



## User's Guide

**ROD880** Real Overdrive

**ROD881** Real Overdrive / Distortion

**RCP660** Real Compressor

### ◆SAFETY PRECAUTIONS◆

Be sure to read these precautions before using this product in order to insure safe operation of the equipment.

Keep this user's guide on hand for future reference whenever you may need it.

### ◆安全上のご注意◆

機器を安全にご使用いただくため、ご使用前にこの取扱説明書を必ずお読みください。

そのあとは大切に保管し、必要になったときにお読みください。

# SAFETY PRECAUTIONS

Please be sure to observe. The safety precautions listed below are intended to ensure your safety whenever you use the equipment.

■ Precaution text is generally accompanied by the following symbols to alert you and others to the risk of personal and material injury that may be caused if the precaution is ignored.



**Warning**

This symbol indicates an item that can result in death or serious personal injury if ignored.



**Caution**

This symbol indicates an item that can result in serious personal injury or material damage if ignored.

■ Precaution text is generally accompanied by the following icons to alert you and others to things you should or should not do.



...A triangle indicates something you should be careful about.



...A circle with a line through it indicates something you should not do.



...A black circle indicates something you must do.



## Warning



### NEVER OPEN THE CASE

•Never try to remove the bottom cover and to modify the equipment. (Internal components of the equipment use high voltages, and exposing them creates the danger of fire and electrical shock.)



### STOP THE USE IN CASE OF A PROBLEM

•Stop using the equipment whenever you notice smoke or a strange odor coming from it.  
•Contact your original dealer or nearest authorized service provider for service.





## Warning



### BEWARE OF HEAT BUILT UP

- Never cover AC adaptor with cloth or other objects.  
(Built up heat creates the danger of the equipment deformation and fire.)



## Caution



### USE SPECIFIED AC ADAPTOR ONLY

- Be sure to use only the AC adaptor specified in this User's Guide. Use of non-specified AC adaptors creates the danger of fire and electrical shock.



### UNPLUGGING AC ADAPTOR

- Never try to unplug AC adaptor while your hands are wet. Doing so creates the danger of electrical shock.
- When unplugging AC adaptor from the power source, be sure to grasp the adaptor. Never pull on the cord. Doing so can damage the power cord and create the danger of fire and electrical shock.



### WATER, HUMIDITY, DUST AND HIGH TEMPERATURES

- Never leave or use the equipment in bathrooms, the outdoors or other areas subject to water, high humidity, dust and high temperature. Doing so creates the danger of fire and electrical shock.



### LEAVING THE EQUIPMENT UNATTENDED

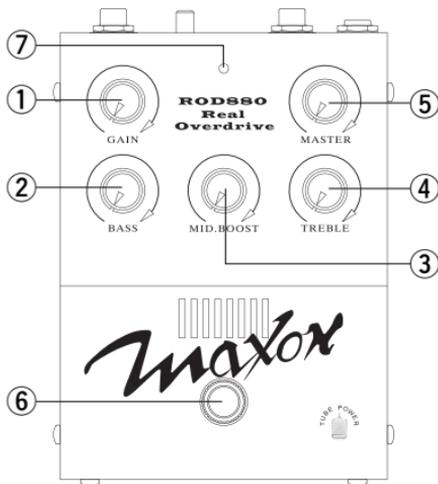
- Whenever leaving the equipment unattended for long periods, be sure to unplug AC adaptor from the power source. If not, there is a danger of fire.

# ROD880 Real Overdrive

- A built-in real tube to produce its overdrive tone. It adds lots of sustain and is very responsive to pick attack.
- Equipped with a switch for noise reduction to cut off unwanted noise.
- Reliable footswitch and easily viewable LED for trouble-free performance.

## FEATURES AND CONTROLS

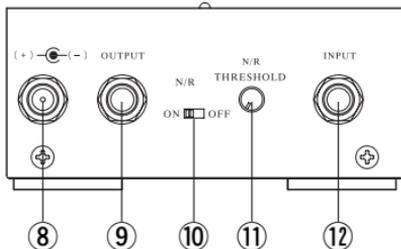
- ① **GAIN**  
Controls gain level. Turn it clockwise for more gain.
- ② **BASS**  
Controls effected tone. Turn it clockwise for more lows.
- ③ **MID. BOOST**  
Controls effected tone. Turn it clockwise for more mids.
- ④ **TREBLE**  
Controls effected tone. Turn it clockwise for more highs.
- ⑤ **MASTER**  
Controls effected output volume. Turn it clockwise for more volume.



