Mark bass

OWNER'S MANUAL

MARKBASS EVO 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) 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 REAMIN 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 TEH OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO"

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 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 recommendés 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 object 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 COMPLETEMEN 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 BALANCER OU DE L'AGITER PEUT CAUSER DES BLESSURES OU LA MORT."
20) "ATTENTION: CES INSTRUCTIONS D'ENTRETIEN SONT DESTINÉES PAR PERSONNEL QUALIFIÉ SEULEMENT . POUR REDUIRE 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"

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"

≤2000m

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

MARKBASS EVO 1

A WORD FROM MARCO DE VIRGILIIS

Thank you for choosing the **Markbass EVO1** head.
It's the result of the mix between classic and advanced technology evolution to allow bassists to have not only just a 'gorgeous' bass sound, but always the 'right' sound... no matter which genres and techniques you're playing!!!

The MARKBASS EVO 1 offers six AMPS tone choices for each of the two channels, clean and distorted.
Bass players have always been inspired by the possibility to mix two amplifiers tones and to blend clean and distorted sounds as Jaco Pastorius did back in the years. With the Markbass EVO 1 that's possible, opening many more sound options experimenting two amps playing simultaneously.

Of course it can be also used as a two channels amp connecting two instruments simultaneously.
Both channels feature classic standard amp controls interface and one effect for each channel (you can update AMPs and effects picking and downloading your favorite ones from our website), MIDI In port, on board tuner, aux in and headphones out, FX loops, XLR Line Outs, and a powerful 500W MPT (Mark Proprietary Technology) power amp.

We hope you will enjoy your new r**EVO**lutionary bass amp, and we invite you to contact us any time with your comments and questions, at **info@markbass.it**.

Thanks again, and good music!

FRONT PANEL

1) INPUT 1 Connect your bass to this input using a standard ¼" shielded instrument cable.
2) CH1/CH2/MIX This channel selector switches between the Channel 1 and Channel 2 or mix the two channels. Channel-switching/mix can also be controlled by a EVO pedal that can be plugged into the MIDI IN on the rear panel **(30).**
3) AMP 1 Select between six AMPS tone choices available at channel 1.
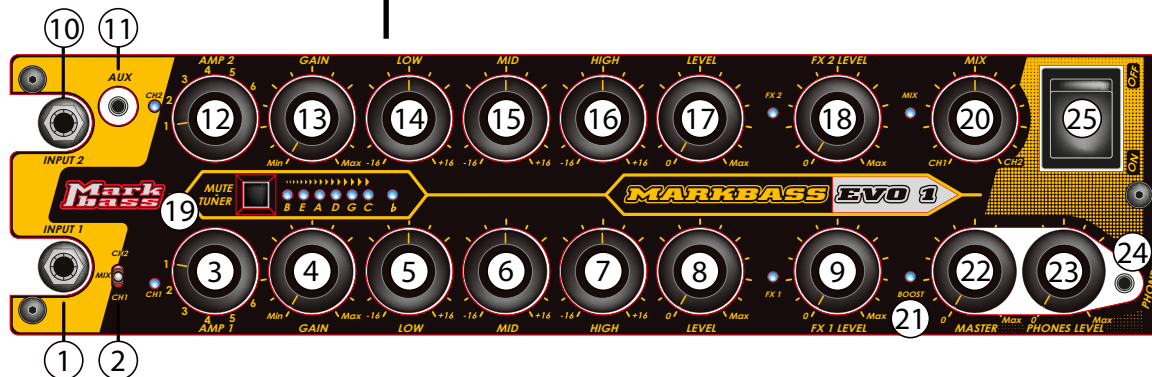
FACTORY SETTING CH1

