



JEFF ROWLAND
DESIGN GROUP

CONTINUUM S2 INTEGRATED AMPLIFIER

Operational Manual



IMPORTANT SAFETY INSTRUCTIONS

The integrated amplifier has been designed to operate at the highest level of efficiency and performance in any normal operating situation; however, there are a few important use and care principles that must be kept in mind when operating the integrated amplifier:

- Read these instructions.
- Keep these instructions.
- Follow all instructions.
- Do not expose the integrated amplifier to rain, moisture, or excessively damp conditions.
- Do not block any ventilation openings.
- Due to auto-ranging circuitry and dual-stage voltage regulation, the audio performance will not be affected by any voltage fluctuations within the operating voltage range. The CONTINUUM S2 can be operated at any mains voltage over the range of 85 to 265 VAC without any adjustments necessary.
- The CONTINUUM S2 must not be modified in any way, other than according to official service bulletins from JRDG (Jeff Rowland Design Group). Otherwise, the factory warranty will be immediately voided.
- When operating the CONTINUUM S2, a properly grounded AC receptacle should be used. A potential shock hazard may result if the supplied 3-wire, grounded AC cable ground terminal is defeated or lifted or the unit is connected to a 2-wire ungrounded AC outlet.
- The CONTINUUM S2 is designed to perform optimally with no adjustments or maintenance for the lifetime of the product. Do not attempt to open the bottom or top cover of the integrated amplifier and refer all service issues to qualified personnel. The voltages inside the CONTINUUM S2 can be hazardous.

PROTECTIVE SYSTEMS

The CONTINUUM S2 is equipped with internal fuses for protection against excessive AC current draw; however, since no protection circuitry or system can completely protect a product from every electrical hazard, certain precautions should be observed. In the event of severe voltage hazards such as lightning or when the integrated amplifier will not be used for extended periods of time, the integrated amplifier should be unplugged from the AC mains to avoid potential damage to the internal circuitry. All other audio/video system components should also be disconnected from AC mains power as hazardous voltages can easily travel throughout an interconnected system.



The crossed-out wheeled bin is the European Union symbol for indicating separate collection for electrical and electronic equipment. This product contains electrical and electronic equipment which should be reused, recycled or recovered and should not be disposed of with unsorted regular waste. Please return the unit or contact the authorized dealer from whom you purchased this product for more information.



This product complies with European Low Voltage (2006/95/EC) and Electromagnetic Compatibility (89/336/EEC) Directives when used and installed according to this instruction manual. For continued compliance servicing must be referred to qualified service personnel.

LIMITED WARRANTY

Jeff Rowland Design Group, Inc. warrants the materials, workmanship, and proper functioning of this product for a period of five years from the date of purchase as long as the product was operated in accordance with its operating manual, the products was not altered or improperly serviced or prepared, or if the product failed to function from the beginning. In the event of such a failure, the product will be repaired or replaced by Jeff Rowland Design Group, Inc. through one of its dealers. This warranty is extended to the original purchaser only and is non-transferable to any secondary or other purchaser.

In order to have this product repaired or replaced, the original purchaser must first obtain the prior authorization of Jeff Rowland Design Group, Inc. or one of its dealers. Purchaser must then return the product, PACKAGED IN ITS ORIGINAL CARTON, FREIGHT PREPAID to: Jeff Rowland Design Group, Inc., 2911 North Prospect Street, Colorado Springs, Colorado, 80907, or to one of its dealers.

Jeff Rowland Design Group, Inc. reserves the right to inspect any product which is subject to any warranty claim prior to repairing or replacing it. Final determination of warranty coverage lies solely with Jeff Rowland Design Group, Inc. Said determination shall be made as soon as possible following receipt of the product. Jeff Rowland Design Group, Inc. may, at its option, require from the purchaser, valid proof of purchase (dated copy or photocopy of dealer's original invoice). Out-of-warranty claims will be billed for labor, materials, return freight, and insurance as required. Any product for which a warranty claim is accepted will be returned to the purchaser and costs of shipping and insurance will be factory prepaid within the boundaries of the USA. Units to be shipped outside of the USA will be shipped freight collect only. This warranty gives the holder specific legal rights. The purchaser also has implied warranty rights, and may also have other rights which may vary from state to state.

