

iO2

NOTICE D'INSTALLATION DES ENCEINTES ACOUSTIQUES

LOUDSPEAKERS OWNER'S MANUAL

BETRIEBSANLEITUNG FÜR LAUTSPRECHERBOXEN



Cabasse

www.cabasse.com



iO2
sur pied
on stand
mit Fuß



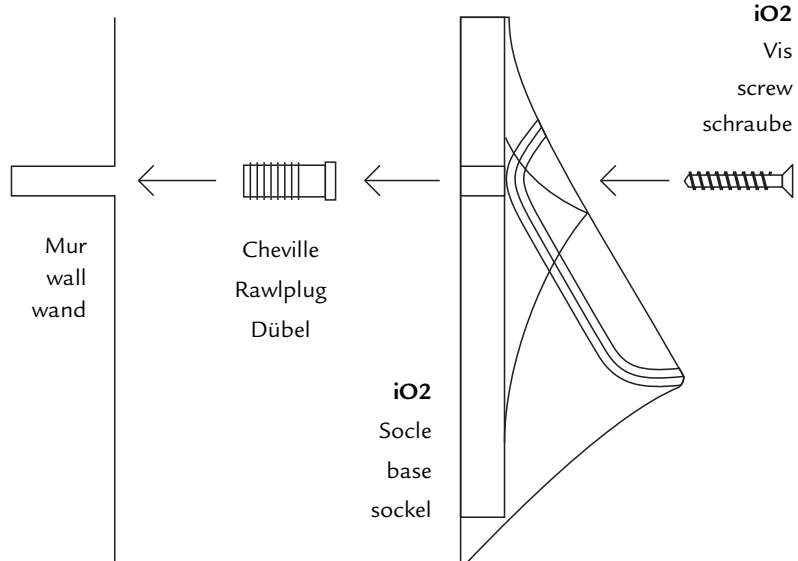
iO2
sur socle
on base
mit Sockel



Santorin 25
caisson de graves
subwoofer
Subwoofer

① MONTAGE MURAL DU SOCLE iO2

Wall mounting
of the iO2 base
Wandbefestigung
des iO2 sockels



② POSITIONS DU SATELLITE iO2 SUR SOCLE

iO2 speaker positions on its base

Positionen des iO2 satelliten auf dem sockel



