

# TRIPLE ONDA

[www.tripleonda.com](http://www.tripleonda.com)

## TOP.S Series

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## User guide TOP.S 26A



## TRIPLE ONDA,

30 years designing, manufacturing and dealing

### **TRIPLE ONDA LAUNCHES A NEW PRODUCT RANGE: TOP.S SERIES**

Triple Onda launches a new product range, called TOP.S Series, designed to cover medium and little events.

New TOP.S Series cabinets are build-in amplified and processed for professional performance. As usual, all Triple Onda's products follows the same philosophy: high quality design, robust and unusual products for all the professionals who live on the live sound every day.

## 1. INTRODUCTION

### **1.1. General**

**TRIPLE ONDA S.L.** would like to thank you for your confidence in our **TOP.S Series** cabinets.

A gathered experience of more than 30 years designing acoustic cabinets and amplifiers, applying most advanced analysis devices, has allowed to **TOP.S Series** become the optimal and ideal solution for fixed installations and especially for live events. TOP.S Series' **lightness, quality, power, and reliability** will not fail to surprise!

We suggest you to carefully read the following instructions in order to obtain the best results in performance.

### **1.2. Safety Instructions**

1. All the safety and operation instructions should be read before this product is operated.

2. The exclamation point within an equilateral triangle is intended to alert the user of the presence of internal components whose substitution may affect safety.



3. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of uninsulated dangerous voltage that may constitute a risk of electric shock to persons.



4. This product should not be exposed to rain or moisture. Do not use it, for example, near a

swimming pool, water fountain or any liquid sources.

5. Clean only with a dry cloth.

6. This product should be situated so that its location does not interfere with its proper ventilation.

7. Do not install near heat sources such as radiators or other devices which produce heat.

8. This equipment should be serviced only by qualified service personnel when:

- ✓ The power-supply cord or the plug has been damaged; or
- ✓ Objects have fallen, or liquid has spilled; or
- ✓ This product does not appear to operate normally; or
- ✓ This product has been exposed to rain; or
- ✓ The chassis is damaged.

9. Unplug this product during lightning storms or when unused for long periods of time.

10. Do not suspend the cabinet from the handle.

## 2. TOP.S 26A OPERATING INSTRUCTIONS

### **2.1. Connections**

**1-GAIN:** Adjust LINE Input level.

**2-INPUT:** Balanced signal XLR:  
1= Shield 2= Live 3= Return

**3-LINK:** XLR connector used for paralleling several units, which will share the same input.  
1= ----- 2= Live 3= Ground

**4-FUSE:** protection fuse

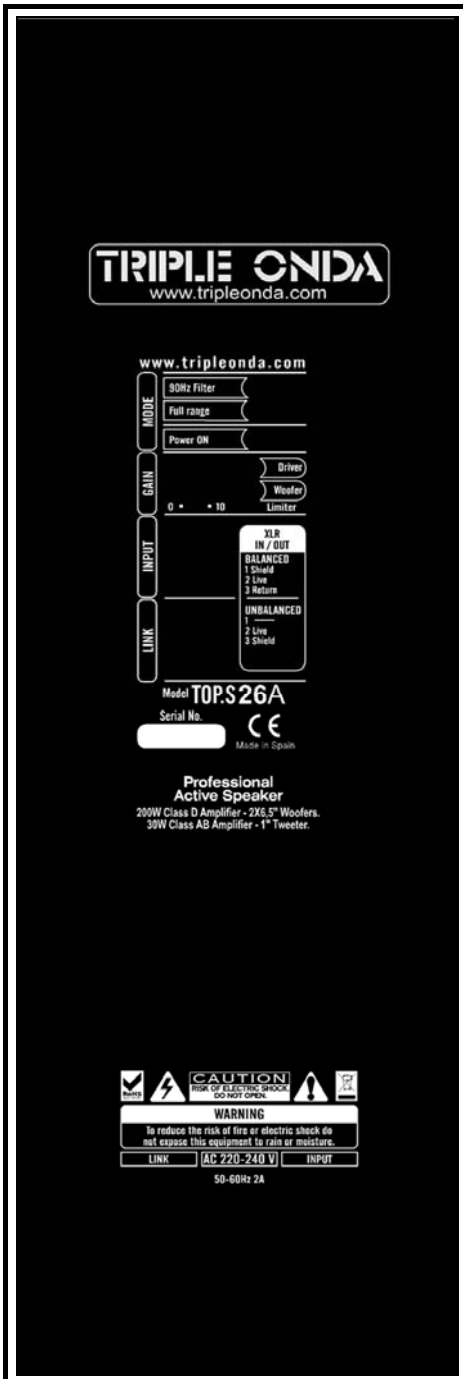
**5-MODE SWITCH :**

Full Range / 90 Hz High Pass Filter

**6-LIMITER:** Prevents the amplifier outputs from overdriving the transducers. When the LIMITER indicators are active, they are in red colour. The LIMITER indicators can be in red occasionally, but if they are continuously activated, turn down the level control until the LIMITER indicators are only in red occasionally.