Jeff Rowland Design Group, Inc. strives to manufacture the very finest possible equipment and therefore reserves the right to make changes in design and improvements upon its previously manufactured models.

THE ABOVE WARRANTY IS THE SOLE WARRANTY GIVEN BY JEFF ROWLAND DESIGN GROUP, INC. AND IS IN LIEU OF ALL OTHER WARRANTIES; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE SHALL BE STRICTLY LIMITED IN DURATION TO FIVE YEARS FROM THE ORIGINAL DATE OF PURCHASE AND UPON THE EXPIRATION OF THIS FIVE YEAR WARRANTY PERIOD, JEFF ROWLAND DESIGN GROUP, INC. SHALL HAVE NO FURTHER OBLIGATION OF ANY KIND WHETHER EXPRESSED OR IMPLIED.

Jeff Rowland Design Group, Inc. does not authorize any third party, including any dealer or representative, to assume any liabilities on its behalf or to make any warranties on its behalf unless authorized to do so.

Warranty registration cards must be completed and mailed to Jeff Rowland Design Group, Inc. within thirty (30) days of the date of purchase. If this product is used in a commercial or industrial application, then special warranty exclusions may apply. Contact your dealer or Jeff Rowland Design Group, Inc. for information regarding our commercial warranty policies.

GUIDE USE

This guide is designed to make installing and using this product as easy as possible. Information in this document has been carefully checked for accuracy at the time of printing; however, Jeff Rowland Design Group, Inc.'s policy is one of continuous improvement, therefore design and specifications are subject to change without prior notice. If you notice any errors please feel free to email us at: support@jeffrowlandgroup.com.

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NOTE FROM JEFF ROWLAND DESIGN GROUP

Welcome to the Jeff Rowland Design Group “family” and congratulations on your purchase of what is unquestionably one of the world’s finest integrated amplifiers. With its combination of features such as precision electronic circuitry, exceptional efficiency, and accurately machined chassis components throughout, your CONTINUUM S2 will offer you many years of musically satisfying enjoyment.

Please take a few minutes to read the remainder of this Owner’s Manual before proceeding with the installation of the integrated amplifier. A thorough understanding of the operational features will allow you to gain the maximum performance and ease of use for which this integrated amplifier was designed.

Please note that your CONTINUUM S2 serial number begins with the letters “CU”. Please include this number with any correspondence regarding your CONTINUUM S2. It has been my joy to create an audio component of enduring value that reflects the highest ideals of musical and artistic expression. It is my hope that these qualities will enrich your experience and pride of ownership.

If you have any additional questions regarding the installation or operation of the MODEL CONTINUUM S2, please contact your authorized Jeff Rowland Design Group dealer or check the Jeff Rowland Design Group web site at <http://jeffrowlandgroup.com>.

Enjoy the music!

A handwritten signature in black ink that reads "Jeff Rowland". The signature is written in a cursive, flowing style with a large initial "J" and "R".

Jeff Rowland
President, Jeff Rowland Design Group

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SPECIAL DESIGN FEATURES

COMPACT ELEGANCE: Balanced integrated amplifier design housed inside a low profile, compact, ultra-low resonance, structurally rigid chassis that is precision-machined from solid blocks of aircraft grade 6061-T6 aluminum that is completely sealed for trouble-free operation and high RF and EMI isolation. An auto-ranging switch-mode power supply accepts all world-wide mains voltages. The elegant front panel is precision-machined and sculpted with a diamond tipped cutting tool.

I/O FLEXIBILITY: Dual low impedance line-level outputs (80 ohms balanced, 40 ohms unbalanced), 40k ohms balanced and unbalanced inputs, and preamp bypass inputs allow unprecedented compatibility with audio and A/V components.

HIGH-PRECISION SURFACE MOUNT COMPONENTS: Extensive use of Lead (Pb)-free, low temperature coefficient, active and passive surface-mount components results in significantly smaller loop areas, reduced circuit capacitance and inductance, and introduces less noise than conventional leaded components.

THIN-FILM RESISTORS: All resistors are low noise, 0.1% thin-film type for extremely low thermal noise which complement the low-noise characteristics of the active circuitry.