position horizontale
horizontal position
waagrecht

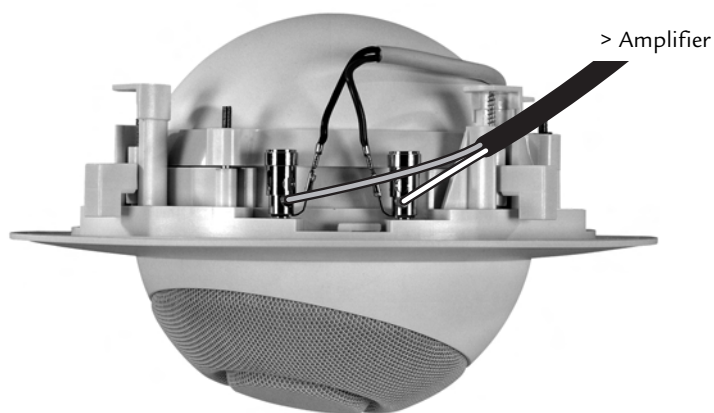


position verticale
vertical position
senkrecht

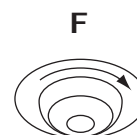
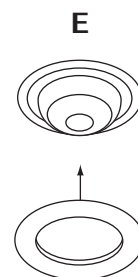
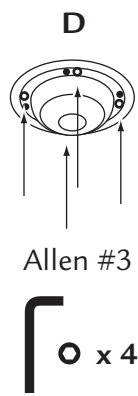
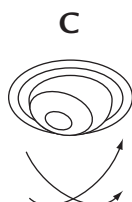
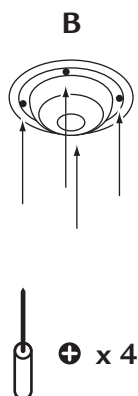
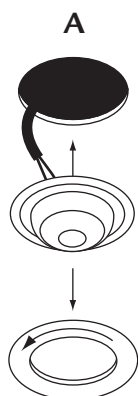
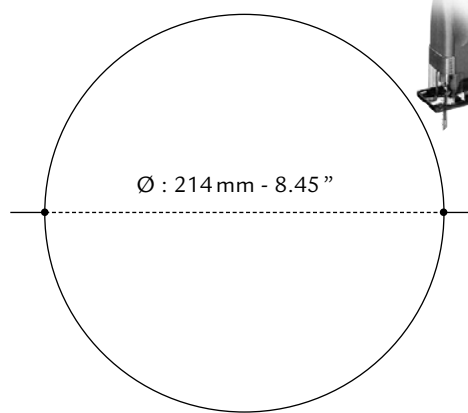
LA VERSION IN CEILING DU SATELLITE iO2

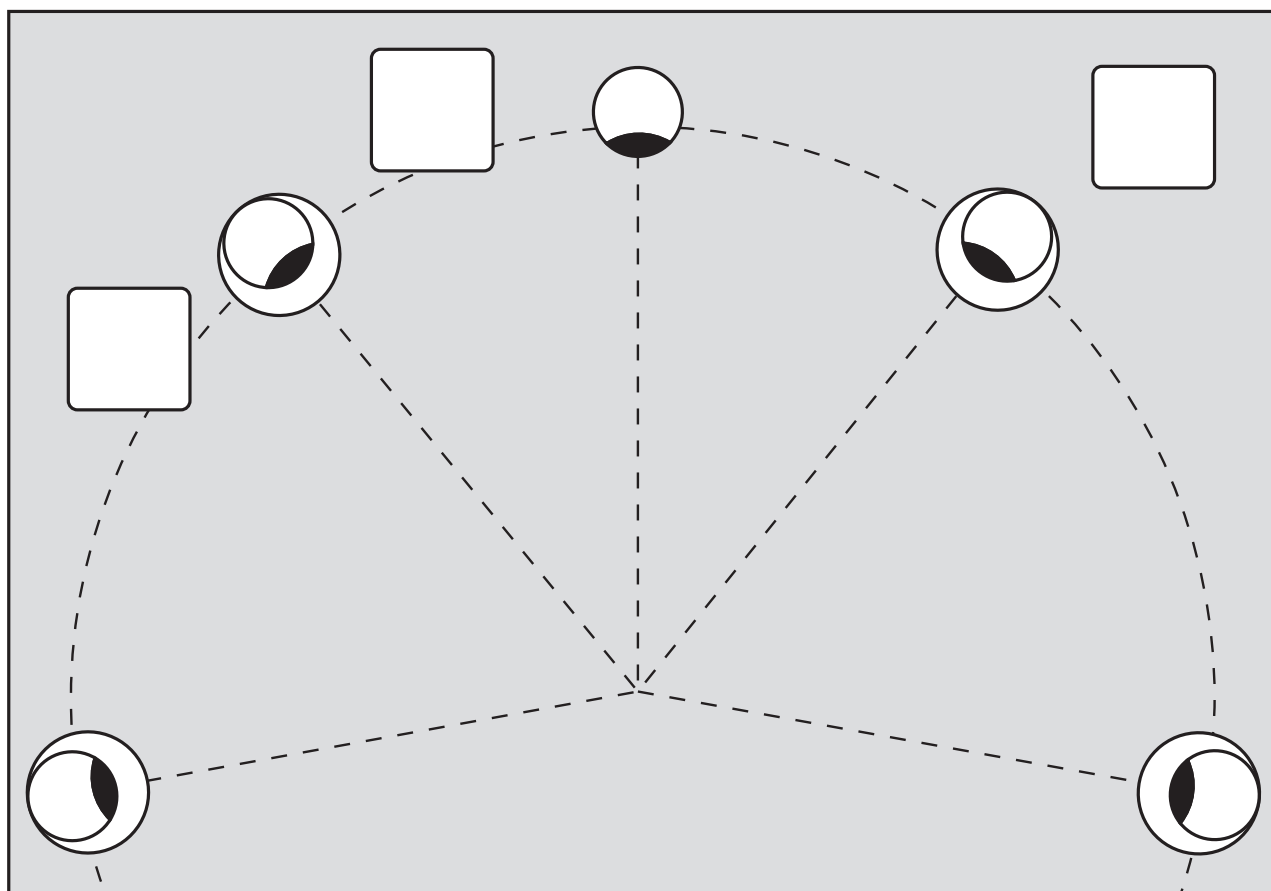
The In Ceiling version of the iO2 speaker

