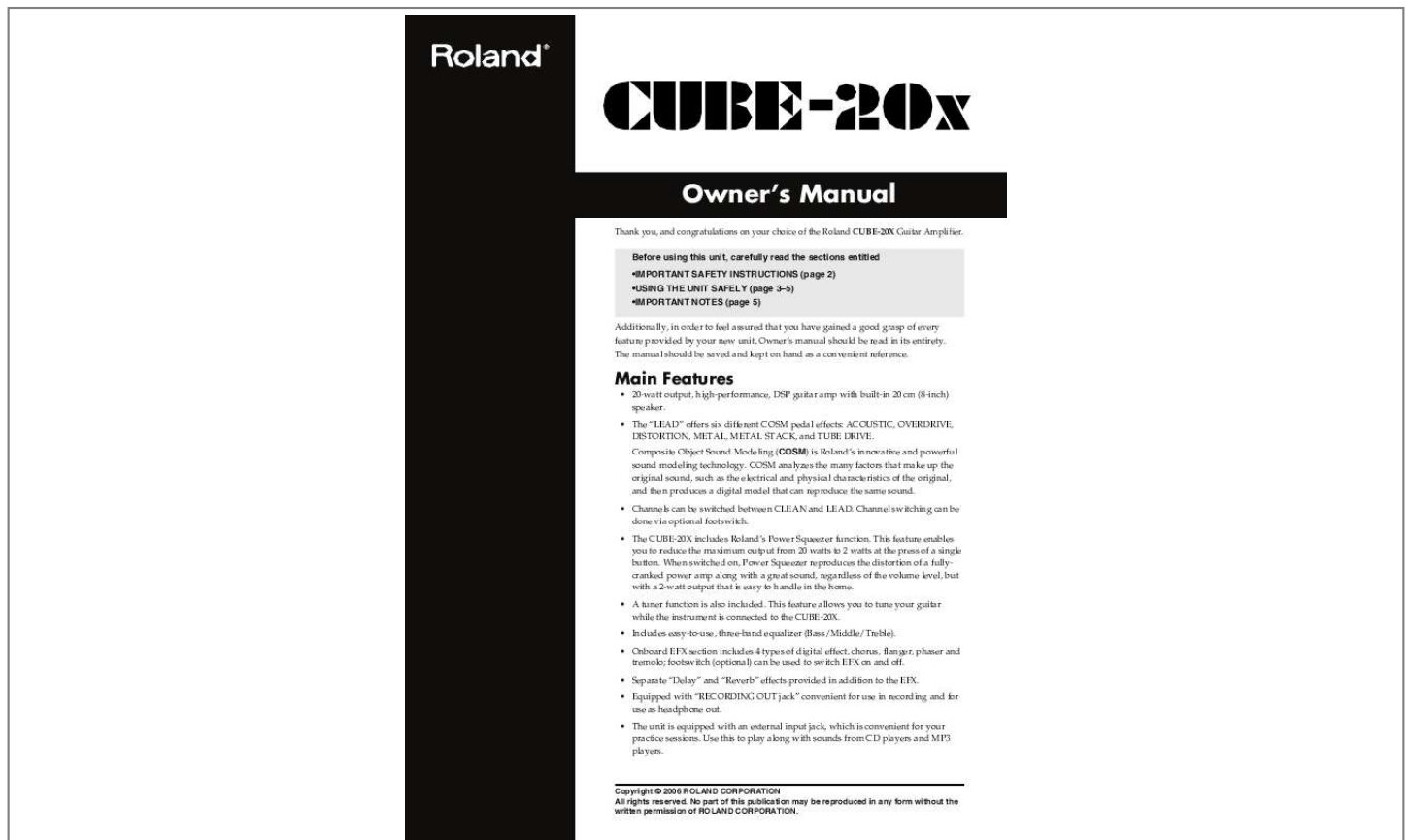




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ROLAND CUBE-20X. You'll find the answers to all your questions on the ROLAND CUBE-20X in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ROLAND CUBE-20X  
User guide ROLAND CUBE-20X  
Operating instructions ROLAND CUBE-20X  
Instructions for use ROLAND CUBE-20X  
Instruction manual ROLAND CUBE-20X