FOUR-LAYER CIRCUIT BOARD: All circuitry is populated on one side of a 4 layer circuit board to allow for continuous, unbroken, low impedance ground and power supply distribution planes. Care was taken to minimize signal path lengths and components sizes.

TRANSFORMER-COUPLED AND ISOLATION: Transformer coupled input circuitry provides universal component compatibility and virtually eliminates ground loop noise and RFI/EMI. Transformer coupling ensures identical overall gain when using unbalanced input adapters. Other benefits include ground noise isolation and excellent common mode noise rejection (CMRR) from all sources.

PRECISION VOLUME ADJUSTMENTS: Dual rate volume control allows precision level adjustments over nearly a 100 dB range. The volume control incorporates a permanently noiseless optical encoder that always maintain its tactile feel, accuracy, and channel balance at all settings. The optical encoder mounted behind the volume knob commands the attenuation level of a monolithic resistor attenuator over a 99.5 dB range in 0.5 dB increments. Excellent channel matching, monotonicity, and low noise is achieved throughout the entire volume adjustment range over the lifetime of the product.

OPTIONAL PHONO CARD: Optional plug-in phono cards (installed internally) convert Line Input 1 to high performance phono inputs. Three gain and loading options can accommodate moving magnet (MM), moving coil (MC) cartridge types and high output moving coil cartridge types.

OPTIONAL DAC CARD: The DAC card accepts all SPDIF digital signal sources from 44.1 to 192 kHz sampling rates and adjusts accordingly.

HOME THEATRE BYPASS ADJUSTMENT: The Home Theatre BYPASS RCA inputs can be changed to an additional set of standard inputs by placement of an internal jumper inside the unit.

DISPLAY OFF (5 SEC): An internal jumper will place the display in an automatic OFF condition after 5 seconds from any operational command and illuminates again for 5 seconds after additional commands are initiated.

REMOTE CONTROL: Six-function remote control transmitter adjusts volume, input selection, mute, channel balance, display dimming and turn-off, and control of absolute phase.

GREEN TECHNOLOGY: Modest power consumption of 32 Watts when idling permits constant power-up operation to eliminate warm-up time and maximize musical performance, and allows CONTINUUM S2 to operate enclosed in an entertainment unit.

HIGH-QUALITY CONNECTORS: All signal connectors are rhodium plated, copper jacks (RCA) and Neutrix silver plated contact (XLR), soldered directly to the circuit board for direct connection to the signal circuitry.

IEC: 15 Amp female IEC AC power connector.

MAINTENANCE AND CARE

All Jeff Rowland Design Group products are designed to provide a lifetime of enjoyment and listening pleasure.

The chassis is sealed to prevent dust from entering the interior of the chassis and thus should never need interior cleaning during the lifetime of the product. All internal circuitry is maintenance-free such that no adjustments of any kind are necessary over the lifetime of the product. If the integrated amplifier is ever in need of service, updating, or upgrading, it should only be returned to an authorized repair facility or technician for servicing.

The front panel of the unit is precision-machined in a unique process that incorporates a diamond tipped cutting tool. This process was refined over many years to produce an attractive and unique appearance. Because the surface is not finished in the typical fashion of most audio and video equipment, there are a few rules that must be kept in mind when cleaning the equipment.

NOTE: PLEASE ALLOW THE FRONT PANEL, WHICH IS COATED WITH AN AUTOMOTIVE-GRADE POLYURETHANE FINISH, TO CURE FOR 6 MONTHS BEFORE ATTEMPTING TO CLEAN IT. THIS WILL PREVENT SMALL SCRATCHES FROM MARRING THE SURFACE BEFORE THE SURFACE COATING HAS HAD A CHANCE TO HARDEN COMPLETELY.

WARNING: THE FRONT PANEL OF THE UNIT SHOULD NEVER BE CLEANED WITH ANYTHING OTHER THAN A VERY SOFT COTTON CLOTH AND PLAIN WATER OR FINE OIL-BASED FURNITURE POLISH. BECAUSE OF THE FINE FINISH OF THE FRONT PANEL, USE OF ANY OTHER CLEANING AGENT MAY PERMANENTLY SCRATCH THE FINISH.

