

# USERS MANUAL

# Classic SESSION60

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*Classic* LINE

DESIGNED AND DEVELOPED BY EBS SWEDEN AB

✉ GRINDSTUVÄGEN 44-46, SE-167 33 BROMMA, SWEDEN

☎ +46-8-735 00 10, FAX : +46-8-735 00 05

E-MAIL: [ebs.sweden@bass.se](mailto:ebs.sweden@bass.se)

WEB: [www.ebssweden.com](http://www.ebssweden.com)



The **EBS Session60** is a solid-state amplifier combo, extremely easy to dial-in. The Session60 is a downscaled design from the Classic450 head to perform extremely well in all styles and situations. The sound is a combination of vintage bass sound and the transparent 'EBS' sound that let your playing style and the character of your instrument speak. Versatility is provided by a carefully designed EQ with a wide range of possible settings. By using the built in auxiliary input in stereo, you can use this combo for practicing at home with headphones. These brief tutorials will help you to become acquainted with some of the features of the **EBS Session60** combo.

**GETTING STARTED...**

1. Carefully unpack the bass combo.
2. Check that the Volume and Gain controls are set to zero, fully counter clockwise. Set all the other controls to mid position and make sure that the switches marked *Character* and *Enh.Filter* are in their outer position. Now the EBS Session60s' settings are "zeroed" and ready to be personalized.
3. Power up the combo and plug in your bass.
4. While plucking the strings as hard as you would during your hardest playing, adjust the GAIN knob until the PEAK led starts to flash only at highest peaks.
5. Move over to the VOLUME knob and adjust for the desired output volume.

**BUILDING THE SOUND...**

Your **EBS Session60** features an enhanced tone shaping circuit that will enable you to create a variety of bass sounds.

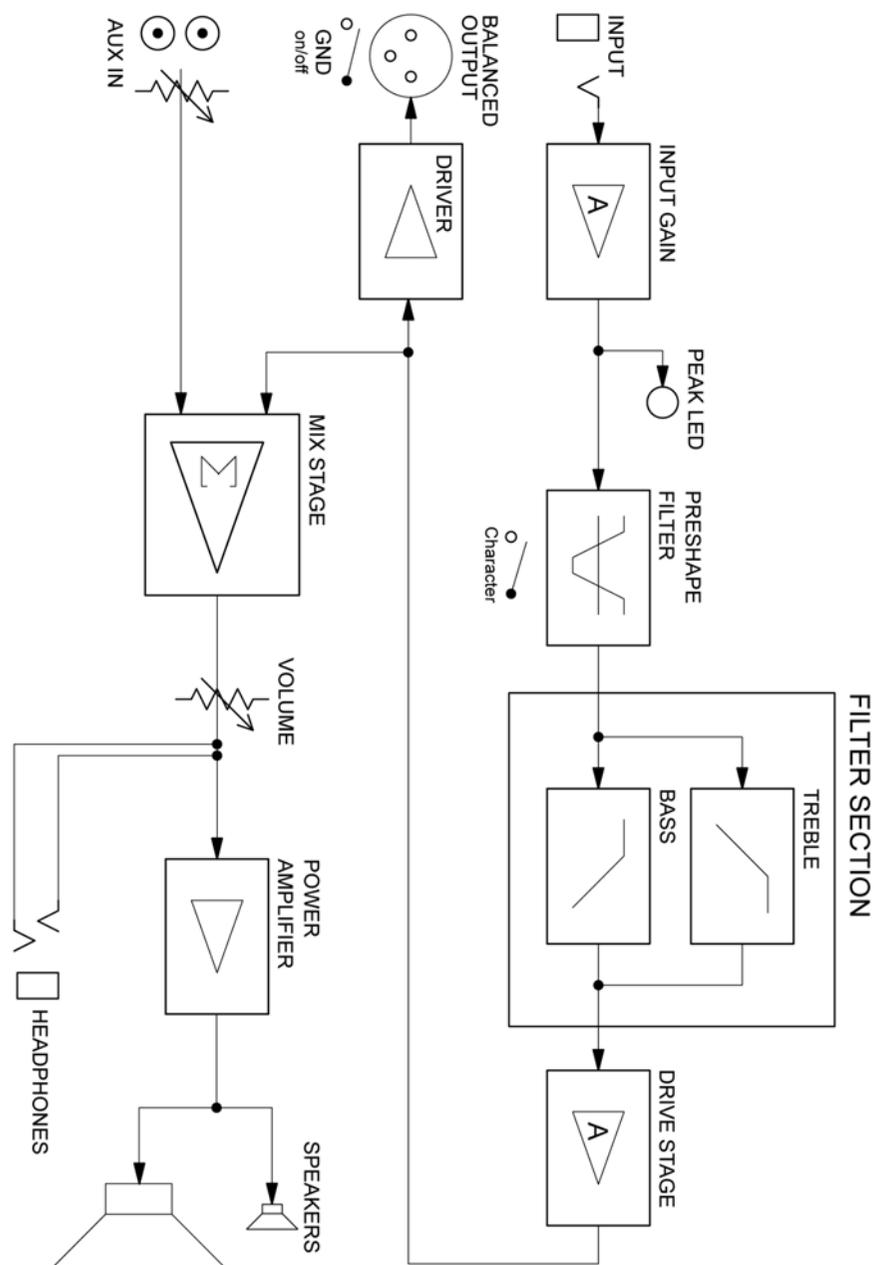
6. The filters are basically the boost/cut design. This means that the level controls marked with + and - signs, either boost or cuts the selected frequency band.
7. Gradually increase or decrease the level and vary the frequency of the various filter sections. Notice how the sound is affected.
8. Repeat as above by trying out the *preshape* filter *Character*.
9. Now, engage the enhanced filter by pressing the switch marked *Enh.Filter*, and check how the sound is effected by turning the Treble knob.
10. If you have a CD player or other sound source, you may connect this to the *Aux In* input and control the amount of volume with the associated knob.
11. For further reference, check out the sample sound setting on the last page of this manual.

