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You can read the recommendations in the user guide, the technical guide or the installation guide for ROLAND CUBE-40XL. You'll find the answers to all your questions on the ROLAND CUBE-40XL in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Roland

## Owner's Manual

Guitar Amplifier

**CUBE CUBE**  
**40XL 80XL**

Owner's Manual

English

Bedienungsanleitung

Deutsch

Mode d'emploi

Français

Manuale dell'utente

Italiano

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**Manual abstract:**

· Foot switch (optional) can be used to switch EFX/SOLO on and off 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. Looper function lets you record, play back, and overdub the phrases you perform (p. 14) Italiano Nederlands Português Español · You can record a phrase you play, and then enjoy performing with that phrase as your backing. Maximum recording time is approximately 80 seconds. "EFX" provides five types of effects, plus independent reverb and delay (p. 6, p. 7) · Onboard EFX section includes 5 types of digital effect, CHORUS, FLANGER, PHASER, TREMOLO, and HEAVY OCTAVE. · You can use a foot switch (optional) to turn EFX, delay, and reverb on/off.

A tuner function is included (p. 11) · An easy-to-operate tuner is built in. This even supports flat tuning and seven-string guitars. Chromatic tuning is possible, too. Equipped with an AUX IN jack, which is convenient for your practice sessions (p.

9) · Use this to play along with sounds from CD players and digital audio players. Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS" (inside front cover), "USING THE UNIT SAFELY" (p. 2), and "IMPORTANT NOTES" (p. 3). 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, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference. Copyright © 2010 ROLAND CORPORATION All rights reserved. No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION Roland is a registered trademark of Roland Corporation in the United States and/or other countries Français Deutsch English This is a compact, high-performance DSP guitar amp with 40 W output and a 25 cm (10-inch) speaker. USING THE UNIT SAFELY About WARNING and CAUTION Notices About the Symbols 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 power-cord plug must be unplugged from the outlet. 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 to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets. ALWAYS OBSERVE THE FOLLOWING WARNING (for CUBE-80XL only) Connect mains plug of this model to a mains socket outlet with a protective earthing connection. Do not open or perform any internal modifications on the unit. Do not attempt to repair the unit, 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.

Never install the unit in any of the following locations. · 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 sandy; or are · Subject to high levels of vibration and shakiness. 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. The unit should be connected to a power supply only of the type described as marked on the rear side of unit. Do not excessively twist or bend the power 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 unit, 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 unit, and consult an audiologist. Do not place containers containing liquid on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions. WARNING 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.

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 unit from strong impact. (Do not drop it!) (for CUBE-80XL only) A small amount of heat will radiate from the unit during normal operation. Do not use the unit in an area with less than the air space shown below. 30 cm (12 in.) or greater CAUTION The unit should be located so that its location or position does not interfere with its proper ventilation. Always grasp only the plug on the power-supply cord when plugging into, or unplugging from an outlet. At regular intervals, you should unplug the power plug 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.



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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 unit. Never handle the power cord or its plug with wet hands when plugging into, or unplugging from, an outlet. Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.

Before cleaning the unit, turn off the power and unplug the power cord from the outlet (p. 7). Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet. The cooling vents on the rear side of the unit may become hot, so take care to avoid burns. Front 5 cm (2 in.) or greater Side 15 cm (6 in.) or greater 20 cm (8 in.) or greater 20 cm (8 in.) or greater 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 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. 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.

**2 IMPORTANT NOTES Power Supply** · Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet. · Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices. · Although the LEDs are switched off when the POWER switch is switched off, this does not mean that the unit has been completely disconnected from the source of power. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible. **Repairs and Data** · Please be aware that unit settings or the contents of the solo function stored in memory may be lost when the unit is sent for servicing. Important data should always be written down on paper.

Roland assumes no liability with respect to recovery of any lost data. **Additional Precautions** · Please be aware that unit settings or the contents of the solo function stored in memory can be irretrievably lost as a result of a malfunction or the improper operation of the unit. To protect yourself against the risk of losing important data, we recommend that you periodically write down on paper any important data you have stored in the unit's memory. · Roland Corporation assumes no liability with respect to recovery of any lost unit settings or contents of the solo function stored in memory. · Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors.