The top and bottom cover, sides and bottom are protected by a durable black anodized finish and can be cleaned with a soft cotton cloth (such as an optical lens or microfiber cleaning cloth) dampened with plain water. Water should be applied directly to the cloth and not the chassis. A very mild plastic or glass cleaner that does not contain ammonia may also be used. If a mark has been left on the chassis, do not use any type of abrasive or chemical cleaner to remove the mark.

If you have any questions about the care or cleaning of your CONTINUUM S2, please contact your dealer before attempting to clean the chassis. The use of a cleanser or abrasive to clean the chassis that has not been approved by the factory will almost certainly damage the finish and will not be covered under warranty.

UNPACKING AND PLACEMENT

INITIAL INSPECTION

Inspect the shipping container for damage. If any portion of the shipping container, packing material, integrated amplifier, or accessories are damaged or missing, notify your dealer and the shipper (if a claim is to be made) immediately.

NOTE: MANY SHIPPERS REQUIRE NOTIFICATION AND INSPECTION WITHIN 24 HOURS OF DELIVERY TO DETERMINE THE NATURE OF DAMAGES INCURRED.

Your CONTINUUM S2 has undergone extensive performance evaluations, listening tests, quality control inspections, and a minimum 72-hour burn-in period prior to shipment and should therefore be in perfect operating condition upon delivery. If the integrated amplifier does not operate correctly, please notify your dealer immediately.

We strongly suggest that you save all of the packing materials. If the integrated amplifier is returned to your dealer or Jeff Rowland Design Group, the original packing materials must be used for shipment to avoid possible damage. Neither Jeff Rowland Design Group nor the shipper can be held responsible for damages incurred during transit if the original factory packing is not used. All factory returns require that Jeff Rowland Design Group issue a Return Authorization (RA) number prior to shipment.

UNPACKING

Carefully unpack integrated amplifier chassis from original packing box. Remove all accessory items from the accessory box. Accessories include:

- 1 Detachable IEC AC Power Cord
- Operational Manual
- Warranty Card

IMPORTANT: RETAIN ALL PACKING MATERIALS FOR FUTURE TRANSPORT. SHIPPING PRODUCT IN INADEQUATE PACKING MATERIALS MAY VIOLATE THE JEFF ROWLAND DESIGN GROUP MANUFACTURER'S WARRANTY.

PROTECTION SYSTEMS

The CONTINUUM S2 is equipped with internal fuses for protection against excessive AC current draw; however, since no protection circuitry or system can completely protect a product from every electrical hazard, certain precautions should be observed. In the event of severe voltage hazards such as lightning or when the integrated amplifier will not be used for extended periods of time, the integrated amplifier should be unplugged from the AC mains to avoid potential damage to the internal circuitry. All other audio/video system components should also be disconnected from AC mains power as hazardous voltages can easily travel throughout an interconnected system.

INSTALLATION, USE & CARE

Locate the integrated amplifier as close as possible to its final installation point. Allow access to the rear panel for making connections. Due to its design, the CONTINUUM S2 is energy efficient, eliminating the need for large heat sinks or forced-air cooling. As a result, the CONTINUUM S2 can be housed in a cabinet or custom enclosure with no fear of overheating.

The chassis of the CONTINUUM S2 is precision-machined out of a solid block of aluminum to create as rigid an enclosure as possible, impervious to lateral and torsional forces. The integrated amplifier is particularly non-resonant; however, various damping and resonance control accessories may be used to yield greater audio performance in some audio systems.

The CONTINUUM S2 has been designed to operate at the highest level of efficiency and performance in any normal operating situation; however, there are a few important use and care principles that must be kept in mind when operating the integrated amplifier:

- Do not expose the integrated amplifier to rain, moisture, or excessively damp conditions.
- Due to auto-ranging circuitry and dual-stage voltage regulation, the audio performance will not be affected by any voltage fluctuations within the operating voltage range. The CONTINUUM S2 can be operated at any mains voltage over the range of 85 to 265 VAC without any adjustments necessary.
- The CONTINUUM S2 must not be modified in any way, other than according to official service bulletins from Jeff Rowland Design Group. Otherwise, the factory warranty will be immediately voided.
- Be sure the integrated amplifier is muted (red front panel indicator light on) before connecting or disconnecting any interconnect cables.
- When operating the CONTINUUM S2, a properly grounded AC receptacle should be used. A potential shock hazard may result if the supplied 3-wire, grounded AC cable

ground terminal is defeated or lifted or the unit is connected to a 2-wire ungrounded AC outlet.

