



Guitar at its Best!

DV 403

Owner's Manual

SAFETY INSTRUCTIONS

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 a dry cloth;
- 7) Install in accordance with the manufacturer's instructions;
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses (including amplifiers) that produce heat;
- 9) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus;
- 10) Only use attachments/accessories specified by the manufacturer;
- 11) Unplug this apparatus during lightning storms or when unused for long periods of time;
- 12) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped;
- 13) "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";
- 14) The socket outlet shall be installed near the equipment and shall be easily accessible;
- 15) The power cord must be unplugged prior to servicing

MORE INFORMATION

For warranty and service information, please contact your local DV Mark distributor (contact information available at www.dvmark.it). For more technical information, please visit us at www.dvmark.it and fill out the form on the Contact Us page. We hope you enjoy your amplifier 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."



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A Word from Marco De Virgiliis

Thank you for choosing DV Mark!

We are very excited to have you join us for an exciting new chapter in the history of guitar amplification. In less than 10 years, we have succeeded in making Markbass the world's leading bass amp brand, using technology to better serve the needs of bassists: great tone, reliability, versatility/flexibility, and light weight. Now it's time for guitarists to have their turn!

The classic **tones** guitarists have come to know and love over the last few decades are worthy of great respect. We have designed our amps with a great reverence for these sounds. We're not trying to start a revolution in guitar tone... because guitarists don't want or need that. However—there are some important areas where the classic amplifiers can be greatly improved upon, to better suit the needs of guitarists:

The first is **reliability**—and we are very proud of the high quality standard that we're able to offer thanks to our 100% Made in Italy production, state-of-the-art testing and quality control facilities, top-quality components, and innovative technology that makes it easy to monitor the condition of your amp and its tubes. You need to be able to always trust your amp... and we understand that!

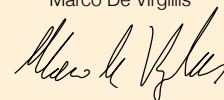
The second is **flexibility**. One example of this is DV Mark's patent pending Continuous Power Control feature (included on our 40W heads and combos), which allows you to adjust the power incrementally, setting the power at anywhere between 1 and 40W. This means you can get the tone you want at the volume you need; so you can use the same amp for everything, from larger gigs, to smaller gigs, right down to bedroom practicing—and never sacrifice your tone!

The third is **light weight**. Many of you have seen your bass players easily loading in and out of gigs with their lightweight Markbass gear, while you struggle with a heavy 2x12 combo or 4x12 cabinet. It's time you enjoyed the same benefits of lightweight gear! Especially if you play a lot, the weight of your gear is a real factor. Once you learn that DV Mark allows you to get killer tone at a fraction of the weight... there's no going back.

We hope you will enjoy your new guitar amp, and we invite you to contact us any time with your comments and questions, at info@dvmark.it.

Thanks again, and good music!

Marco De Virgiliis



FRONT PANEL

1) INPUT Connect your guitar to this input using a standard ¼" shielded instrument cable.

2) 0/-6dB SWITCH This switch pads the input (1) from 0 dB to -6 dB to compensate for higher-output sources, such as guitars with high-output pickups or active electronics.

3) GAIN This knob sets the gain level (on each channel), and is the preamp's most powerful control. It not only determines the amount of drive or saturation (for getting clean, crunch or overdriven sounds, or anywhere in between), but also plays an important role in tone shaping.

4) MASTER This control is the master feed from the end of the preamp channel to the tube power stage. Each channel features its own MASTER control, allowing you to perfectly balance the relative volumes of the three channels, which can have very different sound styles and gain/drive levels. On each, the master control allows you to obtain a wide range of sounds/colours in relation to the gain setting—for example, very low-gain sounds at high volumes, or high-gain sounds at low volumes.

5) PRESENCE The PRESENCE knob (featured only on channel one) controls high frequencies, above those controlled by the High knob. It's an effective and useful part of the channel's tone controls. Turning up the Presence knob gets you a crisp and sparkling clean sound in channel 1.

6) BASS This knob controls the amount of low frequencies in your sound. When you're starting to explore sounds on the amp, avoid boosting the lows too much as this can reduce your attack and muddy your sound. And as the gain is turned up, it's a good idea to lower the bass control somewhat for a more balanced sound (starting with the bass setting at around 12 o'clock).