**Rough handling can lead to malfunctions. 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 unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed ure to wipe the unit thoroughly with a soft, dry cloth. · Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation. **Trademarks** · The product names mentioned in this document are trademarks or registered trademarks of their respective owners, and are not related to Roland Corporation. In this manual, these names are used because it is the most practical way of describing the sounds that are simulated using COSM technology. **3 Nederlands Maintenance Español Italiano Français Deutsch English** · When connecting / disconnecting all cables, grasp the connector itself--never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements. **Panel Descriptions Control Panel**  
CUBE-40XL 11 12 13 15 16 17 18 19 20 1 5 11 2 12 3 13 6 14 7 15 8 16 9 10 21 21 CUBE-80XL 17 18 19 1 1.

**INPUT Jack 4 5 2 3 6 7 8 9 10** Connect your electric guitar here. **JC CLEAN Channel** This is a model of Roland's famous JC-120 Jazz Chorus guitar amplifier. The ultra-clean, ultra-flat sound offers a smooth feel. This amp is ideal for creating sounds in combination with a multi-effects device. **2. [SELECT] Switch** Switches between the JC CLEAN and LEAD channels. The indicator shows you which channel is selected. Channels can be switched using optional BOSS FS-5U, FS-5L or FS-6 foot switches. **4. [BRIGHT] Switch (CUBE-80XL only)** This makes the mid and high ranges more brilliant, for a crisper sound. **3. [TUNER] Switch** Use this when you want to tune your guitar. When you turn on the switch, it will light red, and you'll be able to use the Tuner function.

For more detailed information, refer to "Using the Tuner Function" (p. 11) 5.

**[VOLUME] Knob** This adjusts the volume level of the JC CLEAN channel. As an original function on this unit, this can produce a powerful crunch at volume levels near the maximum. **4 LEAD Channel 6. Type switch** Use this to select the COSM amp type. If the Tuner function is on, use this to select the string that you're tuning.



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*Type Description* This is an original amp type that includes an acoustic simulator. It transforms the sounds from your electric guitar into a clear, refined acoustic-guitar sound. **ACOUSTIC SIM** Using this type together with a single-coil pickup in the front position produces optimal sound quality. If you're using humbucker pickups, turn down the equalizer's **BASS** and **MIDDLE** controls slightly. This is modeled on the classic Fender Twin Reverb amplifier. **BLACK PANEL** It's used in a wide range of musical styles, from country to blues, jazz, and rock. It features rich lows and a bright high end. This is modeled on the Fender Deluxe Reverb amplifier. **DLX COMBO (CUBE-80XL only)** This amp finds use in a full range of genres, including surf music, blues, country, jazz, soul, and hard rock. It features clear, clean tones and sparkling overdrive at high volumes.

This is modeled on the Vox AC-30TB. **BRIT COMBO** This is the rock amplifier that created the Liverpool sound of the 1960s. It can produce a broad range of sounds, from clean to overdrive. This is modeled on the vintage Fender Tweed Bassman 4 x 10" Combo. **TWEED** It produces a clear mid to upper range with a fat low end, and its unique crunch tones with persistent distortion have earned it a loyal following among blues and rock guitarists. This is modeled on the features of a Marshall JMP 1987. **CLASSIC STACK** Used extensively in hard rock in the 1970s, this is truly the perfect amp for the "top rock" guitar sound.

This is modeled on the Peavey EVH 5150. **METAL STACK** This is a high-gain amp, so you can get heavy distortion and sustain even at low volumes. This super high-gain amp is modeled on the Mesa/Boogie Rectifier.

**R-FIER** This is a super high-gain amp. It's capable of producing slash metal, grunge, and a wide range of other lead sounds. This original high-gain amp delivers thick lows and intense distortion while still preserving the sound's clear definition. *Type Description* This is an original amp type that lets you obtain unprecedented tonal changes according to your picking dynamics. Soft picking produces a transparent clean amp sound, whereas hard picking yields a deeply distorted high-gain amp sound.

**DYNA AMP** Once the sound is distorted, the tone then changes according to the force used in picking, greatly expanding your range of expression. Setting the **[GAIN]** knob at the optimal position provides maximum effectiveness. Start with the **[GAIN]** knob centered. Then adjust the **[GAIN]** knob so that soft picking yields a clean tone and hard picking produces heavy distortion. 7.