- The CONTINUUM S2 is designed to perform optimally with no adjustments or maintenance for the lifetime of the product. Do not attempt to open the bottom cover of the integrated amplifier and refer all service issues to qualified personnel. The voltages inside the CONTINUUM S2 can be hazardous.
- Because of the energy efficiency of the CONTINUUM S2, there is no need to unplug the unit when not in use; however, the integrated amplifier can be muted if desired.

FRONT PANEL FUNCTIONS

Before attempting any system interconnection, please familiarize yourself with the front panel controls and indicators of the CONTINUUM S2. The descriptions refer to the illustration below:



- (1) **INPUT SELECTOR BUTTONS:** Pressing these buttons selects an input source (CD, tuner, phono, etc.) connected to the associated rear panel inputs (see Rear Panel Signal Connections on page 15). To select a desired input, press the corresponding Input Selector Button. When an input is activated, the small, green Input Indicator below the **INPUT SELECTOR BUTTON** will illuminate.
- (2) **BYPASS MODE:** The **BYPASS MODE** allows the CONTINUUM S2 to be installed in a home theater or surround sound system. Pressing this button will allow a multi-channel processor to bypass the integrated amplifier functions of the CONTINUUM S2, with the volume controlled only by the external processor. The indicator light below the **BYPASS** button will illuminate yellow to show that the Bypass function is active.

NOTE: Input 5 can be switched between **BYPASS MODE** and **NON-BYPASS MODE** following the instructions on page 19. Non Bypass Mode allows Input 5 to be utilized as a regular input subject to default integrated amplifier functions.

NOTE: Do not connect a source component to the **BYPASS** inputs if it does not have its own volume control. The volume control of the CONTINUUM S2 is inactive when **BYPASS MODE** is selected.

- (3) **PHASE:** Pressing this button will invert the phase of both channels of the selected input and illuminate the yellow indicator light below the **PHASE** button. Pressing this button again will turn off the light and return the phase to uninverted polarity.

- (4) **MUTE MODE:** Pressing the **MUTE** button will mute the speaker and line outputs of the CONTINUUM S2 and illuminate the red indicator light below the **MUTE** button. Pressing this button again will turn off the light and restore the output of the integrated amplifier to the previous volume setting. To avoid spurious noises and possible damage to other system components, the integrated amplifier should be muted when connecting or disconnecting any rear panel connections.
- (5) **VOLUME DISPLAY:** This display shows the current volume of the selected input numerically, from 00.0 to 99.5, in 0.5 dB increments. If desired, the volume display can be configured to turn off 5 seconds after receiving any command from the front panel or the Remote Transmitter. Please contact your dealer about this function. The volume display also contains the infrared (IR) receiver for receiving remote commands.
- (6) **VOLUME CONTROL:** Rotation of the volume control knob clockwise will increase the output level of the CONTINUUM S2. Rotation of the knob counter-clockwise will decrease the output level. The CONTINUUM S2 features a dual-range volume control system: rotating the volume knob slowly will cause the volume to increase or decrease in small, precise steps. Rotating the knob abruptly will result in large, immediate changes to the output level.

NOTE: When the volume control is set to 85.5, the integrated amplifier is set for unity (0 dB) gain from any input to each RCA/XLR line output.

REAR PANEL CONNECTIONS

The CONTINUUM S2 offers excellent compatibility with associated audio and A/V components. When connecting or disconnecting interconnect cables, the integrated amplifier should be placed in **MUTE MODE** (red **MUTE** indicator LED on the front panel ON).



