

OWNER'S MANUAL

LITTLE MARK 300 BLACK LINE - MB58R COMBOS P SERIES

The MB58R series is a further example of how Markbass is always one step ahead in innovating using state-of-the-art technologies. Once again Marco De Virgiliis with his pioneering soul has managed to create this new series of products which, with the use of custom components born thanks to years of experience and research Markbass and the use of revolutionary materials with an eye to the future and the environment, has really nailed the tone and power versus portability issue.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions;
- 2) Keep these instructions;
- 3) Heed all warnings;
- 4) Follow all instructions;
- 5) Do not use this apparatus near water;
- 6) Clean only with dry cloth;
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions;
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat;
- 9) Do not defeat the safety purpose of the polarized or ground-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet;
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus
- 11) Only use attachments/accessories specified by the manufacturer;
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from the tip-over (and Fig 21 DU Tipping Cart Symbol).
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time;
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped;
- 15) "WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS".
- 16) TO COMPLETELY DISCONNECT THIS APPARATUS FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE;
- 17) THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY ACCESSIBLE.
- 18) In case of voltage selector make sure the switch on the rear panel is on the correct voltage before connecting it to the AC power, and the fuse is the right value for that voltage (This selector is not available on the 100V version). Please change the voltage/fuse values label located near the voltage selector matching the voltage/fuse values when you need to change the voltage of the apparatus.
- 19) "WARNING: THIS APPARATUS MUST BE SECURELY ATTACHED TO THE FLOOR OR WALL IN ACCORDANCE WITH INSTALLATION ISTRUCTION. TIPPING, SHAKING, OR ROCKING THE MACHINE MAY CAUSE INJURY OR DEATH."
- 20) "CAUTION: THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO"



MORE INFORMATION

For warranty and service information, please contact your local Markbass distributor (contact information available at www.markbass.it).
For more technical information, please visit us at www.markbass.it and fill out the form on the Support page.
We hope you enjoy your power amp and use it to make great music!



"The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons."



"The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product."



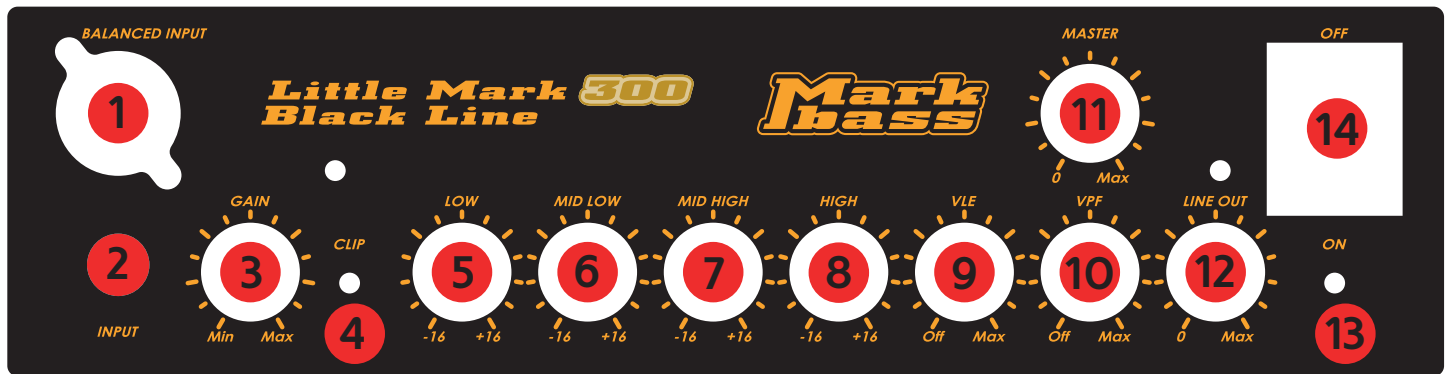
"To be used only with altitude not exceeding 2000 m"



"To be used only where the climate is not tropical"

