



FINE  
TUNE  
YOUR  
TONE



## **2/50 Series Head Users' Manual**

Release May 2006

Please read this manual carefully before using the amp

## Introduction

Congratulations for choosing the 2/50 Head. It gives us great pleasure to welcome you as a member of The Valve family. We will be delighted to thank you for placing your trust in us by providing you with reliable, always-available support to allow you to really tap the potential of this extraordinary amp head.

One of the major challenges faced by any maker of musical instruments is how to allow musicians to reproduce the precise sound they have in mind. As a guitarist, you should always - whether in the studio or on stage - be in a position to reproduce your personal sounds, the ones that you've been working hard to refine and develop in your head. As musicians and amp makers, our mission is simple: to provide you with products that, once the gig is under way, you will never have to turn away from the audience to adjust.

Amplifiers from The Valve are designed to provide you with the map to your sound. The front and rear panels display tonal capacity only. 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.

# 2/50 Head

## *2 Channels Amplifier*

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## 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.**

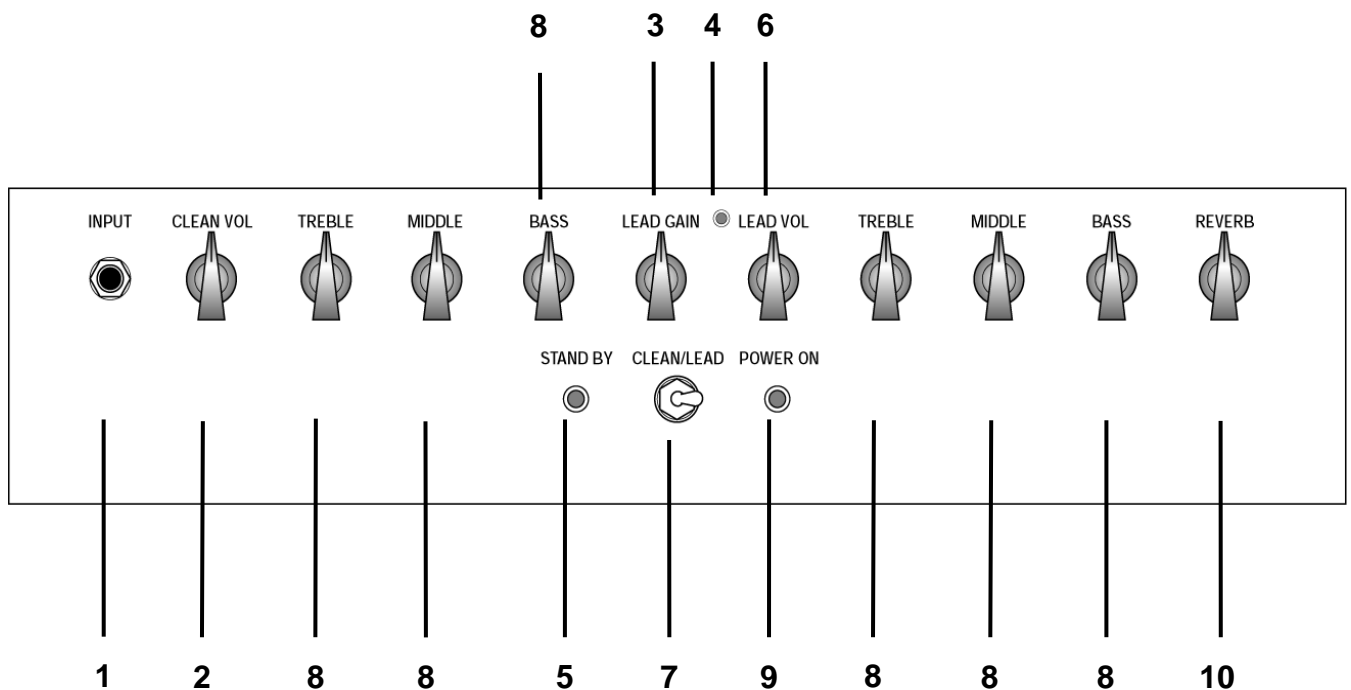
**Please fill in the following information for warranty purposes and future reference:**

Model : The Valve 2/50 Guitar 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  
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Email: [servicing@the-valve.com](mailto:servicing@the-valve.com)  
Web: <http://www.the-valve.com>

## Front Panel View



### (1) Input Jack

Accepts low- and high- input (such as active pickup) levels.