This was a brief tutorial of **EBS Session60**. As you go on further in this manual, you will learn how to use and utilize all of the useful features that the **EBS Session60** offers you.

<b>INPUT:</b>	Input Impedance		2 Mohms // 100 pF
<b>GAIN:</b>	Gain Range	min/max	-∞/ +28 dB
	Gain Peak LED		+10 dBv
	Frequency Response	+0 / -3 dB	35 - 20k Hz
<b>CHARACTER:</b>	Filter:	Type	Shelving High/Low Pass
	Gain:		+6 dB @ 75 Hz -2.5 dB @ 800 Hz +3 dB @ 9 kHz
<b>FILTER SECTION:</b>	Bass Filter:	Type	12 dB/oct. Shelving
		Gain	+/- 15 dB @ 100 Hz
	Treble Filter:	Type	Shelving
		Gain Range	+/- 15 dB @ 10 kHz +/- 10dB @800 Hz
<b>AUX INPUT:</b>	Type:		Two RCA jacks (stereo)
	Impedance:		10 kohms unbalanced
	Sensitivity		-10 dBv
	Aux Gain	max	15 dB
<b>BALANCED OUTPUT:</b>	Output Level	nominal	- 10 dBv
	XLR Connections		1-GND, 2-Hot, 3-Cold
	Options		GND Lift
<b>PHONES OUT:</b>	Recommended Impedance		32 - 200 ohms
<b>POWER AMP:</b>	Continuous Output Power		60 W RMS
<b>CABINET:</b>	Impedance		8 ohms
	Frequency Response	+0/-3 dB	60 Hz – 18.000 Hz
	Volume		20 liters
<b>AUXILIARY INFO:</b>	Power Requirements	max	100 W
	Mains Protection:		T1A Fuse (230V) T2A Fuse (100/120V)
	Outer Dimensions (WxHxD):		376 x 395 x 343 mm 14.8 x 15.6 x 13.5"
	Weight:		16 kg ( 36 lbs.)

*Specifications are subject to change without notice!*

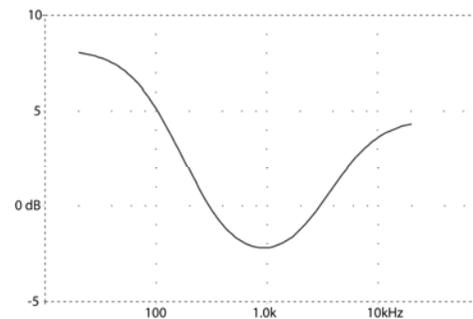
**GOOD LUCK!**



**INPUT** - A low noise, high impedance instrument input for all types of instruments, active and passive.

**CHARACTER** - The Session60 provides a *reshaping* filter, *character*, which operates independently from the filter section. This gives the user the opportunity to preshape the sound before the final processing with the filters.

When pressed to its inner position, a boost is achieved in both the bass and treble ranges, while the midrange is being slightly cut.



