

# RU-N2N™

## RACK TUNER



### Owner's Manual

**STEP UP!**  
www.swrsound.com

### Features



- POWER** - Switches the RU-N2N on-off.
- INPUT** - Use *either* this jack or the rear panel IN jack {8} to input your bass signal.

- MUTE** - Disconnects the OUT 2 jack audio output as indicated by the MUTE LED, useful for silent bass tuning. MUTE can be activated from either the front panel MUTE button or a MUTE footswitch (optional), but MUTE *can only be deactivated by the same switch that activated it.*

- TUNING LEDs** - These 20 LEDs indicate the degree of flatness or sharpness of the played note compared to the displayed note {7} in 5 cent intervals. The RU-N2N puts on a "light show" after 1 minute of no input.

- SWR BADGE** - Lights brightly to indicate when the played note is "in tune" to the displayed note {7}.

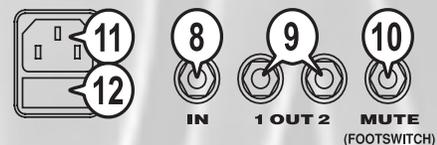
- CALIBRATION MODE and FLAT NOTE DISPLAY** -

Calibration Mode: Adjusts the A4 reference frequency (default 440Hz) from 438Hz to 445Hz. *Press and hold CAL* to activate Calibration Mode. While the calibration frequency is displayed, press CAL repeatedly to change the reference frequency in 1Hz steps. Calibration Mode cancels automatically.

Flat Note Display: Press CAL to display flats, rather than sharps ("Ab" instead of "G#"), as indicated by the LED. Press CAL again to cancel.

- NOTE DISPLAY** - Indicates the closest note to the played note (see FLAT NOTE DISPLAY above).

### Rear Panel



- IN** - Alternate input jack. This jack is disabled automatically if a plug is inserted into the front panel INPUT jack {2}.
- OUT 1 and OUT 2** - Connect either of these output jacks to your amplifier input: OUT 1 is always active. OUT 2 can be disabled by the MUTE-switch {3}.
- MUTE FOOTSWITCH** - Connect a standard latch-type footswitch to enable remote audio muting, see MUTE {3}. (Mute is active when the footswitch is in the "closed" position.)
- MAIN POWER INPUT** - Connect the included power cord to a grounded AC outlet in accordance with the voltage and frequency ratings specified on the rear panel of your RU-N2N.
- MAIN FUSE** - Protects the unit from electrical faults. Replace a blown fuse only with the type specified on the rear panel of your RU-N2N.

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## Important Safety Instructions

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This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safe operation of the unit.

- Δ Read, retain, and follow all instructions. Heed all warnings.
- Δ **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- Δ **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- Δ Do not drip nor splash liquids, nor place liquid filled containers on the unit.
- Δ Hazardous voltages may be present within the cabinet even when the power switch is off and the power cord is connected. Therefore, disconnect the power cord from the rear panel power inlet before servicing. The power inlet must remain readily operable.
- Δ This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- Δ This product should be serviced by qualified service personnel when: the power supply cord or the plug has been damaged; or objects have fallen, or liquid has been spilled onto the product; or the product has been exposed to rain; or the product does not appear to operate normally or exhibits a marked change in performance; or the product has been dropped, or the enclosure damaged.
- Δ This product should only be used with a cart or stand that is recommended by the manufacturer.
- Δ Maintain at least 6 inches (15.25 cm) of unobstructed air space behind the unit to allow for proper ventilation and cooling of the unit.
- Δ This product may be equipped with a polarized plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of this plug.
- Δ Only connect the power supply cord to an earth grounded AC receptacle in accordance with the voltage and frequency ratings listed under INPUT POWER on the rear panel of this product.
- Δ Protect the power supply cord from being pinched or abraded.
- Δ The power supply cord of this product should be unplugged from the outlet when left unused for a long period of time, or during electrical storms.
- Δ Unplug the power supply cord before cleaning the unit exterior (use a damp cloth only). Wait until the unit is completely dry before reconnecting it to power.

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## Specifications

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<b>TYPE:</b>	PR 644
<b>PART NUMBER:</b>	4485000000 (120V, 60Hz) USA
<b>SCALE:</b>	12 note equal temperament
<b>RANGE:</b>	A0 (27.5Hz)–B7 (3951.06Hz)
<b>PRECISION:</b>	±1 cent
<b>CALIBRATION RANGE:</b>	438Hz–455Hz, 1Hz steps (A4 440Hz default)
<b>POWER CONSUMPTION:</b>	27W
<b>FUSE:</b>	100V–120V models: T250mAL      220V–240V models: T150mAL
<b>DIMENSIONS:</b>	Height: 44mm      Width: 483mm      Depth: 190mm
<b>WEIGHT:</b>	2.5kg



*Product specifications are subject to change without notice.*

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CORONA, CALIFORNIA USA

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