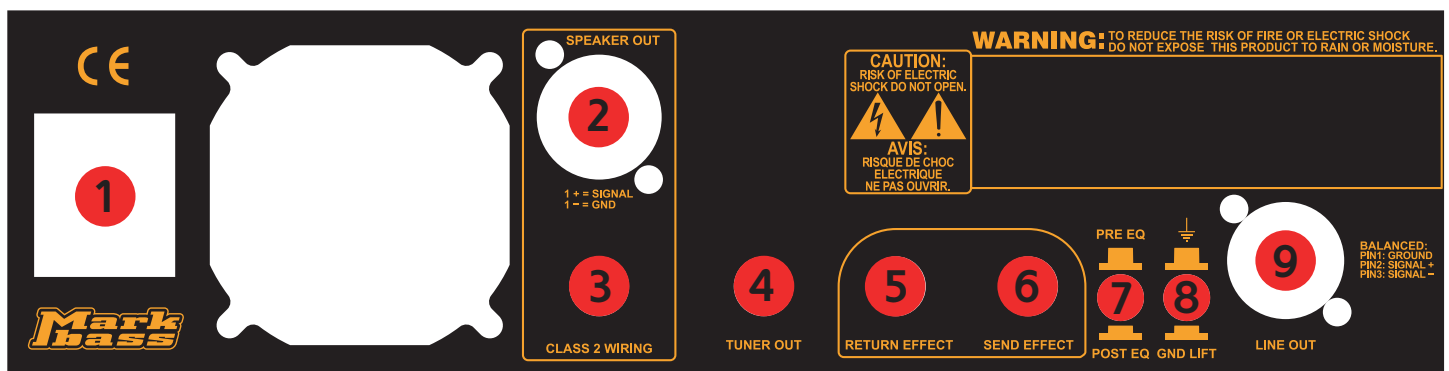


1. FRONT PANEL



1. BALANCED XLR INPUT
2. UNBALANCED 1/4" JACK INPUT
3. GAIN KNOB
4. CLIP LED
5. LOW EQUALIZATION CONTROL KNOB
6. MID LOW EQUALIZATION CONTROL KNOB
7. MID HIGH EQUALIZATION CONTROL KNOB
8. HIGH EQUALIZATION CONTROL KNOB
9. VLE FILTER LEVEL CONTROL KNOB
10. VPF FILTER LEVEL CONTROL KNOB
11. MASTER VOLUME LEVEL KNOB
12. LINE OUT LEVEL KNOB
13. POWER ON LED
14. MAIN ON/OFF SWITCH

2. REAR PANEL



1. AC POWER SOCKET
2. SPEAKER OUT SPEAKON / 1/4" COMBO JACK
3. SPEAKER OUT 1/4" JACK
4. TUNER OUT 1/4" JACK
5. RETURN EFFECT 1/4" JACK
6. SEND EFFECT 1/4" JACK
7. PRE/POST EQUALIZATION CONTROL SWITCH
8. GROUND LIFT CONTROL SWITCH
9. LINE OUT XLR

3. LITTLE MARK 300 BLACK LINE: TECHNICAL DETAILS

INPUTS

INPUT	<i>impedance: 500 Kohm, max. voltage: 15 Vpp</i>
BALANCED	<i>impedance: 100 Kohm, max. voltage: 25 Vpp</i>
RETURN EFFECT	<i>impedance: 33 Kohm, max. voltage: 10 Vpp</i>

CONTROLS

GAIN	<i>–60 dB to +23 dB range</i>
LINE OUT	<i>level control on front panel</i>
PRE/POST EQ (for line out)	<i>switch on rear panel</i>
GROUND LIFT	<i>switch on rear panel</i>
MASTER VOLUME	

EQUALIZATION

LOW	<i>center frequency 40 Hz; level: ±16 dB</i>
MID LOW	<i>center frequency 360 Hz; level: ±16 dB</i>
MID HIGH	<i>center frequency 800 Hz; level: ±16 dB</i>
HIGH	<i>center frequency 10 kHz; level: ±16 dB</i>
VLE	<i>max cut range: 250 Hz – 20 kHz</i>
VPF	<i>center frequency 380 Hz (cut)</i>

OUTPUTS

SEND EFFECTS	<i>unbalanced, max. voltage 20 Vpp</i>
TUNER OUT	<i>unbalanced max. voltage 2 Vpp</i>
LINE OUT	<i>balanced XLR, max. voltage 20 Vpp</i>
SPEAKER OUT	<i>speakon 1/4" combo, 1/4"</i>

OUTPUT POWER	<i>300W RMS @ 4 ohm, 150W RMS @ 8ohm</i>
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POWER REQUIREMENT	<i>100V; 120V; 230V; 240V 50/60Hz (Voltage is factory preset according to region of sale). Markbass amps/combos are manufactured to be sold and used in the country of purchase, and are factory preset to that country's voltage. Due to homologation issues, the voltage may not be changed.</i>
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FUSE