**⑥ EFFECT ON/OFF ⑦ EFFECT LED**

A switch for effect on/off. Stepping on this switch alternately turns effects and EFFECT LED on and off.

\* If you power off this product when the effect is on, the effect will stay on the next time you power it on.

**⑧ DC IN (power input jack)**

A jack for connection of power supply to effect. Be sure to use the correct Maxon AC adaptor.

 Turn down amplifier's volume to the minimum before connecting AC adaptor to the product in order not to damage other connected equipment.

**⑨ OUTPUT (output jack)**

Output jack to connect to input of amplifier or other effects.

**⑩ NR ON/OFF**

Turing on this switch activates the noise reduction and NR threshold volume to cancel unwanted noise when no or little guitar signal comes out.

**⑪ NR THRESHOLD**

Controls noise reduction threshold level. Turn it clockwise for more noise reduction.

\* With this volume turned clockwise too far, you may loose the pick attack especially when you play low output guitars.

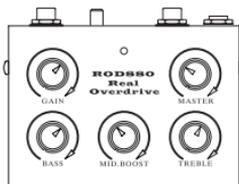
**⑫ INPUT (input jack)**

Input jack to connect to the output of guitar, other effects or related equipment.

 This product has a built-in tube, so do not subject it to shock or excessive pressure.

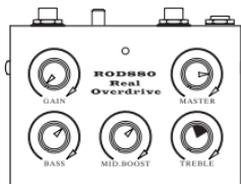
 It takes one or two minutes for the tube to work properly after it's powered on.

# SAMPLE SETTING



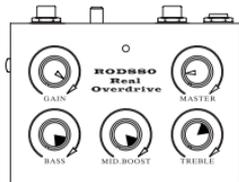
## High gain drive (AMP: Drive)

High gain drive with amplifier's natural drive for solos.



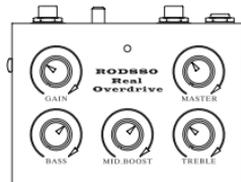
## Gain boost (AMP: Drive)

Drive amount can be controlled with your guitar's volume.



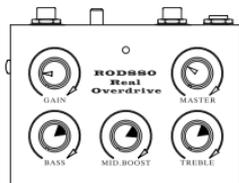
## Hard drive (AMP: Drive)

Tube distortion sound. The distortion is deep but still responsive to pick attack.



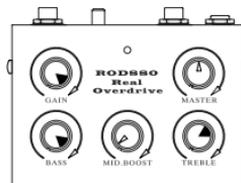
## Volume drive (AMP: Drive)

Tube overdrive sound to work with amplifier's drive.



## Crunch (AMP: Clean)

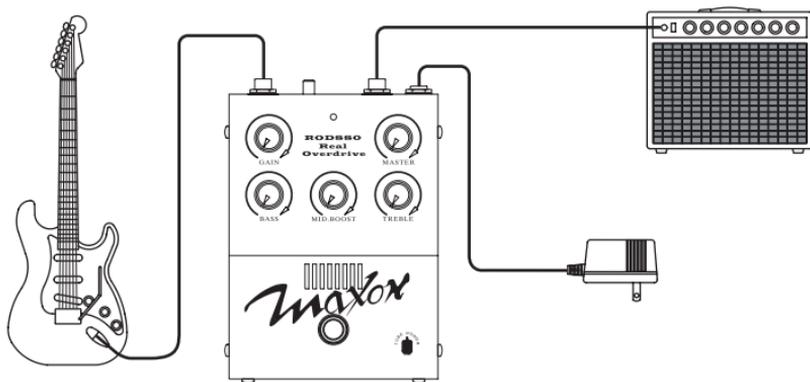
A natural crunch for clean amplifier.



## Metal drive (AMP: Clean)

Lots of distortion for metal sound, with Bass/Treble set high for hard sound.

