

# **Mark bass**

**BASS** at its **BEST**

[www.markbass.it](http://www.markbass.it)

**OWNER'S MANUAL**

**LITTLE MARK III ~ LITTLE MARK 250 ~ LITTLE MARK 800 ~**

**COMBO HEAD II / LITTLE MARK TUBE ~ LITTLE MARK TUBE 800**

## 1. 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) The socket outlet shall be installed near the equipment and shall be easily accessible;
- 17) The power cord must be unplugged prior to servicing.

## 1. PRÉCAUTIONS D'EMPLOI

- 1) Lire ces instructions;
- 2) Conserver ces instructions;
- 3) Suivre tous les conseils d'utilisations;
- 4) Suivre toutes les instructions;
- 5) Ne pas utiliser cet appareil au bord de l'eau;
- 6) Nettoyer uniquement avec un chiffon humide;
- 7) Ne pas bloquer le système de ventilation. Installer conformément aux instructions du fabricant;
- 8) Ne pas installer l'appareil près d'une source de chaleur tel qu'un radiateur, un fourneau, ou bien un autre appareil qui produit de la chaleur;
- 9) Ne pas modifier le système de sécurité de la fiche polarisée ou de de la fiche pour les prises de terre. Une fiche polarisée a deux broches, l'une étant plus distante de l'autre. Une fiche pour prise de terre a deux broches une pointe pour la masse. La broche plus distante et la pointe pour la masse ont été installées pour votre sécurité. Si la fiche fournie de rentre pas dans votre prise de courant consulter un électricien pour la substitution;
- 10) Protéger le cordon d'alimentation afin qu'il ne soit pas piétiné ou écrasé tout particulièrement au niveau des fiches, des prises de courant femelles, et des parties qui sortent de l'appareil;
- 11) Utiliser uniquement les accessoires recommandés par le fabricant;
- 12) Utilisez uniquement avec le chariot, le socle, le trépied, le support ou la table spécifiés par le fabricant ou vendu avec l'appareil. Lorsque vous utilisez un chariot, soyez prudent lorsque vous déplacez l'ensemble chariot / appareil pour éviter toute blessure du renversement (et la figure 21 DU Tipping panier Symbol).
- 13) Ne pas branché l'appareil en cas d'orage accompagné d'éclairs. Le débrancher en cas de non utilisation prolongée;
- 14) S'adresser à un service assistance agréé si l'appareil a subi des dommages, si le cordon d'alimentation ou la fiche a été endommagé, si un liquide a été renversé sur l'appareil ou bien si un objet est tombé dans l'appareil, si ce dernier a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas correctement ou s'il est tombé;
- 15) \*Avertissant: pour réduire le risque du feu ou de décharge électrique, n'exposez pas cet appareil à la pluie ou l'humidité et les objets remplis de liquides; tels que des vases, ne devraient pas être placés sur cet appareil\*;
- 16) La prise de courant doit être installée près de l'appareil et doit être facilement accessible;
- 17) La fiche principale doit être débranchée avant toute opération d'entretien.

## MORE INFORMATION

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



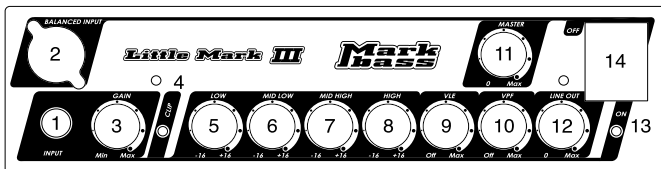
"The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons."



"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."

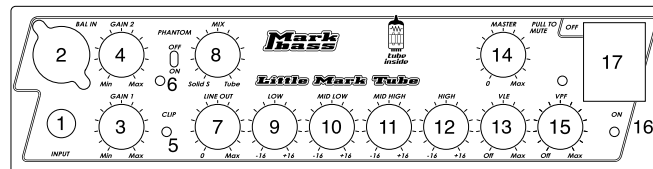


## 2. LITTLE MARK III / LITTLE MARK 250 / LITTLE MARK 800 / COMBO HEAD II FRONT PANEL



- 1 UNBALANCED 1/4" JACK INPUT
- 2 BALANCED XLR INPUT
- 3 SOLID STATE GAIN
- 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

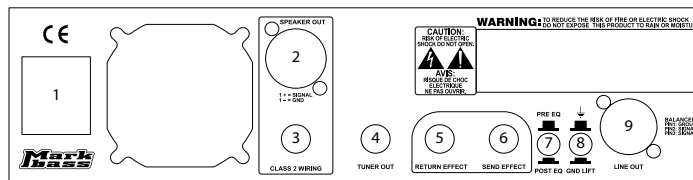
## 3. LITTLE MARK TUBE / LITTLE MARK TUBE 800 FRONT PANEL



