

Elmuwood

GUITAR AMPLIFIERS



B O N N E V I L L E 5 0

Owner's Manual

CONTENT

Content

Welcome	3
Precautions	4
Introduction	5
Getting started	6
Channel 1	7
Channel 2	7
Boost	8
Channel toggle switch	9
Master Volumes	9
Back panel	10
Specifications	12
Contact	13

WELCOME

Congratulations

to your purchase of this Elmwood Bonneville 50 Watt Combo.

The 50 watt tube amp will give you an awesome quality and response, no matter if you are into jazz, blues or hard rock.

With the special Boost function on both channels you can go from a nice clean sound, to dirty blues sound, to crunchy rhythm sound, to heavy lead sound, just by controlling the footswitch.

PRECAUTIONS & WARNINGS

PRECAUTIONS & WARNINGS



Always follow the safety instructions listed here and use common sense.

- Read this manual carefully before switching on your amplifier.
- Do not try to open the amplifier chassis – there are no serviceable parts.
- Vacuum tube amplifiers generate heat. Insure proper ventilation. Keep away from curtains or any flammable objects.
- Do not expose the amplifier to rain, moisture, or any kind of water or liquids. Never use the amplifier in wet condition.
- Do not block ventilation openings on the rear of the amplifier.
- Never operate the amplifier without a connected speaker or load since this can cause severe damage to the amplifier.
- Always insure that amplifier is properly grounded.
- Always unplug power cord before changing fuses or any tubes. When replacing fuse, use only same type and rating. Avoid direct contact with heated tubes.
- Keep children away from the amplifier.
- Be sure to always connect an AC power supply that corresponds to the amplifiers power supply specification / setup.
- Always turn off the power of all related equipment before making any connections.
- Make sure that you are using a correct speaker cable for the speaker outputs. Low signal cables, such as regular guitar cables, might seriously damage the output stage of the amplifier.
- Always remove power plug from the wall socket if there is any risk of lightning occurring nearby or if not used for longer periods.
- Always treat your amplifier with caution and never use excessive force.
- Never use solvents for cleaning. Wipe of the exterior with a soft cloth.
- Your amplifier can create high sound volumes. Do not exposure yourself to high sound volumes that may cause permanent hearing damage.

About Elmwood Amps

Elmwood Amps was founded in 1998 in Sweden. The goal was to build guitar tube amplifiers with the most outstanding sound and functionality available. The Elmwood staff, and everyone who has ever tried an Elmwood are of the opinion that Elmwood has succeeded.

From the beginning, the goal was to take the best parts of historical tube amplifiers while critically questioning the original ideas - making them better - re-inventing the great potential of tube characteristics to create a sound that would stun the world - the Elmwood sound.

The Elmwood amps are built to last. Only parts of highest possible quality are used and each Elmwood product is carefully tested and approved before shipping.

An Elmwood amp is an amazing extension of the performing guitarist's heart and soul, providing the most genuine and expressive tones imaginable. Elmwood users all over the world give testimonials of the fantastic response, versatility and tone of their Elmwood amps.

The amps are designed with a special attention to live performance versatility - giving endless possibilities of shaping your sound with your guitar volume, tone settings, picking technique, string handling, EQ settings and channel switching.

An Elmwood will be your best companion no matter what your style of playing - from soft whispers to hard punches - from lush clean to screaming high gain - from heaven to hell - always interacting with your deepest musical intentions.

We are always glad to get to know our existing and future users - to get your feedback and to give you the best service possible.

The Elmwood team

GETTING STARTED

Getting started

1. Connect the amplifier to the mains.
2. Make sure the internal speaker(s) is connected to the *8 ohm jack socket* .
If use with internal and/or external speaker cabinets, make sure the impedance matching is correct - Ohms law: 2x8 ohms speakers equals 4 ohms and 2x16 ohms speakers equals 8 ohms.

Note: *Never operate the amplifier without a connected speaker since this can cause severe damage to the amplifier.*



3. Connect the footswitch's plug marked 1 to jack socket 1 and the plug marked 2 to the jack socket 2 on the back panel of the amplifier.
4. Set the switch marked " Power" to position ON.
5. Allow the amplifier to build up filament and bias voltages for approximately 30 seconds.
6. Before switching the "Standby" switch to position check that Master 1 and Master 2 are set fully counter clock wise.
7. Switch the "Standby" switch to position ON.