Die Deckeeinbau Version des iO2 Satelliten



Profondeur/depth/Tiefe :
95 mm - 3.74"





③ POSITIONNEMENT DES SATELLITES iO2 ET DU CAISSON DE GRAVES SANTORIN 25

iO2 speakers and Satorin 25 subwoofer positioning

Positionierung der iO2 satelliten und des Santorin 25 subwoofers

④ Configuration 2.1 (stereo)

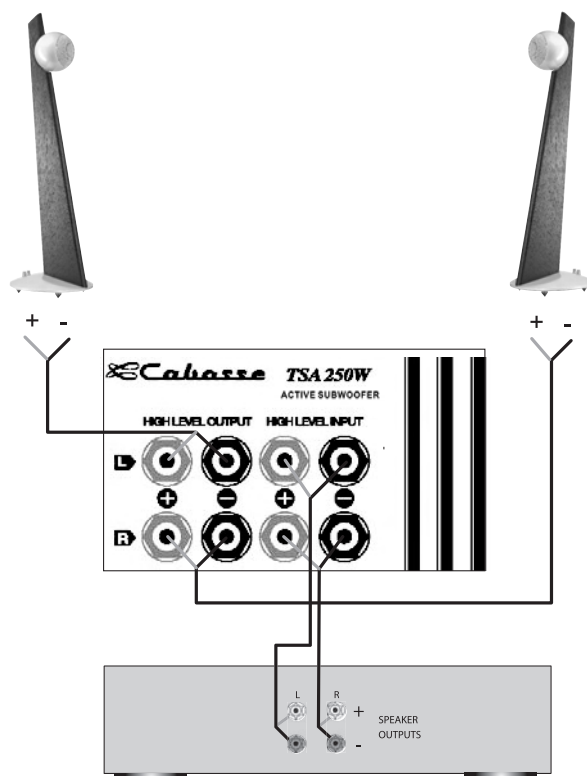
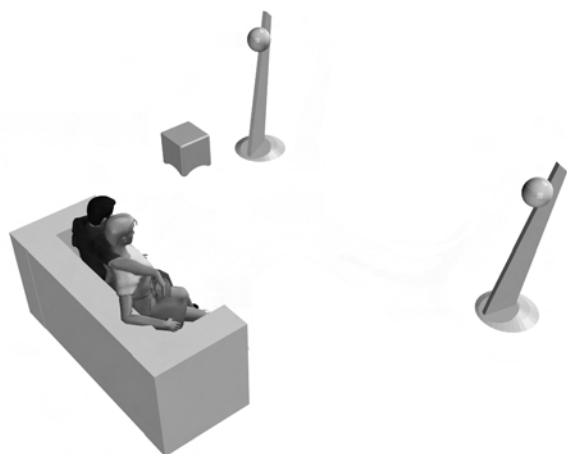
2 satellites iO2 + 1 caisson de graves Santorin 25

2.1 configuration (stereo)