- 1 UNBALANCED 1/4" JACK INPUT
- 2 BALANCED COMBO XLR / 1/4" JACK INPUT
- 3 1/4" JACK INPUT GAIN
- 4 COMBO XLR / 1/4" JACK GAIN
- 5 CLIP LED
- 6 PHANTOM POWER 48V ON/OFF SWITCH (ON BALANCED COMBO XLR / 1/4" JACK INPUT)
- 7 LINE OUT LEVEL KNOB
- 8 MIX LEVEL CONTROL KNOB
- 9 LOW EQUALIZATION CONTROL KNOB
- 10 MID LOW EQUALIZATION CONTROL KNOB
- 11 MID HIGH EQUALIZATION CONTROL KNOB
- 12 HIGH EQUALIZATION CONTROL KNOB
- 13 VLE FILTER LEVEL CONTROL KNOB
- 14 MASTER VOLUME LEVEL KNOB (PULL OUT TO MUTE)
- 15 VPF FILTER LEVEL CONTROL KNOB
- 16 POWER ON LED
- 17 MAIN ON/OFF SWITCH

## 4. LITTLE MARK III / LITTLE MARK 250 / LITTLE MARK 800 / COMBO HEAD II / LITTLE MARK TUBE / LITTLE MARK TUBE 800 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



## 5. LITTLE MARK III / LITTLE MARK 250 / LITTLE MARK 800 / COMBO HEAD II TECHNICAL DETAILS

### INPUTS

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

### CONTROLS

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

### EQUALIZATION

LOW	center frequency 40 Hz; level: ±16 dB
MID LOW	center frequency 360 Hz; level: ±16 dB
MID HIGH	center frequency 800 Hz; level: ±16 dB
HIGH	center frequency 10 kHz; level: ±16 dB
VLE (Vintage Loudspeaker Emulator)	max cut range: 250 Hz – 20 kHz
VPF (Variable Pre-shape Filter)	center frequency 380 Hz (cut)

### OUTPUTS

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

### OTHER

HEIGHT	2 rack units (3.16 in. / 80.3 mm)	
WIDTH	10.87 in. / 27.6 cm (19 in. / 48.3 cm with rack ears)	
DEPTH	10.04 in. / 25.5 cm	
WEIGHT	6.39 lbs / 2.9 kg	(LITTLE MARK III)
	6.15 lbs / 2.79 kg	(LITTLE MARK 800)
	5.73 lbs / 2.6 kg	(LITTLE MARK 250)

### OUTPUT POWER

300W RMS @ 8 ohm, 500W RMS @ 4 ohm  
(LITTLE MARK III, COMBO HEAD II)  
450W RMS @ 8 ohm, 750W RMS @ 4 ohm  
(LITTLE MARK 800)  
150W RMS @ 8 ohm, 250W RMS @ 4 ohm  
(LITTLE MARK 250)

### POWER REQUIREMENT

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.

### FUSE

#### LITTLE MARK III, COMBO HEAD II:

EUROPE	4 A 250V T 5x20
AUSTRALIA/UK	4 A 250V T 5x20
USA/CANADA	8 A 250V T 5x20
JAPAN	10 A 250V T 5x20

#### LITTLE MARK 800:

EUROPE	6.3 A 250V T 5x20
AUSTRALIA/UK	6.3 A 250V T 5x20
USA/CANADA	8 A 250V T 5x20
JAPAN	10 A 250V T 5x20

#### LITTLE MARK 250:

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

## 6. COMBOS: TECHNICAL DETAILS

COMBO SERIES	CMD 102P	CMD 103H	MINI CMD 121P	CMD 121H	MINI CMD 151P	CMD 151P JEFF BERLIN	CMD JB PLAYER SCHOOL
<b>SPEAKER SIZE (INCHES)</b>	2X10"	3X10"	1X12"	1X12"	1X15"	1X15"	1X15"
<b>TWEETER</b>	PIEZO TWEETER	1" HF COMP. DRIVER	PIEZO TWEETER	1" HF COMP. DRIVER	PIEZO TWEETER	NONE	NONE
<b>CROSSOVER FREQUENCY</b>	3.5 KHZ	3.5 KHZ	3.5 KHZ	3.5 KHZ	3.5 KHZ	NONE	NONE
<b>CAB POWER HANDLING (AES STANDARD)</b>	400W RMS	600W RMS	400W RMS	400W RMS	400W RMS	400W RMS	250W RMS
<b>FREQUENCY RESPONSE</b>	40HZ TO 18KHZ	40HZ TO 20KHZ	45HZ TO 18KHZ	45HZ TO 20KHZ	40HZ TO 18KHZ	40HZ TO 5KHZ	45HZ TO 5KHZ
<b>CABINET SENSITIVITY (DB SPL)</b>	101	103	99	99	100	100	99
<b>CABINET IMPEDANCE</b>	8 Ω	6 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
<b>REFLEX</b>	FRONT	REAR	REAR	REAR	REAR	REAR	REAR
<b>WEIGHT KG.</b>	20	28.7	13.3	17.9	18.5	21.2	18.5
<b>WEIGHT LBS.</b>	44.09	63.27	29.32	39.46	40.79	46.74	40.79
<b>WIDTH MM.</b>	594	594	390	390	464	464	464
<b>WIDHT INCHES</b>	23.39	23.339	15.35	15.35	18.27	18.27	18.27
<b>HEIGHT MM.</b>	479	699	432	599	464	557	464
<b>HEIGHT INCHES</b>	18.86	27.52	17.01	23.58	18.27	21.93	18.27
<b>DEPTH MM.</b>	475	480	357	464	480	480	480
<b>DEPTH INCHES</b>	18.70	18.90	14.06	18.27	18.90	19.90	18.90
<b>PREAMP</b>	SOLID-STATE	SOLID-STATE	SOLID-STATE	SOLID-STATE	SOLID-STATE	SOLID-STATE	SOLID-STATE
<b>POWER AMP</b>	300W @ 8 Ω / 500W @ 4 Ω	300W @ 8 Ω / 500W @ 4 Ω	300W @ 8 Ω / 500W @ 4 Ω	300W @ 8 Ω / 500W @ 4 Ω	300W @ 8 Ω / 500W @ 4 Ω	300W @ 8 Ω / 500W @ 4 Ω	150W @ 8 Ω / 250W @ 4 Ω
<b>POWER SUPPLY</b>	ALL MODELS ARE EQUIPPED WITH CUSTOM-DESIGNED MARKBASS DIGITAL POWER SUPPLIES						