# CONNECTION DIAGRAM



# SPECIFICATIONS

Input Impedance	: 500k ohms
Output Impedance	: less than 10k ohms
Equivalent Input Noise	: less than -100dB (input shorted, IHF-A weighted)
Maximum Output Level	: +10dB (typical)
Tone Control Range (Bass)	: 100Hz 0 to 28dB (typical)
(Mid-boost)	: 1kHz 0 to 25dB (typical)
(Treble)	: 3kHz 0 to 22dB (typical)
Noise Reduction Ratio	: 1:2 or more (approx.)
Tube	: selected dual triode tube
Power Consumption	: 175mA at 10VDC / 165mA at 9VDC
Dimensions	: 110(W) x 160(D) x 72(H) mm
Weight	: 600g
Power Supply	: Maxon AC adaptor AC210 ( or AC310 ) for 100VAC Maxon AC adaptor AC210N for 120VAC Maxon AC adaptor AC210U for 220VAC Maxon AC adaptor AC210UK for 230VAC Maxon AC adaptor AC210AN for 240VAC

\* 0dB = 0.775Vrms

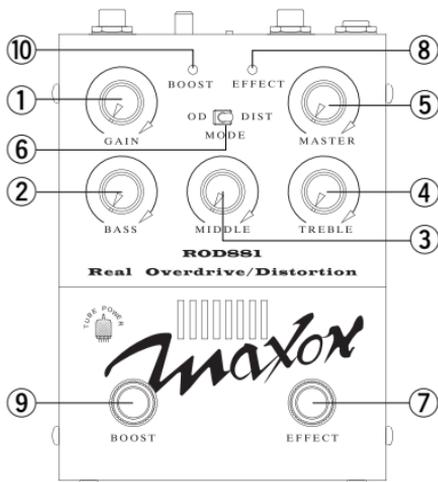
\* Specifications are subject to change without notice.

# ROD881 Real Overdrive / Distortion

- A built-in real tube inside to produce its overdrive/distortion tone.
- Switchable between overdrive mode and distortion mode.
- Equipped with a boost switch for quick changes between solos and rhythms.
- ROD881 has a switch for noise reduction to cut off unwanted noise.
- Reliable footswitch and easily viewable LED for trouble-free performance.

## FEATURES AND CONTROLS

- ① **GAIN**  
Controls distortion level. Turn it clockwise for more distortion.
- ② **BASS**  
Controls effected tone. Turn it clockwise for more lows.
- ③ **MIDDLE**  
Controls effected tone. Turn it clockwise for more mids.
- ④ **TREBLE**  
Controls effected tone. Turn it clockwise for more highs.
- ⑤ **MASTER**  
Controls effected output volume. Typically output levels of both normal signal and effected signal should be adjusted to equal levels.



**⑥ MODE**

Switches between overdrive mode (OD) and distortion mode (DIST).

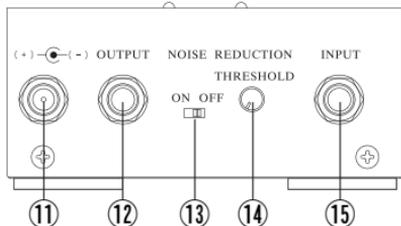
**⑦ EFFECT ON/OFF ⑧ EFFECT LED**

A switch for effect on/off. Stepping on this switch alternately turns effects and EFFECT LED on and off.

**⑨ BOOST ON/OFF ⑩ BOOST LED**

A switch to boost the output level. Stepping on this switch alternately turns boost and BOOST LED on and off.

\* When the effect is off, the boost switch turns LED on but doesn't boost the output level.

**⑪ DC IN (power input jack)**

A jack for connection of power supply to effect. Be sure to use the correct Maxon AC adaptor.

 Turn down amplifier's volume to the minimum before connecting AC adaptor to the product in order not to damage other connected equipment.

**⑫ OUTPUT (output jack)**

Output jack to connect to input of amplifier or other effects.

**⑬ NR ON/OFF**

Turing on this switch activates the noise reduction and NR threshold volume to cancel unwanted noise when no or little guitar signal comes out.

**⑭ NR THRESHOLD**

Controls noise reduction threshold level. Turn it clockwise for more noise reduction.

