

Custom Reverb 36

Owners Manual



Olsson
GUITAR TUBE AMPLIFIERS

Olsson Amplifiers 2013 – www.olssonamps.se

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 this manual carefully before switching on your amplifier. 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 **VOLTAGE** on the rear panel of this product.
- Vacuum tube amplifiers generate heat. Maintain at least 25 cm of unobstructed air space behind the unit to allow for proper ventilation and cooling of the unit. Keep away from curtains or any flammable objects.
- **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 to power.
- Never touch a hot vacuum tube.
- This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- Protect the power supply cord from being pinched or abraded.
- Never operate the amplifier without a connected speaker or load since this can cause severe damage to the amplifier.
- 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 or splash liquids, nor place liquid filled containers on the unit.
- **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- Olsson amplifier 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.

SVENSKA

Viktiga säkerhetsinstruktioner



Den här symbolen varnar användaren för farliga spänningar inuti apparaten.



Den här symbolen uppmanar användaren att läsa all säkerhetsinformation som levererats med apparaten.

- Läs denna handbok noggrant innan du slår på förstärkaren. Följ alla varningsanvisningar.
- Apparaten måste anslutas till jordat nätuttag med den spänning och frekvens som anges vid VOLTAGE på baksidan av produkten.
- Rörförstärkare avger värme. Se till att det finns minst 25 cm fritt utrymme bakom förstärkaren, detta för att säkerställa en ordentlig ventilation och kylning av enheten. Håll apparaten borta från gardiner och annat brandfarligt material.
- **WARNING:** För att undvika skada, eldsvåda eller elektrisk chock, utsätt inte apparaten för regn eller fukt.
- Dra ur nätsladden från vägguttaget innan du rengör utsidan av apparaten (använd endast en fuktig trasa). Vänta sedan till apparaten torkat helt innan du ansluter nätsladden igen.
- Ta aldrig på ett varmt elektronrör.
- Produkten skall hållas på ordentligt avstånd från värmekällor såsom radiatorer, varmluftsutblås eller andra apparater som alstrar värme.
- Skydda nätsladden från att bli klämd eller skadad.
- Använd aldrig förstärkaren utan ansluten högtalare eller motsvarande last då detta kan orsaka allvarlig skada på förstärkaren.
- Nätsladden skall dras ur nätuttaget när förstärkaren inte kommer att användas under en lång tid eller vid åskväder.
- Denna produkt skall ses över av kvalificerad servicepersonal när: nätsladden eller nätkontakten har skadats; eller om föremål har ramlat över den; eller om vätska har spillts över produkten; eller om produkten utsatts för regn; eller om produkten inte verkar fungera normalt eller att prestandan skiljer sig från det normala; eller om produkten tappats eller om höljet skadats.
- Droppa eller stänk inte vätska på apparaten. Ställ heller inga föremål som innehåller vatten på den.
- **VARSAMHET:** Inga delar inuti apparaten kan repareras av användaren, anlita kvalificerad servicepersonal.
- Förstärkare och högtalarsystem från Olsson Amps kan producera höga ljudnivåer som kan orsaka temporära eller permanenta hörselskador. Var försiktig vid inställning och justering av ljudvolymen.

Custom Reverb Amp

Custom Reverb 18 is an all-tube hand-wired amp built to meet all modern requirements. The amp has dual channels and is designed to be loved by both single coil and humbucker players. The two channels have different voicing and can either be selected by the footswitch, or by using the channel selector at the front panel. Due to the well balanced tone, you don't need anything but a tone control to tune in the sound you like. It's an awesome tone machine with a warm and rich tone. The lower settings of the volume control result in harmonically rich, clean tones, perfect for jazz, rock, blues and country music. When cranked, the amp will inspire you with fat, compressed, wildly distorted tones. It also records easily thanks to the natural compression. All components used are carefully selected and of highest quality for best sound experience.

Thank you for buying this amp. We are confident that you will be satisfied with your choice!

Enjoy!

Features include:

- Hand-wired all tube circuitry on turret board.
- Old school circuit for sweet warm tone produces around 18 Watts.
- Two channels with individual volume controls.
- Well balanced spring reverb
- Tube rectifier helps provide natural compression.
- Finger joined solid pine cabinet resonates with a warm tone.
- Foot pedal included