The amplifier is now ready for use.

Plug in your guitar in the Input jack socket.

LET'S MAKE SOME SOUNDS

Channel 1

With the footswitch engaged, press the Master 1 switch on the footswitch to make the Led light up.

The channel switch on the footswitch shall be set to Channel 1 - the Led in dark position. Set the controls: Volume, Treble, Middle and Bass - to mid position.

Slowly turn up Master 1.

You should now be able to hear sound coming from the speaker(s).

Channel 1 is designed to be a clean channel as long as the Volume knob not exceeds 12 to 1 o'clock, depending on what kind of guitar plugged in – single coils or humbuckers. After this position, 12 to 1 o'clock, the Volume knob turns into a Gain knob. You will notice that the Volume will not increase much while turning it up, it will only make the sound more distorted. For a cleaner sound -turn the Master 1 up higher and back off the Channel 1's Volume knob.

The EQ section is very effective and you will not have any problem finding your favourite sounds.

Channel 2

To activate Channel 2 you must press the Channel-switch on the footswitch so that the Led lights up.

Channel 2 is designed to be a Crunch / Lead channel.

Set the controls: Gain, Volume, Treble, Middle and Bass to it's mid position. From here you should be able to dial in many different Crunch and Lead sounds by tweaking the Gain and the very effective EQ section.

Turning the Gain knob counter clockwise will decrease the Gain and clean up the sound.

Use the Channel 2's Volume knob to set a good balance between Channel 1 and Channel 2.

LET'S MAKE SOME SOUNDS

Boost

The Boost function is a Gain Boost that operates on both Channel 1 and Channel 2.

To activate the Gain Boost; press the switch marked "Boost" on the footswitch so that the Led lights up. The toggle switch "Boost" on the front panel should be set to position "OFF" . This is the footswitch operation mode for the Boost function. "

When playing on Channel1 at a clean sound you can add a little distortion by activating the Boost function. If playing with more distortion on Channel 1 - the Volume knob adjusted beyond 12 to 1 o'clock - you can go from Blues Rhythm to Blues Lead by activating the Boost function.

Even with the Boost activated the amplifier will restore its touch sensitivity and dynamics.

When playing on Channel 2 you can go from crunchy Rhythm to singing Lead by activating the Boost function.

Note: *Since the Boost function is a Gain Boost it will not affect the overall output Volume much.*

The different settings with the Boost toggle switch

The toggle switch marked "Boost" on the front panel of the amplifier is a three way switch.

When set to:

ON: The Boost is activated at all time. This is to be able to activate the Boost without having the Footswitch connected.

OFF: This is the default mode when having the Footswitch connected. You can now switch the Boost on or off by pressing the switch marked Boost on the Footswitch.

Master 1: When set to this position the Boost will automatically be activated when Master 1 is chosen from the Footswitch (More about Master 1 and Master 2 later). Even in this position you can still activate / deactivate the Boost function by pressing the Boost switch on the Footswitch while playing on Master 2 .

Note: *The Boost Led on the Footswitch will not light up when Master 1 is activated .In this mode the Boost might affect the output Volume . Make sure to adjust the Master 1 properly.*

LET'S MAKE SOME SOUNDS

Channel toggle switch

Between Channel 1 and Channel 2, on the front panel of the amplifier, is a toggle switch marked Channel. This switch is to enable Channel switching when the Footswitch is not connected.

The two Master Volumes

The Bonneville 50 is equipped with two Footswitchable Master Volumes. This is to be able to have any sound you are playing in a louder version at any time.

Master 1 is controlling the maximum volume level of the amplifier and is used for setting the lead volume level.

