Before using this unit, carefully read the leaflet "USING THE UNIT SAFELY" and "IMPORTANT NOTES." After reading, keep the document(s) where it will be available for immediate reference.

English

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What Is "RT-MicS"

The RT-MicS is a drum trigger with built-in sound generator that you use by attaching it to your acoustic drum (snare drum).

It's an easy way to enjoy "hybrid drumming" that fuses acoustic with electronic.

- It can be easily and securely attached to snare drums that use a variety of differently-shaped hoops.
  * Wooden hoops are excepted.
- A sound generator is built-in. You can trigger electronic sounds by striking your drum.
- A mic for the acoustic sound is also built-in. You can mix the drum's own acoustic sound (mic sound) with the electronic sound, or output them separately.
- With the factory settings, the sound generator contains eight distinctive sounds.
- Using dedicated software, the built-in sounds can be replaced with audio files (wave data) that you create on your computer, such as drum sounds, sound effects, or entire songs.
  The dedicated software (RT-MicS Wave Sender) can be downloaded from the following URL.
  http://www.roland.com/support/
  Access the URL, and search for the product name "RT-MicS."



Panel Descriptions

* **To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.**
* **Do not apply strong force to the head sensor, and do not subject it to force for an extended time when you're not using it. Doing so may deform the head sensor or cause malfunctions.**

Display

Indicates the number of the selected sound.

MIC OUTPUT jack

Outputs the acoustic sound of the drum itself (mic sound).

MIX/ELEC OUTPUT jack

The electronic sound (or the sound mixed with the mic sound) is output.

[MIX/ELEC] switch

Selects what is output from the MIX/ELEC OUTPUT jack.

MIX	The electronic sound and mic sound are mixed and output.
ELEC	The electronic sound is output.

[MIC VOLUME] dial

Adjusts the volume of the mic sound (0–10).

[ELECTRONIC VOLUME] dial

Adjusts the volume of the electronic sound (0–10).

Micro USB port

When using the dedicated software, connect this port to your computer via a micro USB cable.

* **Take care that your strikes do not damage the cable.**
* **Do not use a micro USB cable that is designed only for charging a device. Charge-only cables cannot transmit data.**

[POWER] switch

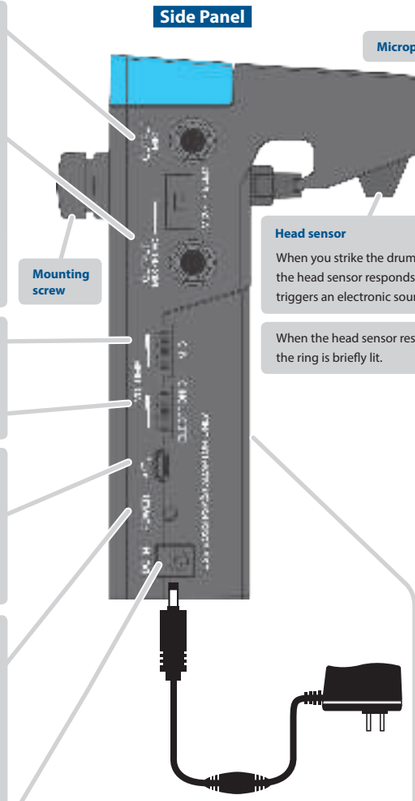
Turns the power on/off. To turn the power on/off, long-press this switch.

* **Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.**

DC IN jack

Connect an AC Adaptor (PSA-S series; sold separately). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

* **Use only the dedicated AC adaptor (PSA-S series; sold separately), and connect it to an AC outlet of the correct voltage. Do not use any other AC adaptor, since this may cause malfunction.**
* **Insert the tip of the plug all the way into the jack.**
* **If the AC adaptor is connected while power is on, the power supply is drawn from the AC adaptor.**



[Sound] button

The electronic sound is switched (1–8) each time you press the button. Following number 8, you'll return to number 1.

Mute

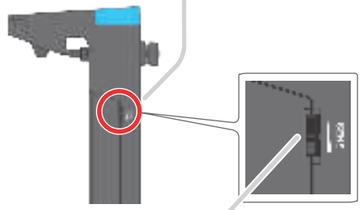
Long-press this to mute the electronic sound
(While muted, the ring blinks).

Switching the logo light

By turning the power on while holding down this button, you can switch the rear panel logo between lit and unlit.

Logo panel (Rear)

This is lit when you turn the power on.
By turning the power on while holding down the [Sound] button, you can switch the logo between lit and unlit.



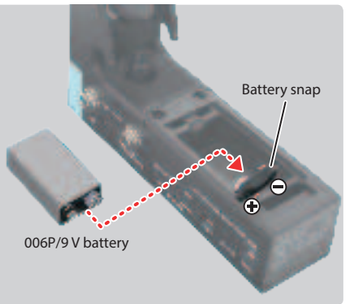
[SENS] dial

Adjusts the sensitivity of the head sensor (0–10).

Battery case (Front)

The RT-MicS operates either on batteries or using a separately sold AC adaptor.

