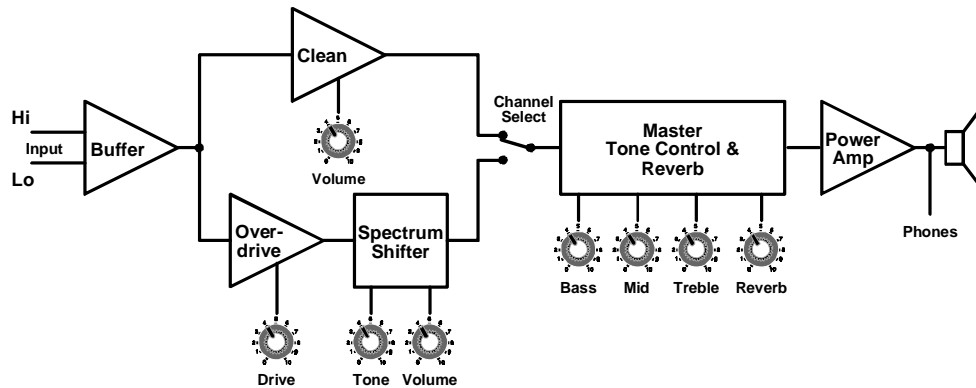


GC-16R Technical Information

Input Impedance	~1M Ω
Bass Control	120Hz +/- 15dB
Mid Control	800Hz +/- 13dB
Treble Control	4kHz +/- 18dB
Shift Control (Overdrive)	1,3kHz~4,5kHz spectrum shifter
Output Power Rating	16 Watt RMS into 8 Ω
Ext. Speaker	Min. 4 Ω load, 16 Watts
Speaker	8 Ω , 8" (22cm) / 30 Watts max.
Max. Power Consumption	25 Watts



CLEANING THE GC-16R:

Wipe it clean with a lint free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

CAUTION:

- 1 Before using the GC-16R read this Owners' Manual thoroughly.
- 2 Do not open the unit! No user serviceable parts inside.
- 3 Refer servicing to qualified service personnel.
- 4 This amplifier is capable of producing high sound pressure levels. Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. Ear protection is recommended if this amplifier is operated at high volume.
- 5 Do not use in dusty, wet or extremely hot environments.
- 6 Contact qualified service personnel immediately if:
 - * The housing is damaged and the unit does not work properly
 - * Small items or liquids of any kind penetrate the unit
 - * in the event of any other problem

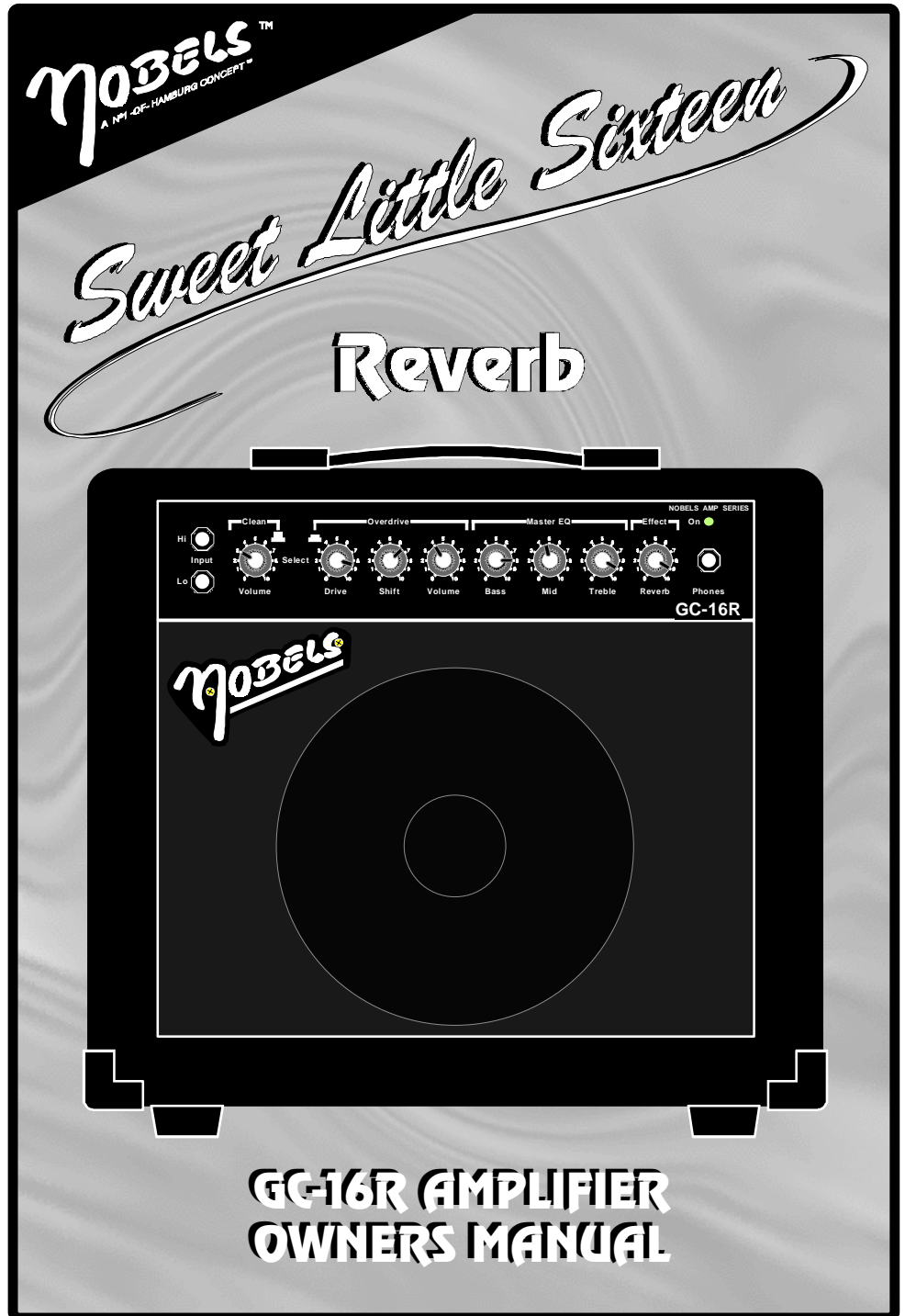
Specifications and information in this manual are subject to change without notice!