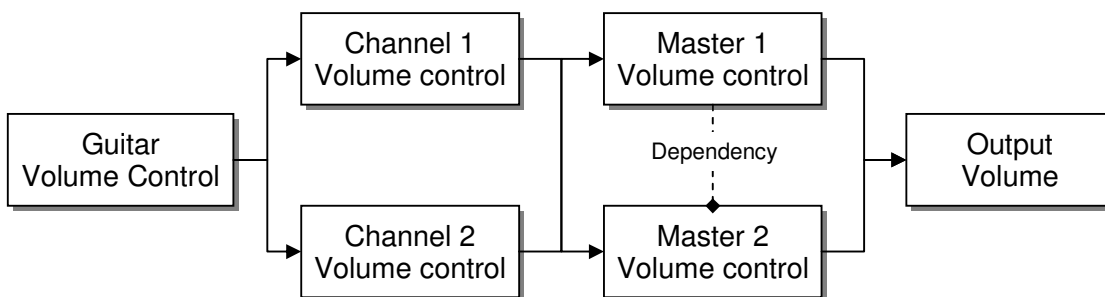
Master 2 is depending of Master 1 and is used for setting the rhythm volume level.

Master volume set up:

- Press the switch marked Master 1 again so that the Led will light up.
- Adjust the Master 1 to what you believe will be the loudest level you will be playing at.
- Press the switch marked Master 1 again so that the Led will go dark.
- Now adjust the Master 2 to rhythm level.

You have now set a relationship between the two Master Volumes.

If you find the overall volume to be too silent or to loud - simply adjust Master 1 volume up or down and the volume level of Master 2 will follow in relation to Master 1.
If you find the difference between the two Master Volumes to mismatch - adjust the relationship with Master 2.



Note : When the Footswitch is not connected , only Master 1 is active.

BACK PANEL

Back panel

On the back panel there are 4 speaker outputs for connecting internal and/or external speakers.

Make sure the internal speaker(s) is connected to the *8 ohm jack socket*.

If use with internal and/or external speaker cabinets, make sure the impedance matching is correct - Ohms law: 2x8 ohms speakers equals 4 ohms and 2x16 ohms speakers equals 8 ohms.

Note: *Never operate the amplifier without a connected speaker since this can cause severe damage to the amplifier.*



There are also three knobs;

Presence

The Presence control is global - it affects both Channels. Adjusting this will add more high mid / treble to the sound.

Reverb

A four spring Accutronics™ Reverb. Adjusting the Reverb knob will add room to the sound. Also global - affects both Channels.

Mix

Mixing control for the F/X loop. When set fully counter clock wise, at the 10% mark, the loop is in parallel mode. Only some of the effects connected in the Send and Return jack sockets are mixed in to the dry signal. The internal signal path in the amplifier is not affected.

Turning the Mix knob more and more clock wise towards the 100% mark will make the F/X loop become more and more serial. When turned fully clock wise the F/X loop is in serial mode.

The signal path in this mode is:

Pre-amplifier > connected Effect unit > Power-amplifier.

The whole internal signal is now going through the connected effect unit. This might colour the sound.

The F/X loop is designed for stomp boxes, -10dB to -20 dB, but will operate with rack units as well. The F/X loop is active on both Channels.

Note: Parallel mode suits time related effects such as Reverb and Delay. Serial mode suits real-time related effects such as Compressor and Equalizer

BACK PANEL

Footswitch jack sockets

Connect the Footswitch to its respective jack socket.

The Footswitch jack sockets can also be operated from a Patch bay /MIDI switcher. This allows to control all the Footswitch's functions through a MIDI operated unit .

Mains input

Connect the amplifier to a earthed mains outlet.

Fuse 1 AT

Replace broken fuse only with the same type - Voltage/Current.

The fuse is a 1 Ampere / 250 Volts slow blow.

SPECIFICATIONS

Specifications

Preamp tubes	4 x ECC83/12AX7WA
Poweramp tubes	2 x EL 34
Poweramp mode	Ultralinear Push-Pull class AB
Output power	45 Watt at 5% THD
Power consumption.	Max 175 Watt
Speaker	Celestion Vintage 30 TM
Dimensions (W*D*H).	58,5x27,5x50 cm
Weight	27 Kg Dimensions
Footswitch (W*D*H)	21x11x5 cm

Specifications are subject to change without notice!

Contact

Contact

Elmwood Amps
Fröstorps 3
457 93 Tanumshede
SWEDEN

Phone: +46 702 229346 or +46 707 472114

Email: info@elmwood.se

Web: www.elmwood.se