- (1) **UNBALANCED INPUTS:** If you are using unbalanced RCA interconnects from your source components (CD player, tuner, etc.), they should be connected to unbalanced **INPUTS 1** and **2**. If you have had the optional phono section installed in the CONTINUUM S2, the interconnects from the turntable should be installed into **INPUT 1**. For more information about the phono option, please contact your dealer.
- (2) **BYPASS INPUTS:** If the CONTINUUM S2 is installed in a home theater or sound system, the Left Front and Right Front output connections from the surround processor should be installed in the **BYPASS** input connections. The CONTINUUM S2 will only accept unbalanced RCA interconnects from the surround processor.
- (3) **UNBALANCED LINE OUTPUTS:** The CONTINUUM S2 also has one pair of RCA unbalanced line level outputs. Use these outputs if your amplifier does not accept balanced inputs. Also, these outputs can be used simultaneously with the balanced inputs to feed a second amplifier (subwoofer, etc).

NOTE: Do NOT install RCA “shorting” plugs in the unbalanced line outputs.

(4) **BALANCED INPUTS:** If you are using balanced XLR interconnects from your source components, they should be connected to balanced INPUTS 3 and 4. A slight mechanical click may be heard when the balanced XLR interconnect cables are correctly installed and locked into the rear panel connector. The unlocking tab must be pressed to disconnect the XLR interconnect cable from the integrated amplifier. The XLR inputs may be left open if unused. Any XLR input can be converted to an RCA input by installing an XLR to RCA adapter, available from your JRDG dealer.

NOTE: Pin 2 of each XLR connector is signal positive with respect to each RCA input. Also, Jeff Rowland Design Group recommends balanced cables as the preferred method of interconnection.

(5) **BALANCED LINE OUTPUTS:** The CONTINUUM S2 also has one pair of RCA unbalanced line level outputs.

(6) **LOUDSPEAKER OUTPUTS:** Unscrew the knob that secures the speaker output connectors on both the SPEAKER OUTPUT A and the SPEAKER OUTPUT B and pull the securing block out far enough to allow access to the binding posts. Install the positive (usually red) loudspeaker cable spade terminal to the positive (+) binding post and the negative (usually black) spade terminal to the negative (-) binding post. Secure the loudspeaker connections by tightening the knob securely with your fingers.

(7) **REMOTE ON/OFF:** A 1/8" (3.5 mm) mini-plug connector is provided on the rear panel of the CONTINUUM S2 for remotely switching the amplifier between Operational and Standby modes. When connected to another component with the proper circuitry, the amplifier Standby mode can be turned ON and OFF remotely. When the CONTINUUM S2 Standby mode is activated, the power amplification section will be inactive and the line output jacks can be used to drive an external headphone amplifier for using headphones. All front panel functions and in/out jacks remain active.

(8) **GROUND LUG THUMBSCREW:** This connection is reserved for units with the optional phono section installed. When connecting a turntable, the ground or earth lead should be connected to the **GROUND LUG THUMBSCREW** to eliminate any ground noise in the system.

(9) **AC MAINS INPUT CONNECTOR:** Install the AC Power Cable into the AC input connector between the amplifier and your AC mains outlet.

(10) **INTEGRATED HANDLE:** Use for safe transport of unit.

POWER CONDITIONING: AC power conditioners and custom AC mains power cables are a common accessory in many high performance audio and video systems and can be used to improve the quality of music reproduction in certain instances. We have supplied the best possible basic power cord with the CONTINUUM S2; however, many users may wish to use

aftermarket AC power cords available from many cable manufacturers. Please use your dealer's help and knowledge as a resource to select the proper accessories for your individual system needs.

NOTE: Due to the exceptionally low power consumption rating of the CONTINUUM S2, it is recommended that it not be disconnected from AC mains unless it is to be moved or reinstalled in another location. It is recommended that the unit simply be left on when not in use.