- **Little Mark III**   (Markbass Little Mark III)
  flagship Markbass amplifier, solid-state preamp with warm and natural sound, faithfully reproduces the true tone of your instrument
- **T-Green90**   (TRACE ELLIOT ® GP12)
  solid state, Nineteen tone, scooped but "solid" sound
- **RB7Hundred**   (G&K ® RB 700 ®)
  solid state, quite modern sound, "GK growl" tone
- **Blue '70**   (Ampeg ® SVT-VR ® Blue Line)
  tube, classic big tone, iconic rock sound
- **TTE500**   (Markbass TTE 500)
  tube, "Modern Vintage", thunderous all-valve tone (Tube Technology Emulator)
- **Sunny US**   (SUNN ® T)
  vintage, true classic rock tone

note: *You can update AMPs choices for each channel as for your preference thanks to the MARKBASS EVO SOFTWARE)*

4) GAIN This knob sets the gain level of the channel 1.
5) LOW This knob controls the amount of low frequencies of the selected AMP / CH1.
6) MID The Mid control regulates the midrange frequencies of the selected AMP / CH1.
7) HIGH The High knob controls the amount of high frequencies of the selected AMP / CH1.
8) LEVEL Controls the level of the selected AMP model on CH1.
9) FX 1 LEVEL Controls the level of the effect of channel 1.

FX FACTORY SETTING CH1: COMPRESSORE
note: *- You can update FX choices for each channel and customize their parameters as for your preference thanks to the MARKBASS EVO SOFTWARE.*
    - FX ON/OFF switching can be controlled by the EVO pedal.
    - In MIX mode the effects don't work simultaneously.

10) INPUT 2 Connect your bass to this input using a standard ¼" shielded instrument cable.
    note: *You can use simultaneously the two inputs connecting two instruments and use the Markbass EVO 1 as two channels amp.*

11) AUX Use this input to plug in an iPod, CD or MP3 player using a stereo mini plug 1/8". This signal mixes in evenly with the instrument/s connected to the input/s.

12) AMP 2   Select between six AMPS tone choices available at channel 2.

       FACTORY SETTING CH2

- **B-Drive21**   (TECH 21® SANSAMP ®)
  warm, rich, organic natural tone
- **Red '96**   (SWR ® Red Head ®)
  tube, super high-fidelity sound
- **Blue '70 plus**   (Ampeg ® SVT-VR ® Blue Line plus)
  tube, punch, all-encompassing low-end warmth tone
- **Bassface '59 US**   (Fender ® Bassman ®)
  vintage, clean and warm, legendary tone
- **UK120**   (VOX ® AC 120 ®)
  vintage, mellow sound
- **JMayor**   (MARSHALL ® MAJOR ®)
  vintage, classic rock icona tone

note: *You can update AMPs choices for each channel as for your preference thanks to the MARKBASS EVO SOFTWARE)*

13) GAIN   This knob sets the gain level of the channel 2.
14) LOW   This knob controls the amount of low frequencies of the selected AMP / CH2.
15) MID   The Mid control regulates the midrange frequencies of the selected AMP / CH2.
16) HIGH   The High knob controls the amount of high frequencies of the selected AMP / CH2.
17) LEVEL   Controls the level of the selected AMP model on CH2.
18) FX 2 LEVEL   Controls the level of the effect of channel 2.

       FX FACTORY SETTING CH2: T-CHORUS
note: *- You can update FX choices for each channel and customize their parameters as for your preference thanks to the MARKBASS EVO SOFTWARE.*
          - FX ON/OFF switching can be controlled by the EVO pedal.
          - In MIX mode the effects don't work simultaneously.

19) MUTE/TUNER   The DV Mark/Markbass EVO 1 features an onboard tuner that lets you tune your instrument at a regular 440Hz tuning, half step down and a whole tone down. The default status is 440Hz and the light on the "b" will light in green. Pushing and holding the MUTE/TUNER button, the LED will light in Orange after releasing it and you can tune your instrument half step down. Pressing and holding the same button a second time will make the "b" LED light in red, that means you're ready to tune your instrument a whole step down. Pressing

