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Important Safety Instructions



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.

- △ Read, retain, and follow all instructions. Heed all warnings.
- △ 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.
- △ **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- △ 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.
- △ 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.
- △ This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- △ 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.
- △ Protect the power supply cord from being pinched or abraded.
- △ This product should only be used with a cart or stand that is recommended by the manufacturer.
- △ 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.
- △ 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.
- △ Do not drip nor splash liquids, nor place liquid filled containers on the unit.
- △ **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- △ SWR® amplifiers and loudspeaker systems are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.
- △ 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.

Instrucciones de Seguridad Importantes



Este símbolo advierte al usuario que en el interior de la carcasa hay niveles peligrosos de voltaje.



Este símbolo advierte al usuario que lea toda la documentación adjunta para utilizar la unidad con seguridad.

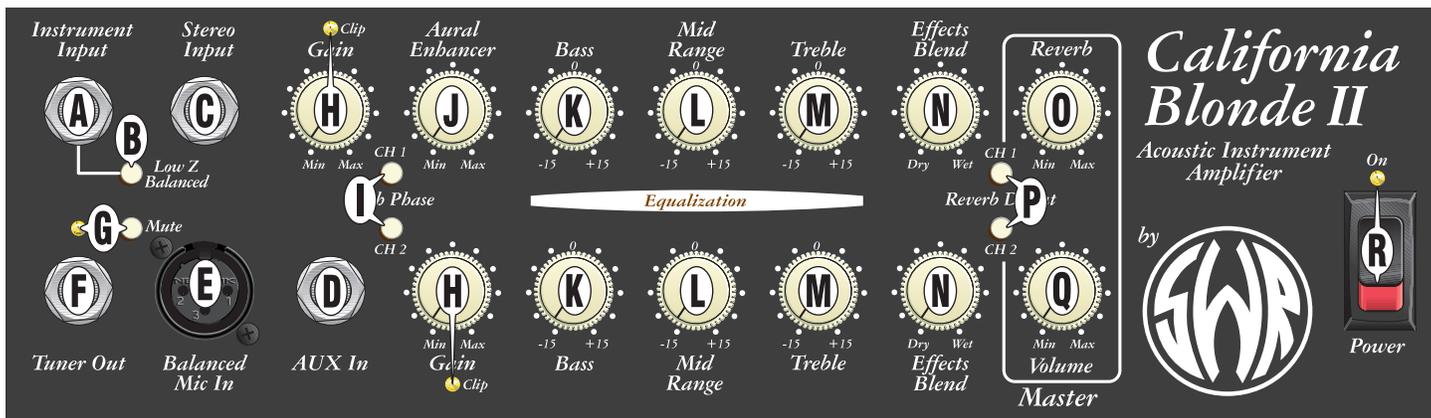
- △ Lea las atentamente instrucciones y sígalas al pie de la letra. Tenga en cuenta todas las instrucciones.
- △ Conecte únicamente el cable de alimentación eléctrica a una toma de CA de acuerdo con las especificaciones de voltaje y frecuencia que se indican en la potencia de entrada INPUT POWER del panel posterior de este producto.
- △ **ADVERTENCIA:** Para evitar daños, incendios y descargas eléctricas, no exponga esta unidad a la lluvia ni a la humedad.
- △ Antes de limpiar el exterior de la unidad, desconecte el cable de alimentación (utilícese únicamente un paño húmedo). Deje que la unidad se seque completamente antes de volver a conectarla a la corriente.
- △ Para una ventilación y refrigeración adecuadas, deje un espacio mínimo de 15.25 cm detrás de la unidad.
- △ Este producto deberá estar situado lejos de fuentes de calor tales como radiadores, registros de calefacción u otros productos que generen calor.
- △ Es posible que este producto esté equipado con un enchufe polarizado (un blade más ancho que el otro). Esta es una función de seguridad. Si no puede introducir el enchufe dentro de la toma de corriente, póngase en contacto con un electricista para que la cambie ya que podría estar anticuada. No anule el propósito de seguridad de este enchufe.
- △ Tenga cuidado de que el cable de alimentación no se pinche ni se erosione.
- △ Este producto sólo se debe utilizar con el soporte recomendado por el fabricante.
- △ El cable de alimentación de este producto deberá estar desconectado de la toma de corriente cuando no se vaya a utilizar durante un período de tiempo largo o en caso de tormenta eléctrica.
- △ Este producto deberá ser reparado por personal cualificado si: el cable de alimentación o el enchufe están dañados, ha caído algún objeto o se ha derramado líquido encima, el producto ha estado expuesto a la lluvia, no funciona normalmente o muestra signos de cambio en el rendimiento, ha sufrido algún golpe o la caja esta dañada.
- △ Evite que goteen o salpiquen líquidos y no coloque recipientes con líquidos sobre la unidad.
- △ **PRECAUCIÓN:** Contiene piezas cuyo mantenimiento no lo puede realizar el usuario, sino sólo personal cualificado.
- △ Los amplificadores y altavoces SWR® pueden producir niveles de presión acústica muy elevados, que pueden provocar daños temporales o permanentes en el oído. Utilice la precaución al ajustar el volumen nivela.
- △ Es posible que haya cargas eléctricas peligrosas dentro de la caja, aunque se haya apagado, mientras esté conectado el cable de alimentación. Por tanto, se debe desconectar el cable de alimentación del panel posterior antes de proceder a su reparación o mantenimiento. La toma de corriente debe permanecer preparada para su funcionamiento.