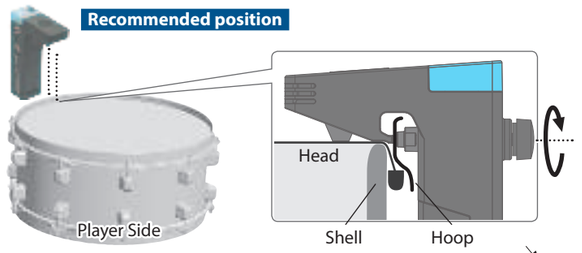
* **Be sure to carefully observe the battery's polarity (+ versus -).**
* **A zinc-carbon battery cannot be used. You must use an alkaline battery.**
* **Battery life is approximately 2 hours under typical performing conditions. When the battery runs low, the display blinks . Replace the battery as soon as possible.**
* **If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES."**
* **The life of the supplied batteries may be limited, since its primary purpose was to enable testing.**



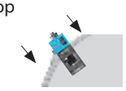
Setting

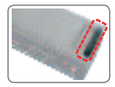
Mounting the Trigger on Acoustic Drums

1. While pressing the trigger firmly against the head of the drum, use the mounting screw to secure it as shown in the illustration.



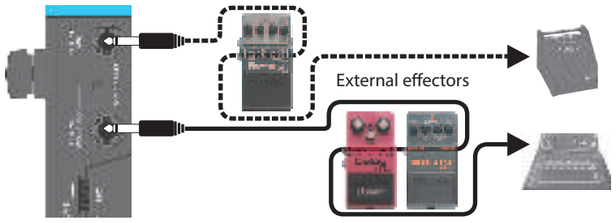
* To allow the trigger to accurately detect the vibration of the head, mount it between two adjacent tension bolts.
* When you're not using the trigger, remove it from your drum set.
* If a portion of the panel contacts the snare when it is attached, affix the snare protective rubber at the point of contact as shown in the illustration.





Connecting to the Amplifier

1. Connect the RT-MicS to your amp or PA mixer.



MEMO

To process the sound further, you may wish to insert one or more effect units between the unit and your amp or mixer.

Use

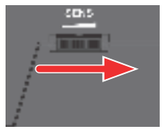
1. Long-press the [POWER] switch to turn the power on.

2. Use the [MIC VOLUME] dial and [ELECTRONIC VOLUME] dial to adjust the volume of the mic sound and the electronic sound.



Turning the dial in the direction of the arrow increases the volume.

3. Use the [SENS] dial to adjust the sensitivity at which the electronic sound is triggered.



Turning the dial in the direction of the arrow raises the sensitivity, so that the sound responds even to soft strikes.

While striking the drum, adjust the dial to the ideal sensitivity.

4. Use the [Sound] button to select the electronic sound.

Sound List

No.	Sound	No.	Sound
1	Snare A	5	Perc A
2	Snare B	6	Perc B
3	Clap A	7	Element A
4	Clap B	8	Element B

Troubleshooting

Problem	Action
No sound is triggered	Make sure that the trigger's power supply, **[MIC VOLUME]** dial, **[ELECTRONIC VOLUME]** dial, and **[SENS]** dial are set appropriately.
	Make sure that the trigger is correctly connected to the playback amp or PA system.
	Make sure that this trigger is securely fastened to the drum hoop, and that the head sensor is contacting the drum head.
	Check whether the electronic sound might be muted. If the ring is blinking, the sound is muted.
	If you used the dedicated app to replace the sounds, they might seem quieter than other sounds if the loaded audio file has a low volume. Before you load the replacement sounds, process them so that they are at a sufficient volume.
Multiple sounds played when drum is struck only once (Retrigger)	Use the **[SENS]** dial to lower the sensitivity.
	The tension bolts on both sides of the trigger should be fastened quite tightly.
	Reduce unneeded vibration, either by exchanging the head for a type that has a short sustain, or by using a ring mute, tape, or gel material to mute the head.
Electronic sound is heard even when you don't strike the drum, or is triggered by another drum	Use the **[SENS]** dial to lower the sensitivity.
	In some cases, the trigger may be responding to vibrations from the floor or to sound from a monitor speaker or bass amp. Adjust the location and angle of your equipment to reduce such vibration or sound.
	Adjust your setup so that the trigger is not in contact with the stand or with another drum. If this does not solve the problem, mount the trigger at a position that is farther away from the other drum.
	Keep the tension of the snares fairly tight.
No response to soft strikes	Use the **[SENS]** dial to raise the sensitivity.
	* When making adjustments, take care to avoid double triggering or sound from other drums.

Main Specifications

Roland RT-MicS: Drum trigger with built-in sound generator

Expected battery life under continuous use	Alkaline battery	Approx. 2 hours
	* These can vary depending on the conditions of use.	
Current Draw	100 mA (DC IN)	
Dimensions	50 (W) x 158 (D) x 162 (H) mm 2 (W) x 6-1/4 (D) x 6-7/16 (H) inches	
Weight (included battery)	400 g	14 oz
Accessories	Owner's Manual, Leaflet "USING THE UNIT SAFELY," Alkaline battery (9 V, 6LR61), Snare protective rubber	
Options (sold separately)	AC adaptor (PSA-S series), micro USB cable	

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

Signal flow