### (2) Clean Volume

Controls the output level of the Clean channel.

### (3) Lead Channel Gain

These are used to control the amount of gain of the Lead channel. Turn this control clockwise until the desired amount of overdrive is produced.

### (4) Lead Channel Selection Led

These LED lights up when the Lead channel is selected.

### (5) Stand By Led

This LED lights up when the Stand By is switched on. The amplifier is equipped with a timer that starts functioning only when the tubes are sufficiently warm. This lapse of time is indicated by the flash of this led.

### (6) Lead Volume

Controls the output level of the Lead channel.

### (7) Channel Selection Switch

Use this switch to select Clean or Lead channel.

### (8) Tone Controls

Bass, middle and treble controls designed to give maximum tonal variation.

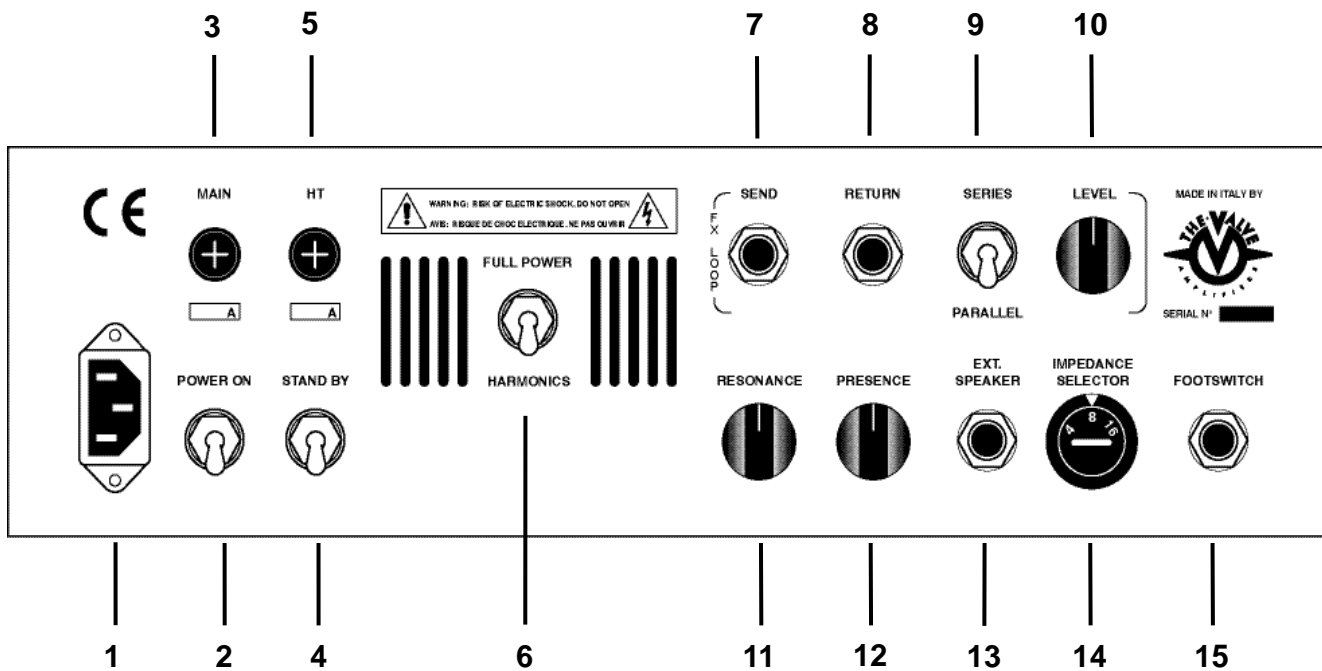
### (9) Power On Indicator Light

The red pilot light will illuminate as the amp is turned on.