**[GAIN]** Knob This adjusts the distortion level for the **LEAD** channel. 8. **[VOLUME]** Knob **SOLO** Function This lets you save the panel settings for sounds you create (such as amp type, gain, equalizer, and various effects) and call them up later. On the **CUBE-40XL/CUBE-80XL**, this function is called "SOLO." The **SOLO** function is handy in situations like these: · When you want to switch the amp type and effect at the same time. · When you want to switch the equalizer settings and volume level at the same time. You can store one setting each for the **JC CLEAN** channel and for the **LEAD** channel. This saves panel settings and calls up it. 10. **[VOLUME]** Knob This adjusts the volume level for the called-up settings.

\* For information on how to use the **SOLO** function, refer to "Using the **SOLO** Function"(p. 12) 5 Nederlands Português EXTREME Español Italiano 9. **SOLO [ON/OFF]** Switch Français Deutsch This adjusts the volume level for the **LEAD** channel. English \* The product names mentioned in this document are trademarks or registered trademarks of their respective owners, and are not related to Roland Corporation. In this manual, these names are used because it is the most practical way of describing the sounds that are simulated using **COSM** technology. **EQUALIZER** 11. **[BASS]** Knob This adjusts the sound level of the low-frequency range. **DELAY/LOOPER** 16. **[DELAY/LOOPER]** Knob You can switch to **DELAY** or the **LOOPER** function by positioning this knob. When the knob is at **DELAY**, this functions as a delay.

When the knob is positioned at **LOOPER**, this functions as a looper. The indicator lights up when delay or looper is on and goes out when it's off. 12.

**[MIDDLE]** Knob This adjusts the sound level of the middle-frequency range. 13.

**[TREBLE]** Knob This adjusts the sound level of the high-frequency range. \* When the **LEAD** channel Type switch is set to **BLACK PANEL**, **DLX COMBO (CUBE-80XL only)**, or **TWEED**, setting **[BASS]** knob, **[MIDDLE]** knob and **[TREBLE]** knob all to 0 (zero) stops all sound. **PRESENCE (CUBE-80XL only)** 14. **[PRESENCE]** Knob This gives the midrange and high end a more lustrous contour. This is effective when you want to make the sound more airy and open. To use Delay 16. **[DELAY/LOOPER]** Knob Set the knob in the **DELAY** position to turn Delay on. The position of the knob within this range adjusts the volume of the delay sound. You can also switch delay on and off using an optional footswitch pedal. \* The scale indications for **DELAY** and **LOOPER** are just a general guide. Be sure to check the actual sound as you adjust the effect. **EFX (Effects)** 15. **[EFX]** (Effects) Knob You can adjust the intensity of five types of effects--chorus, flanger, phaser, tremolo, and heavy octave--by adjusting the positioning of this knob. The indicator lights up when this is on, and goes out when it's off. You can also switch this on and off using an optional footswitch pedal.

\* The scale indications for **CHORUS**, **FLANGER**, **PHASER**, and **TREMOLO** on the panel are just a general guide. Be sure to check the actual sound as you adjust the effect. Knob Position **CHORUS FLANGER PHASER TREMOLO** Description This adds a slightly detuned sound to the original sound, giving the sound greater breadth and fullness. This creates a flanging effect that creates a sort of spinning sensation with the sound. This adds a phase-shifted signal to the original sound, giving the sound a swirling sensation. This effect produces cyclical changes in the volume level. This adds sound lowered by an octave to the original sound. Since you can play chords even when using this effect, you can use it to fatten the sound of your chordal playing as well. 17.

**[REC/PLAY/DUB]** Switch This will blink in synchronization with the delay time.

You can also use this to specify a short delay time in the range of 90--30 ms. 18. **[TAP]** Switch Use this to set the delay time. When you press the switch twice, the delay time will be set to the time interval at which you pressed the switch. The maximum length is 2000 ms.

Setting the Delay Time for Short Delay If you hold down the switch for one second or longer, the delay time will be set to 30 ms. Each time you then press the **[REC/PLAY/DUB]** switch, the delay time will change over four steps (30 ms/50 ms/70 ms/90 ms) to a maximum of 90 ms. \* The short delay cannot be set using the foot switch. To use the Looper function 16.