*EUROPE 3.15A 250V T 5x20
AUSTRALIA/UK 3.15A 250V T 5x20
USA/CANADA 6.3A 250V T 5x20
JAPAN 6.3A 250V T 5x20*

4. COMBOS: TECHNICAL DETAILS

COMBO SERIES	MB58R CMD 102 P	MB58R CMD 121 P	MB58R CMD 151 P	MB58R MINI CMD 121 P
SPEAKER	<i>2x10" Markbass classic ceramic</i>	<i>1x12" Markbass classic ceramic</i>	<i>1x15" Markbass classic ceramic</i>	<i>1x12" Markbass classic ceramic</i>
TWEETER	<i>New piezo tweeter</i>	<i>New piezo tweeter</i>	<i>New piezo tweeter</i>	<i>New piezo tweeter</i>
SPEAKER POWER HANDLING	<i>300W RMS (AES Standard)</i>	<i>300W RMS (AES Standard)</i>	<i>300W RMS (AES Standard)</i>	<i>300W RMS (AES Standard)</i>
REFLEX	<i>Rear</i>	<i>Rear</i>	<i>Rear</i>	<i>Rear</i>
IMPEDANCE	<i>8 ohms</i>	<i>8 ohms</i>	<i>8 ohms</i>	<i>8 ohms</i>
CROSSOVER FREQUENCY	<i>3.5 kHz</i>	<i>3.5 kHz</i>	<i>3.5 kHz</i>	<i>3.5 kHz</i>
FREQUENCY RESPONSE	<i>40Hz to 18KHz</i>	<i>45Hz to 18KHz</i>	<i>40Hz to 18KHz</i>	<i>45Hz to 18KHz</i>
SENSITIVITY DB SPL	<i>101 dB</i>	<i>99 dB</i>	<i>100 dB</i>	<i>99 dB</i>
CONTROLS	<i>GAIN 4-BAND EQ VLE – VPF FILTERS, MASTER VOLUME LINE OUT level control PRE/POST EQ e GND switches</i>			
OUTPUT POWER	<i>300W RMS @ 4 ohm 150W RMS @ 8 ohm</i>	<i>300W RMS @ 4 ohm 150W RMS @ 8 ohm</i>	<i>300W RMS @ 4 ohm 150W RMS @ 8 ohm</i>	<i>300W RMS @ 4 ohm 150W RMS @ 8 ohm</i>
DIMENSIONS	<i>17.72"/ 45cm (w) 22.68"/ 57.6cm (h) 18.64"/ 47.1cm (d)</i>	<i>17.72"/ 45cm (w) 22.68"/ 57.6cm (h) 18.64"/ 47.1cm (d)</i>	<i>17.72"/ 45cm (w) 22.68"/ 57.6cm (h) 18.64"/ 47.1cm (d)</i>	<i>15.35"/ 39cm (w) 18.50"/ 47 cm (h) 14.17"/ 36 cm (d)</i>
WEIGHT	<i>35.3 lbs / 16 kg</i>	<i>31.6 lbs / 14.3 kg</i>	<i>32.1 lbs / 14.6 kg</i>	<i>23.1 lbs / 10.5 kg</i>

5. TROUBLESHOOTING TIPS

THERMAL PROTECTION

SYMPTOM	<i>The amp gets hot and shuts down.</i>
PROBABLE CAUSE	<i>The amp is overheated, either as a result of inadequate ventilation or damage cooling system fan. When the amplifier cools down to a safe level, the amp will automatically restart.</i>
SUGGESTIONS	<i>Please verify that the fan is working properly, and that the cooling system ports are not obstructed.</i>

CURRENT PROTECTION

SYMPTOM	<i>The amp turns on, but there is no signal coming from the speaker/s.</i>
PROBABLE CAUSE	<i>Low impedance load (minimum impedance for Markbass amps is 4 ohms), or a bad speaker cable.</i>
SUGGESTIONS	<i>Please verify the impedance of the speaker/s connected to the amp. Note that two 4 ohm cabinets, or an 8 ohm and a 4 ohm cabinet, will result in an impedance below 4 ohms. Please check the speaker cable/s. After checking these two things, please turn the amp off and turn it on again.</i>

If the troubleshooting steps outlined above do not solve your problem, please contact your Markbass distributor/dealer for service information.

For more TROUBLESHOOTING TIPS, please check the FAQ section on the SUPPORT page of our website at www.markbass.it

6. NOTE

Note: product specifications are subject to change without notice



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