### (10) Reverb Control

Sets the reverb level.

## Rear Panel View



### (1) AC Socket

Connect the supplied AC cord here.



### (3 - 5) 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.

### (2) Power On Switch

The master on/off switch for the amp.

### (4) Stand By Switch

This switch mutes the amp by switching off the high-voltage circuitry while allowing the tubes filaments to remain warmed up and ready for immediate use. Switching to Standby when you won't be playing for some time helps to increase the life of the tubes.

#### **(6) "Full Pwr" and "Harmonics" Switch**

This switch determines the overall output power of the amplifier. In the "Full power" position, the two output tubes work in pentode mode and the amplifier is generating maximum power. In the "Harmonics" position, the output tubes work in Triode mode and power is reduced by approximately 30%. This function can prove very useful in recording studios or small clubs where less power may be what is required. The low-power setting also produces its own distinctive tone and is worth exploring fully.

#### **(7) Send Jack**

Connect this jack to the input jack of your effects unit.

#### **(8) Return Jack**

Connect this jack to the output jack of your effects unit.

#### **(9) Series/Parallel Selector**

Use this switch to select the series or parallel FX Loop mode. For more information on the FX loop function, please refer to the relevant section on page 8.

#### **(10) Level**

In parallel mode, this knob allows you to control the balance of the direct and processed signals being sent to the cabinets. Turn clockwise to add more processed signal. Turn counter-clockwise to add more of the dry signal.

#### **(11) Resonance Control**

This control adjusts the low frequency response of the amplifier on both the crunch and Lead Channels.

#### **(12) Presence Control**

This control adds definition and brilliance to the sound of the amplifier on both the crunch and Lead Channels.

#### **(13) External Speaker Jacks**

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

#### **(14) Impedance Selector Switch**

Select 4, 8 or 16 ohm impedance. Use this switch to match your amp impedance to the cabinet(s) you are using. When connecting two 8-ohm cabinets, remember to set the switch to 4 ohms, whereas, when using two 16-ohm cabinets, set the impedance to 8 ohms.

#### **(15) Foot-switch Connector**

Connect the supplied foot-switch here to remotely switch the channels and reverb. **Please remember that inserting the foot-switch automatically excludes the selection switch on the front panel.**

## General Operating Instructions

Plug the speaker cord (supplied with the unit) into the Speaker 1 output. Check the ohm impedance load of the cabinet you are going to use and adjust the impedance selector switch on the rear panel of the amp accordingly. Make sure that all controls on both channels, **including Presence and Resonance on rear panel**, are set to the 12 o'clock position. Set Clean Channel and Lead channel volumes to zero. Turn on the amp using the Power On switch on the rear panel. Wait about one minute and then turn on the Stand By switch on the rear panel. The amplifier is equipped with a timer that starts functioning only when the tubes are sufficiently warm. This lapse of time is indicated by the flash of this led.

We suggest the use of the supplied foot-switch to select channels. To do this please connect the supplied foot-switch to the foot-switch input on the rear panel. **Please note that inserting the foot-switch automatically excludes the selection switch on the front panel.**

Connect now your guitar's chord into the input jack on front panel. Every time the amp is turned on, it will automatically select the Clean channel. Twist the Clean channel Volume knob to the 9 o'clock position and PLAY!

Your new 2/50 Head features very sophisticated tone circuitry that makes it possible for you to produce an array of customized sounds. Use the tone controls to achieve the sound you want. We recommend that you refrain from applying extreme tone equalization settings.

Adjust the Presence and Resonance controls on rear panel and add the desired level of bottom end and brightness to your sound.

Now please select the Lead channel, either by switching the relevant button once or using the foot-switch. Twist the Volume knob to the desired position. Adjust the tone controls to achieve the desired effect, just as you did with the Clean channel. You can also customize the amount of overdrive by turning the gain control.