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(RING) (TIP) Foot switch priority mode Make the on/off state of the footswitch pedal always take priority. To make the setting: Hold down the [SELECT] switch and switch on the power. REVERB SOLO EFX CH SELECT Memory priority mode (factory setting) Make the on/off state saved using the SOLO function take priority. Set the switches as shown as below. B A BOSS FS-6 To make the setting: Hold down the [TUNER] switch and switch on the power. \* The changed setting remains in memory after the power is switched off. REVERB SOLO EFX CH SELECT 10 Using the Tuner Function CUBE-40XL and CUBE-80XL are equipped with a tuner function. In addition to manual tuning, you can also use it as a chromatic tuner.

\* Use manual tuning when the strings are substantially out of tune (such as after changing strings). 3. Play a single note on the open string that you want to tune. Tune the string until the green indicator lights. Flat Pitch is correct Sharp CUBE-40XL Lights red Lights green Lights red \* The red indicator blinks if the pitch is substantially out of tune. 4. When you have finished tuning, press the [TUNER] switch once again. CUBE-80XL Chromatic Tuning If you hold down the [TUNER] switch for one second or longer, the [TUNER] switch blinks and the unit becomes usable as a "chromatic tuner," which automatically determines the name of the note closest to the one played. As with manual tuning, chromatic tuning allows you to play a single note on the string that you want to tune. Tune the string until the green indicator lights.

Manual Tuning 1. Press the [TUNER] switch. The unit enters the Tuner mode and the TUNER switch lights up. Once in the Tuner mode, no sound is played from the speaker, the REC OUT/PHONES jack, or the LINE OUT jack. \* The sound input to the AUX IN jack is output.

2. Use the TYPE switch to select the string that you want to tune. Knob Position 7B 6E 6E 5A 4D 3G 2B 1E A A Description Open seventh string of a seven-string guitar with an additional low string (B) Open sixth string (E) (CUBE-80XL only) Open sixth string (E) Open fifth string (A) Open fourth string (D) Open third string (G) Open second string (B) Open first string (E) Open fifth string (semitone down) (A) Open fifth string (whole tone down) (G) \* The reference pitch is A=440 Hz. This cannot be changed. 11 Nederlands Português Español Italiano Français Deutsch English Using the SOLO Function You can save and call up the panel settings (those enclosed by the line in the figure) for sounds you create.

On this unit, this function is called "SOLO." This is a convenient way to switch between a backing sound and a solo sound. You can save one setting each for the JC CLEAN channel and for the LEAD channel. You can switch between a total of four sounds. With the factory settings, the sample setting "Space Clean" is saved for the JC CLEAN channel, and the "Extreme" setting (p. 16) is saved for the LEAD channel. Saving the Panel Settings 1. Set the SOLO [VOLUME] knob to 0. NOTE If the SOLO volume is set high, the sound may be unexpectedly loud when the panel settings are saved. Before saving, lower the volume to 0.

CUBE-40XL JC CLEAN 2. Create a sound. 3. Press and hold the SOLO [ON/OFF switch] on the panel for several seconds. The indicator will blink. When the panel settings have been saved, the indicator will change from blinking to lit. \* Never switch off the power while the indicator is blinking. LEAD 4. Use the SOLO [VOLUME] knob to adjust the volume. \* Saved panel settings remain in memory even after the power is turned off.

Recalling the Saved Sound CUBE-80XL JC-CLEAN 1. With SOLO off, press the SOLO [ON/OFF] switch. The SOLO indicator will light, and the saved panel settings will be recalled. The sound you created and saved for JC CLEAN will be recalled if the JC CLEAN channel is selected, and the sound you created and saved for LEAD will be recalled if the LEAD channel is selected. \* If panel settings have not been saved, or if you're using the CUBE for the first time, the factory settings will be recalled.

Editing the saved settings LEAD 1. Press the SOLO [ON/OFF] switch to call up the saved settings. 2. Turn the panel knob for the item you want to change, and modify the setting. The SOLO indicator goes out briefly when the position of the knob coincides with the position stored in memory.

