

User Manual

MEZZO

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SAFETY INFORMATION CAUTION

To prevent fire, shock or damage, do not expose the components to rain or moisture.

Conditions for operation:

room temperature 5 – 35° C, humidity 10 – 75%

It is intended to alert the user of the presence of uninsulated "dangerous voltage" within the products enclosure. To avoid electrical shock, do not open the cabinet of the components.



DPERATION SUE

FINE TUNING

Excessive sound pressure levels might cause serious damage to your health. Do not turn up the volume of the loudspeaker system to loud!



Should any solid object or liquid fall into the cabinet of the components, unplug the unit and have it checked by qualified personnel before operating it any further.



Unplug the components of your system from the wall outlet and antenna if they are not to be used for an extended period of time. To disconnect the power cord, always pull on the plug and never on the cord directly. Never touch the plugs with wet hands.



Only have the system installed and repaired by authorized personnel

PRIVATE USE ONLY

These loudspeakers are designed for the playback of audio signals. Any misuse, especially commercial operation, will invalidate the warranty.



SAFETY INFORMATION PRECAUTIONS ON INSTALLATION



Do not carry the speakers by the horn.



Place the loudspeaker on a flat floor with a load-bearing capacity

that adequately supports the weight of the loudspeakers.

SAFETY INFO



To avoid damaging the finish, never use alcohol, paint thinner or aggressive cleaners to clean the components.

subject to direct sunlight, excessive dust, or mechanical vibration.

Connect everything securely. Always insert the cables and plugs

fully into the jacks. A loose connection may cause hum pick-up and

can damage the system. Use only high-quality cables with self-

tightening banana speaker and RCA or XLR plugs.



Read this operators manual thoroughly before operating the speaker system.

OPERATING VOLTAGE



The amplifier can be powered from mains voltages of 90 - 250 volts with a mains frequency of 50-60 Hz.



VAR

CONTENT OF PACKAGES

MEZZO

CONTENT OF PACKAGES

MEZZO

INSTALLATION	2 x	P.	wooden transport boxes with one speaker in each.	2 x 4 x		power cable (3m) for passive version power cable (3m) for iTRON version	INSTALLATION
	2 x		cardboard boxes with the two midrange horn units.	2 x	0	0,8m speaker cable between bass amplifier & passive crossover. (Passive version only)	-
OPERATION	8 x	0	feet with Teflon glides (installed in the foot frame mechanism of the speaker on delivery).	2 x	0	0.8m XLR cable between bass amplifier & iTRON module. (iTRON version only)	OPERATION
OPERATION SUB	8 x		spikes, as an alternative to the standard feet.	1 x	Y E	lubricating oil incl. sponge	OPERATION SUB
FINE TUNING	8 x	٥	protective plates (with center recess) for the spikes, to protect sensitive floors from damage.	1 x	Í	user manual	FINE TUNING
- EINE	1 x		tool to adjust the lock nuts, equipment feet & spikes.				- EINE
MISC	1 x		knurled wheel for tweeter adjustment incl. stud screw and allen key				MISC
RANTY	4 x		screws for fixing the midrange unit incl. allen key				RANTY

UNPACKING

MEZZO



When unpacking and setting up the speaker, be aware of their heavy weight! For this work we strongly recommend the assistance of at least one more person!



Do not move or carry the speakers by holding the horn assembly. The horns may get damaged.



(1) Unscrew the lid of the wooden shipping box (approx. 20 screws)



FINE TUNING

WARRANT

(2) Unscrew and remove the inner vertical crossbar securing the loudspeaker and the wheel board.



Carefully lift the wooden shipping box to an upright position. The (3) speaker now stands on the wheel board.



Remove the EPP packing protection.



Carefully pull the speaker out to the front using the central recessed grip on the wheel board.

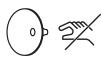


Attention: note the step caused by the packaging crate.

UNPACKING MEZZO



When unpacking and setting up the speaker, be aware of their heavy weight! For this work we strongly recommend the assistance of at least one more person!



Do not move or carry the speakers by holding the horn assembly. The horns may get damaged.



Use the rolling board to transport the speaker to its listening position. Only mount the midrange horn at the final listening position. This makes it easier to pass through narrow door openings.



Tilt the loudspeaker backwards. The weight now rests on the rear speaker feet and the wheel board can be pulled out to the front. Carefully place the speakers on the 4 feet of the stand.

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INSTALLATION

UNPACKING

UNPACKING AND FITTING THE MIDRANGE HORN



When unpacking and setting up the speaker, be aware of their heavy weight! For this work we strongly recommend the assistance of at least one more person!