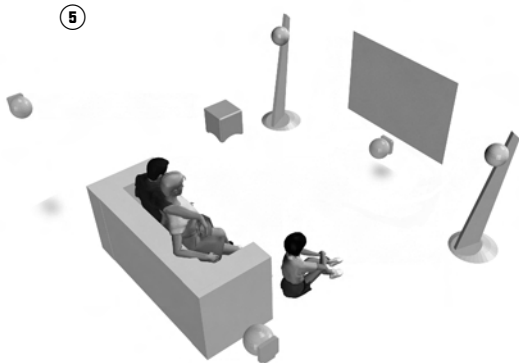
2 iO2 speakers + 1 Santorin 25subwoofer

Konfiguration 2.1 (stereo)

2 iO2 Satelliten + 1 Santorin 25Subwoofer



5



Configuration 5.1 (Audio Video)

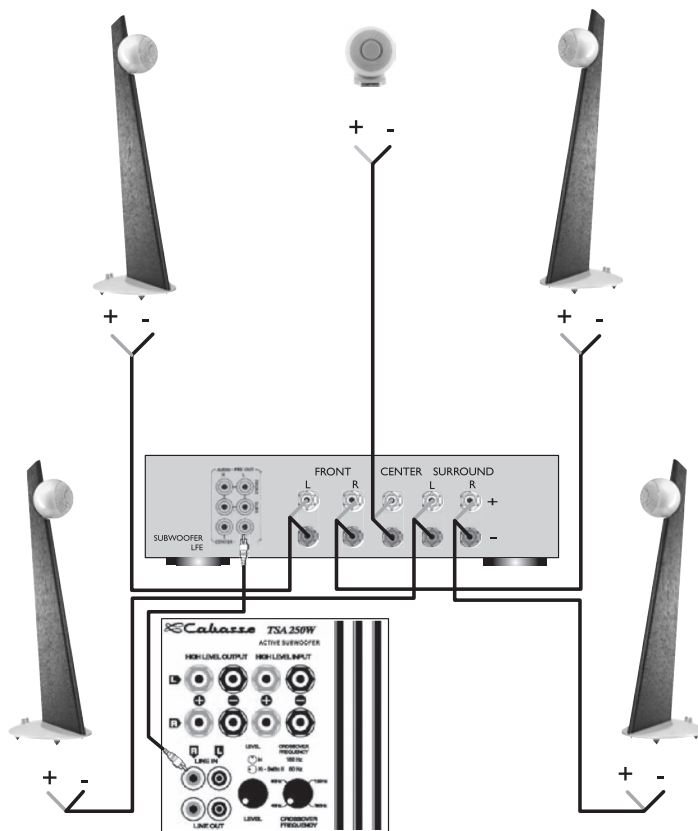
5 satellites iO2 + 1 caisson de graves
Santorin 25

5.1 configuration (Audio Video)

5 iO2 speakers + 1 Santorin 25 subwoofer

Konfiguration 5.1 (Audio Video)

5 iO2 Satelliten + 1 Santorin 25 Subwoofer



6

Configuration 5.1 (Audio Video)