## 7. LITTLE MARK TUBE / LITTLE MARK TUBE 800 TECHNICAL DETAILS

### INPUTS

INPUT 1	impedance: 500 Kohm, max. voltage: 15 Vpp
INPUT 2	balanced XLR, impedance: 500 Kohm, max. voltage: 15 Vpp
RETURN EFFECT	impedance: 33 Kohm, max. voltage: 10 Vpp

### CONTROLS

GAIN 1	-60 dB to +23 dB range
GAIN 2	-60 dB to +23 dB range
LINE OUT	level control on front panel
PRE/POST EQ (for line out)	switch on rear panel
GROUND LIFT	switch on rear panel
MUTE	pulling out the Master knob
MASTER VOLUME	

### EQUALIZATION

LOW	center frequency: 40 Hz; level: $\pm 16$ dB
MID LOW	center frequency: 360 Hz; level: $\pm 16$ dB
MID HIGH	center frequency: 800 Hz; level: $\pm 16$ dB
HIGH	center frequency: 10 kHz; level: $\pm 16$ dB
VLE (Vintage Loudspeaker Emulator)	max. range cut: 250 Hz – 20 kHz
VPF (Variable Pre-shape Filter)	center frequency 380 Hz (cut)

### OUTPUTS

SEND EFFECT	unbalanced, max. voltage 20 Vpp (pre-EQ)
TUNER OUT	unbalanced, max. voltage 2 Vpp
LINE OUT	balanced XLR, max. voltage 20 Vpp
SPEAKER OUT	speakon/1/4" combo, 1/4"

### OTHER

HEIGHT	2 rack units (3.16 in. / 80.3 mm)
WIDTH	10.87 in. / 27.6 cm (19 in. / 48.3 cm with rack ears)
DEPTH	10.04 in. / 25.5 cm
WEIGHT	6.55 lbs / 2.97 kg (LITTLE MARK TUBE) 6.31 lbs / 2.86 kg (LITTLE MARK TUBE 800)

### OUTPUT POWER

300W RMS @ 8 ohm, 500W RMS @ 4 ohm  
(LITTLE MARK TUBE)  
450W RMS @ 8 ohm, 750W RMS @ 4 ohm  
(LITTLE MARK TUBE 800)

### POWER REQUIREMENT

100V; 120V; 230V; 240V 50/60Hz  
(Voltage is factory preset according to region of sale).

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### FUSE

#### LITTLE MARK TUBE:

EUROPE	4 A 250V T 5x20
AUSTRALIA/UK	4 A 250V T 5x20
USA/CANADA	8 A 250V T 5x20
JAPAN	10 A 250V T 5x20

#### LITTLE MARK TUBE 800:

EUROPE	6.3 A 250V T 5x20
AUSTRALIA/UK	6.3 A 250V T 5x20
USA/CANADA	8 A 250V T 5x20
JAPAN	10 A 250V T 5x20

## 8. TROUBLESHOOTING TIPS

### THERMAL PROTECTION

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

### CURRENT PROTECTION

- SYMPTOM** The amp turns on, but there is no signal coming from the speaker/s.
- PROBABLE CAUSE** Low impedance load (minimum impedance for Markbass amps is 4 ohms), or a bad speaker cable.
- SUGGESTIONS** 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.

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](http://www.markbass.it).

Product specifications are subject to change without notice

The logo for Markbass, featuring the brand name in a bold, italicized, sans-serif font with a thick white outline and a black drop shadow. The letters are slanted to the right, giving it a sense of motion and energy.

**Mark  
bass**

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