7) MIDDLE The Middle control regulates the midrange frequencies and is an important part of your tone shaping. The frequency range it boosts or cuts has a big effect on the character of your sound. For a more scoopy tone, lower the mids. Turn the knob up for more focused attack and better pitch definition.

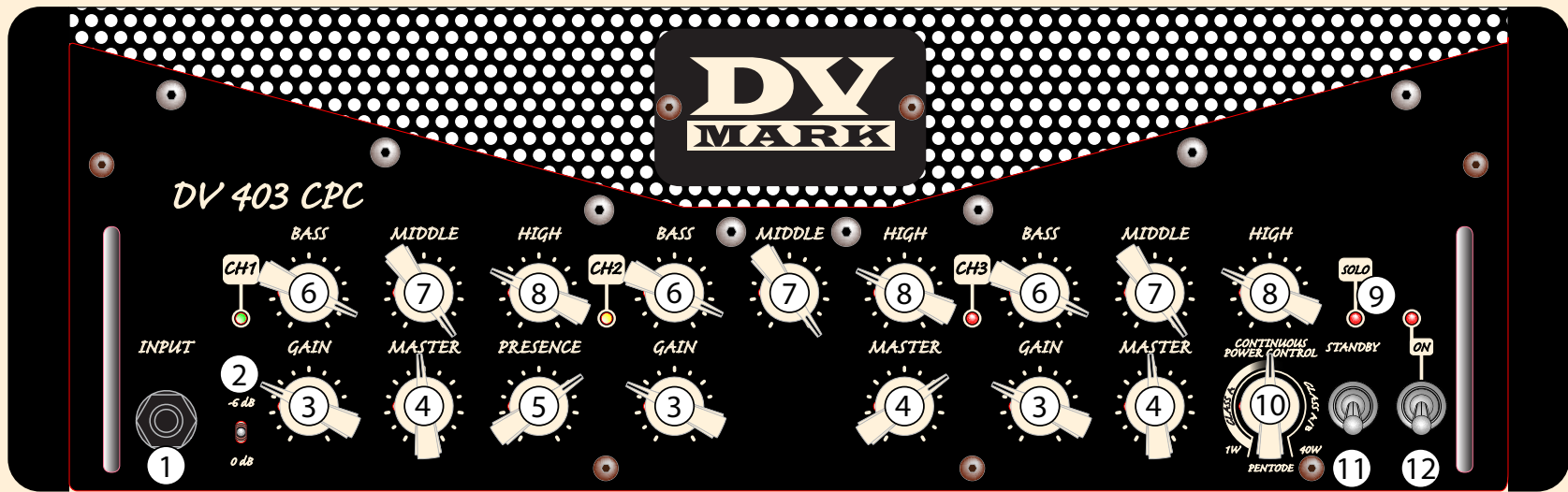
8) HIGH The High knob controls the amount of high frequencies in your sound. It can produce unwanted noise (hiss) or pickup feedback when really cranked, so it's best to avoid extreme settings, especially on channels 2 and 3, due to their higher gain.

9) SOLO This 6 dB boost is activated by either a footswitch or the Smart Controller, and is optimized for notching up your volume for solos during live performance. The SOLO control can only be engaged when the effects loop is active, since it's part of the effects loop circuit.

10) CONTINUOUS POWER CONTROL (CPC) This patent pending feature allows you to control the actual power of the amp, from full power 40W (class A/B) gradually down to 1W (class A). This allows users to get the tone they want at any volume for any musical situation.

11) STANDBY Before powering on, make sure this switch is in standby position. When you turn on the power, the microcontroller waits for the tubes to heat up before turning on the plate voltage. The “power on” LED will flash for 30 seconds before the amp is ready. When the LED stops blinking, flip the standby switch to the ON position. Between sets or whenever you’re on a break from playing, put the amp in standby position (down).

12) POWER 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. Follow the procedure described in the STANDBY section above (12) before powering up your amp.



REAR PANEL

13) SPEAKER OUTS The amp offers the following speaker output jacks for connecting the head to a speaker cabinet or cabinets: one 4 ohm, one 8 ohm and one 16 ohm jack. Verify the impedance of your speaker/s prior to connection, and make sure you are using the correct speaker output/s.

