



FINE
TUNE
YOUR
TONE



105 Series

105 Head
105-10" combo
105-12" combo

Users' Manual

Release June 2008

Please read this manual carefully before using the amp

Introduction

Congratulations for choosing the new **105** series amp from The Valve. It gives us great pleasure to welcome you as a member of The Valve family. A growing number of guitarists living in small homes or apartments and/or work in smaller sized recording studios, needing great tube amp tone at lower volumes all over the world, have been asking the same question: "Why don't any of the big amplifier companies make a small tube amp that actually sounds good ?"

THE VALVE aimed to solve this and design a smaller 100% tube amplifier that utilized unique features to finally give guitarists the world over the product they have been asking for... Huge stack-like tone at practical volumes!

The **105** is a 5 watt amplifier that incorporates the preamp design based upon one of the most legendary rock guitar amplifiers ever produced in the early 1970 and it is able to achieve 100% full blast tube tone at low volumes operate from its full 5 watts of output power down to 1/20th watt with virtually no discernable change in tone.

By reading this instruction manual you will discover how, with just a little bit of maintenance and care, this amp will give you great enjoyment for many years to come.

Warnings



The lightning flash with an arrowhead symbol within a triangle is intended to alert you about the presence of an un-insulated "dangerous voltages" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to users.

105 Series

5W Amplifier *with Power Scaling*

Table of Contents

Introduction _____	page 2
Packaging an Safety Information _____	page 4
Front Panel _____	page 5
Rear Panel _____	page 6
General Operating Instructions _____	page 7
Specifications _____	page 8
Warranty _____	page 9
Disclaimer _____	page 12

Packaging Information

On receipt of the package, please check it carefully to ensure that it has not sustained damage during transit and that there are no missing parts. We recommend that you retain the packaging material should you need to ship or carry the amp from one place to another.

Before Using the Amp

- 1) check that the power outlet is grounded before turning the amp on
- 2) before turning the amp on, make sure that the power supply specifications on the back panel conform to the supply where you intend to use the amp
- 3) do not expose the amp to moisture, direct sunlight, water or high temperatures
- 4) always use replacement tubes of the same type and rating
- 5) remove the plug from the socket before replacing a fuse
- 6) protect your hands when handling hot tubes
- 7) servicing should only be carried out by qualified technicians
- 8) never plug the amp into an ungrounded socket
- 9) before use, give the amp time to acclimatize to the environment in which you intend to use it
- 10) keep the amplifier away from children.

Prolonged exposure to sound at high volumes may result in damage to the ears and/or hearing loss.



Caution!

Never attempt to open the chassis yourself. Only qualified service technicians should open the chassis. Do not introduce any foreign object into the jacks. E2 group device according to CEI EN 55103-1 EN 55103-2, following EMC classification.

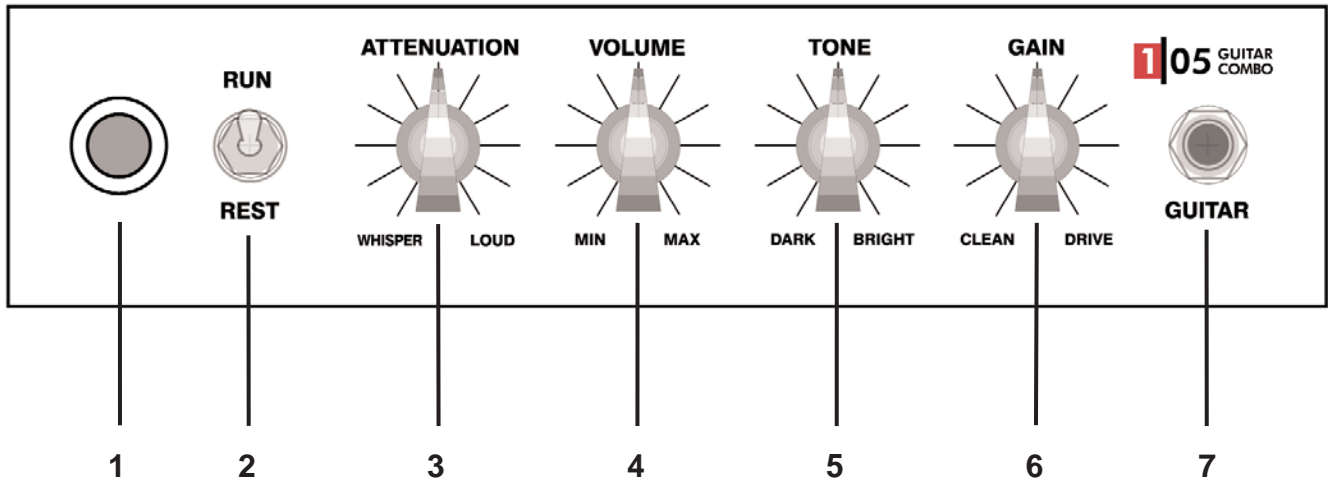
Please fill in the following information for warranty purposes and future reference:

Model : The Valve **105 -10"** Combo
The Valve **105 -12"** Combo
The Valve **105 Head**
Serial number :
Dealer's address :
Dealer's name :
Date of purchase :

Engineered by:
TBE S.r.l.
Via della Tecnica 51/b
40068 San Lazzaro di Savena (Bo)
Italy
Ph: +39 51 6258433
Fax: +39 51 6257784
Email: info@the-valve.com
Web: <http://www.the-valve.com>

Front Panel View

Note: the **105** head and **105** combos front panel features the same controls except they are reverse mounted.



(1) Power On Indicator Light

The red light is illuminated when the amp is switched on.

(2) Run/Rest switch

This is the main on/off switch for the amp. The **105** features a special circuitry which does not require a “stand by” switch.

(3) Attenuation (Power Scaling control)

This special control, called “Power Scaling”, allows the amplifier’s tube voltages to be adjusted proportionally to achieve volume attenuation without change of tone.

(4) Master Volume

This works like a conventional Master Volume you may have seen on other tube amps. It can be used to control the volume of the amp and will produce a different sound than using the ATTENUATION.

(5) Tone Control

A specially and carefully designed single TONE control that allows the player to get a wide range of classic guitar tones.

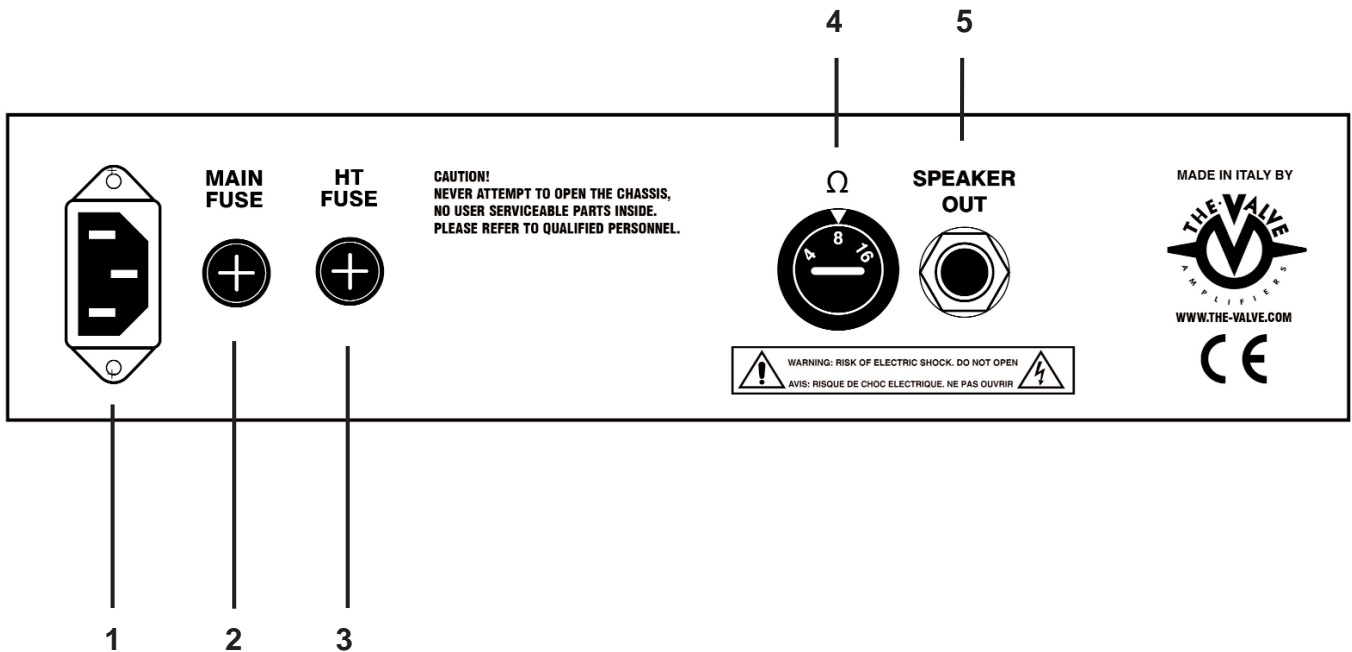
(6) Gain

This controls the amount of input gain applied to the guitar signal. In combination with the VOLUME and ATTENUATION controls, this GAIN control can be used to dial in a wide variety of tones from clean to crunchy. For those needing super hi-gain tones, the use of an overdrive or distortion pedal is advised.