6 **SWR® California Blonde™ II**

Congratulations! Your new SWR® California Blonde™ II delivers the famous SWR® tone, clarity, and true full-range response that has made SWR® the choice of professionals for over twenty years. We sincerely thank you for choosing SWR®, and remain committed to helping you Amplify Your Future™.

Read through this Owner's Manual before using your amplifier not only to ensure your safety, but to realize the full potential of the SWR® California Blonde™ II! Please verify that the following items were included with your amplifier: AC Cable, SWR® Catalog.

Front Panel



A. INSTRUMENT INPUT - Connect your (mono) acoustic instrument here using a shielded instrument cable. This input automatically “senses” either magnetic or piezo pickup and accepts an unbalanced signal (most guitars) or balanced signal , according to the position of the LOW Z BALANCED switch {B}.

B. LOW Z BALANCED - Press *in* to configure the input circuit for low-impedance, *balanced-output* guitars (such as the Taylor Expression System™). A balanced connection offers superior dynamic range and noise immunity and requires a TRS connection.

UNBALANCED (normal) LOW Z BALANCED

C. STEREO INPUT - Connect your (stereo) acoustic instrument here using a stereo , shielded instrument cable. This unique input offers independent control of two pickups (a piezo pickup and soundhole microphone, for example). You can either mix the two channels for “mono” output or feed one channel to an auxiliary amplifier for true stereo output, see LINE OUT (CH 1) {W}.

The STEREO INPUT jack routes the signal: **T**ip to Channel 1, **R**ing to Channel 2 and **S**leeve to ground.

NOTE: The MIC IN and AUX IN inputs are disabled when a plug is inserted into STEREO INPUT.

D. AUX IN - Input for a second instrument or unbalanced microphone; disabled when using the STEREO INPUT {C}.

E. BALANCED MIC IN - True balanced XLR input, with PHANTOM POWER SUPPLIED for a microphone; disabled when using the STEREO INPUT {C}.

Pin	XLR Wiring	(American Standard)
1	Ground	
2	Positive	
3	Negative	

F. TUNER OUT - Plug your tuner in here to enable inline tuning. Use MUTE {G} to disable audio output while tuning.

G. MUTE - Disables all audio output *except* the TUNER OUT {F} jack; useful when tuning up and during instrument changes. The LED indicates when MUTE is on.

H. GAIN - Adjusts the preamp signal level. Use GAIN to balance the volume levels between the two channels while maintaining the optimal signal-to-noise ratio as indicated by the CLIP LED:

- ☼ **CLIP LED** - Indicates when the preamp, tone circuits, or output buffer are overdriven (clipping) and causing signal distortion. The best GAIN setting for minimum distortion is indicated when CLIP barely flashes at peak channel input levels (maximum signal strength). This clipping is *not* harmful to your amplifier, therefore, reduce GAIN for *unwanted* distortion. Check the CLIP LEDs after adjusting tone or Reverb controls, as they contribute to the GAIN level.

GAIN also controls the level of all rear panel output jacks, including EFFECTS SEND {Y} and can be used to optimize external equipment connections such as an effects device that is being overdriven (you may need to adjust other levels to compensate for GAIN changes). **NOTE:** If you still hear distortion even at low GAIN settings (CLIP LED not flashing), check your guitar battery.

I. PUSH PHASE - Reverses the input/output phase of each channel which may reduce “regenerative” feedback occurring at a particular *distance* from the amplifier. If an instrument or microphone feedback, reverse the phase of that channel or change your position/distance from the amplifier.