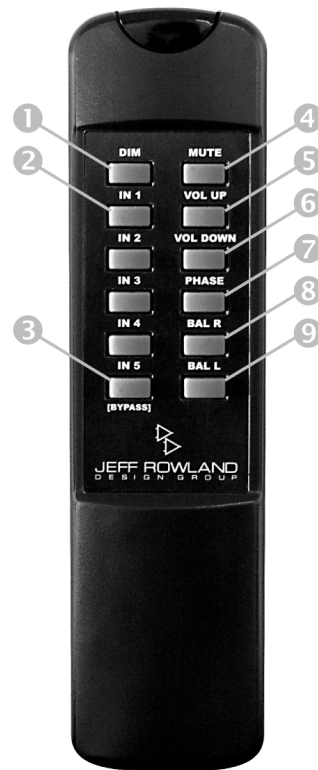
WARNING: Serious damage to internal circuitry can occur if improperly wired or unapproved AC power cords are used. Your dealer can be a helpful resource for selecting the proper accessories based on your needs.

REMOTE TRANSMITTER OPERATION

The CONTINUUM S2 is equipped with a wireless, infrared (IR) remote transmitter, allowing convenient wireless control of the most commonly used functions from the listening position. An explanation of these functions and battery installation follows.

NOTE: Housing the integrated amplifier in extremely high ambient light conditions may cause erratic remote control operation. The IR sensor, located within the volume level display, must not be exposed to direct sunlight or spotlights.

- (1) **DISPLAY DIM:** Press once to dim display one level of brightness. Press again to resume default level of brightness.
- (2) **INPUT SELECT 1-4:** The **IN 1**, **IN 2**, **IN 3**, and **IN 4** buttons will select the desired input. The input number corresponding to the numbering of the inputs on the rear panel.
- (3) **INPUT SELECT 5 BYPASS:** The **IN 5** button will select the BYPASS input.
- (4) **MUTE:** This button will immediately mute the outputs of the integrated amplifier. The volume display will continue to show the present location of the volume control. Pressing this button a second time will reactivate the outputs of the integrated amplifier.
- (5) **VOL UP:** The **VOL UP** button will increase the output level of the integrated amplifier in 0.5 dB increments. Holding this button down will cause the volume level to continuously increase until the button is released or until 99.5 is displayed on the volume display.
- (6) **VOL DOWN:** The **VOL DOWN** button will decrease the output level of the integrated amplifier in 0.5 dB increments. Holding this button down will cause the volume level to continuously decrease until the button is released or until 00.0 is displayed on the volume display.
- (7) **PHASE:** Press once to invert absolute phase. **PHASE** LED on front panel will light. Press again to return integrated amplifier to non-inverted absolute phase. **PHASE** LED on front panel will turn off.



(8) **BAL L:** This button will shift the output of the integrated amplifier towards the left channel. Each press of the button will increase the output of left channel by 0.5 dB and decrease the level of the right channel by 0.5 dB. A total shift of 6 dB is possible. The balance control is not continuous; holding the button down will not continue to shift the balance. The button must be repeatedly pressed to continue to activate the balance shift towards the left channel.

(9) **BAL R:** This button will shift the output of the integrated amplifier towards the right channel. Each press of the button will increase the output of right channel by 0.5 dB and decrease the level of the left channel by 0.5 dB. A total shift of 6 dB is possible. The balance control is not continuous; holding the button down will not continue to shift the balance. The button must be repeatedly pressed to continue to activate the balance shift towards the right channel.

