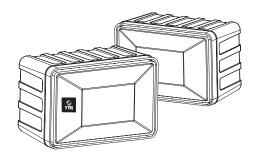
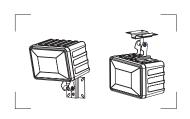


ENVIRONMENTAL ACTIVE SPEAKERS SYSTEM USER'S MANUAL





SBWAI05BC

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- 1.Do not block any ventilation openings. Install in accordance with the manufacturer's in structions.
- 2.Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 3.Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other.
- 4. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 5. Only use attachments or accessories specified by the manufacturer.
- 6.Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
- 7.Unplug this apparatus during lightning storms or when unused for long periods of time.
- 8.Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 9. The apparatus shall not be exposed to dripping or splashing and no objects with liquids such as vases, shall be placed on the apparatus.
- 10. The AC power adapter is used as the disconnect device. This disconnect device shall remain readily operable.
- 11. When suspending the system always ensure that the suspension points are sufficiently rated so thatthey will bear the load of the system. As a rule of thumb suspension points should be rated to bear a minimum of 10 times the weight of the system being suspended from the points.



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.



This lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION: To reduce the risk of electric shock, do not remove the cover (or the back). There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

Welcome

Congratulations on your purchase of the TYG SBWAI05BC loudspeaker. The SBWAI05BC is Class D amplifier driven state of the art speaker developed by our engineers. In order to experience optimum performance, please read this manual carefully.

When opening the package
Please report if the appearance of the power
amplifier looks damaged. Don't throw away the
packing box as you will need it in case of a return.

Support and Service

Please contact with local distributor of TYG directly in order to get the quick after-sale service. If there is any technical problem, please contact us: Email: info@tygglobal.com



In case you see or detect manufacturing defects turn the system off and send the product to the local distributor for repairing. Do not try to dismantle the product by yourself.

Rated Power

Power at 0.1% clipping, drive by one channel

Model	Channel	8 ohm*	4 ohm*	2 ohm*
SBWAI05BC	1	50W		





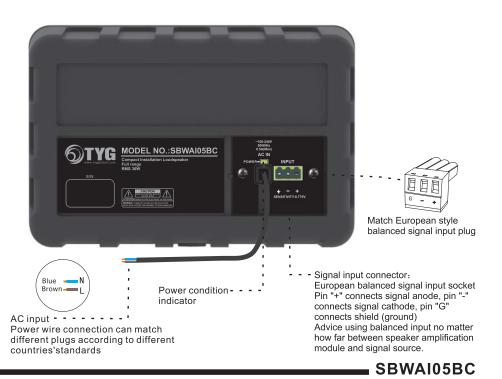
Product Features

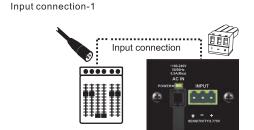
- 1) Full plastic (HIPS) insulating shell, high quality 5-inch full frequency speaker and easy-hanging accessory design are adopted.
- 2) High quality, extreme high efficient CLASS D amplification IC driven speaker is built-in. It owns the advantages like small distortion, good sound, low fever and consumption. The amplification will enter the silent ready mood when no signal for 1 minute. That makes the consumption lower and all-day work possible.
- 3) High efficient voltage regulation SMPS power supply is built-in. It can work stably under 100V-240V electric supply. New generation ON power control chip is adopted, which realizes low ready mode consumption and makes EMC performance better.
- 4) Rear panel uses "European Style" balanced signal input terminal. Connection becomes convenient.

Technology Highlights

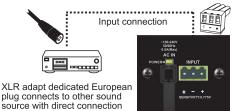
- 1) The high efficient CLASS D amplification module has been adopted for better performance. It has advantages of low distortion THD<0.05%,high efficiency (93%), and large power headroom. The protection function is much better, as well as the protection of overload short circuit.
- 2) New generation ON power control chip is adopted. Proprietary soft crossing technology (soft jump, adjustable level jump cycle technology) realizes low consumption ready mode. Frequency jitter makes EMC performance better.