J. AURAL ENHANCER - Featured on just about every SWR® amplifier since the company’s inception in 1984, it is a trademark part of the “SWR Sound” people have come to know and love. It was developed to bring out the fundamental notes of the guitar, enhance the high-end transients, and reduce certain frequencies that “mask” the fundamentals. The ultimate effect is a more transparent sound that opens up the sibilance characteristics of all instruments without being harsh.

How the AURAL ENHANCER works: Think of it as a variable tone control that changes frequency range AND level according to where you set the AURAL ENHANCER control:

As you rotate the control clockwise from the “MIN” position, you are elevating low, mid, and high frequency levels in ranges that are different, yet complementary to the BASS, MID and TREBLE tone controls. The “2 o’clock” position—a favorite for many users—brings out both low end fundamentals and crisp highs while at the same time, adds a little lower midrange helping you to cut through the band. Then, as you rotate further clockwise, selected mids will drop off—specifically, a group of frequencies centered around 200Hz. While apparent, these curves are gentle, as opposed to the extreme effects you can create with the basic tone controls.

Your ears are the best judge when it comes to settings that affect the tone of your instrument. Theories are meaningless if the sound doesn’t satisfy! So, play a chord, a repeated lick, or a harmonic, and turn the AURAL ENHANCER control to various points on the knob to hear it for yourself.

K. BASS - Adjusts the low-frequency response of each channel. Centered at 110Hz, this range provides fullness as well as the punch to your sound. The BASS control has no affect at “0.”

L. MID RANGE - Adjusts middle-frequency response of each channel. Centered at 800Hz, this range creates a distinctive edge in your sound which is critical for most instruments. The best setting will depend on the situation and setting—a MID RANGE setting that sounds harsh when alone may sound just right in a crowded room or on a recording. MID RANGE has no affect at “0.”

M. TREBLE - Adjusts high-frequency response of each channel. Centered at 3.2kHz, this range adds the bright sparkle to your sound and can bring a dull instrument to life. Because high-frequencies are “directional” by nature, it is important to listen from different angles to find the best TREBLE setting and the optimum placement for your amplifier. TREBLE has no affect at “0.”

N. EFX BLEND - Controls the level of your effects loop, or more precisely, the ratio of external effects loop (*wet*) signal, to internal amplifier (*dry*) signal for each channel. Used in conjunction with the rear panel Effects Loop jacks, EFX BLEND is enabled when a 1/4" phone plug is inserted into EFFECTS RETURN {S}.

O. REVERB - Adjusts the level of Reverb for both channels.

P. REVERB DEFEAT - Disables REVERB for each channel:

- REVERB ON REVERB OFF (DEFEATED)

Q. MASTER VOLUME - Adjusts the overall loudness of of the amplifier after all other controls are set.

R. POWER SWITCH - Switches power on-off to the amplifier as indicated by the LED.



- S. IEC POWER CORD SOCKET** - Connect the included power supply cord to a properly wired, grounded AC electrical outlet in accordance with the voltage and frequency ratings specified on the rear panel of your amplifier.
- T. FUSE** - Protects the amplifier from electrical faults. Replace a blown fuse **ONLY** with a fuse of the type/rating specified on the rear panel of your amplifier to protect your amplifier and maintain warranty coverage.
- U. COMBO CABINET OUTPUT** - *DO NOT unplug this speaker connection.* Your amplifier will be damaged if powered on while disconnected. Intended only for qualified service technicians during chassis removal.
- V. REVERB FOOTSWITCH** - Connect a standard latch-type footswitch to enable remote on-off activation of Reverb Defeat. (Reverb is defeated when the footswitch is in the “closed” position.) Reverb Defeat can be activated from either the front panel button or the footswitch, but it *can only be deactivated by the same switch that activated it.*
- W. LINE OUT (CH 1)** - Provides unbalanced Channel 1 preamp output for an auxiliary amplifier or sound equipment. Channel 1 signal is disconnected from the internal power amp when a plug is inserted into this jack. This signal includes onboard tone shaping, the effects loop signal, but not Reverb. Output level is controlled by GAIN {H}.
- X. LINE OUT (CH 1+2)** - Provides an unbalanced output summed from both channel preamps for an auxiliary amplifier or sound equipment. The power amp is **NOT** disconnected when a plug is inserted into this jack. This signal includes onboard tone shaping, the effects loop signal, AND Reverb. Output level is controlled by GAIN {H}.
- Y. EFFECTS LOOPS (CH 1 and CH 2)** - Jacks for connecting your external effects units to each channel. The SEND level is controlled by GAIN {H}. The RETURN signal can be blended in any ratio with the “dry” preamp signal using EFX BLEND {N}.

