

# **Mark bass**

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

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

**OWNER'S MANUAL**

**LITTLE MARK IV 300 U ~ LITTLE MARK IV ~ LITTLE MARK IV NINJA ~  
LITTLE MARK IV COMBO**

## 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 instruction. Tipping, shaking, or rocking the machine may cause injury or death."

## 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 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"



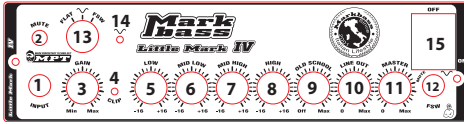
"To be used only where the climate is not tropical"



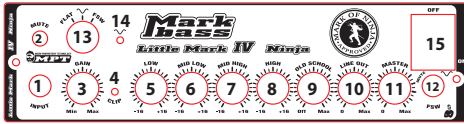
## PRECAUTIONS D'EMPLOI

- 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 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 et 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) Utiliser 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) Pour déconnecter totalement cet appareil du secteur, débranchez le cordon d'alimentation fiche de la prise secteur;
- 17) La prise de courant doit être facilement accessible.
- 18) En cas de sélecteur de tension s'assurer que l'interrupteur sur le panneau arrière est sur la bonne tension avant de le raccorder à l'alimentation secteur et le fusible est la bonne valeur pour que la tension (Ce sélecteur n'est pas disponible sur la version 100V). S'il vous plaît changer la tension / valeurs de fusibles étiquette située près du sélecteur de tension correspondant aux valeurs /fusibles de tension lorsque vous avez besoin de changer la tension de l'appareil.
- 19) "AVERTISSEMENT: cet appareil doit être assujéti au plancher ou au mur conformément aux instructions d'installation. Le fait de l'incliner, de le balancer ou de l'agiter peut causer des blessures ou la mort."

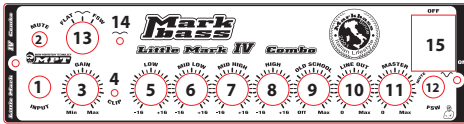
**LITTLE MARK IV / LITTLE MARK IV 300 U  
FRONT PANEL**



**LITTLE MARK IV NINJA FRONT PANEL**



**LITTLE MARK IV COMBO FRONT PANEL**

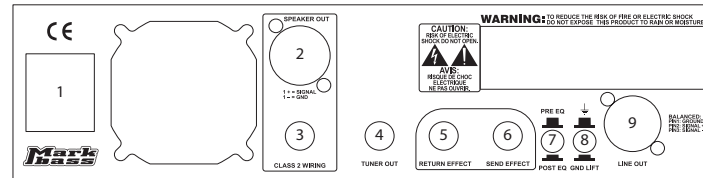


**1. FRONT PANEL**

- 1 UNBALANCED 1/4" JACK INPUT
- 2 MUTE SWITCH
- 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 OLD SCHOOL FILTER
- 10 LINE OUT LEVEL KNOB
- 11 MASTER VOLUME LEVEL KNOB
- 12 FOOTSWITCH INPUT
- 13 3-SWITCH (FLAT/SCOOPED-MID/FSW)
- 14 SCOOPED-MID EQ LED
- 15 MAIN ON/OFF SWITCH

**2. LITTLE MARK IV / LITTLE MARK IV 300 U/ LITTLE MARK IV NINJA / LITTLE MARK IV COMBO REAR PANEL**

- 1 AC POWER SOCKET
- 2 SPEAKER OUT SPEAKON / 1/4" COMBO JACK (LITTLE MARK IV NINJA: SPEAKER OUT SPEAKON)
- 3 SPEAKER OUT 1/4" JACK (NOT PRESENT ON LITTLE MARK IV NINJA)
- 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 IV / LITTLE MARK IV 300 U / LITTLE MARK IV NINJA / LITTLE MARK IV COMBO**  
**TECHNICAL DETAILS**