(7) Input Jack

Plug in guitar here. You can also use your favorite Overdrive or Distortion pedal in series with your guitar before plugging in here for extra gain.

Rear Panel View



(1) AC Socket

Connect the supplied AC cord here.



(2 - 3) Fuses

The Main fuse protects the amp from damage in case of power tube failure or external AC fluctuations. The HT fuse protects the high-voltage part of the circuit. If a fuse blows, it is extremely important to replace it with another fuse of the same type and rating. To prevent any risk of electric shock, it is recommended that you disconnect the power cord before replacing the fuse. If the fuse blows repeatedly, take your amplifier to your dealer or to a technician for servicing.

(4) Impedance Selector Switch

Select 4, 8 or 16 ohm impedance. Always remember to select the impedance according to the cabinet you are using.

(5) Speaker out

Any cabinet loading 4/8/16 ohm can be connected to the speaker out.

General Operating Instructions

Make sure that all controls are set to zero. Turn on the amp using the Run/Rest switch on the front panel. After about 30 seconds, when the tubes are sufficiently warm, the amplifier is ready for use.

Connect now your guitar's chord into the input jack on front panel. Twist the Attenuator control and the Volume knob to their maximum setting, set the Gain and tone Tone controls at 3 o'clock and and PLAY!

Your new **105** amplifier features very sophisticated circuitry called "Power Scaling". This is one of the key controls which allows the 105 to achieve it's large tone and low volumes. This can be thought of as the **105**'s unique way of controlling the overall volume of the amplifier even when the VOLUME and GAIN controls are run at full volumes for maximum crunch and sustain.

Running the Volume at max and lowering the Attenuation control down to the "Whisper" position reduces the volume while the Power Scaling incorporated circuitry increases the distortion by clipping the power amp allowing you to achieve full blast stack tube tone at "whisper" levels. This is our favorite way of using the **105** for great tones since the power tube and output transformer contribute to the sound.

Running the ATTENUATION at MAX and using the VOLUME to control overall level, allows the 105 to operate more like a normal tube amp. Lowering the Volume control also helps decreasing the amount of clipping introduced by the Attenuator control at its minium settings (Whisper). This is also useful for getting good clean sounds with the **105**.

Use the Tone control to achieve the sound you want. A brighter sound is achieved the more you crank to the right. Many of the best sounds are found in the 12 - 4 o'clock positions.

Specifications

Input impedance: 500K

Output impedance: selectable, 4/8/16 ohms

Preamp tubes: 1 x ECC83 (V1), 1 X 12AX7WB (V2)

Output tubes: 1 x JJ Tesla E34L (V3)

Tube voltage: 310 volts DC

Output power: 5W, Class A.

THD: 1,5%

Operating voltage: please see label on rear panel

Fuses: please see label on rear panel

Power consumption: 68VA

Shell material: birch plywood

Sizes:

105 head: width 35 cm, height 23 cm, depth 19 cm. Weight: Kg 7.

105-10" combo: width 40,5 cm, height 39 cm, depth 27,5 cm. Weight: Kg 11.

105-12" combo: width 43,5 cm, height 43 cm, depth 30 cm. Weight: Kg 16.

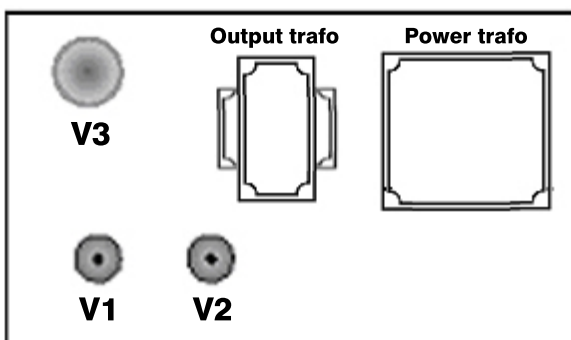
Operating temperature range: 0° to 40°

Storage temperature range: -10° to 60°

Storage average relative humidity range: 10/90%

Operating average relative humidity range: 30/80%

Tubes Layout



Warranty

Thank you for purchasing a product from THE VALVE. We are sure that you will be more than satisfied with your choice. Should your amplifier need in-warranty servicing, please contact the dealer where it was purchased or, alternatively, contact THE VALVE directly. In order to avoid any unnecessary inconvenience, we recommend that you read through your warranty carefully before contacting your dealer or our authorized service department.