\* With this volume turned clockwise too far, you may loose the pick attack especially when you play low output guitars.

**⑮ INPUT (input jack)**

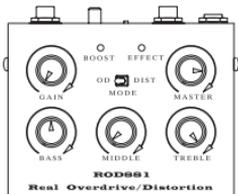
Input jack to connect to the output of guitar, other effects or related equipment.

 This product has a built-in tube, so do not subject it to shock or excessive pressure.

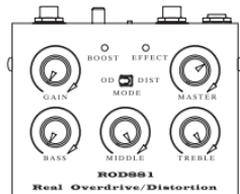
 It takes one or two minutes for the tube to work properly after it's powered on.

# SAMPLE SETTING

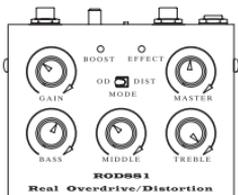
go to [www.maxon.co.jp](http://www.maxon.co.jp) for sound samples



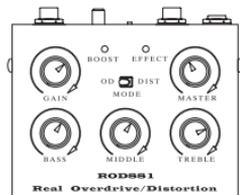
**Booster (MODE: OD, BOOST: ON)**  
ROD881 simply works as a booster.



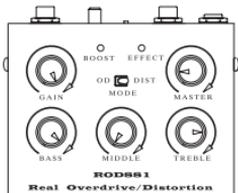
**Treble booster (MODE: OD, BOOST: ON or OFF)**  
A tone reminiscent of the treble booster sound in the '70s.



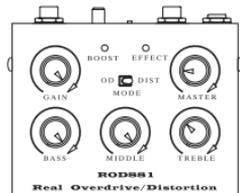
**Natural drive (MODE: OD, BOOST: ON or OFF)**  
For more distortion while keeping your amp's original tone unchanged.



**High gain drive (MODE: OD, BOOST: ON or OFF)**  
Recreates the overdrive of a high gain tube amp.



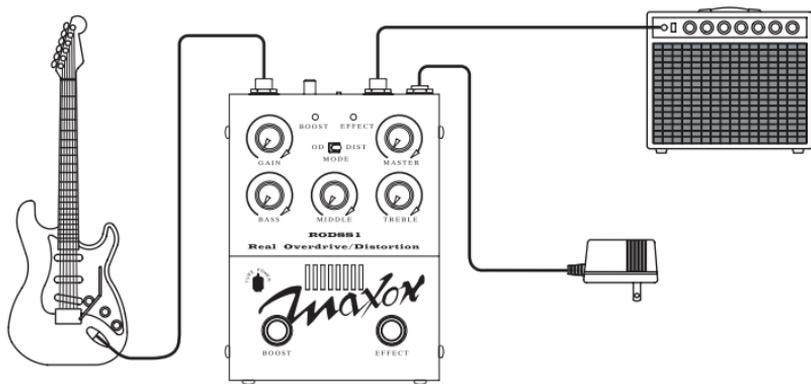
**Heavy distortion (MODE: DIST, BOOST: ON or OFF)**  
Thick and smooth distortion, a sound typical of tube amps.



**Vintage distortion (MODE: DIST, BOOST: ON or OFF)**  
Powerful and smooth distortion sound in the '60s and '70s.

Setting by Shiro Tanigawa

# CONNECTION DIAGRAM



# SPECIFICATIONS

Input Impedance	: 500k ohms
Output Impedance	: less than 10k ohms
Equivalent Input Noise	: less than -110dB ( input shorted, IHF-A weighted )
Maximum Output Level	: +10dB (typical)
Tone Control Range (Bass)	: 100Hz 0 to 28dB (typical)
(Middle)	: 1kHz 0 to 25dB (typical)
(Treble)	: 3kHz 0 to 22dB (typical)
Noise Reduction Ratio	: 1:2 or more (approx.)
Tube	: selected dual triode tube
Power Consumption	: 190mA at 10VDC / 180mA at 9VDC
Dimensions	: 110(W) x 160(D) x 72(H) mm
Weight	: 700g
Power Supply	: Maxon AC adaptor AC210 ( or AC310 ) for 100VAC Maxon AC adaptor AC210N for 120VAC Maxon AC adaptor AC210U for 220VAC Maxon AC adaptor AC210UK for 230VAC (BS1363 plug) Maxon AC adaptor AC210AN for 240VAC