Do not move or carry the speakers by holding the horn assembly. The horns may get damaged.



(1) Open the carton and remove the protective cardboard.



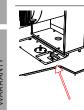
(2) Carefully turn the carton to its side. The thick cardboard insert must be on the underside.



3 Carefully pull out the midrange unit using the two recessed grips on the cardboard transport insert.



Carefully place the midrange unit in front of the recess in the speaker. The 4 centering bolts have plastic caps to prevent scratching the top of the speaker.



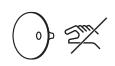
Plug the midrange horn connection cable into the loudspeaker socket.

UNPACKING

UNPACKING AND FITTING THE MIDRANGE HORN



When unpacking and setting up the speaker, be aware of their heavy weight! For this work we strongly recommend the assistance of at least one more person!



do not move or carry the speakers by holding the horn assembly. The horns may get damaged.

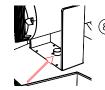


Carefully place the midrange unit on the recess in the loudspeaker. The 4 centering bolts help to ensure accurate positioning.

Caution take care not to pinch the midrange connection cable.



Secure the midrange unit with 4 screws. use the bigger allen key.



) Fit the knurled wheel of the tweeter and hand-tighten it clockwise until you feel it stop.



Secure knurled wheel of the tweeter with the locking screw on the side. Use the smaller allen key.

INSTALLATION

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HEIGHT ADJUSTMENT OF FEET

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The loudspeaker stands on 4 x speaker feet. Standard feet with Teflon glides are fitted as supplied.

After final installation, adjust the height of the speaker feet (max. 10mm) by turning them with the tool to level the speaker.

OPTIONAL SPIKE

MEZZO



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Alternatively, optional spikes can be fitted in place of the standard feet. We strongly recommend that you have a second person to assist you with this operation!

- One person should carefully tip the speaker backwards. The two front feet of the speaker will float in the air.
- Screw in the spikes clockwise by turning them hand-tight using the tool. If necessary, use the protective discs to protect sensitive floors from damage.
- Once the front spike feet are in place, carefully tilt the speaker forward and replace the rear feet.
- After final installation, adjust the height of the speaker feet (max. 10mm) by turning them with the tool to level the speaker.

TWEETER ADJUSTMENT

MEZZO



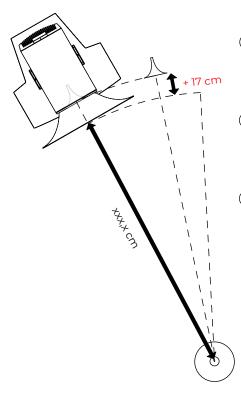
Depending on seat height and distance, the distance of the tweeter from the acoustic centre of the midrange driver increases or decreases.

Rotating the knob **0**, the tweeter can be moved forwards or backwards to compensate for these acoustic time differences. The tweeter's phase-correct offset is 17 cm.



 \rightarrow At an ear height of 115 cm (from the floor) the tweeter should be in its neutral position 2 (large scale mark).

> If the listening position is lower, the tweeter should be moved backwards. If the listening position is higher, the tweeter should be moved forward.



- Take a piece of string and measure the distance (xxx.x cm) from your listening position at ear height to the bottom edge of the large midrange horn.
- Take this length (xxx.x mm) and add 17 cm. This is the correct distance from your listening position to the centre of the upper edge of the tweeter horn.
- Turn the knob **0** clockwise to move the tweeter backwards and increase the distance from the listening position. Turning the knob counter-clockwise moves the tweeter forward and reduces the distance from the listening position.

NSTALLATION

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INSTALLATION



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SAFETY PRECAUTIONS ON INSTALLATION

The power to all components must be switched "off" (or disconnected from the household AC) before making any audio connections.



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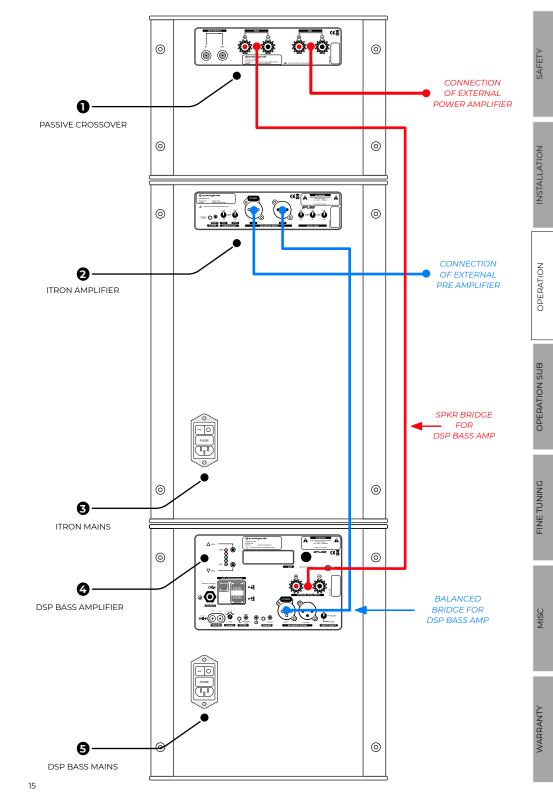
To prevent malfunction/defects, never operate components with unassigned input sockets (unwired)!.