Remember, while playing at high volume levels, lowering the bass control may improve note definition and increasing the treble and mid controls may help to project the sound further and cut through the groove. Increasing the Resonance control while playing at low volumes, may help to add punch to the overall tone of your amp.

## Using the Fx Loop

First, you have to decide whether to use a series or parallel effects loop connection. The difference between the two effects is that, in series mode, the signal going from your guitar through the amp to the cabinets is subject to the quality of the effect, whereas - in parallel mode - the original sound of your amp reaches the cabinets intact, meaning that the quality of the effect is not compromised in any way.

Proceed as follows:

If you want to use the parallel effects loop connection, select only the wet signal on the effects unit. Now use the Level knob to mix the level of the processed signal to the original sound of your amp. If you want to use the series effect loop connection, set the switch to series and select the desired mix of wet and dry signal on the effects unit.

## Specifications

Input impedance: 500K

Output impedance: selectable, 4/8/16 ohms

Effects Loop Send Output impedance: 280K

Effects Loop Return Input impedance: 10K min

Preamp tubes: 3 x Sovtek 12AX7WA (V1, V2, V3)

Output tubes: 2 x Svetlana selected EL-34 (V4, V5)

Tube voltage: 450 volts DC

Output power: 45W. Harmonics: 30W

THD: 1,5%

Operating voltage: please see label on rear panel

Fuses: please see label on rear panel

Shell material: birch plywood

Power consumption: 100VA