Your Warranty

THE VALVE hereby guarantees that the product will remain free from defects of materials and workmanship for a period of 2 (two) years from the date of purchase. In order to receive warranty service, you should provide proof of retail purchase. The tubes are not covered at all under the terms of this warranty, while the speakers are covered for a period of 90 days from the date of purchase.

- 1) This warranty will be considered valid only when the original invoice or sales receipt (indicating the date of purchase, product type and dealer's name) is presented together with the defective product.
- 2) The cost of transporting the product to the service center will not be covered unless specifically stated otherwise in this warranty.
- 3) This warranty does not cover:

- a) adjustments to customer-operated controls as shown in the model's instruction manual, or products that have been altered or replaced, or products on which the serial number has been removed or is illegible.
- b) the physical appearance of accessory items including, but not limited to, cabinet parts and knobs.
- c) the unpacking, setting-up, installation or removal and reinstallation of products under repair.
- d) any loudspeaker drivers that have been damaged due to exposure to excessive heat, or physical damage such as moisture, rips, tears, shock or transportation.
- e) repairs or replacements necessitated by any cause beyond the control of THE VALVE, including, but not limited to, modifications or adjustments made to the product without authorization, such as the use of damaged or broken tubes, incorrect line voltage, inadequate maintenance, modification or repair by the user, abuse, misuse, neglect, accident, fire, or any other cause beyond the control of THE VALVE.

4) Warranty service is only available by contacting an Authorized Repair Service or by returning the unit to THE VALVE or to a distributor with prior authorization. The Valve Amplifiers will not accept any goods that have been returned without authorization. If your product is still under warranty, you must contact (in writing) the distributor or dealer where you purchased the product and, once the dealer gives you authorization for the goods to be returned, THE VALVE will organize shipping and pay the costs directly.

For any info, please call:

THE VALVE AMPLIFIERS

C/o TBE S.r.l.

Ph: +39 51 6258433

Fax: +39 51 6257784

Email: info@the-valve.com

DISCLAIMER

Some countries, states, and provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in the extent to which they apply to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights that may vary depending on local law. If you have any questions about this warranty or service received or if you need assistance in locating an Authorized Service Center, please contact:

THE VALVE

Engineered by:

TBE S.r.l.

Via della Tecnica 51/b

40068 San Lazzaro di Savena (Bo)

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Email: info@the-valve.com

Web: <http://www.the-valve.com>.

Features and specifications subject to change without any notice.

DICHIARAZIONE DI CONFORMITA' DECLARATION OF CONFORMITY

Nome del fabbricante: <i>Manufacturer's name:</i>	
Indirizzo: <i>Manufacturer's address:</i>	Via della Tecnica 51/b 40068 S.Lazzaro di Savena - BOLOGNA ITALY
Distribuito da: <i>Distributed by:</i>	 Via della Tecnica 51/b 40068 S.Lazzaro di Savena - BOLOGNA ITALY
dichiara che il seguente prodotto: <i>declares that this product:</i>	
Modello <i>Model:</i>	Amplificatore 105
Funzione specifica: <i>Specific function:</i>	Amplificatore per chitarra elettrica da 5Watts, 1 canale <i>(5 Watts 1 channel Guitar Amplifier)</i>
<p style="text-align: center;"> è conforme ai requisiti essenziali delle Direttive Comunitarie 73/23/CEE, 93/68/CEE e successive, relative alla Sicurezza Elettrica e alla 89/336/CEE e successive, relativa alla Compatibilità Elettromagnetica, in riferimento alle seguenti normative armonizzate applicate: <i>is consistent to essential requirement according to ECC Directive, in reference to the following standards:</i> </p>	
CEI EN 55103-1 (1008) Compatibilità elettromagnetica - Norme di famiglie di prodotto per apparecchi audio, video, audiovisivi e di comando di luci da intrattenimento per uso professionale Parte 1: Emissione CEI EN 55103-2 (1008) Compatibilità elettromagnetica - Norme di famiglie di prodotto per apparecchi audio, video, audiovisivi e di comando di luci da intrattenimento per uso professionale Parte 1: Immunità CEI EN 60065 (2004) Apparecchi audio, video ed apparecchi elettronici simili - Requisiti di sicurezza	
Bologna, Dicembre 2004	
	Firma del Legale Rappresentante, distributore, importatore, RQ (Quality Manager) Mr. Moretti Maurizio



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