and holding again you'll go back to the 440 Hz tuning mode.
20) MIX   This knob allows to mix the CH1 and CH2 when you select MIX mode.
21) BOOST   This LED signals when the BOOST is actived, BOOST ON/OFF switching is controlled by the EVO pedal.
note: *You can customize the boost parameter as for your preference thanks to the MARKBASS EVO SOFTWARE.*
22) MASTER   This control is the master feed from the end of the channels CH1/CH2 to the power stage. Start with the Master control OFF (all the way counter-clockwise) and turn it up gradually until you reach your desidered volume.
23) PHONES LEVEL   Controls the level of the signal send to the PHONES OUTPUT (24).
24) PHONES   For quiet practing plug headphones into this mini plug 1/8" input.
25) ON/OFF SWITCH   This switch delivers AC power to the amp.
          The Markbass EVO 1 is manufactured to be used in the country where it has been sold, and it's 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 and turn on the amp.

REAR PANEL

26) 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.
The Markbass EVO 1 is manufactured to be used in the country where it has been sold, and it's 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.

27/28/29) SPEAKER OUT

Connect your cabinet/s to the speaker out/s (minimum load 4 ohm, the speaker outputs are in parallel).
The speaker JACK outs **(27-29)** accepts ¼" Jack speaker cables, the SPEAKON **(28)** accepts SPEAKON speaker cable (either 2 poles or 4 poles connector -standard wiring +1/-1).
Do not use instrument cables.
The Markbass EVO 1 delivers 500W of power into a 4 ohm cabinet (or two 8 ohm cabinets) or 300W into an 8 ohm cabinet.

30) MIDI IN

Connecting the EVO PEDAL to this MIDI input you've access to switch/mix CH1 and CH2, turn ON/OFF FX1 and FX2, turn ON/OFF the BOOST and the MUTE/TUNER functions.

- • The **MIDI RX CHANNEL** is setted on **#0**

The switch between channel and mix are setted as for the **PROGRAM CHANGE:**

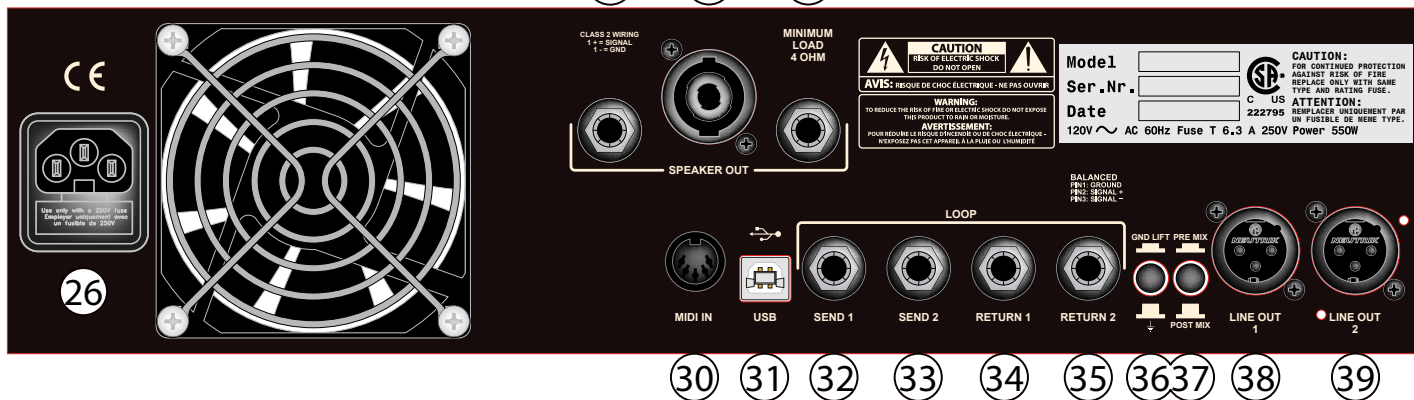- • **PC#1=Ch1 / PC#2=Ch2 / PC#3=Mix**

FX1, FX2, BOOST, MUTE/TUNER ON/OFF are setted as for the **CONTROL CHANGE:**

- • **FX 1 ON = (CC #1,1) / FX 1 OFF = (CC #1,0)**
- • **FX 2 ON = (CC #2,1) / FX 1 OFF = (CC #2,0)**
- • **BOOST ON = (CC #3,1) / BOOST 1 OFF = (CC #3,0)**
- • **TUNER ON = (CC #28,1) / TUNER OFF = (CC #28,0)**