<b>INPUTS</b>	
INPUT RETURN	impedance: 1 Mohm, max. voltage: 9 Vpp impedance: 22 Kohm, max. voltage: 10 Vpp
<b>CONTROLS</b>	
GAIN	-46 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 SWITCH	
MASTER VOLUME	
<b>EQUALIZATION</b>	
LOW	center frequency 68 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
OLD SCHOOL	max cut range: 250 Hz – 20 kHz
3 WAY SWITCH	flat/scooped-mid/FSW
<b>OUTPUTS</b>	
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"* *Little Mark IV Ninja : only speakon
<b>OTHERS</b>	
HEIGHT	2 rack units (3.27 in. / 83 mm)
WIDTH	10.87 in. / 27.6 cm (19 in. / 48.3 cm with rack ears)
DEPTH	10.04 in. / 25.5 cm
WEIGHT	5.95 lbs / 2.7 kg (LITTLE MARK IV 300) 6.17 lbs / 2.8 kg (LITTLE MARK IV) 6.61 lbs / 3 kg (LITTLE MARK IV NINJA)
LIMITER	
FOOTSWITCH (OPTIONAL)	FLAT/SCOOPED-MID/FSW

OUTPUT POWER	<ul style="list-style-type: none"> <li>• 300W RMS @ 4 ohm, 150W RMS @ 8 ohm (LITTLE MARK IV 300)</li> <li>• 500W RMS @ 8 ohm, 300W RMS @ 4 ohm (LITTLE MARK IV/LITTLE MARK IV COMBO)</li> <li>• 1000W RMS @ 4 ohm, 600W RMS @ 8 ohm (LITTLE MARK IV NINJA)</li> </ul>
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POWER REQUIREMENT	<ul style="list-style-type: none"> <li>• LITTLE MARK IV, LITTLE MARK IV COMBO, LITTLE MARK IV NINJA 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.</li> <li>• LITTLE MARK IV 300 U MULTIVOLTAGE 120V÷240V* <i>*(not available on the 100V version manufactured for Japan)</i></li> </ul>
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**FUSE**

LITTLE MARK IV, LITTLE MARK IV COMBO:

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 IV NINJA

EUROPE	8 A 250V T 5x20
AUSTRALIA/UK	8 A 250V T 5x20
USA/CANADA	10 A 250V T 5x20
JAPAN	12 A 250V T 5x20

LITTLE MARK IV 300 U

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	CMD 102P IV	MINI CMD 102P IV	MINI CMD 121P IV	CMD 121H IV	MINI CMD 151P IV	CMD NINJA 102P-500 IV
<b>SPEAKER SIZE (INCHES)</b>	2X10"	2X10"	1X12"	1X12"	1X15"	2X10"
<b>TWEETER</b>	PIEZO TWEETER	PIEZO TWEETER	PIEZO TWEETER	1" HF COMP. DRIVER	PIEZO TWEETER	PIEZO TWEETER
<b>CROSSOVER FREQUENCY</b>	3.5 KHZ	3.5 KHZ	3.5 KHZ	3.5 KHZ	3.5 KHZ	3.5 KHZ
<b>CAB POWER HANDLING (AES STANDARD)</b>	400W RMS	400W RMS	400W RMS	400W RMS	400W RMS	400W RMS
<b>FREQUENCY RESPONSE</b>	40HZ TO 18KHZ	40HZ TO 18KHZ	45HZ TO 18KHZ	45HZ TO 20KHZ	40HZ TO 18KHZ	40HZ TO 18KHZ
<b>CABINET SENSITIVITY (DB SPL)</b>	101	101	99	99	100	101
<b>CABINET IMPEDANCE</b>	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
<b>REFLEX</b>	FRONT	REAR	REAR	REAR	REAR	REAR
<b>WEIGHT KG.</b>	20	16.5	13.3	17.9	18.5	16.4
<b>WEIGHT LBS.</b>	44.09	36.37	29.32	39.46	40.79	36.15
<b>WIDTH MM.</b>	594	589	390	390	464	330
<b>WIDHT INCHES</b>	23.39	23.18	15.35	15.35	18.27	12.99
<b>HEIGHT MM.</b>	479	418	432	599	464	700
<b>HEIGHT INCHES</b>	18.86	14.33	17.01	23.58	18.27	27.40
<b>DEPTH MM.</b>	475	364	357	464	480	430
<b>DEPTH INCHES</b>	18.70	16.45	14.06	18.27	18.90	17.05
<b>PREAMP</b>	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
<b>POWER SUPPLY</b>	ALL MODELS ARE EQUIPPED WITH CUSTOM-DESIGNED MARKBASS DIGITAL POWER SUPPLIES					

## 5. 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

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bass**

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