\* 0dB = 0.775Vrms

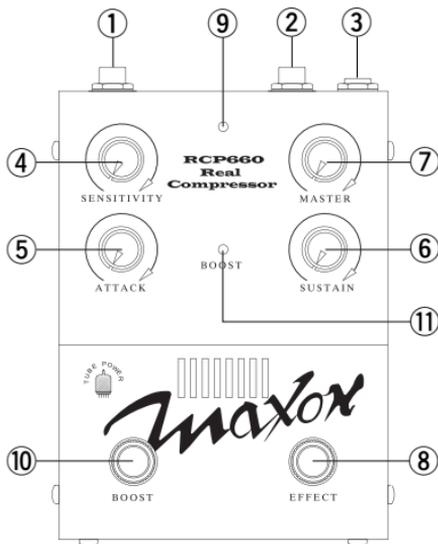
\* Specifications are subject to change without notice.

# RCP660 Real Compressor

- A compressor with a real tube inside.
- Natural compression that is not obtainable from digital effects.
- With little tone coloring, RCP660 is good for both guitar and bass guitar.
- Equipped with a boost switch for quick changes between solos and rhythms.
- Reliable footswitch and easily viewable LED for trouble-free performance.

## FEATURES AND CONTROLS

- ① INPUT (input jack)  
Input jack to connect to the output of guitar, other effects or related equipment.
- ② OUTPUT (output jack)  
Output jack to connect to input of amplifier or other effects.
- ③ DC IN (power input jack)  
A jack for connection of power supply to effect. Be sure to use the correct Maxon AC adaptor.  
 Turn down amplifier's volume to the minimum before connecting AC adaptor to the product in order not to damage other connected equipment.



#### ④ SENSITIVITY

Controls input sensitivity to match the output of guitar's pickup. Set this volume low for high gain active pickups. The guitar signal and RCP660's input signal come to the same level when this volume is turned fully clockwise.

#### ⑤ ATTACK

Controls pick attack intensity. Turn this volume clockwise to emphasize the attack and turn it counterclockwise for lesser and smoother attack.

#### ⑥ SUSTAIN

Controls the duration of a picked signal at a constant level, before the note starts to fade. Turn it clockwise for more compression. Set it slightly low to use this effect as a limiter.

#### ⑦ MASTER

Controls effected output volume. Turn it clockwise for more volume. Typically output levels of both normal tone and effected tone should be adjusted to equal levels.

#### ⑧ EFFECT ON/OFF ⑨ EFFECT LED

A switch for effect on/off. Stepping on this switch alternately turns effects and EFFECT LED on and off.

#### ⑩ BOOST ON/OFF ⑪ BOOST LED

A switch to boost the output level. Stepping on this switch alternately turns boost and BOOST LED on and off.

\* When the effect is off, the boost switch turns LED on but doesn't boost the output level.



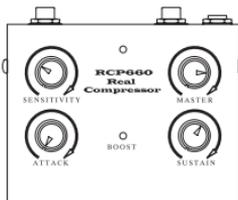
This product has a built-in tube, so do not subject it to shock or excessive pressure.



It takes one or two minutes for the tube to work properly after it's powered on.

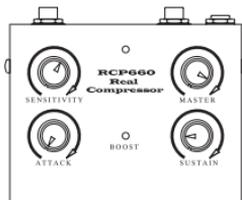
# SAMPLE SETTING

go to [www.maxon.co.jp](http://www.maxon.co.jp) for sound samples



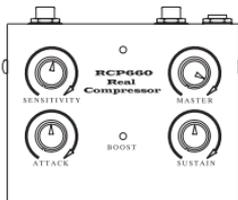
## For guitar (BOOST: ON)

A standard setting for single pickups.



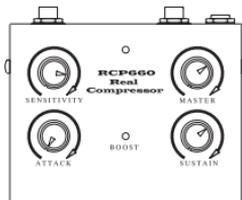
## For bass

Works as a limiter with tube's warm tone.



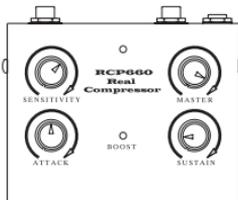
## For guitar

Works well for overdrive tone with long sustain.