3. Hold down the SOLO [ON/OFF] switch for several seconds. The indicator will blink. When the panel settings have been saved, the indicator will change from blinking to lit. \* Never switch off the power while the indicator is blinking. \* Once the new settings have been saved, the previous settings in effect before the changes cannot be called up again. \* To quit without saving the changes, press the SOLO [ON/OFF] switch or the [SELECT] switch. 12 Switching the SOLO Function and the LEAD and JC CLEAN Channels You can use the [SELECT] switch and the SOLO [ON/OFF] switch to switch between the following four sounds · Current JC CLEAN panel settings · The SOLO sound you created and saved for JC CLEAN · Current LEAD panel settings · The SOLO sound you created and saved for LEAD Channel JC CLEAN SOLO OFF SOLO ON \* Note the following if you've set FOOT SW TYPE (p. 10) to FS-5L (LATCH) · If a foot switch is connected to the SELECT/SOLO jack, the panel's [SELECT] switch and SOLO [ON/OFF] switch will be inoperable. · If SOLO is on, and a foot switch is connected to the EFX/REVERB or DELAY/REC/PLAY/DUB/TAP/STOP jack, the foot switch's indicator may not match the on/off status of the CUBE's EFX, REVERB, or DELAY.

If you want the on/off status of the CUBE's EFX, REVERB, or DELAY to consistently conform to the foot switch's indicator, change the setting for the CUBE-40XL/CUBE-80XL to "Foot Switch Priority Mode." For details, see "Using a Latch-type Foot Switch" (p. 10). Current JC CLEAN panel settings Current LEAD panel settings The SOLO sound you created and saved for JC CLEAN The SOLO sound you created and saved for LEAD Returning to the Factory-default Settings Hold down the [TAP/STOP] switch and the SOLO [ON/OFF] switch at the same time and switch on the power. The SOLO indicator blinks and the settings saved with the SOLO function are returned to their factory defaults. Use the [SELECT] switch to switch between the JC CLEAN channel and LEAD channel. Use the SOLO [ON/OFF] switch to switch between the current panel settings and the saved settings. Panel settings for JC CLEAN channel Unlit SOLO settings saved for the JC CLEAN channel Lit Panel settings for LEAD channel Unlit 13 Nederlands Português SOLO settings saved for the LEAD channel Lit Español Italiano Français Deutsch English LEAD Using the LOOPER This function lets you record a phrase you perform, and then play it back repeatedly.



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You can also overdub additional phrases onto the recording. On the CUBE-40XL and CUBE-80XL, this is called the Looper function.

You can also operate the LOOPER function using optional foot switches. \* The recorded phrase is deleted when the unit is turned off. Stop 1 Play 2 phrase operation Play Play ... Play 3 Stop Playing back the phrase Pressing the [REC/PLAY/DUB] switch Pressing the [TAP/STOP] switch Recording a Phrase Press the [REC/PLAY/DUB] switch to recording a phrase. The basic operation will change as follows according to the state of the phrase. Pressing the [REC/PLAY/DUB] switch Pressing the [TAP/STOP] switch 1.

With the [REC/PLAY/DUB] switch blinking green, press the [REC/PLAY/DUB] switch. \* [REC/PLAY/DUB] will be unlit if no phrase has been recorded. The [REC/PLAY/DUB] switch will light in green, and the phrase will play repeatedly from the beginning. 2. Stop 1 2 Record 3 phrase operation Play Play ... Play 4 Stop Use the [DELAY/LOOPER] knob to adjust the volume of the phrase.

Press the [TAP/STOP] switch to stop playback. The [REC/PLAY/DUB] switch will blink green. 3. 1. Set the [DELAY/LOOPER] knob at LOOPER. Set the knob at the maximum setting. With the knob at the maximum, the phrase will be played back at the same volume as when it was recorded. Overdubbing the phrase Pressing the [REC/PLAY/DUB] switch Pressing the [TAP/STOP] switch Stop Play 1 2 Overdub 3 Play 2 Overdub 3 Play 4 Stop 2. Press the [REC/PLAY/DUB] button to start recording. When you press the [REC/PLAY/DUB] switch it will blink red, and you'll enter recording-standby mode.

When you start playing, the indicator will change from blinking to steadily lit, and recording will begin. \* If instead you depress the REC/PLAY/DUB footswitch, the [REC/PLAY/DUB] switch lights in red, and recording starts immediately. For details on connecting footswitches, refer to "FOOT SW" (p. 9).