14) PRE OUT/AMP IN The DV 403 CPC features an effects loop for use with outboard effect processors or pedals. Connect the PRE OUT jack to the input of your processor or pedal chain, and connect your effects output to the AMP IN jack.

15) LOOP ASSIGN The Loop Assign knob allows you to assign the effects loop to whichever channel you want, to all the channels, or to none of the channels. You can make this selection in manual mode (using this knob) or by using the SMART CONTROLLER. When you connect the Smart Controller to its dedicated input (17), this rotary knob must be set to ENABLE. In this position, the channel switching and solo boost footswitches are inactive, and all the settings will be managed by the Controller. The Controller automatically recalls the settings you last used before the amp was powered off. For example, if you assign your effects to channel 2 using the controller, and turn off the amp, the next time you turn on the amp and plug in the Controller, the effects will still be assigned to channel 2.

16) CH SELECT This switch allows you to switch channels manually when the Smart Controller is not connected to the amp. Pressing this button advances to the next channel in sequence (1-2-3-1-2-3 etc), and the channel that is active is identified by the indicator LEDs on the amp's front panel.

17) CONTROLLER This stereo input jack is exclusively for the Smart Controller. Other footswitches will not work connected to this input.

18) MIDI IN This input port receives incoming MIDI information from an external MIDI device. The MIDI receive address is set to "0" by default. If your external MIDI device transmits on another address, you can change the default address by holding the CH SELECT (16) switch for about 10 seconds—the unit then enters "Learn Mode" and you can set the new address by pressing any switch on your MIDI pedalboard to initialize the connection to the amp.

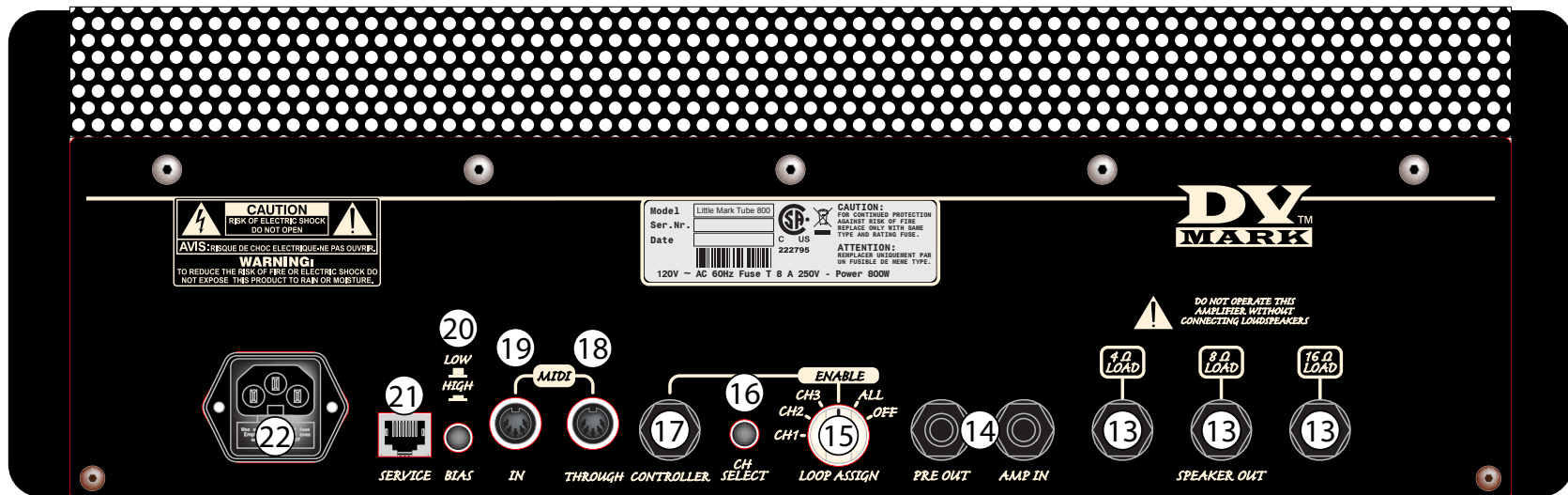
19) MIDI OUT/THROUGH This output jack sends out MIDI messages identical to those coming in through the MIDI IN.

