CHORUS / FLANGER

OWNER'S MANUAL

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) 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) 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.

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) 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;
10) Utiliser uniquement les accessoires recommendés par le fabricant;
11) Ne pas branché l'appareil en cas d'orage accompagné d'éclairs. Le débrancher en cas de non utilisation prolongée;
12) 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;
13) "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";
14) La prise de courant doit être installée près de l'appareil et doit être facilement accessible;
15) 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). For more technical information, please visit us at www.markbass.it and fill out the form on the Contact Us page. We hope you enjoy your effect pedal 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. CONTENTS

3. INTRODUCTION

Congratulations on your purchase of the Markbass stereo CHORUS FLANGER.

This pedal offers lush chorusing and psychedelic flanging, modifiable in real time using the speed and width controls. The mix control allows you to carefully add effected signal to your dry sound. The easy-to-read display always identifies what effect is being applied. The parameters of the pedal's presets can be modified using the Markbass Pedal Controller software, which is available for download from the pedal's product page on our website at www.markbass.it. Simply install the software, connect the pedal to your computer using a USB cable, modify the presets as desired, and then load them back onto the pedal.

This pedal is not only designed for bass. Thanks to its state-of-the-art component quality and user-friendly software interface, it can be used with any acoustic or electric instruments, in either live or studio applications.
And, like all our pedals, this unit features true bypass: that means that when the effect is 'off', your signal goes directly from the input jack to the output jack without any degradation of audio quality.
This manual will help you get the most out of your pedal. If you have any questions after reading it, please feel free to contact our online customer service department at info@markbass.it.

Thank you again, and enjoy your Markbass stereo CHORUS FLANGER .

4. FUNCTION OVERVIEW

GAIN (1) - Instrument input level control. The clip LED allows you to set the appropriate gain for your instrument's signal level and avoid degradation of your signal quality. To find the optimal level, play at your top intensity and back off the gain control so that the LED rarely turns on.

SPEED (2) - Controls the rate of sweep from 0.1 Hz to 3 Hz.

WIDTH (3) - Controls the width of the produced modulation.

MIX (4) - Controls the mix of dry signal and effected signal.

PRESETS (5) – This switch scrolls through the factory presets (from 1 to 6), changing the preset every time the switch is pressed. Presets are modifiable using the Markbass Pedal Controller software.
To access your Flanger presets, you must have the Chorus/Flanger switch (7) set to Flanger. To access the Chorus presets, you must have the switch set to Chorus. The total number of presets can not exceed six.
True Bypass Switch (6)* - This switch turns the effect on and off (bypass mode). The "on" LED indicates that the effect is activated.

Note: this switch also allows you to restore the pedal to its factory default setting, cancelling all modifications made with the software. To restore the factory default settings, press this button and hold it while you connect the pedal to its power source.
***True Bypass**
When the pedal's controls are 'off', your signal goes directly from the input jack to the output jack without any degradation of audio quality.

CHORUS/FLANGER Switch (7) - Switches between chorus and flanger modes.

DISPLAY (8) -The status display is easy to read and always identifies which effect is being applied.
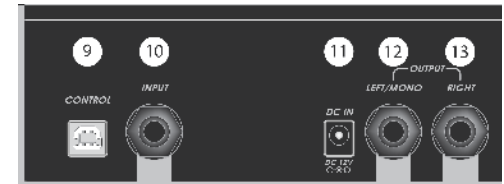
5. CONNECTIONS

1/4" INPUT JACK (10) - Connect your instrument to the input jack. Make sure your amp is off and ensure that the volume is turned down before making connections.

DC IN (11) - External power supply connection: 12VDC (550 mA minimum) PSU.

1/4" OUTPUT JACK LEFT/MONO (12) - Sends the mono effect signal or, when both outputs are connected, the left channel of the stereo output signal.

1/4" OUTPUT JACK RIGHT (13) - Sends the right channel of the stereo output signal.

CONTROL (9) - The USB connection allows you to modify the parameters on your computer using the downloadable Markbass software (www.markbass.it in the product page), and then store your favourite settings in the pedal to have them at your disposal whenever you need them!