The memory of the CUBE-40XL and CUBE-80XL can record a phrase approximately 80 seconds long. When you reach the maximum recording time, recording will stop automatically and playback will start. Blink red phrase operation 1. With the [REC/PLAY/DUB] switch blinking green, press the [REC/PLAY/DUB] switch. The [REC/PLAY/DUB] switch will light in green, and the phrase will play repeatedly from the beginning. 2. Press the [REC/PLAY/DUB] switch once again. The [REC/PLAY/DUB] switch will light in orange, and overdubbing will begin. 3. To stop recording, press the [REC/PLAY/DUB] switch. The [REC/PLAY/DUB] switch will light in green, and the phrase will play repeatedly from the beginning.

4. Press the [TAP/STOP] switch to stop playback. The [REC/PLAY/DUB] switch will blink green. 3. Press the [REC/PLAY/DUB] switch to stop recording. At the same time that you press the [REC/PLAY/DUB] switch, the [REC/PLAY/DUB] switch lights in green and the recorded phrase will switch to playback.

The phrase will continue playing repeatedly until you stop it. Erasing the phrase 1. Hold down the [TAP/STOP] switch for two or more seconds. The [REC/PLAY/DUB] switch will blink red, and the phrase will be erased. \* The erased phrase cannot be recovered. 4. To stop playback or overdubbing, press the [TAP/STOP] button. The phrase will stop playing. If you want to play again, press the [REC/PLAY/DUB] switch.

MEMO If a phrase has already been recorded, the PLAY indicator will blink green. 14 Using the LOOPER Function and Delay at the Same Time By taking advantage of the SOLO function, you can use the Looper function and the delay at the same time. Normally, you cannot use the delay when the [DELAY/LOOPER] knob is in the LOOPER position. However, if panel settings that use the delay are stored in the SOLO function, and you then turn SOLO on, you'll be able to use the delay while using the LOOPER function. If you turn the SOLO function on while using the LOOPER function, and then switch between JC CLEAN and LEAD, you'll be able to record your performance using the delay settings saved for each channel. \* Switching the delay on or off or changing the delay time is not possible. Copyright \* Recording, duplication, distribution, sale, lease, performance, or broadcast of copyrighted material (musical works, visual works, broadcasts, live performances, etc.) belonging to a third party in part or in whole without the permission of the copyright owner is forbidden by law. \* Do not use this unit for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this unit.

15 Nederlands Português Español Italiano Français Deutsch English Sample Settings \* For information on how to set the delay time, refer to "DELAY/LOOPER" (p. 6) Extreme CUBE-40XL [SELECT] switch=LEAD [SELECT] switch=LEAD This is an extreme sound with intense distortion. This is a high-gain sound that packs a lot of punch in the low end, while delivering a great deal of edge in the upper range. You can obtain variations in the sound by moving the [MIDDLE] knob. If you turn on HEAVY OCTAVE, you can achieve an even greater sense of distortion in the low end. Space Clean CUBE-40XL Delay time = approx. 250 ms (reference) CUBE-80XL Delay time = approx. 250 ms (reference) [SELECT] switch=JC CLEAN [BRIGHT] switch=OFF [SELECT] switch=JC CLEAN This is a transparent sound that uses spatial effects. Use the JC CLEAN amp, which is modeled on the Roland JC-120, and add chorus, long delay, and reverb. Using this setting with a guitar that has single-coil pickups makes for arpeggios and chord strumming with beautiful resonance.

If you're using a guitar with humbucker pickups on CUBE-80XL, turn the [BRIGHT] switch to ON to achieve a bright, open sound. Setting the delay time to a value that makes the delay sound heard slightly ahead of the tempo of the phrase played produces a thicker sound. Surf Line CUBE-40XL CUBE-80XL [SELECT] switch=LEAD [SELECT] switch=LEAD This sound is perfect for the surf music popular in the 1960s. Using this setting with a guitar that has single-coil pickups makes for an edgy sound. Applying deep spring reverb and using muting picking and chromatic runs (muted picking with glissandos) produces the classic surf sound. 16 Rockabilly Slap CUBE-40XL Delay time = approx. 90 ms (reference) CUBE-80XL Delay time = approx. 90 ms (reference) [SELECT] switch=LEAD [SELECT] switch=LEAD This is the slapback-echo sound used in rockabilly and country. The BLACK PANEL amp produces a clean sound that is bright and sweet, with a powerful midrange and high end supported by a thick bass. By making the low and high ends more prominent while keeping them balanced, and also suppressing the midrange if the situation calls for it, you can bring out the dazzling resonance of the guitar even more beautifully.



