The Portamento effect will be applied while you hold down the [PORTAMENTO] button.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>

Releasing the button switches off the Portamento effect. Pressing the [PORTAMENTO] button once (it lights) switches the effect on. Pressing it again switches it off. SUt 24 r AX-Synth Owner's Manual ENGLISH (4) Confirm your selection by pressing the [WRITE] button. Note: This selection is remembered even after switching the AX-Synth off.

(5) Release the [SHIFT] button Sustaining notes The AX-Synth provides two controls for holding the notes you are currently playing. ENGLISH HOLD button This button allows you to hold the notes you play on the keyboard in much the same way as on an acoustic piano. ENGLISH Play a note or chord and press [HOLD] to sustain the note(s). FOOT PEDAL socket Also called "sustain" or "damper", an optional footswitch you connect to the FOOT PEDAL socket allows you to hold the notes you play on the keyboard in much the same way as on an acoustic piano. ENGLISH Optional footswitch (Roland DP-series, BOSS FS-5U) For obvious reasons, connecting a footswitch to the AX-Synth while using it to move around on stage seems impractical.

In such cases, we recommend using the [HOLD] button. Note: Please use a Roland DP-series or a BOSS FS-5U footswitch to ensure that it uses the correct polarity (on when pressed, off when released). Note: The AX-Synth does not support expression pedals. ENGLISH ENGLISH 25 Editing Tone settings 6. Editing Tone settings Editing the volume and Reverb Send levels Though most sound parameter can only be edited using the dedicated "AX-Synth Editor" software and a computer, you can change the volume and Reverb Send levels of the Tones on the AX-Synth itself and save those changes to a FAVORITE memory. Note: The two parameters discussed here are not available for SuperNATURAL or SPECIAL Tones. Note: All parameters of the AX-Synth can be edited using the dedicated "AX-Synth Editor" software. This software can be downloaded free of charge from Roland's website (<http://www.Roland.com>).

(6) Press the TONE button used in step (3) again. The "reU" message briefly flashes in the display: reU This message refers to the Tone's Reverb Send parameter. (7) Wait until the Reverb Send value is displayed. (8) Keep holding the [SHIFT] button and use VARIATION [DEC÷]/[INC÷+] to select the desired setting (0~127). Note: You can hold down VARIATION [DEC÷] or [INC÷+], or hold one while pressing the other to speed up this operation. (1) Select the "regular" Tone whose volume and or Reverb Send level you want to set (see p. 18). Note: The "VOL" and "reU" parameters are not available for SuperNATURAL or SPECIAL Tones. (9) Release the [SHIFT] button. (10) Start playing to check whether your settings correspond to what you had in mind. Note: Do not select other sounds at this stage, or switch off the AX-Synth, because that would cancel the settings you have made so far. (2) Press and keep holding the [SHIFT] button. If you like your settings, continue with step (11). If you don't, return to step (2). (11) Press the [WRITE] button. The display now shows "---". (3) Keep holding the [SHIFT] button and press the TONE button of the sound you selected in step (1) above (i.e. the button that lights). The "UOL" message briefly flashes in the display.

UOL This message refers to the Tone's volume parameter. Note: Skip to step (6) if you only need to change the Reverb Send level. The [WRITE] button now flashes. (12) Press the FAVORITE [A] or [B] button to select the bank and then choose (4) Wait until the volume value is displayed. (5) Keep holding the [SHIFT] button and use VARIATION [DEC÷]/[INC÷+] to select the desired setting (0~127). (13) Press one of the eight TONE buttons to select the target memory. Note: You can hold down VARIATION [DEC÷] or [INC÷+], or hold one while pressing the other to speed up this operation. Note: If you don't want to change the Reverb Send level, skip to step (9). 26 r AX-Synth Owner's Manual ENGLISH 7. Using the AX-Synth as MIDI controller The AX-Synth can transmit and receive performance data when connected to an external MIDI device, which enables the two devices to control each other's performance.

For example, one device can play or switch sounds on the other device. MIDI stands for "Musical Instrument Digital Interface." It is a universal standard for exchanging musical performance data among electronic musical instruments and computers. Please see page 15 for how to connect the AX-Synth to your MIDI rig. MIDI messages that can be transmitted/received The most important MIDI messages the AX-Synth can transmit and receive are: Message Note On/Off Velocity Aftertouch Transmission: striking force of the AX-Synth's keys Transmission: channel aftertouch via [AFTER TOUCH] knob (not from the keyboard). Reception: polyphonic & channel aftertouch. Transmission also without changing sounds on the AX-Synth Transmission: cannot be specified on the AX-Synth. Transmission: TOUCH CONTROLLER and/or D Beam CC01, transmission: MODULATION BAR CC64, [HOLD] button & optional footswitch connected to [FOOT PEDAL] Transmission: the control change number assigned to the D BEAM [ASSIGNABLE] button. Activating the AX-Synth's MIDI transmission If you want the AX-Synth to transmit MIDI messages, proceed as follows: (1) Connect the AX-Synth's MIDI OUT socket to the MIDI IN socket of the device you wish to control. (2) Switch on the [TX ON] button (it must light).

ENGLISH Remarks ENGLISH Program Change Bank Select Pitch Bend Modulation Hold/Sustain CC01~31, CC33~95 Note: Activating this button does not bypass the AX-Synth's internal sound source. Setting the MIDI transmit channel The transmit ("TX") channel can be set to match the reception channel of the instrument you want to control. MIDI provides sixteen channels, numbered 1~16. Even if two MIDI devices are connected, you won't be able to select or play sounds on the other device unless both devices are set to the same MIDI channel. (1) Press and hold the [SHIFT] button.

ENGLISH a. The AX-Synth has no Local switch. To control a MIDI device without hearing its internal sound source, set the [VOLUME] control to the minimum value, disconnect the AX-Synth's OUTPUT sockets or turn down the volume on your amplifier, mixing console, etc. b. The AX-Synth does not allow you to enter Bank Select messages (CC00 and CC32) for the Program Change numbers you transmit using the PGM CHANGE functionality. However, when you select an internal sound, its Bank Select address (CC00 and CC32, see also page 37) will be transmitted along with its program Change number. Please see the "MIDI implementation chart" on p. 40 for a complete overview of the supported MIDI messages.



[You're reading an excerpt. Click here to read official ROLAND AX-SYNTH user guide](http://yourpdfguides.com/dref/3014032)

<http://yourpdfguides.com/dref/3014032>