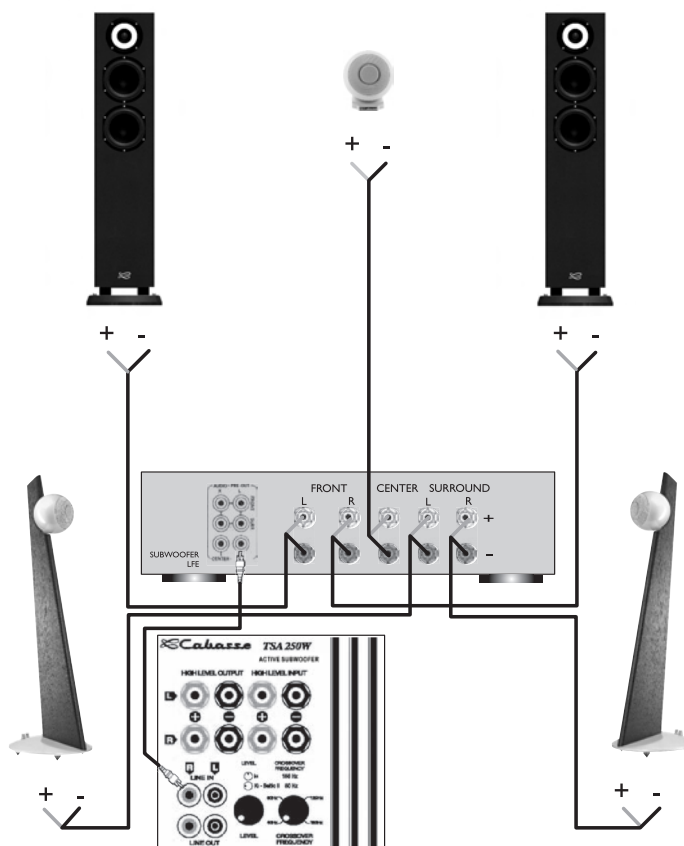
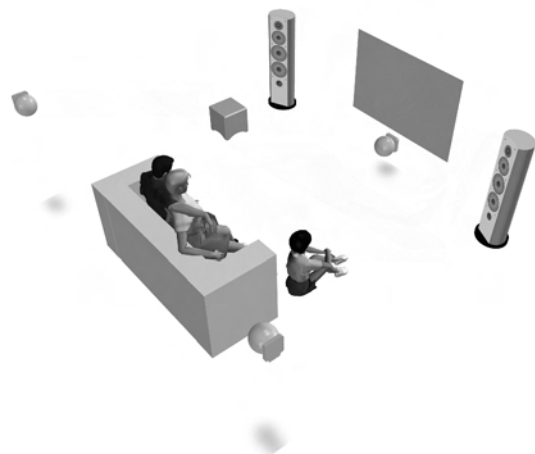
2 enceintes principales + 3 satellites iO2
+ 1 caisson de graves Santorin 25

5.1 configuration (Audio Video)

2 main speakers + 3 iO2 speakers
+ 1 Santorin 25 subwoofer

Konfiguration 5.1 (Audio Video)

2 Hauptlautsprecher + 3 iO2 Satelliten
+ 1 Santorin 25 Subwoofer



Thank you very much for choosing Cabasse speakers.

Please read carefully these instructions before setting up your speakers.

SAFETY INSTRUCTIONS



Explanation of graphical symbols -

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you

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.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Instructions - Carefully read through all the safety and operating instructions before switching on any device for the first time.

Keep these instructions in mind - They will be constantly referred to through this manual.

Pay special care to warnings - All the warning labels on the product or warning notes in the user’s manual must be followed.

Follow the instructions - Follow carefully all the installation and operation instructions.

Cleaning - Always take off the power cord before cleaning the device. Do not use cleaning solvent, whether liquid or air spray. Using a soft damp cloth is recommended.

Accessories - To avoid incidents, only use accessories expressly recommended by Cabasse.

Water and moisture - The product shall not be used in damp or wet locations, such as humid basements, next to a bathtub, sink, swimming pool or any other similar conditions.



Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

> *Portable cart warning*

Installation on a piece of furniture and stands -

Do not place this device on an unsteady surface, i.e. a stand, tripod, table, shelf, etc. It may fall and cause serious injury to a nearby child or adult.

Ventilation outlets - The device shall not be placed in a position that restrains the operation of its fans. Avoid installing the device on a bed, couch, blanket or other similar surfaces that may prevent the appropriate air flow. Do not install the device in a confined space, such as a book shelf or other piece of furniture, that could prevent sufficient air from flowing freely.

Power - The device shall only be connected to a source of power compliant to the one described in this manual or on relevant printed labels on the product. If you are not sure of the type of power available, please contact your reseller or the

local power company.

Power cords - The power cords must be laid out in such a way that they cannot be walked on, pinched, bent under other devices. Also pay special attention to the matching of the plugs and the connection of the cord to the device.

Lightning - For better protection against lightning or if the device must remain unused for long stretches of time, unplug the power cord and antenna jack. This minimizes potential damages due to lightning or line surges.