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The sound of a guitar that has single-coil pickups with heavy tremolo and reverb applied is also distinctive. Loud Metal Delay time = approx. 600 ms (reference) Delay time = approx. 600 ms (reference) [SELECT] switch=LEAD [SELECT] switch=LEAD This sound produces heavy low-end reverberations when lower strings are played while muted, and airy sustain when chords are played. Playing with a humbucking rear pickup produces even more extreme distortion. What's more, you can make the sound even heavier by using drop tuning or other such settings. When you want to make the distortion edgier on CUBE-80XL, boost the [PRESENCE] setting. Also, when you're using this as the lead sound, raising the midrange and applying a long delay produces a fat sound with sustain. Dynamic Style Delay time = approx. 650 ms (reference) Delay time = approx.

650 ms (reference) [SELECT] switch=LEAD [SELECT] switch=LEAD DYNA AMP is an original amp that uses relative picking intensity to create changes in distortion depth. First, adjust the [GAIN] knob so that a clean tone is obtained with soft picking and heavy distortion is obtained when you pick hard. Now mixing arpeggios played with a gentle touch along with firmly picked chords and solos results in a guitar sound with huge dynamics. Now, to create a broader, more open sound on CUBE-80XL, cut the midrange and raise the low end and presence. Using this in combination with the EFX as well as delay and reverb creates a sound with an even greater feeling of scale.