20) BIAS Switch (low/high) Triple 6 can operate in either Low Bias mode or High Bias mode. When this button is pressed in, the power tubes work in High Bias mode; when the button is out, they work in Low Bias mode. In Low Bias mode, the tubes use less power and less 'tube life' is taken out of them. High Bias mode gives top quality and power, and higher-fidelity sound—but the power consumption and dissipation of the tubes increases. In either mode, unlike other tube amplifiers, the Triple 6 is able to greatly prolong the life of its tubes by keeping them

optimally biased at all times.

21) SERVICE The ATCS (Advanced Tube Control System) allows users or service technicians to connect this port to the optional DV Controller interface, for collecting technical data and tube parameters from the amp.

22) AC POWER SOCKET Make sure the unit is grounded; all three terminals of the AC power cord 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.



TECHNICAL SPECS

Power Output (CPC): 1 ÷ 40W

Preamp Tubes: 1x ECC83

Power Tubes: 2x EL34, 1x ECC83

Channels: Three

Controls: Gain - Master - Presence (CH1) - Solo -
Continuous Power Control (CPC)

EQ Controls (each ch): Low - Mid - High (passive)

Speaker Outputs:

-One 4 ohm
-One 8 ohm
-One 16 ohm

Other Features:

-Loop Assign rotary control
-Bias (low/high switch)
-Service ATCS interface (optional)
-MIDI In - MIDI Out/Through ports

Dimensions: 496 x 170 x 260 mm / 19.53" x 6.69" x 10.24"

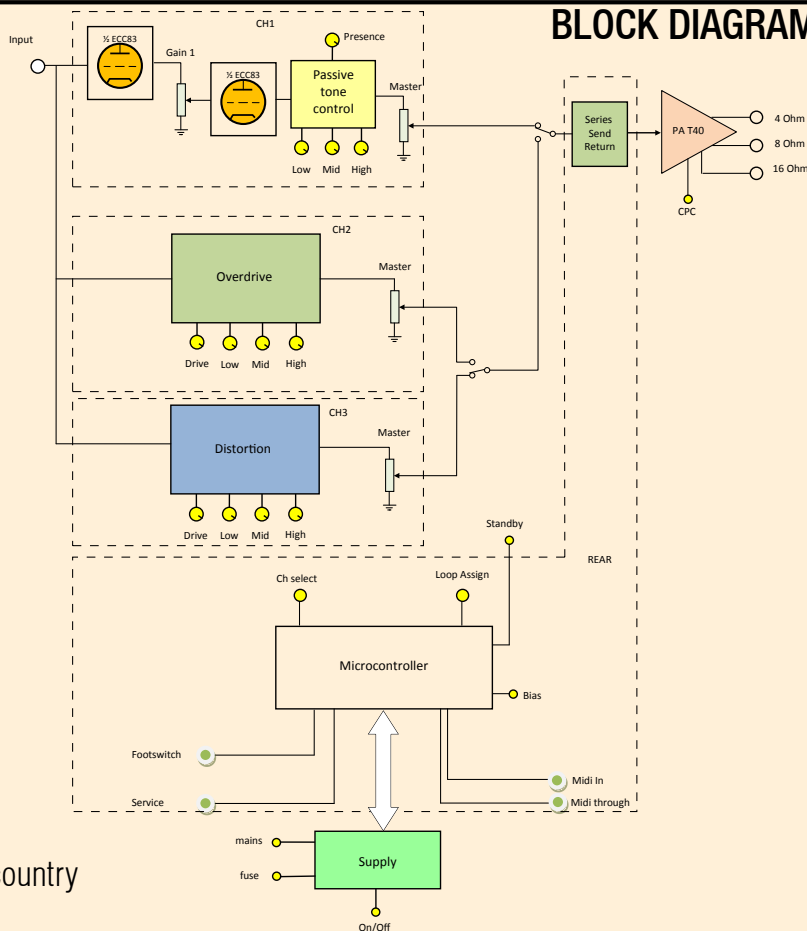
Weight: 8,6 kg / 18.96 lbs

POWER REQUIREMENT: 100V; 120V; 230V; 240V - 50/60Hz

(Voltage is factory preset according to region of sale).