Use only shielded instrument cables with standard 1/4" mono phone plugs with these jacks. Use a stereo-to-mono adapter if your source has a stereo plug. Connect EFFECTS SEND to your effects device input, then connect the effects device output to EFFECTS RETURN. NOTE: Set the wet/dry control on external effects units to the fully WET position to prevent phasing problems. Set the input level on external effects as close to 0dB as possible.

The Effects Loop circuit is on a “side chain” of the main circuit (as in studio recording consoles) to provide the full sound of your instrument AND the diversity of your effects units. Located *after* the gain stages in the preamp signal path, this circuit also reduces any noise generated by your effects units.

California Blonde II Stereo Operation: When using the STEREO INPUT {C}, connect the LINE OUT (CH 1) jack to an external powered speaker (such as the SWR® *Blonde on Blonde*™) or the power amp input of an auxiliary amplifier. Connect a stereo effects unit using both Effects Loops (including both EFFECTS BLEND controls) on the California Blonde II to create a fully ambient stereo field.

Z. XLR OUTPUTS - Studio quality, true electronically balanced outputs that provide the ability to send Channel 1 and 2 separately or together for custom mixing. All 3 XLR outputs include onboard tone shaping and the effects loop signal, BUT only the CH 1 + 2 output includes Reverb. Output level is controlled by GAIN {H}, pin wiring is “American Standard”: 1=Ground, 2=(+), 3=(-).

GROUND / LIFT - Disconnects the ground connection (pin-1) from all 3 XLR outputs, which may reduce hum noise due a ground loop (non-standard XLR wiring somewhere in the signal path). Normally leave this switch out.

GROUNDED (normal) GROUND LIFTED

Lifting the ground connection will not solve hum noise due to bad cables, poor connections, miswired A/C outlets, nearby fluorescent lighting (especially with single-coil pickups) or a cell phone close to your instrument.

AA. TWEETER LEVEL CONTROL -

Controls the volume of the high-frequency tweeter. Normally, start by setting this control to the “12 o’clock” position, then adjust as desired. Some instruments such as violins, cellos and upright basses may sound best with the tweeter off (LEVEL CONTROL fully counter-clockwise). The front panel TREBLE knob controls the



frequency range of the tweeter and can be used as a “high-end pad.”

BB. EXTENSION SPEAKER OUTPUTS - The California Blonde II amplifier features both Speakon® and



1/4" phone speaker output jacks to provide flexibility in making your extension speaker connections. Use the Speakon® jack whenever possible to take

advantage of its superior power transfer efficiency and locking connector. Both jacks are full range and wired in parallel.

- Connect speakers with a total impedance load of 8-ohms **minimum** to prevent damage to your equipment (one 8-ohm speaker or two 16-ohm speakers are acceptable).
- ONLY connect speakers to these outputs.
- ALWAYS switch the amplifier OFF before connecting or disconnecting speakers.
- ONLY use unshielded speaker cable of 18 gauge or heavier (such as 16 or 14 gauge) for speaker connections. Shielded instrument cable WILL NOT work and may damage your equipment.

Specifications

TYPE:	PR 628	
PART NUMBER:	4460000010 (120V, 60Hz) US	4460001010 (110V, 60Hz) TW
	4460003010 (240V, 50Hz) AUS	4460004010 (230V, 50Hz) UK
	4460005010 (220V, 50Hz) ARG	4460006010 (230V, 50Hz) EUR
	4460007010 (100V, 50Hz) JPN	4460009010 (220V, 60Hz) ROK
POWER REQUIREMENT:	360 W	
POWER OUTPUT:	200 W RMS into 4 Ω @ 0.1%THD	150W RMS into 8 Ω @ < 0.02% THD
INPUT IMPEDANCES	INSTRUMENT: 3.9M Ω	
	STEREO: 1M Ω	
	AUX: 1M Ω	
FUSES:	F8A 250V for 100V–120V versions F4A 250V for 220V–240V versions	
SPEAKERS:	One 8Ω, 200W, 12" stamped frame woofer (P/N 0067084000) One 16Ω, 25W, supertweeter (crossover 4kHz) (P/N 0067254000)	
DIMENSIONS	HEIGHT: 25 in	(63.5 cm)
	WIDTH: 15 in	(38.1 cm)
	DEPTH: 14 in	(35.6 cm)
WEIGHT:	51 lb	(23.1 kg)



Product specifications are subject to change without notice.



SWR®

Corona, California USA

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