17 Nederlands Português Español CUBE-40XL CUBE-80XL Italiano Français Deutsch CUBE-40XL CUBE-80XL English CUBE-40XL Block Diagram AUX IN POWER AMP SELECT JC CLEAN SOLO INPUT EFX FLANGER/ PHASER/ HEAVY OCTAVE SELECT TUNER LEAD AMPLIFIER VOLUME VOLUME EFX CHORUS/ TREMOLO DELAY REVERB LOOPER LOOPER VOLUME POWER SQUEEZER MUTE SPEAKER ACOUSTIC SIM BLACK PANEL BRIT COMBO TWEED CLASSIC STACK METAL R-FIER EXTREME DYNA AMP RECORDING OUT / PHONES CABINET & SPEAKER SIMULATOR JC CLEAN SOLO LEAD SOLO VOLUME \* No sound is played through the unit's speaker while the REC OUT/PHONES jack is in use. CUBE-80XL Block Diagram AUX IN POWER AMP SELECT SOLO INPUT EFX FLANGER/ PHASER/ HEAVY OCTAVE TUNER SELECT AMPLIFIER JC CLEAN LEAD VOLUME VOLUME EFX CHORUS/ TREMOLO DELAY REVERB LOOPER LOOPER VOLUME MUTE SPEAKER EXT SPEAKER ACOUSTIC SIM BLACK PANEL DLX COMBO BRIT COMBO TWEED CLASSIC STACK METAL R-FIER EXTREME DYNA AMP RECORDING OUT / PHONES CABINET & SPEAKER SIMULATOR JC CLEAN SOLO LEAD SOLO VOLUME \* No sound is played through the unit's speaker while the REC OUT/PHONES jack is in use. LINE OUT CABINET & SPEAKER SIMULATOR 18 Specifications CUBE-40XL/CUBE-80XL: Guitar Amplifier CUBE-40XL Rated Power Output Nominal Input Level (@ 1 kHz) Speaker 40 W INPUT: -10 dBu/ 1 M AUX IN: -10 dBu 25 cm (10 inches) [POWER] switch [SELECT] switch [TUNER] switch [POWER SQUEEZER] switch <JC CLEAN CH> [VOLUME] knob <LEAD CH> Type switch (ACOUSTIC SIM, BLACK PANEL, BRIT COMBO, TWEED CLASSIC STACK, METAL STACK, R-FIER, EXTREME, DYNA AMP), [GAIN] knob, [VOLUME] knob <SOLO> [SOLO] switch, [VOLUME] knob Controls <EQUALIZER> [BASS] knob, [MIDDLE] knob, [TREBLE] knob -- <EFX> [EFX] knob (CHORUS, FLANGER, PHASER, TREMOLO, HEAVY OCTAVE) <DELAY/LOOPER> [REC/PLAY/DUB] switch [DELAY/LOOPER] knob [TAP/STOP] switch <REVERB> [REVERB] knob (SPRING/PLATE) -- Indicators JC CLEAN CH, LEAD CH, SOLO, TUNER, EFX, DELAY/LOOPER, REC/PLAY/ DUB, REVERB, POWER SQUEEZER INPUT Jack (1/4" phone type), AUX IN Jack (Stereo miniature phone type), RECORDING OUT/PHONES Jack (Stereo 1/4" phone type), FOOT SW Jack (CH SELECT, SOLO) (1/4" TRS phone type), Connectors FOOT SW Jack (EFX, REVERB) (1/4" TRS phone type), FOOT SW Jack (DELAY/REC/PLAY/DUB, TAP/STOP) (1/4" TRS phone type) CUBE-80XL 80 W INPUT: -10 dBu/1 M AUX IN: -10 dBu 30 cm (12 inches) [POWER] switch [SELECT] switch [TUNER] switch -- <JC CLEAN CH> [VOLUME] knob, [BRIGHT] switch <LEAD CH> Type switch (ACOUSTIC SIM, BLACK PANEL, DLX COMBO, BRIT COMBO, TWEED, CLASSIC STACK, METAL STACK, R-FIER, EXTREME, DYNA AMP), [GAIN] knob, [VOLUME] knob <SOLO> [SOLO] switch, [VOLUME] knob <EQUALIZER> [BASS] knob, [MIDDLE] knob, [TREBLE] knob <PRESENCE> [PRESENCE] knob <EFX> [EFX] knob (CHORUS, FLANGER, PHASER, TREMOLO, HEAVY OCTAVE) <DELAY/LOOPER> [REC/PLAY/DUB] switch [DELAY/LOOPER] knob <REVERB> [REVERB] knob (SPRING/PLATE) [FOOT SW TYPE] switch (FS-5L/FS-5U) JC CLEAN CH, LEAD CH, SOLO, TUNER, EFX, DELAY/LOOPER, REC/PLAY/ DUB, REVERB AUX IN Jack (Stereo miniature phone type), LINE OUT Jack (1/4" phone type), RECORDING OUT/PHONES Jack (Stereo 1/4" phone type), EXT SPEAKER (1/4" phone type), FOOT SW Jack (CH SELECT, SOLO) (1/4" TRS phone type), FOOT SW Jack (EFX, REVERB) (1/4" TRS phone type), (1/4" TRS phone type) Power Consumption Dimensions Weight Accessory Options 43 W 385 (W) X 265 (D) X 385 (H) mm 15-3/16 (W) x 10-7/16 (D) x 15-3/16 (H) inches 10 kg / 22 lbs 1 oz Owner's Manual Foot Switch (BOSS FS-5L, FS-5U, FS-6) 75 W 440 (W) x 265 (D) x 440 (H) mm 17-3/8 (W) x 10-7/16 (D) x 17-3/8 (H) inches Owner's Manual Foot Switch (BOSS FS-5L, FS-5U, FS-6) 16 kg / 35 lbs., 5 oz. [TAP/STOP] switch \* 0 dBu = 0.

775 Vrms \* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice. 19 Nederlands Português Español FOOT SW Jack (DELAY/REC/PLAY/DUB, TAP/STOP) Italiano INPUT Jack (1/4" phone type), Français Deutsch English Information AFRICA EGYPT Al Fanny Trading O ce 9, EBN Hagar Al Askalany Street, ARD El Golf, Heliopolis, Cairo 11341, EGYPT TEL: (022)-417-1828 When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below. PHILIPPINES G.A. Yupangco & Co. Inc. 339 Gil J. Puyat Avenue Makati, Metro Manila 1200, PHILIPPINES TEL: (02) 899 9801 CURACAO Zeelandia Music Center Inc. Orionweg 30 Curacao, Netherland Antilles TEL: (305) 5926866 URUGUAY Todo Musica S.A.

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