**7-LINK (MAINS) :** Output AC PowerCon to feed a secondary cabinet

**8-INPUT (MAINS):** Input AC PowerCon connector.

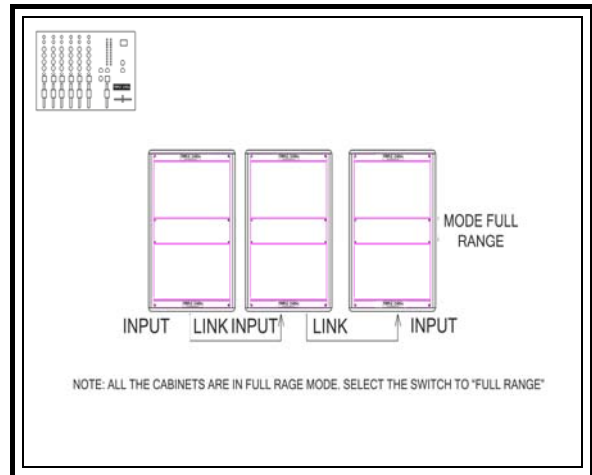


## 2.2. Configurations

### 2.2.1. Daisy chaining connection

You may daisy chain as many units as required. Plug into the INPUT of the first unit (from a Mixer's output). Then connect the LINK output (first unit) to the INPUT of the second unit, and so on. All of the units in the chain should be switched on.

Place the **MODE** switch to the **FULL RANGE** position if no subwoofer reinforcement is present.



### 2.2.2. Connection with a passive subwoofer

Plug into the INPUT of the cabinet (from a Mixer's output) and then use the LINK output to carry the signal to the input of an amplifier, which will drive the passive subwoofer.

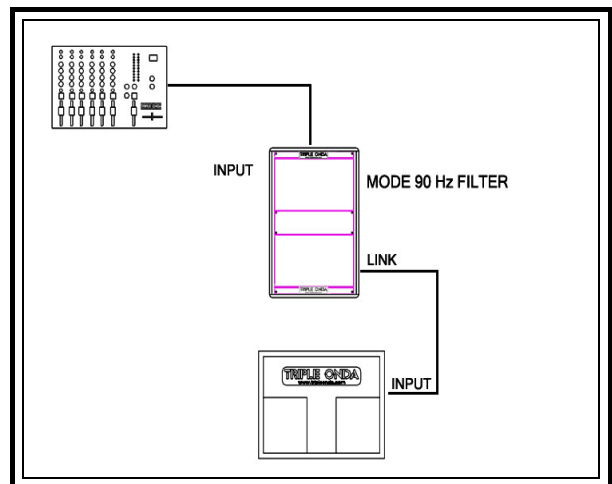
Place the **MODE** switch to the **90Hz FILTER** position.

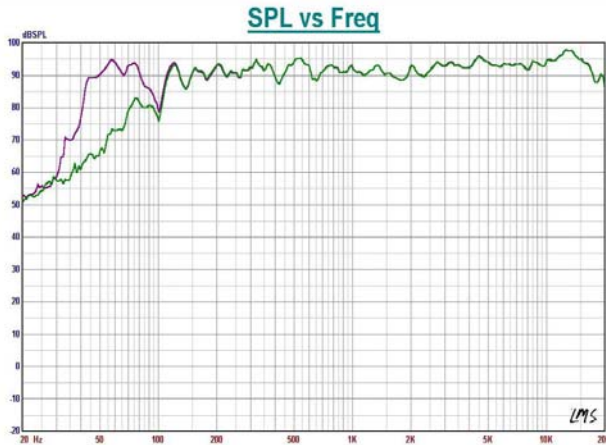
### 2.2.3. Connection with an active subwoofer

Plug into the INPUT of the cabinet (from a Mixer's output) and then use the LINK output to carry the signal to the input of the active subwoofer.

Place the **MODE** switch to the **90Hz FILTER** position. The low frequency energy from the Full Range cabinet will be cut and the overlap between both cabinets will be done in a perfect way.

The levels of the subwoofer and the Full Range cabinet can be adjusted through the Gain potentiometer as you like.





### 2.3. Technical features

TOP.S 26A	
Line Input XLR (BALANCED)	1,5V-10 kΩ
Mains	230V +/- 10%
Full power consumption	2 A
Components: Woofer Driver	2x6" Kevlar Cone 1" Titan. Dome Tweeter
Directivity H/V	90° Conical
Frequency Response(*)	65 Hz – 20 kHz
Maximum SPL (1m)	118 dB
Dimensions (H x W x D)	500 x 239 x 258 mm
Weight	8,4 kg

Note:  
 - (\*) 10 dB. Half space anechoic  
 - Specifications subjected to change without previous notice.

## 3. MOUNTING AND PLACEMENT

For a proper installation of the acoustic cabinet systems, it is strongly recommended to carefully read the following advices.

### 3.1. Placement

The "Full Range" cabinets should be located in a high position (between two or three meters), slightly inclined to the audience. If the loudspeakers are located too low, the listeners at the end of the room will not receive enough sound pressure level.

They may be located together, in cluster form, one next to the other, taking advantage of their trapezoidal shape. They may be also located one on top of the other one, always trying to maintain the slight inclined orientation that guarantees the best coverage both in horizontal or vertical.

