



Mark Jacoustic

ACOUSTIC AC 101 H
OWNER'S MANUAL

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."
- 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"



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 COMPLETEMENT L'APPAREIL DU RESEAU D'ALIMENTATION, DÉCONNECTER LE CORDON D'ALIMENTATION DE LA PRISE MURALE;
- 17) LA PRISE DU RESEAU D'ALIMENTATION DOIT DEMEURER AISEMENT 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 ASSUJETTI AU PLANCHER OU AU MUR CONFORMÉMENT AUX INSTRUCTIONS D'INSTALLATION. LE FAIT DE L'INCLINER, DE LE BALANÇER OU DE L'AGITER PEUT CAUSER DES BLESSURES OU LA MORT."
- 20) "ATTENTION: CES INSTRUCTIONS D'ENTRETIEN SONT DESTINÉES PAR PERSONNEL QUALIFIÉ SEULEMENT . POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE NE PAS EFFECTUER TOUT ENTRETIEN AUTRE QUE CELLES CONTENUES DANS TEH MODE D'EMPLOI SAUF SI VOUS ÊTES QUALIFIÉ POUR LE FAIRE"



A Word from Marco De Virgiliis

Thank you for choosing the **Acoustic AC 101 H combo**.

The full-range sound reproduction of the **AC 101 H**, powering even the lowest frequencies with stunning definition, makes it appropriate for a wide range of acoustic instruments such acoustic guitar, acoustic bass, double bass, harp, cello, accordion, etc.

We invite you to contact us any time with your comments and questions at **info@markworld.it**

Thanks again, and enjoy the TRUE and NATURAL sound of your instrument by your new Markacoustic amp!



Marco De Virgiliis

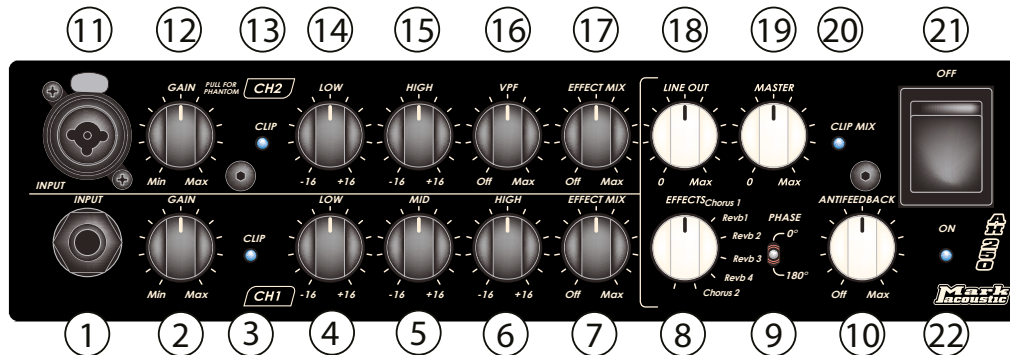
A handwritten signature in black ink that reads "Marco De Virgiliis".



FRONT PANEL

- 1) INPUT CH1** Connect your acoustic instrument to this input using a standard ¼" shielded instrument cable.
- 2) CH1 GAIN** This controls how much signal is passed through the CH1 preamp stage of the unit, which includes equalization and the effects loop.
- 3) CH1 CLIP LED** If playing through the amp causes the blue CLIP light to turn on at all, you should turn down the GAIN control to set the optimal gain level for your instrument's signal.
- 4) CH1 LOW** This knob controls the amount of low frequencies in your sound, boosts or cuts the level of the frequencies around 40 Hz (± 16 dB).
- 5) CH1 MID** This knob controls the level of mid frequencies, boosts or cuts the level of the frequencies around 600 Hz (± 16 dB).
- 6) CH1 HIGH** This knob controls the level of high frequencies, boosts or cuts the level of the frequencies around 6 KHz (± 16 dB).
- 7) CH1 EFFECT MIX** Controls the amount of effect in the channel 1.
- 8) EFFECTS** The DV AC101 features last generation of digital reverb and chorus effects, they are sweet-sounding, warm and natural. The selected effect is common for CH1 and CH2, thanks to the separate Effect MIX (7-15) you can regulate the amount of effect for each channel.
- 9) PHASE SWITCH** The Phase switch flips the polarity of your instrument signal from positive to negative, changing its relationship to the sound coming from the amplifier. Use the Phase switch in conjunction with the Anti-Feedback control knob to eliminate acoustic feedback.
- 10) ANTIFEEDBACK** The Antifeedback knob control is a variable frequency notch filter designed to isolate and eliminate feedback. Turning the knob adjusts the center frequency of the filter, ranging from 20Hz (off) to 400Hz at full clockwise.
- 11) INPUT CH2** This input accepts either a balanced XLR signal (for microphone or in case your instrument's pickup supplies a balanced output) or an unbalanced signal using a standard ¼" shielded instrument cable.
- 12) GAIN CH2** This controls how much signal is passed through the CH2 preamp stage of the unit, which includes equalization and the effects loop. In case of condenser microphone or pickup system with phantom power, pull out the CH2 GAIN knob to engage 48V phantom power on balanced XLR input.
- 13) CH2 CLIP LED** If playing through the amp causes the blue CLIP light to turn on at all, you should turn down the GAIN control to set the optimal gain level for your instrument's signal.