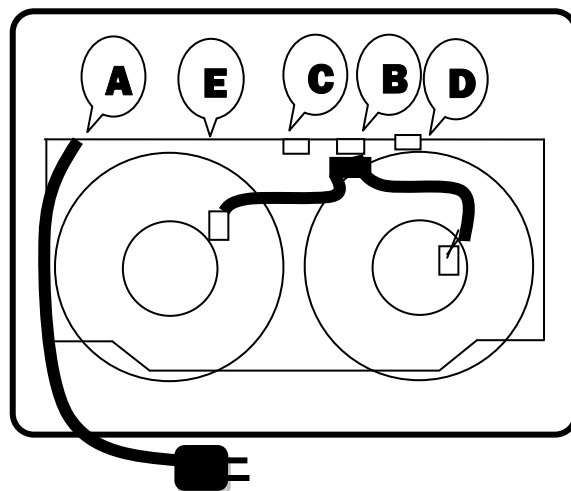
Getting started

1. Connect the amplifier to a grounded A/C outlet in accordance with the voltage and frequency ratings specified for your amplifier.
2. Make sure that the internal speaker is connected to the leftmost speaker jack. Never operate the amplifier without a speaker connected. Make sure the impedance matching is correct. This amp is designed for a 4, 8 or 16Ω load depending on impedance switch setting.
3. Make sure the "Standby" switch is OFF
4. Set the "Power" switch to position ON.
5. Wait for at least 60 seconds to allow the filaments to heat up.
6. Make sure that the volume controls are set to 1.
7. Switch the "Standby" switch to ON.

The amplifier is now ready for use.
Connect your instrument to the INPUT jack.

Rear panel

- A. **ELECTRIC LINE CORD, MAIN FUSE** – Connect to a grounded A/C outlet in accordance with the voltage and frequency ratings specified for your amplifier. The main fuse is an integrated part of the power jack. **Replace only with T1A (1A slow blow) fuse.**
- B. **INTERNAL SPEAKER JACK 1,2**– Plug-in connectors for the internal speaker. A speaker must always be connected to this jack when the amplifier is turned ON. A speaker impedance load of 4 or 8Ω (depending on impedance switch setting) should be used to avoid damage to the amplifier.
- C. **OUTPUT IMPEDANCE SWITCH** – With this switch you can select the output impedance to match the connected speaker(s) impedance.
1x12" –select 8ohm for the internal speaker
2x12" select 4ohm for the internal speakers
- D. **FOOTSWITCH JACK** – Connect the footswitch to this jack and make sure that Channel 2 is selected at the front panel switch.
- E. **36/18 WATT SELECTOR** – The 36/18 watt selector is placed at the front side of the chassis. You can't see it from the rear of the amp but if you take a look through the top ventilation you can see the toggle switch just below the blue capacitor. When placed to the middle of the amp you have 36W selected. See the sticker inside the amp.



Vacuum Tubes

Replace tubes only with the same type and ratings as specified.
Be sure to use matched power tubes (EL84). You don't need to adjust any BIAS when replacing power tubes.

Tube locations from left to right at rear:

G	E	E	E	E	1	1	1	1
Z	L	L	L	L	2	2	2	2
3	8	8	8	8	A	A	A	A
4	4	4	4	4	X	T	X	X
		7	7	7	7	7	7	7

Control panel



- F. POWER SWITCH** – Turns the amplifier on-off as indicated by the jewel unit.
- G. STANDBY** – When the amplifier is on, Standby will mute all audio output from the amplifier.
Use Standby during short breaks to avoid the tube warm up delay.
Select Standby for the first 60 seconds when switching the amplifier ON to extend tube life.
- H. JEWEL UNIT** – Indicating power on
- I. REVERB** – Sets the amount of reverb
- J. TONE 2** – Adjusts the tone characteristics of the amplifier for channel 2
- K. VOLUME 2** – Adjusts the volume of channel 2. Channel 2 is the brightest channel.
- L. TONE 1** – Adjusts the tone characteristics of the amplifier for channel 1
- M. VOLUME 1** – Adjusts the volume of channel 1. Channel 1 is a darker channel.
- N. CHANNEL SWITCH** – Selects input channel. Select channel 2 when using the footswitch.
- O. INSTRUMENT INPUT** – Input jack for your guitar.
- P. DEEP CUT** – Decreases the low frequencies.

Specifications

Type:	CUR362 2x12"
Pre amp tubes:	3 x ECC83/12AX7, 1 x 12AT7
Power amp tubes:	4 x EL84
Rectifier tube:	1 x GZ34
Input impedance:	1M Ω
Output power:	36/18 Watt into 8 Ω at 5% THD , 1kHz
Output impedance:	4 or 8 ohm
Power requirement:	150 Watt
Speaker:	CUR362 – Celestion Creamback
Dimensions (W*D*H):	CUR362 230(l)x715(b)x540(h) mm
Weight:	CUR 362 -29kg
Operating temperature:	0-35 °C

Product specifications are subject to change without notice



CE - **NOTE:** This equipment has been tested and found to comply with the requirements of the EMC directive (Environments E1, E2 and E3 EN 55103-1/2) and the Low Voltage Directive in the E.U

**A PRODUCT OF:
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