Sizes: height 32 cm, width 52,5 cm, depth 26cm

Weight: 16 kg

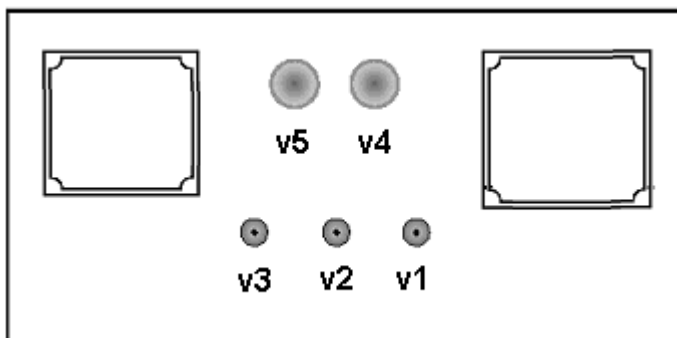
Operating temperature range: 0° to 40°

Storage temperature range: -10° to 60°

Storage average relative humidity range: 10/90%

Operating average relative humidity range: 30/80%

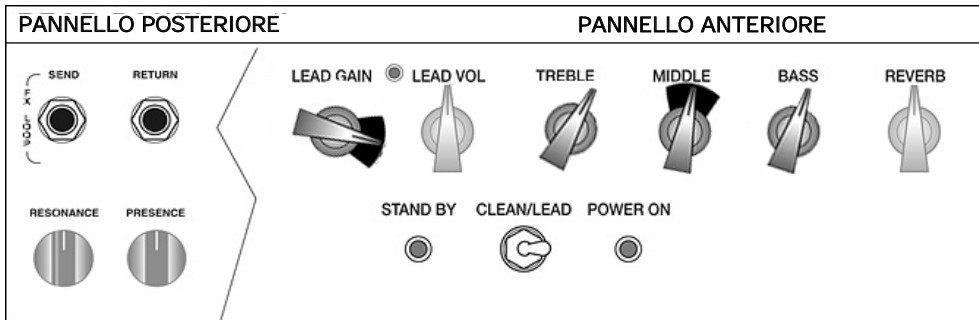
## Tubes Layout



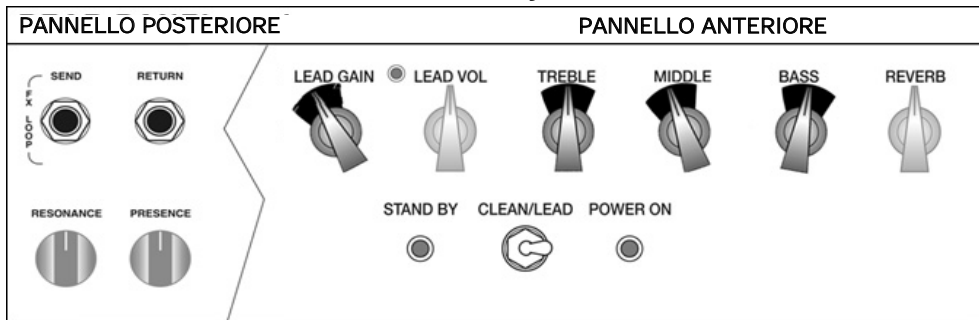
# Lead channel tone settings

Please adjust Resonance and Presence control on the rear panel according to your taste.

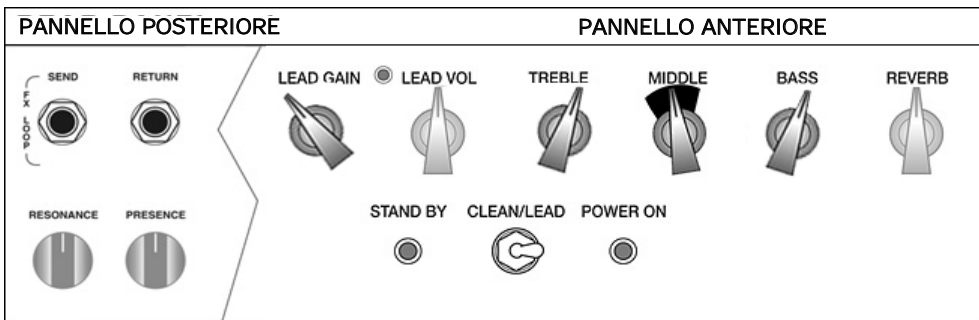
## Rock lead



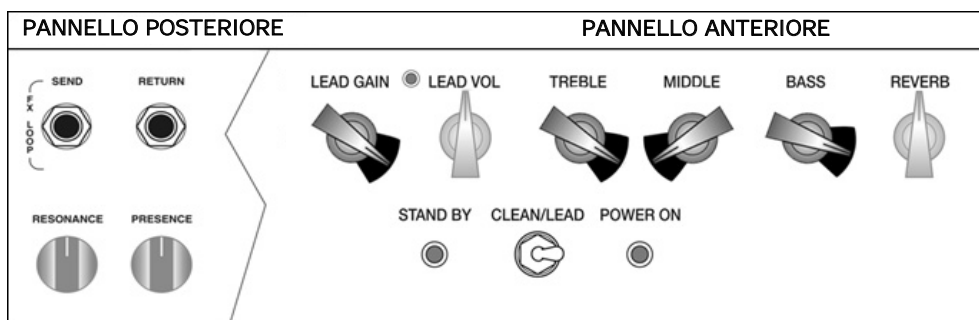
## Rock rhythm



## Blues



## Metal



## 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**

Ph: +39 51 6258433

Fax: +39 51 6257784

Email: [servicing@the-valve.com](mailto:servicing@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)

Italy

Ph: +39 51 6258433



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Email: [info@the-valve.com](mailto: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 40088 S.Lazzaro di Savena - BOLOGNA ITALY
Distribuito da: <i>Distributed by:</i>	 Via della Tecnica 51/b 40088 S.Lazzaro di Savena - BOLOGNA ITALY
dichiara che il seguente prodotto: <i>declares that this product:</i>	
Modello <i>Model:</i>	COMBO 250-2
Funzione specifica: <i>Specific function:</i>	Amplificatore per chitarra elettrica da 50 Watts, 2 canali con 2 altoparlanti (50 Watts 2 channels Guitar Amplifier with 2 speakers)
<p>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:</p> <p style="text-align: center;"><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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