- 14) CH2 LOW** This knob controls the amount of low frequencies in your sound, boosts or cuts the level of the frequencies around 60 Hz (± 16 dB).
- 15) CH2 HIGH** This knob controls the level of mid frequencies, boosts or cuts the level of the frequencies around 5 kHz (± 16 dB).
- 16) VPF** The VPF (Variable Preshape Filter) knob boosts lows and highs, and cuts mids around 380 Hz. It's very effective for strumming and finger picking techniques, and/or to cut mid and enhance low and high to the voice tone using a microphone connected to the XLR input of CH2.
- 17) CH2 EFFECT MIX** Controls the amount of effect in the channel 2.
- 18) LINE OUT** This knob controls the level of the signal from the XLR LINE OUT (29) to the mixing console in live or studio applications.
- 19) MASTER** This control is the master feed from the end of the two preamp channels to the power stage section.
- 20) MIX CLIP LED** If the MIX CLIP light to turn on at all, you'd turn down the EFFECT MIX level control to set the optimal effect level avoiding its clip
- 21) MAIN ON/OFF SWITCH** This switch delivers AC power to the amp. Make sure the unit is grounded; all three terminals of the AC power plug must be connected to avoid any injury to the user or damage to the unit.
- DV Mark amps and combos are manufactured to be used in the country where they have been sold, and are factory preset to that country's voltage. So make sure you're sending the correct voltage to your amp before you connect it to AC power
- 22) ON LED** A blue indicator LED is illuminated whenever the main on/off switch (19) is on and the amplifier is receiving power.



REAR PANEL

23) AC POWER SOCKET Make sure the unit is grounded; all three terminals of the AC power plug must be connected to avoid any injury to the user or damage to the unit.

WARNING: The DV AC 101 is manufactured to be used in the country where they have been sold, and it is factory preset to that country's voltage. So make sure you're sending the correct voltage to your amp before you connect it to AC power.

24-25) SPEAKER OUTS The DV AC 101 combo head features two speaker outputs, the high-quality SPEAKON COMBO output is connected by default to the internal speaker, may you like to use a SPEAKON speaker cable to connect an 8ohm extension cabinet you can disconnect the cable from internal speaker from the SPEAKON COMBO output and connect it to the JACK output.

The amp delivers 150W of power @ 8 ohm, or 250W @ 4 ohm (adding a 8ohm extension cabinet), speaker outputs are in parallel and minimum impedance load for the amp is 4 ohm.

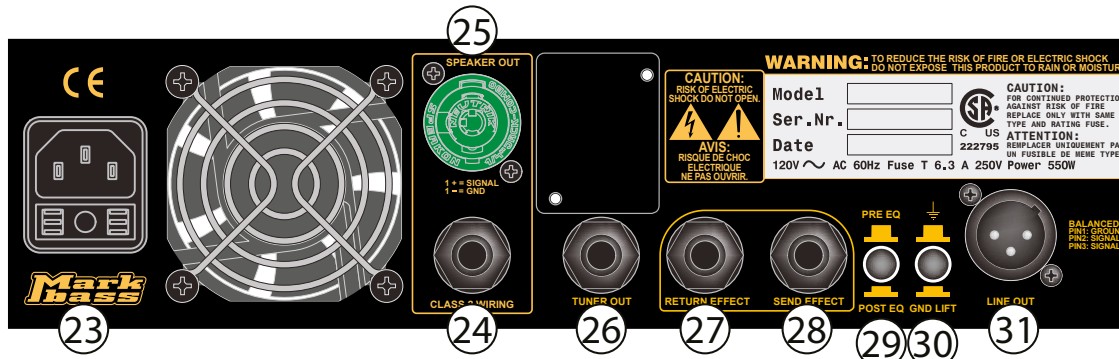
26) TUNER OUT Is an unbalanced signal that can be sent to a tuner, allowing you to tune as you play without passing your signal through pedals, which can degrade the quality of your signal. You can also use this output to send your signal on to another amp, or any kind of recording unit that doesn't require a balanced signal.