31) USB This USB port allows to connect your Markbass EVO 1 to a computer thanks to an USB A/B (printer) cable to set your preferred AMPs on CH1 and CH2 and parameters of FX1/FX2 and Boost using the Markbass EVO 1 software, and then store your favorite settings back on the amp.

FX SELECTION on Markbass EVO 1 software:
- • Compressore (Markbass Compressore)
- • T-Chorus (TC ® Chorus)
- • MW Octaver (Markbass MB Octaver)
- • Riverbero (Markbass custom item)
- • Envelope filter (Markbass custom item)
- • Delay (Markbass custom item)

32/34) SEND/ RETURN 1 If you use effect pedals or rack gear, you can route them through the CH1 using SEND 1 (32) and RETURN 1 (34), connecting the SEND to the input of the effect and the RETURN to the effect's output using instrument cables.

33/35) SEND/ RETURN 2 If you use effect pedals or rack gear, you can route them through the CH2 using SEND 2 (33) and RETURN 2 (35), connecting the SEND to the input of the effect and the RETURN to the effect's output using instrument cables.

36) GROUND LIFT Occasionally when you're playing live and using the LINE OUT, 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.

37) PRE MIX / POST MIX This switch determines whether the signals that leave the LINE OUT XLR outputs are from CH1 to Line Out 1 and CH2 to Line Out 2 (PRE MIX) or the mix of both channels (POST MIX) to each output.

38) LINE OUT 1 This output sends the CH1 signal to the mixing console, to recording device, DI, etc. The Line Out signal is post effect.

39) LINE OUT 2 This output sends the CH2 signal to the mixing console, to recording device, DI, etc. The Line Out signal is post effect. The two channels separate LINE OUTs allows to sends the two signals to the devices for live or studio applications, as well as to have separate signals from the instruments connected to the inputs.

TECHNICAL SPECS

CHANNELS:	Two + MIX mode
INPUT CH1:	1x 1/4" mono jack (impedance 1MΩ)
INPUT CH2:	1x 1/4" mono jack (impedance 1MΩ)
AUX IN:	1x 1/8" stereo jack
USB port:	USB type B
2 RETURN INPUTS:	2x 1/4" mono jack (50KΩ)
2 SEND OUTPUTS:	2x 1/4" mono jack (1KΩ)
SPEAKER OUTPUTS:	2x 1/4" mono jack + 1x Speakon parallel wiring, minimum impedance load 4 ohms
LINE OUT 1:	1x XLR male balanced
LINE OUT 2:	1x XLR male balanced
PHONES OUTPUT:	1x 1/8" stereo jack
MIDI IN:	DIN 5 poles

CONTROLS (for each channel)

Gain / Low / Mid / High / Level / FX Level
Amps Selection: 6 for CH1 / 6 for CH2

OTHER CONTROLS (commons)

Channel Switch:	CH1 / MIX / CH2
MIX:	CH1 / CH2

Phones Level, Master, GND Lift switch, Pre/Post MIX switch

MIDI FUNCTIONS

Switch CH1, CH2, MIX
FX1 ON/OFF, FX2 ON/OFF
BOOSTER ON/OFF
MUTE/TUNER

OUTPUT POWER

500W RMS @ 4 ohms / 300W RMS @ 8 ohms (impedance minimum load 4 ohms)

OTHER

HEIGHT: 3.94 in. / 100 mm
WIDTH: 14.17 in. / 360 mm
DEPTH: 10.04 in. / 255 mm
WEIGHT: 7.72 lbs / 3,5 kg