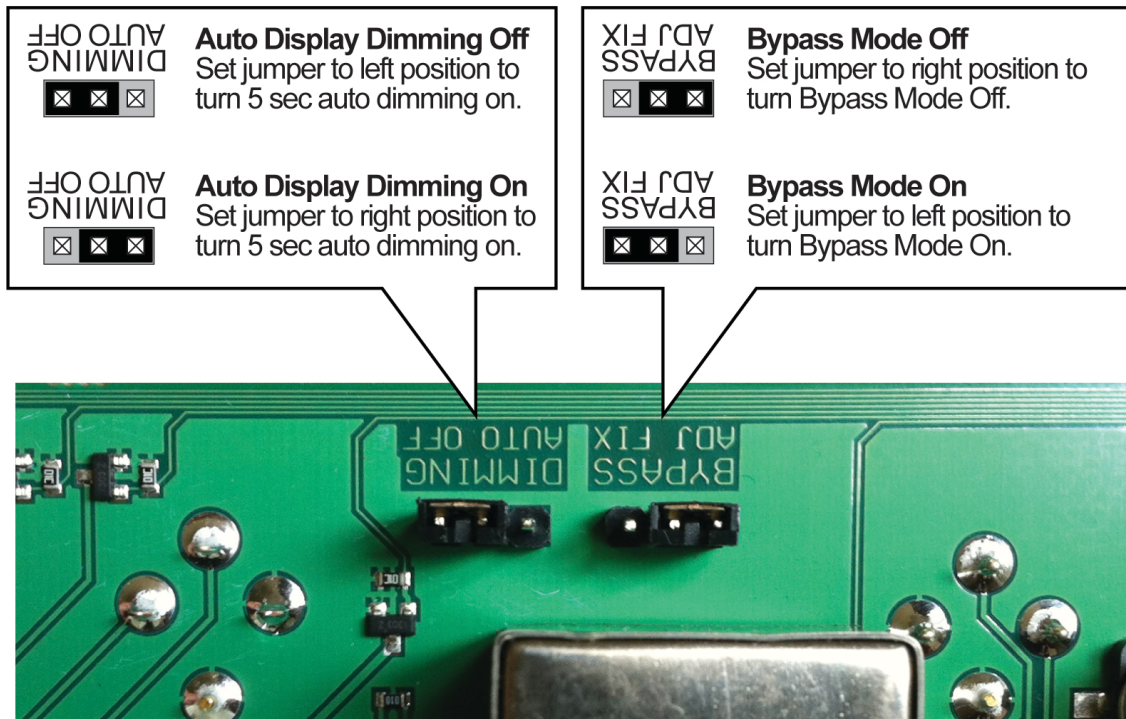
BATTERY REPLACEMENT: When the remote begins to become weak or will not function, it is likely necessary to replace the battery. The old batteries can be removed from the battery compartment and new batteries installed. Two standard alkaline batteries, size AAA, are required.

OPTIONAL ADJUSTMENTS

WARNING: The instructions in this section are meant for qualified Jeff Rowland Design Group service personnel only; however, if you as an end user choose to attempt these adjustments yourself, Jeff Rowland Design Group cannot be held liable for any damage that may occur to your CONTINUUM S2 because of your actions. Further, accessing the interior of your CONTINUUM S2 by removing the bottom Cover can expose you to dangerous, potentially lethal electrical voltages. Thus, Jeff Rowland Design Group cannot be held liable for any injury you may sustain should you undertake any of these adjustments yourself.

DISPLAY DIMMING AND BYPASS MODE ADJUSTMENTS

Unplug the CONTINUUM S2 power cable from the wall AC outlet. Place the unit upside-down on a soft, clean surface. Using a 5/64" hex wrench, remove the nine screws that secure the bottom cover of the unit. Locate jumper position (see figure below). For **DISPLAY DIMMING** move jumper between pins 1 and 2 (off) to pins 2 and 3 (on). For **BYPASS MODE** move jumper between pins 2 and 3 (on) and 1 and 2 (off). Using a 5/64" hex wrench reinstall the nine screws that secure the bottom cover.



SPECIFICATIONS

Output Power	400 watts @ 8 ohms/ 800 watts @ 4 ohms
Frequency Response	5 Hz – 70 kHz, -3 dB @ 8 ohms
Input Impedance	40k ohms
Intermodulation Distortion (CCIF)	0.0008%, 18/19 kHz, 10 watts, 8 ohms
Output Noise	< 75 μ v, 20 Hz – 20 kHz, unweighted
Crosstalk	> 91 dB @ 1 kHz, 74 dB @ 20 kHz
THD + Noise	0.004% @ 1 kHz, 8 ohms
Damping Factor	> 1000
Overall Gain / Bal. or Unbal.	26 dB, volume control set to 85.5
Common Mode Rejection Ratio	> 90 dB, 20 Hz – 20 kHz
Absolute Phase Non-inverting	Pin 2 Positive
Inputs	2 pair balanced (XLR), 2 pair unbalanced (RCA) 1 pair unbalanced bypass (RCA)
Outputs	1 pair balanced (XLR), 1 pair unbalanced (RCA)
Integrated Amplifier Weight	35 lb / 15.9 kg
Integrated Amplifier Dimensions (h/w/d)	5.3" x 15.5" x 15.0" / 135mm x 394mm x 380mm