DV Mark amps/combos are manufactured to be sold and used in the country of purchase, and they are factory preset to at country's voltage. Due to homologation issues, the voltage may not be changed.

BLOCK DIAGRAM



LIMITED WARRANTY

LIMITED WARRANTY

DV Mark offers an international limited warranty on DV Mark products purchased from any authorized DV Mark dealer, effective from the day of purchase. The terms of this warranty vary from country to country; please contact the DV Mark distributor in your country for details.

Please register this product online at www.dvmark.it to establish the date of purchase. However, please note that you are required to retain a copy of your receipt as proof of purchase in order to receive warranty service.

This warranty does not apply to any damage to the product caused by misuse, mishandling, accident, abuse, alteration, modification or unauthorized repairs. Product appearance and normal wear and tear (worn paint, scratches, etc.) are not covered by this warranty. DV Mark reserves the right to be the sole arbiter regarding the misuse or abuse of this product. DV Mark assumes no liability for any incidental or consequential damages, which may result from the failure of this product. Any warranties implied in fact or by law are limited to the duration of this express limited warranty. Your legal rights related to the warranty will vary depending on the country of purchase.

WARRANTY CARD

This product is guaranteed by the warranty provided in the country of purchase, under the following conditions:

A - The DV MARK warranty is only applicable if this document been properly completed (here or online) and if the original invoice/bill of sale, mentioning model, serial number and purchase date, is presented together with this document.

B - The obligations of DV MARK are limited to the repair of defects. Warranty repair eligibility will be decided at the sole discretion of DV MARK or its representatives. Freight, freight insurance costs, and any other costs related to the repair of this product are not covered by this warranty.

C - All warranty repairs must be made by DV MARK or an authorized DV MARK (PARSEK) service center.

D - This warranty does not apply in the following instances:

- if the damage was caused by accident, negligence or modifications; use of non DV MARK spare parts; or improper use, installation or packing;
- if the serial number on the equipment is illegible;
- if the damage was caused by lightning, water, fire, incorrect main voltage, insufficient ventilation or any other cause beyond the control of DV MARK.

E - DV MARK reserves the right to redesign or improve/modify its product at any time without any obligation to modify previously manufactured products.

Parsek srl. - Italy - 66020 San Giovanni Teatino (Ch) - Via Po, 52/A Tel. +39 085 446 37 55 - Fax +39 085 440 77 64 - www.dvmark.it - info@dvmark.it

WARRANTY CARD

If any problem occurs, please don't hesitate to contact our support team at service@dvmark.it.

You can fill out this form and send a copy to DV Mark (Parsek srl, Via Po 52, 66020 San Giovanni Teatino, CHIETI ITALY) or, even better, you can now register your warranty online in a matter of minutes, using our online registration form at www.dvmark.it. Simply point, click and type in your information...and you're done!

Registering your warranty identifies you and your product, in case you are ever in need of warranty service. Please note that in order to qualify for warranty service, you must retain a copy of the sales receipt or bill of delivery as proof of purchase.

The information that you provide here will not be shared with any third parties and will be used for DV Mark internal business purposes only.

PRODUCT INFORMATION

Model _____ Serial Number _____

Date of Purchase _____ (mm/dd/yyyy)

DEALER INFORMATION

Dealer _____ Dealer City _____ Dealer Country _____

PERSONAL INFORMATION

Purchased by:

First Name _____ Last Name _____ Your Email Address _____

Address _____ City _____ State/Prov _____

Zip _____ Country _____

Do you want to join our mailing list? ☐ YES ☐ NO

MORE INFO (* not mandatory)

*Age _____ *Sex _____ *Occupation _____

WHERE DO YOU PLAY YOUR INSTRUMENT?

☐ Stage / Performing Musician ☐ School / Student ☐ Classroom / Educator ☐ Home ☐ Studio Recording

WHAT LEVEL OF PLAYER ARE YOU?

☐ Beginner ☐ Amateur ☐ Semi-Professional ☐ Professional

PRODUCT PURCHASED VIA:

☐ Internet ☐ Retail Store

WHAT MOST INFLUENCED YOUR BUYING DECISION? _____



Product specifications are subject to change without notice



Guitar at its Best!



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