LIMITED WARRANTY

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

Please register this product online at www.markbass.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. Markbass reserves the right to be the sole arbiter regarding the misuse or abuse of this product. Markbass 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 MARKBASS 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 MARKBASS are limited to the repair of defects. Warranty repair eligibility will be decided at the sole discretion of MARKBASS 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 MARKBASS or an authorized MARKBASS (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 MARKBASS 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 MARKBASS.

E - This warranty is not applicable to any speaker that has been subjected to power in excess of that for which it has been designed.

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

WARRANTY CARD

We'd like to thank you for choosing a Markbass product.

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

You can fill out this form and send a copy to Markbass (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.markbass.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 receipts 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 Markbass 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?

_____

_____

6. MARKBASS PEDAL CONTROLLER SOFTWARE

To customize your Chorus Flanger pedal, simply download and install the software on your Mac or PC computer, and connect your pedal to the computer using a standard USB cable. Launch the software, click on "CONNECT" button and wait for connection. The software gives you more control over the presets than the pedal itself does… so you can completely customize your sounds in real time and save up to six presets to suit your needs perfectly. Future updates of the Markbass Pedal Controller software may be downloaded for free from this pedal's product page on the Markbass website (www.markbass.it) as they become available. Please stay tuned!

Although the Chorus Flanger pedal performs some pretty complex technical feats, Markbass has designed the user interface to be as simple and easy-to-use as possible!

SPEED: Controls the rate of the sweep (same as the pot on the pedal).
WIDTH: Controls the width of the effect's modulation. In order to prevent excessive detuning, adjusting the width also affects the speed: as you increase the width, the speed slows.
CHORUS/FLANGER: Both chorus and flanger presets can be modified and stored.
LOW CUT: This hi-pass filter, applied exclusively to the effected signal (cutting between 32 Hz and 576 Hz), helps you achieve a more focused sound by limiting the effect to your high end only.
HIGH CUT: This low-pass filter allows you to filter out the range between 1 kHz and 16 kHz. Using this filter gives you a warmer, darker effected sound. The filter applies only to your effected signal, leaving your dry signal full range.
WAVEFORM: Allows you to switch between Sine and Triangle waveform modulation.
AUDIO: This switch allows you to make your effects either mono or stereo.
CHORUS COLOUR: This parameter allows you to change the timbre of the effect, by altering the delay time and frequency.
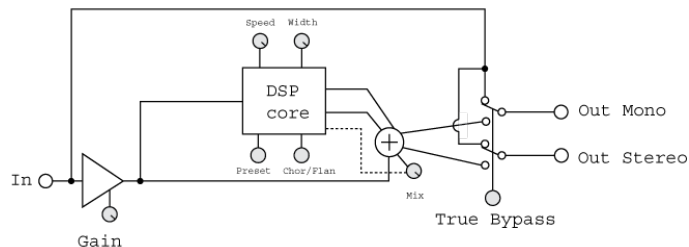**FEEDBACK:** (only available in flanger mode) Controls the effect's resonance.
FEEDBACK COLOUR: (only available in flanger mode) Changes the resonance type from negative to positive.
GRAPHIC EQ: This 8-band graphic EQ allows you to fine-tune the overall equalization of your effected sound (it's applied only to the effected signal).

7. TECHNICAL SPECS

INPUT:	1x ¼" mono jack
INPUT IMPEDANCE:	200 Kohm
OUTPUTS:	2x ¼" mono jack (mono L , stereo L+R)
PRESETS:	6 (user modifiable)
GAIN:	-10 ÷ +16dB
SPEED:	0.1 ÷ 3 Hz
WIDTH:	0 ÷ max
MIX:	dry ÷ dry + wet
POWER REQUIREMENTS - DC INPUT:	+12 Vdc 550 mA minimum
DIMENSIONS:	170 x 145 x 60 mm
	6.7" x 5.7" x 2.4"
WEIGHT:	730 g / 1.61 lbs

8. BLOCK DIAGRAM