It is strongly recommended to locate subwoofer units on the floor as they can take advantage of the so-called "floor-effect", thus increasing the response in the low frequencies.

If possible, place the subwoofers under the same acoustic axis used for the satellites.

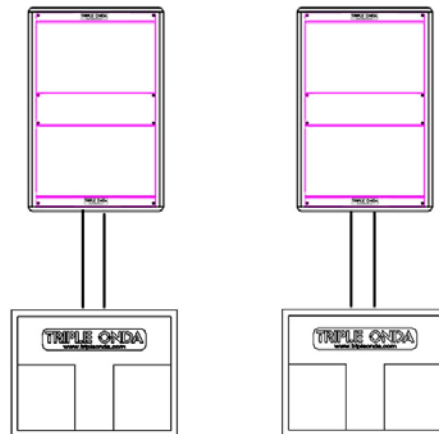
If the above option can not be carried out, then they should be placed in an intermediate point between the left and right channels.

### 3.2. Tripod use

The TOP.S 26A are equipped with a tripod socket for use with Standard 35mm tripods. Do not use the tripod on non-flat floors and be careful not to raise the cabinets too high on the tripod, as they may become unstable.

### 3.3. Live applications (mobile)

For a mobile application, whether it is an outdoor or indoor installation, the common location is to place the bass units (one or two per channel) on each side of the stage or the dancefloor.



To obtain a clear and free-distortion reproduction, it is advisable to place the mid-high units on top of the low units keeping between them an approximate height of two meters. If such height cannot be achieved nor maintained, it is advisable to use the classical tripod for each mid-high cabinet and leave the low units on the floor.

### 3.4 U-N10 Bracket (Optional)

The **TOP.S-26A** can optionally incorporate a "U" bracket which allows the cabinet to be mounted on a wall or ceiling. The bracket may be mounted with either nails or screws, horizontally or vertically.

#### Mounting:

1- Hold the bracket against the mounting surface, so you can mark the locations of the mounting holes (1).

2- Drill corresponding pilot holes on the wall and attach the bracket with screws (included).

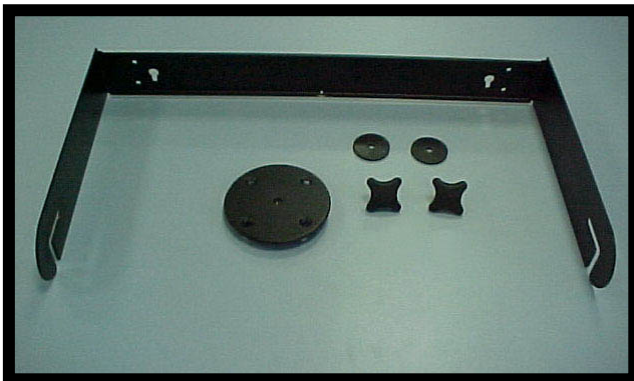
3- Unscrew the top hat (located on the bottom of the cabinet) and place the metal plate (included on the kit) (2).

4- Set the cabinet on the bracket and fix it through the two M8 bracket knobs (included on the kit). The order must be as follows:

- a) Rubber washer (3)
- b) U-N10 Bracket
- c) M8 bracket knobs (4)

5- Adjust the cabinet for desired position and angle.

It is possible to add a 2mm steel cable through (5) to make the bracket safer.



### 3.5. TOP.S 26A Accessories

#### SP/CR:

D:35mm/L:80cm Distance rod with M20 Thread.  
Barra soporte D:35mm/L:80cm con rosca M20.

#### SP/SX:

D:35mm/L:1.8m adjustable aluminium Tripod stand.  
Trípode de aluminio ajustable D:35mm/L:1.8m.

#### FC-26A:

Flightcase for 4x TOPS26A units  
Flightcase para 4 unidades TOPS26A

#### U-N10:

"U" wall stand  
Soporte para pared "U"

## 4. TROUBLESHOOTING

#### No power

- Make sure that the cabinet is plug in.
- The Fuse is blown. Replace the fuse on fuse holder with one of the same type. If it blows again, take the unit to a service centre.

#### No sound

- Check that the mixer or sound source is sending signal to the unit.
- Make sure that the VOLUME potentiometer is well-positioned.
- Check that the cable from the sound source to the units is connected correctly. Replace the cable if defective.
- Make sure the output volume (gain) control on the mixing console is turned up sufficiently to drive the inputs of the speakers.
- Make sure the mixer does not have a Mute on.

#### Distorted sound

- The system is overloaded and has reached maximum power. Turn down the mixer's output or the channel's gain.

#### Poor bass performance

- Check the polarity of the connections between the mixer and the cabinets. You may have the positive and negative connections reversed at one end of the cable, causing a loudspeaker to be out-of-phase.

#### Noise and Hum

- Make sure all connections to the active unit are in good conditions.
- Avoid the signal cables to be routed near AC cables, power transformers, or EMI-inducing devices.
- Check if there is any light dimmer on the same AC circuit as the cabinet. Connect the sound system to a different phase than the lights.



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