27-28) SEND/RETURN If you use effect pedals or rack gear, you can route them through the SEND EFFECT (26) and RETURN EFFECT (25). The effects loop is wired in parallel.

29) PRE/POST SWITCH It determines whether the signal that leaves the LINE OUT XLR (29) is affected by your amplifier's EQ settings or not. In most cases, you will find that sound engineers prefer to receive a pre-EQ signal. Note that the line out signal includes whatever effects you've connected through the effects loop.

30) GROUND LIFT SWITCH Occasionally when you're playing live and using the LINE OUT XLR (29), the soundman will detect a hum from your amp's signal. This is almost always due to a grounding problem related to your power source; you will likely eliminate this hum simply by flipping the GROUND LIFT switch.

31) LINE OUT The balanced XLR output allows you to connect your amplifier directly to a mixing console (either in live situations or in a recording studio) without the need of a DI box. Simply connect a standard XLR cable from this output to the soundboard/mixing console, or a snake connected to the board/console.



TECHNICAL SPECS

Channels:

Two

Input CH1 unbalanced

impedance: 500 Kohm, max. voltage: 10 Vpp

Input CH2 unbalanced

impedance: 500 Kohm, max. voltage: 10 Vpp

balanced

impedance: 500 Kohm, max. voltage: 20 Vpp

Controls:

Return

impedance: 33 Kohm, max. voltage: 10 Vpp

Gain CH1

-45 dB to +28 dB range

Gain CH2

-43 dB to +26 dB range

Line Out

level control on front panel

Phantom Power

48V DC (on CH2 Input, pulling out the CH2 GAIN knob)

Ground Lift

switch on rear panel

Effect Mix

Internal effect only

Phase

switch on front panel (0° - 180°)

Antifeedback

20 Hz (off) to 400 Hz range

Master Volume

EQ Controls:

CH1:

Low

40 Hz; level: ± 16 dB

Mid

600 Hz; level: ± 16 dB

High

6 kHz; level: ± 16 dB

CH2:

Low

60 Hz; level: ± 16 dB

High

5 kHz; level: ± 16 dB

VPF

center frequency 380 Hz (cut)

(Variable Pre-shape Filter)

Outputs Send unbalanced, max. voltage 20 Vpp (pre EQ)
 Line Out balanced XLR, max. voltage 20 Vpp
 Speaker Out speakon / 1/4" combo jack, 1/4" jack

Speaker Outputs: One 1/4" Jack mono out (minimum load 4 ohm)
 One Neutrik Speakon/1/4" Jack Combo out (minimum load 4 ohm)

Power Output: 250W RMS @ 4 ohm, 150W RMS @ 8 ohm

Other Features: Onboard Digital Effects: Chorus 1;Room; Revb 1; Revb 2; Hall; Chorus 2

Speaker: 1x10" Markacoustic custom with 1" compression driver

Dimensions: 353 x 367 x 367 mm / 13.9" x 14.45" x 14.45"

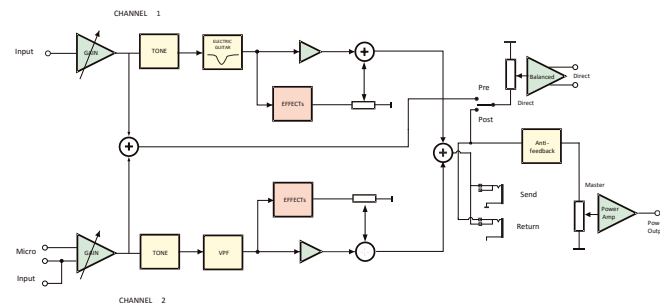
Weight: 10,5 Kg / 23.15 lbs

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.

FUSES: T 3,15A 250V for 230V setting
 T 3,15A 250V for 240V setting
 T 6,3A 250V for 100V setting
 T 6,3A 250V for 120V setting

BLOCK DIAGRAM



Product specifications are subject to change without notice



Mark Jacoustic

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