Overloads - Avoid overloading the power plugs, extension cords or power relays. This could result in fire or electric shocks.

Foreign bodies and liquids - Avoid letting foreign materials or liquids enter the device. They could cause fire or electric shocks. Never spill any liquid on the device.

Maintenance - Users must never attempt to maintain the device on their own, except for those maintenance operations described in this manual. Any task beyond regular user maintenance must be performed by qualified service operators.

Troubleshooting - You must unplug your device from the power supply and have it checked by a qualified technician if:

- The power supply or the plug is damaged.
- Foreign bodies or liquid penetrated the device.
- The device was exposed to dripping or splashing.
- The device does not seem to work correctly under normal operating conditions. Only operate the controls described in this manual. Any other operation could damage the device and require on-site visit of a qualified technician.
- The device has fallen or its housing is damaged.
- The performances of the device are strongly altered.

Spare parts - If spare parts are needed to repair the device, make sure that the technician followed the manufacturer’s recommendations or that the replacing parts feature the same specifications as the original ones. Non-compliant parts can result in multiple damages, including fire or electric shocks.

Checks - After any servicing of the device, ask the technician to perform appropriate testing to make sure that the device works safely.

Exposure to high temperatures - The device should be kept away from heating sources, such as radiators, heaters, amplifiers or any other similar item likely to make the operating temperature rise excessively.

Plastic bags - Keep them away from children to prevent any risk of suffocation.

Applicable for USA, Canada or where approved for usage

Caution ! To prevent electric shock, match wide blade plug to wide slot, insert fully.

With the iO2 SYSTEM, Cabasse proposes a Hi Fi / audio video system based on the Spatially Coherent System (SCS) principles coming from our high end ARTIS range of speakers.

With these 2-way very compact speakers combined with a Santorin 25 active subwoofer, you can get a very high quality system, either in a 2.1 configuration (standard stereo), in a 5.1 configuration (5 channels system), 6.1 or 7.1...



The Santorin 25 Cabasse subwoofer is dedicated to iO2 SYSTEM.

Mercure, Santorin 21 or Santorin 30i Cabasse subwoofer series can be used with iO2 speakers. If you wish to use another active subwoofer, check that the frequency bandwidth of the subwoofer is adjustable up to 150 Hz with a very 24 dB slope at 200 Hz.

We recommend the use of the Santorin 25 or Santorin 30i subwoofers for their power handling capacity, especially for a 3 channels or more set-up.

SET-UP

The components of your system:

- 2, 3 or 5 iO2 speakers
- 1 Santorin 25 active subwoofer

iO2 speaker on base

The wall mountable version of the iO2 speaker requires a single screw to be positioned on a wall ①. The base of this version is also designed for the iO2 speaker to be positioned on furniture like a bookshelf or a TV-set.

The magnetic link between the sphere and its foot enables a very easy orientation towards the listening area ②. The foot is fitted with 3 cables outputs (in its centre and in both ends) and the bottom panel integrating the Cabasse logo can be turned 180°, so that you can choose the most elegant way for the cables.



Attention, the vent hole located at the back of the sphere should not be sealed by the base.

iO2 speaker stand version

The stand version is supplied with adjustable spikes for a perfect stability even if the floor is not horizontal.

Power supply of Santorin 25



Attention!

Before connecting the active subwoofer to the mains, be assured that the 115-230V switch is set up according to the local voltage.



Attention

Do not connect the active subwoofer to the mains with the supplied power cable before having completed all the other connections. After having selected the right voltage and connected the subwoofer to the mains, select either ON or AUTO position for the POWER switch. With the switch on the STAND BY position, the unit will mute after a few minutes without input signal. The system turns on automatically when signal comes back.