Rear panel function introduction



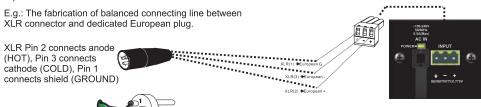


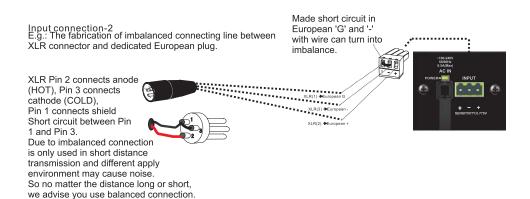
Input connection-2

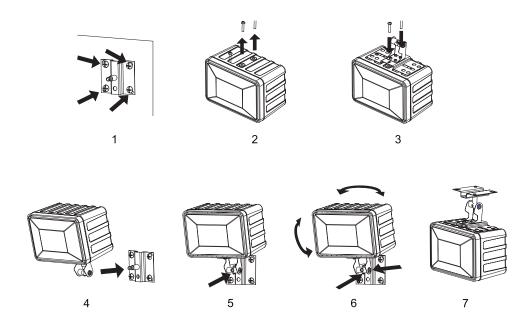


XLR adapt dedicated European plug connects to sound console

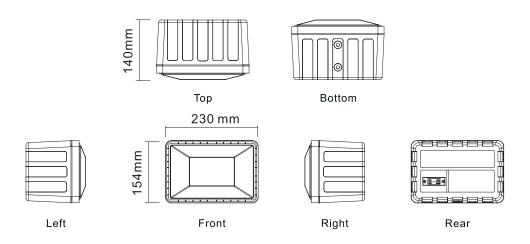
Input connection-1







Speaker dimensions (cm)



Model SBWAI05BC

Output power 50W

Unit configuration LF:1×5in woofer, 25mm(1in) voice coil dia

Frequency response HF:N/C 150Hz-17kHz
Effective frequency 100Hz-20kHz

Calculated maximum(SPL/1m) 108dB

Crossover ———

Direction angle H=120° V=120°

Box shell HIPS

Protection screening Powder coated perforated steel

Inner amplifier technology specifications:

 Amplifier circuitry
 CLASS D

 THD+N
 <0.05%</td>

 S/N rate
 >80dB

 Damping factor
 >50

 Input sensitivity
 0.775V

Input impedance (imbalance / balance) European input socket/ balanced 40k, imbalanced 20k

Cooling Natural cooling

Protection function Short circuit/over load/clip limit/over heat

Signal input terminal European 3p input terminator

Signal output terminal ——————

AC power input AC 100-240V(50/60Hz)

AC power max input current 1A

Indicator light Power Indicator

Size / Weight

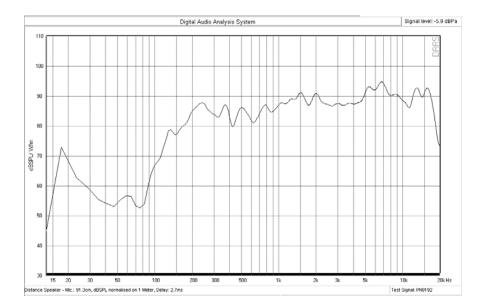
 Net weight
 4.0kg/PRS

 Total weight
 5.0kg/PRS

 Net size (HxWxD)
 154x230x140mm

 Package size (HxWxD)
 300x250x470mm

We reserve the right to make changes in above specifications without prior notice.



Troubleshooting

Troubleshooting Steps

1) No sound

Confirm the AC power wire is connected to the speaker and socket. Detect the power supply by other equipment, such as lamp.

2) No sound, but power indicator green LED is on

Confirm the input sound source. If necessary, use other sound source or other amplifier to connect to the current sound source.

3) If distortion exists or the sound is not clear

Check all input connections. Do not put two different sound sources in the same channel. The mixer mixing source is advised.

4) Dull monotonous background sound

Balanced XLR wires better suits when working in long distance connections. If an unbalanced connection (single core wire) is adopted,

drone may be experienced, because single core wire will bring interference. If

A balanced connection is adopted but the dull monotonous sound still exists, it may be caused by another device. Please check all connections

including power for all devices.

Maintenance will be needed in the circumstances below

- 1. If the amplifier presents smoke or smells burning
- 2. If the cabinet has severe indentation and deformation
- 3. If the amplifier is dipped into the water
- 4. If the internal components are loosen

LIMITED WARRANTY

TYG LLC warrants this product against defects in material or workmanship for the original and any subsequent end user owner(s) ("You" or "Your") for the time periods and as set forth below. Under this Limited Warranty, TYG will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. "Refurbished" means a product or part that has been returned to its original specifications. These are Your exclusive remedies. TYG does not warrant that the operation of the product will be uninterrupted or error-free.

Term: One (1) year from the original date of purchase of the product. This Limited Warranty is transferable. However, any transfer of this product does not extend the term. A copy of the dated receipt or bill of sale from the original end user purchase is required to determine coverage. Online auction confirmations are not accepted for warranty verification. Product Coverage: Only the hardware components packaged with the Product are covered. Technical assistance for hardware or software usage and any software products are not covered. Any software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. When a product or part is exchanged, the original item becomes TYG's property. Any replacement product provided under this limited warranty may vary in the color and/or cosmetic design from the original product and may not include any original engraving or similar customization.

Instructions: You must contact TYG or an authorized dealer prior to returning any product for warranty service.

TYG will not reimburse You for service performed by others. Unless otherwise instructed by TYG or an authorized dealer, You must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the facility specified by TYG.

Email: info@tygglobal.com

Brand website: www.tygglobal.com

Website: www.tygglobal.com

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