The image shows the cover of the Roland CUBE-20X Owner's Manual. The cover is black with the Roland logo in white at the top left. The product name 'CUBE-20X' is written in large, bold, white letters. Below it, 'Owner's Manual' is written in a smaller white font. The main body of the cover is white and contains the following text:

Thank you, and congratulations on your choice of the Roland CUBE-20X Guitar Amplifier.

Before using this unit, carefully read the sections entitled

- IMPORTANT SAFETY INSTRUCTIONS (page 2)
- USING THE UNIT SAFELY (page 3-5)
- IMPORTANT NOTES (page 5)

Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

**Main Features**

- 20-watt output, high-performance, DSP guitar amp with built-in 20 cm (8-inch) speaker.
- The "LEAD" offers six different COSM pedal effects: ACCUSTIC, OVERDRIVE, DISTORTION, METAL, METAL STACK, and TUBE DRIVE. Composite Object Sound Modeling (COSM) is Roland's innovative and powerful sound modeling technology. COSM analyzes the many factors that make up the original sound, such as the electrical and physical characteristics of the original, and then produces a digital model that can reproduce the same sound.
- Channels can be switched between CLEAN and LEAD. Channel switching can be done via optional footswitch.
- The CUBE-20X includes Roland's Power Squeezer function. This feature enables you to reduce the maximum output from 20 watts to 2 watts at the press of a single button. When switched on, Power Squeezer reproduces the distortion of a fully-cranked power amp, along with a great sound, regardless of the volume level, but with a 2-watt output that is easy to handle in the home.
- A tuner function is also included. This feature allows you to tune your guitar while the instrument is connected to the CUBE-20X.
- Includes easy-to-use, three-band equalizer (Bass/Middle/Treble).
- Onboard EFX section includes 4 types of digital effect: chorus, flanger, phaser and tremolo; footswitch (optional) can be used to switch EFX on and off.
- Separate "Delay" and "Reverb" effects provided in addition to the EFX.
- Equipped with "RECORDING OUT" jack, convenient for use in recording and for use as headphone out.
- The unit is equipped with an external input jack, which is convenient for your practice sessions. Use this to play along with sounds from CD players and MP3 players.

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**Manual abstract:**

COSM analyzes the many factors that make up the original sound, such as the electrical and physical characteristics of the original, and then produces a digital model that can reproduce the same sound. · Channels can be switched between CLEAN and LEAD. Channel switching can be done via optional footswitch. · The CUBE-20X includes Roland's Power Squeezer function. This feature enables you to reduce the maximum output from 20 watts to 2 watts at the press of a single button. When switched on, Power Squeezer reproduces the distortion of a fullycranked power amp along with a great sound, regardless of the volume level, but with a 2-watt output that is easy to handle in the home. · A tuner function is also included. This feature allows you to tune your guitar while the instrument is connected to the CUBE-20X. · Includes easy-to-use, three-band equalizer (Bass/Middle/Treble). · Onboard EFX section includes 4 types of digital effect, chorus, flanger, phaser and tremolo; footswitch (optional) can be used to switch EFX on and off. · Separate "Delay" and "Reverb" effects provided in addition to the EFX. · Equipped with "RECORDING OUT jack" convenient for use in recording and for use as headphone out. · The unit is equipped with an external input jack, which is convenient for your practice sessions. Use this to play along with sounds from CD players and MP3 players. Copyright © 2006 ROLAND CORPORATION All rights reserved.

No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION. **IMPORTANT SAFETY INSTRUCTIONS WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. **CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user 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 the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. **INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS. IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS WARNING** - When using electric products, basic precautions should always be followed, including the following: 1. 2. 3. 4. 5. 6. 7.

8. Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with a dry cloth. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions. @@@@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. @@10. @@11. Only use attachments/accessories specified by the manufacturer.

12. Unplug this apparatus during lightning storms or when unused for long periods of time. 13. 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.

9. For the U.K. **IMPORTANT: THE WIRES IN THIS 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**. Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug. 2 **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. @@@@ @@@@ Damaged cords are fire and shock hazards! @@@@ @@@@ ...

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... 011 · Never use or store the unit in places that are: · 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 · Humid; or are · Exposed to rain; or are · Dusty; or are · Subject to high levels of vibration. ..

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..... 007 · Do not allow any objects (e.  
g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit. ..

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.... 012a · 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. ....

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.. 008a · Immediately turn the power off, remove the power cord 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 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. ....

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..... · *The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the unit.*

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..... 3 013 · *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.*



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... 014 Placement 351 · 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.

352a · Protect the unit from strong impact. (Do not drop it!) ....

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.. 015 · This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers. 352b · 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. ...

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... 016 · 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. 354b · Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. ...

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... 026 · Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosure. Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.

· Do not remove the speaker grille and speaker by any means. Speaker not user replaceable. Shock hazardous voltages and currents are present inside the enclosure. **IMPORTANT NOTES** 291b In addition to the items listed under "IMPORTANT SAFETY INSTRUCTIONS" and "USING THE UNIT SAFELY" on pages 2, 3, 4 and 5, please read and observe the following: Power Supply 301 Additional Precautions 553 · Do not connect this unit to same electrical outlet that is being used by an electrical appliance that can be easily adjusted if you set the CLEAN or LEAD channel VOLUME as shown in the diagram on the right. **TUNING** You can use "manual tuning," whereby you switch to each individual string to tune it separately, and "chromatic tuning," which automatically determines the closest pitch to that played by the string. Tuning in "Manual Mode" 1. Press the TUNER switch. 2. Use the Type switch to select the name of the string you want to tune, then play a single note on the open string. \* No sound is played through the unit's speaker while the tuner function is in use. When Using Headphones Connect headphones to this jack. @@@@\* This unit is equipped with a protection circuit. @@@@\* Refer to "Power Supply" (p. 5).

@@@Tune the string until the green indicator lights.

@@@@@@2. Play a single note on the open string you want to tune. 3. @@@@@1. @@2.

@@3. Turn on the CUBE-20X. 4. Switch on any equipment connected to the CUBE-20X's RECORDING OUT/PHONES jack. 5. Adjust the volume levels for the devices. 6. Before switching off the power, lower the volume on each of the devices in your system and then TURN OFF the devices in the reverse order to which they were switched on. \* This unit is equipped with a protection circuit. @@For protection from sudden big sound, always make sure to have the volume level turned down before switching on power.

Even with the volume all the way down, you may still hear some sound when the power is switched on and off, but this is normal, and does not indicate a malfunction. 945 \* @@Refer to "Power Supply" (p. @@@@Used with a humbucking pickup in the rear position, it results in an extreme distortion effect. Plus, you can add a long delay to use this as a lead sound with great sustain. Adding a short delay produces a doubling sound like that from two performers playing the same phrases simultaneously. SELECT : LEAD Space Clean This is a transparent sound using special effects. Select the JC CLEAN amp, modeled on the Roland JC-120, then add chorus and long delay. Using this setting with a guitar equipped with single coil pickups makes great sounding arpeggios and chord strumming. Depending on the phrase being played, it can be effective to set the delay sound's delay time slightly slower than the phrase's tempo. SELECT: JC CLEAN Power Grunge This produces a raging distortion sound that is very trebly and roughly textured.

Setting the GAIN knob to prevent excessive distortion of the guitar sound results in a straight guitar sound with brilliant harmonics and powerful chord sounds. @@@@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. 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 user's 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 Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.  
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