ACTIVE SUBWOOFER SANTORIN 25

Voltage	115 / 230 V AC-50 / 60 Hz
Maximum power consumption	165W
Standby power consumption	0.49W @ 230VAC 0.5W @ 115VAC
Power consumption when off	0.04W @ 230VAC 0.04W @ 115VAC
Useable temperature range	+5°C to +35°C
Storage temperature	-5°C to +40°C
Useable humidity range	40% to 70%

iO2 SYSTEM positioning

Positioning of the speakers: if possible, try to match with the ③ drawing, with the Santorin 25 subwoofer in the front area facing the listening spot. Its position against a wall reinforces the extreme low register and limits the reflections between 80 and 200 Hz. However to obtain the best result, it is always necessary to carry out tests according to the acoustics of the room.

CONNECTIONS

It is imperative to respect the correct phasing when connecting: + to + (red) and - to - (black). To connect the speaker cable to the terminals of the iO2 speaker, pull out the bottom plate from the base. If your cables are coming out from the wall just behind iO2 speaker, have the cables go through the bottom plate before connecting them to the iO2 speaker terminals.

Configuration 2.1 (stereo) ④

- 2 iO2 speakers + 1 Santorin 25 subwoofer

Connect with speaker cables the amplifier outputs to the terminals HIGH LEVEL INPUT L (left) and HIGH LEVEL INPUT R (right) of the Santorin 25 subwoofer and connect the outputs HIGH LEVEL OUTPUT L (left) and HIGH LEVEL OUTPUT R (right) of the Santorin 25 subwoofer to the iO2 speaker inputs ⑤.

Configuration 5.1

- 5 iO2 speakers + 1 Santorin 25 subwoofer ⑥ or
- 2 main speakers + 3 iO2 speakers + 1 Santorin 25 subwoofer ⑥

Connect each speaker output of the 5.1 amplifier directly to the matching iO2 speaker (front right, front left, centre, etc.).

Connect the subwoofer CINCH RCA output of the amplifier to one CINCH RCA LINE IN post of the subwoofer.

Then adjusts the set-up menu of your audio video amplifier:

For 5 iO2 speakers:

FRONT	SMALL
CENTER	SMALL
SURROUND	SMALL
SUBWOOFER STEREO	YES
SUBWOOFER / LFE	YES
SUBWOOFER FREQUENCY	125 Hz (or closest possible frequency)

For 3 iO2 speakers and 2 large bandwidth front speakers:

FRONT	LARGE
CENTER	SMALL
SURROUND	SMALL
SUBWOOFER STEREO	NO
SUBWOOFER / LFE	YES
SUBWOOFER FREQUENCY	125 Hz (or closest possible frequency)

SANTORIN 25 SUBWOOFER ADJUSTMENTS

a) CROSSOVER FREQUENCY

In stereo configuration (4), position the potentiometer at 2.00 o'clock, equivalent to 125 Hz.

In 5.1 configuration, adjust the potentiometer on the 180 Hz position to avoid overlapping with the 125 Hz filter of the audio-video amplifier.



b) LEVEL

For both 2.1 and 5.1 configurations, adjust the LEVEL of the subwoofer with various tracks in stereo mode (CD). To adjust the level of the low frequency effect channel, do not modify the sound level of the Santorin 25 subwoofer but go into the set-up menu of your 5.1 audio video amplifier and adjust the SUBWOOFER/ LFE channel.



c) PHASE

If inverting the PHASE raises the bass level, keep this setting and adjust again the LEVEL.

WARRANTY

We thank you for registering the Cabasse warranty within 60 days after their date of purchase. You can either send us the enclosed warranty card fully completed or register on line at www.cabasse.com. In our web site you will also find information on the Cabasse manufacturer warranty.

Thanks to the above information, your system is now nicely set up and you will enjoy your speaker system for many years. We receive every day letters from customers expressing the ever growing satisfaction and musical emotion they have been getting with our speakers over the years. These letters are our first motivation.