Nobels Electronics - Barnerstrasse 42 - 22765 Hamburg - Germany

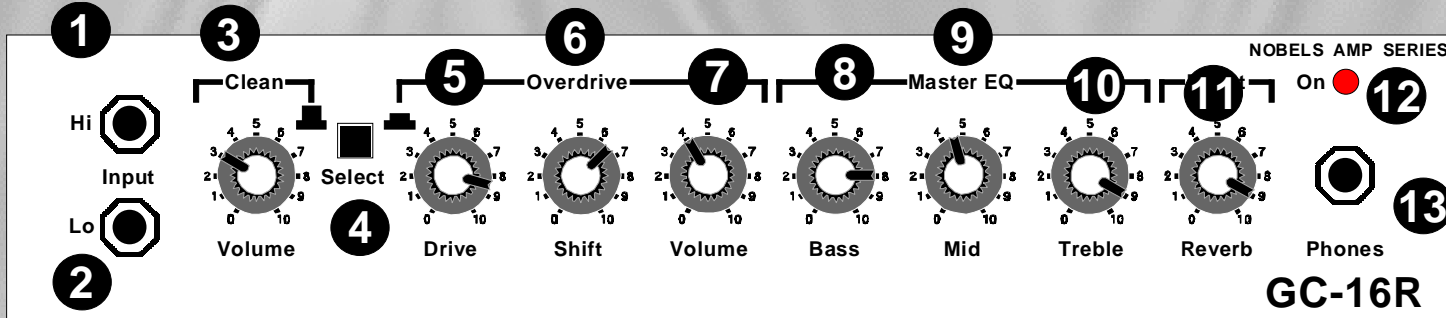
www.nobels.com

Designed in Germany - Made in Korea

1996-08-15 - Author: Kai Tachibana



NOBELS GC-16R AMPLIFIER



(1) HI-INPUT

Connect your guitar either to the HI or LO input. Use the HI input for passive guitars to achieve best gain.

(2) LO-INPUT

The LO input is best for active guitars (built-in preamp).

(3) VOLUME (Clean)

Select the desired volume for your CLEAN sound.

(4) SELECT (Switch)

Switch between CLEAN and OVERDRIVE sound. When the SELECT switch is pressed, the overdrive channel is engaged.

(5) DRIVE CONTROL

This high gain channel gives you sounds from a slight overdrive to a powerful distortion.

(6) SHIFT (Spectrum Shifter)

The SHIFT control is a special designed electronic circuit to select different colours of overdrive.

(7) VOLUME (Overdrive)

This control sets the output level for the overdrive sound.

MASTER EQ:

Tone controls Bass, Mid and Treble work for both channels!

(8) BASS

This control allows a total range of 30dB to boost or cut at a frequency of 120Hz. Due to the high amount of low frequencies, you may decrease it at high volumes.

(9) MID

Set this control to your desired amount of MID frequencies. In center position it is „flat“ (No boost or cut)

(10) TREBLE

Adjust the high frequencies with this control.

(11) REVERB

This control adjusts the output level of the reverbation unit.

(12) POWER LED

This LED indicator lights up when the GC-16R amplifier is switched ON.

(13) PHONES

Insert the plug of your headphones. The built-in speaker will be switched off.

(14) EXT. SPEAKER (On backside)

For external speakers (4-8Ω). Switches the internal speaker off!

(15) POWER (On backside)

This switch is used to turn the GC-16R amplifier ON.

*Have fun playing NOBELS
Your N°1 Design Team!*

Try some sound examples:

	Volume	Bass	Mid	Treble	Reverb
-1 Mellow <i>(small room)</i>					
-2 Ultra <i>(big room)</i>					

	Drive	Shift	Volume	Bass	Mid	Treble	Reverb
-3 Crunch <i>(no room)</i>							
-4 Hardrock <i>(small room)</i>							
-5 Metal <i>(solo)</i>							