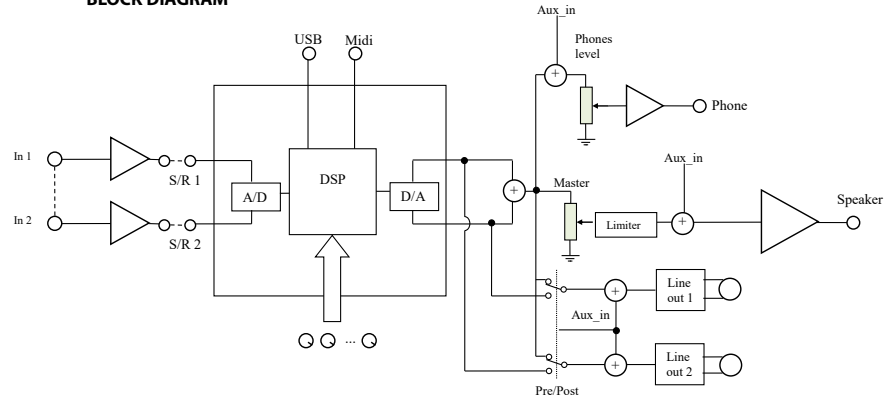**POWER REQUIREMENT:** 100V; 120V; 230V; 240V 50/60Hz
Voltage is factory preset according to region of sale).
Markbass amps/combos are manufactured to be sold and used in the country of purchase, and are factory preset to that country's voltage. Due to homologation issues, the voltage may not be changed.

FUSE:

EUROPE 4 A 250V T 5x20
AUSTRALIA/UK 4 A 250V T 5x20
USA/CANADA 8 A 110V T 5x20
JAPAN 10 A 100V T 5x20

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BLOCK DIAGRAM

EVO1 CONTROLLER

The optional Markbass EVO CONTROLLER allows to active CH1 / CH2 or MIX both, turn ON/OFF the FX1, FX2 and BOOST, plus accessing the TUNER with MUTE function pressing and holding the boost switch.

The Markbass EVO 1 MIDI port features 9VDC phantom power (200 mA) via MIDI 5 poles cable (all pins connected) to power the EVO CONTROLLER (or MIDI Pedalboard compatible with this voltage/power).

The EVO can be controlled also via programmable MIDI pedalboard as for the MIDI commands listed below:

- TRX MIDI CHANNEL #0

- CH1 Program Change #1
- CH2 Program Change #2
- MIX CH1+CH2 Program Change #3

- FX1 Control Change #1 (ON 1 / OFF 0)
- FX2 Control Change #2 (ON 1 / OFF 0)
- BOOST Control Change #3 (ON 1 / OFF 0)
- TUNER Control Change #28 (ON 1 / OFF 0)

MARKBASS CONTROL SOFTWARE

The Markbass EVO Control software is available for FREE DOWNLOAD at www.markbass.it (for Windows and MAC) and it allows to customize your Markbass EVO 1 selecting the preferred AMP on each of the six locations of the two channels and the preferred effect (or none) for each channel and its parameters, plus the Boost Level.

- DOWNLOAD the Markbass EVO Control software and unzip the file, then install the version compatible with your computer.

- Connect the USB port on the rear panel of the Markbass EVO 1 to a computer using a USB A/B (printer) cable, when the unit is communicating with the software the connection LED on the left bottom side will turn from grey into green.

- To select an AMP in one of the 6 positions of CH1 click on the arrows on its right side and the list of AMPS will be shown, select the desired one clicking on its name, then press STORE; same procedure for CH2.

- To select the desired effect for CH1 click on the arrows on EFFECT section and select the preferred one clicking on its name, set the parameters as for your preference and press STORE; same procedure for CH2.

- To select the level of BOOST, drag the virtual knob and set it as for your preference, then press STORE.

- The FIRMWARE button on the right bottom side allows to upgrade the Markbass EVO1 amplifier firmware when new updates are released.