TECHNICAL DATA

SPECIFICATIONS	iO2 SPEAKER	SUBWOOFER SANTORIN 25
Installation	2/7 channels	active subwoofer
Ways	2	1
Drivers	tweeter-midrange 2 ways coaxial DOM25/13F15-2	25S20 model - 25 cm / 10"
Crossover frequency	DOM25/13F15-2 at 2,700 Hz	
Frequency bandwidth	145 - 22,000 Hz in semi-reverberating chamber	30 - 150 Hz in semi-reverberating chamber
Pulsed sound pressure		118 dB
Efficiency	93 dB/2.8 v/1 m	
Nominal impedance	8 ohms	active
Minimum impedance	3.8 ohms	250 W
Power handling	80 W	750 W
Peak power handling	560 W	from 40 to 180 Hz
Lowpass cut-off frequency		
Phase switch	0 ° normal, 180 ° reverse	2 low level, 2 high level
Input		-
Magnetic shielding	yes	
Diameter of the sphere	16 cm - 6.3 in	
iO2 base version dimensions (h x w x d)	19 x 16 x 20 cm - 7.5 x 6.3 x 8 in	42 x 36 x 38 cm - 16.5 x 14.2 x 14.6 in
weight	2.2 kg - 4.9 lb	19 kg - 42 lb
iO2 stand version dimensions (h x w x d)	112 x 33 x 33 cm - 44 x 13 x 13 in	
weight	11.5 kg - 25 lb	
iO2 in ceiling dimensions (h x w x d)	Ø 26 cm/ 10.2 in	
weight	2 kg - 4.4 lb	

Because of technical improvements already under way in our constant search for optimum quality, Cabasse reserves the right to modify all the models presented in specification sheets, advertising materials and manuals without prior notice.

Our web site www.cabasse.com will give you the specific adjustments we recommend for the use of our active subwoofers.

MARQUAGE DEEE

Traitement des appareils électriques et électroniques en fin de vie (applicable dans les pays de l'Union européenne).



Ce symbole, représentant une poubelle sur roues barrée d'une croix, apposé sur le produit, indique que ce produit ne doit pas être traité avec les déchets ménagers.

Il doit être remis à un point de collecte pour le traitement des équipements électriques et électroniques en fin de vie. En s'assurant que ce produit est bien mis au rebut de manière appropriée, vous aiderez à prévenir les conséquences négatives potentielles pour l'environnement et la santé humaine.

Le recyclage des matériaux aidera à conserver les ressources naturelles. Pour toute information supplémentaire au sujet du recyclage de ce produit, vous pouvez contacter votre municipalité, votre déchetterie ou le magasin où vous avez acheté le produit.

WEEE MARK

Disposal of Wastes of Electrical & Electronic Equipment (Applicable in the European Union)



This symbol on the product, consisting of the crossed-out wheeled bin, indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the disposal of electrical and electronic equipment at the end of life.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to preserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

WEEE KENNZEICHNUNG

Behandlung der Elektro- und Elektronik-Altgeräte (Verwendbar in die Europäische Union)



Dieses Symbol, das eine durchgestrichene Abfalltonne auf Rädern darstellt, ist auf dem Produkt angebracht und bedeutet, dass dieses Produkt nicht als unsortierten Siedlungsabfall zu beseitigen ist.

Es muss in eine Sammlungspunkt für die Behandlung von Elektro- und Elektronik-Altgeräte eingerichtet sein.

Versichernd, dass dieses Produkt auf geeignete Weise beseitigt ist, Sie werden helfen, die potentiellen negativen Folgen für die Umwelt und die Humangesundheit vorzubeugen. Recycling von Baustoffe wird helfen, die Bodenschätzen zu bewahren. Für jede zusätzliche Information bezüglich des Recyclings dieses Produktes können Sie mit Ihrer Stadtverwaltung, Ihrer öffentliche Rücknamestelle oder dem Geschäft kontaktieren, wo Sie das Produkt gekauft haben.



Cabasse

Cabasse SA - 210, rue René Descartes - BP 10 - 29280 Plouzané
Tel +33 (0)2 98 05 88 88 - Fax +33 (0)2 98 05 88 99
www.cabasse.com