**GAIN** - Control to adjust the instruments' signal strength to the right operating level in the Session60.

For optimum basic signal level, turn up the GAIN knob until the PEAK led starts flashing from the strongest signal from the instrument.

*Note: A correctly set GAIN is vital for the signal processing to work properly in the Session60.*

**AUX IN** - The two RCA inputs gives you the option of mixing in an external source such as CD player or similar to the Session60. Set the desired mix level with the associated knob.

If you only have a mono source connect to the input marked *mono*. Both channels will only be monitored when using headphones.

**VOLUME** - The VOLUME knob controls all volume in the unit, controlling the poweramp/speakers and headphones output. The balanced output (XLR) is not effected by the setting of this knob.

**HEADPHONES** - Connect your favorite headphones here. By connecting the headphones the speakers will automatically be muted.

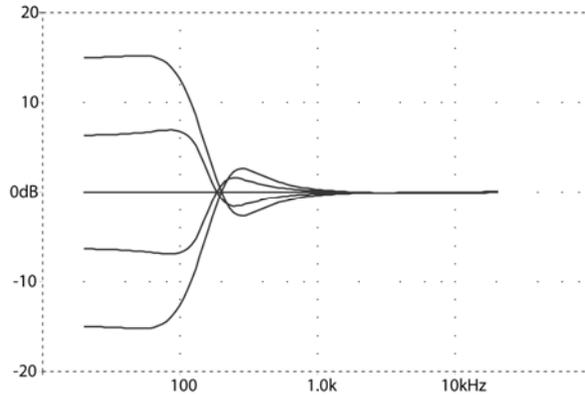
**BALANCED OUTPUT** - Is a high quality balanced output that functions as a line box for connecting to PA mixing consoles or to studio or broadcast recording units.

Lifting ground is a great aid in many occasions. When required, set the *Gnd Lift* switch to inner position to disconnect the ground from the output.

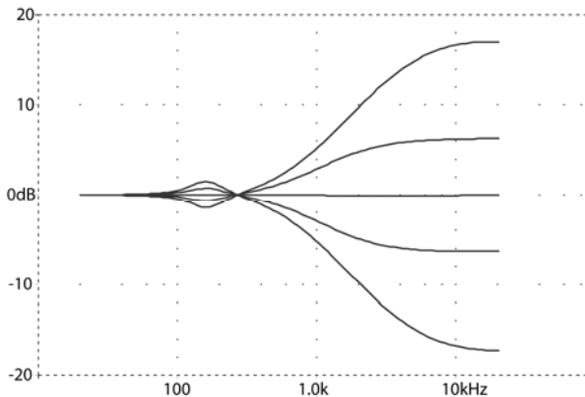
**POWER** - Powers the unit on or off.

**FILTERS** - The filter section contains two versatile filters:

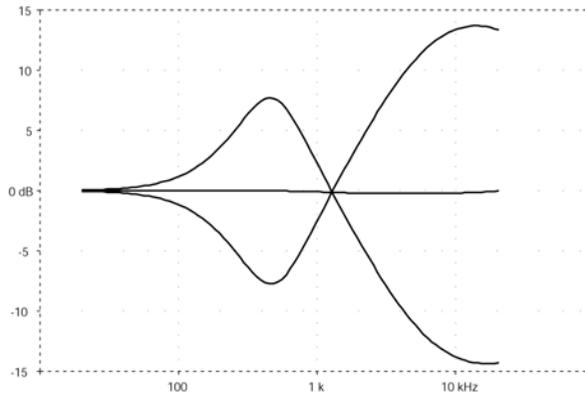
**BASS** is a 'shelving' type 12dB/oct slope phase compensated bass filter with a wide gain range.



**TREBLE** is a 'shelving' type filter controlling the higher mids and treble registers, giving presence and ambiance to the sound.



**ENHANCED FILTER MODE** – The enhanced mode switch allows the Treble control to have effect on the midrange in this filter. When boosting the treble, the middles will be cut and vice versa.



**POWERAMP** - The internal poweramp is of highly integrated design giving natural sound reproduction and output with exceptional clarity.

The incorporated soft clip system provides tube-alike distortion characteristics, protects the power amp from saturation and increases its output performance and sound quality.

**IMPORTANT:** Make sure not to cover the ventilation holes on the rear of the combo.

**CABINET** - The cabinet is formed by one 10" together with a piezo tweeter for fullrange operation. In addition, the cabinet is tuned for extended low frequency response. It is recommended that the combo is set to straight angle for best bass response.



**EBS will not take responsibility for eventual hearing damages caused by the powerful Session60.**

**FRONT PANEL DETAILS:**