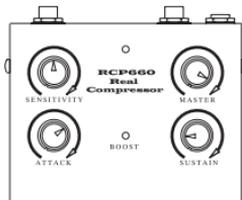
## For bass

Smooth and long sustain.



## For acoustic electric guitar

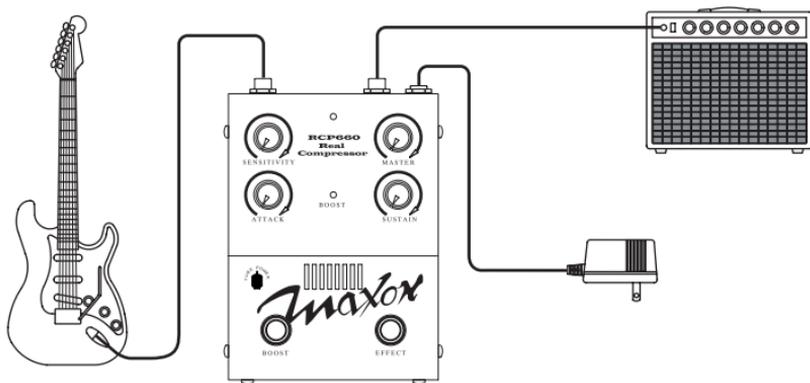
Clean and natural compression.



## For bass (BOOST: ON)

Powerful boost for bass solos.

# CONNECTION DIAGRAM



# SPECIFICATIONS

Input Impedance	: 500k ohms
Output Impedance	: less than 10k ohms
Equivalent Input Noise	: less than -105dB ( input shorted, IHF-A weighted )
Maximum Output Level	: +10dB (typical)
Maximum Gain	: 47dB / 34dB ( boost on / off ) * all knobs at their maximum positions
Compression ratio	: 3:1 (approx.)
Attack Time	: 1 to 12mSec. (at input -10dB, 1KHz)
Tube	: selected dual triode tube
Power Consumption	: 160mA at 10VDC / 160mA at 9VDC
Dimensions	: 110(W) x 160(D) x 72(H) mm
Weight	: 600g
Power Supply	: Maxon AC adaptor AC210 ( or AC310 ) for 100VAC Maxon AC adaptor AC210N for 120VAC Maxon AC adaptor AC210U for 220VAC Maxon AC adaptor AC210UK for 230VAC Maxon AC adaptor AC210AN for 240VAC

\* 0dB = 0.775Vrms

\* Specifications are subject to change without notice.

Optional accessories:  
Maxon AC adaptor

model name	input	output	polarity
AC210N	120VAC	9VDC/200mA	 center-/sleeve+
AC210U	220VAC		
AC210UK (BS1363 plug)	230VAC		
AC210AN (AS/NZS3112 plug)	240VAC		
AC210	100VAC	10VDC/200mA	

Maxon shall not be held liable to you or any third party for any losses caused by incorrect operation of this equipment, malfunction or any other failure of this equipment to operate as expected, or normal use of this equipment, except to the extent stipulated by law.

Maxon shall not be held liable to you or any third party for any losses related to concerts, exhibitions, or any other type of event due to malfunction or incorrect operation of this equipment.



If you want to dispose this product, do not mix with general household waste.

There is a separate collection system for used electronics products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within European Union.

**Make it your favorite for a long time.**

**Maxon®**

**NISSHIN ONPA CO.,LTD.**

4172-1 Shimauchi, Matsumoto-City, Nagano, 390-0851 Japan

TEL:+81-263-40-1403 FAX:+81-263-40-1410

<http://www.maxon.co.jp/>

[sales@maxon.co.jp](mailto:sales@maxon.co.jp)

For North America - URL : <http://www.maxonfx.com>

e-mail : [info@maxonfx.com](mailto:info@maxonfx.com)

※ALL SPECIFICATIONS ARE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT NOTICE OR OBLIGATION.

Sample setting by Shiro Tanigawa

UMN-RTB-0101B ©Copyright 1976-2007 NISSHIN ONPA CO.,LTD. All rights reserved.

July 2007 Printed in JAPAN