Control the polarity of speaker cables! Never mix up "+" and "-". Wrong polarity will deteriorate the sound quality and can damage amplifier and the active power module of the subwoofer.

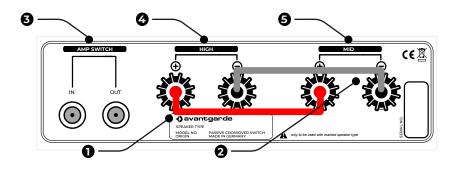
Do not short circuit the +/- electric poles of the speaker cables.

Use high quality cable with solid speaker plugs (spades, bananas etc).



CONNECTION – PASSIVE VERSION

SINGLE-WIRING



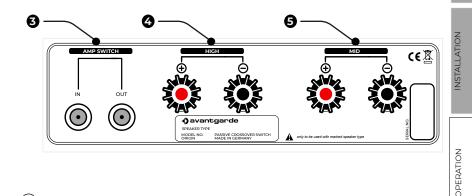
High **3** and mid **5** have separate speaker terminals. In the standard configuration these connectors interconnected with 2 x OFC 2-way bridges **0**&**2**. One bridge **0** interconnects all "+" terminals, the other bridge **2** interconnects all "-" terminals.

- (2) Connect the HIGH terminal **④** of the speaker and the speaker input terminals of the DSP subwoofer amplifier with the jumper cable. The jumper cable is included in the accessory box.
- (3) Only now connect the components' power cords to a household outlet and turn on the subwoofer and other equipment.
- The inputs and outputs of the AMP SWITCH
 are exclusively available on devices with ITRON amplifier (incl. the AMP SWITCH circuitry) and are used for remote switching between PASSIVE crossover and ITRON amplifier.

Please contact your dealer for additional information.

CONNECTION – PASSIVE VERSION

BI-WIRING



- To operate the system in BI-Wiring or BI-Amping mode, the 2 x OFC
 2-way bridges 0 & must be removed.
- (2) Open the screw caps of the tweeter @ and midrange @ speaker terminals and remove the two OFC 2-way bridges 0 & @.
- (3) Connect the speaker output of your power amplifier (or integrated amplifier) to the speaker terminals of the loudspeaker, using a separate cable for each terminal. The same applies if you are using multiple amplifiers for treble and midrange.
- Connect the HIGH terminal **3** of the speaker and the speaker input terminals of the DSP subwoofer amplifier with the jumper cable.
 The jumper cable is included in the accessory box.
- The jumper cables have hollow banana plugs which are open at the rear. This way it is possible to stack multiple speaker cables to the same speaker terminal.
- 5) Only now connect the components' power cords to a household outlet and turn on the subwoofer and other equipment.

FINE TUNIN

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OPERATION SUB

FINE TUNING

Line level connections feature balanced XLR connectors/terminals. The pin assignment of these follows the EIA RS-297-A standard: PIN 1 = GND, PIN 2 = HOT, PIN 3 = COLD. Never use cables with differing pin assignment! This will deteriorate the sound quality and can damage the amplifiers and/or the active power modules of the subwoofers.

€₹

OUT

- Connect the line level output of your preamplifier with the balanced line level input **0** of the ITRON amplifier with an XLR cable.
- (2) Connect the balanced XLR daisy-chain output of the iTRON amplifier **@** and the balanced XLR input of the DSP subwoofer amplifier with the XLR jumper cable. The jumper cable is included in the accessory box.

CONNECTION – ITRON VERSION

0

PUSH

IN

0

BALANCED XLR CONNECTION

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ITRON AN

MODEL NO. ORIGIN

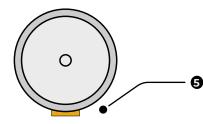
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) Only now, connect the AC power **③** of the components to a household AC outlet and turn on the ITRON module **④** and the subwoofer DSP amplifier.

OPERATION – POWER SWITCH

ON/OFF

- The power switch **0** has an "O" OFF position and a "1" ON position.
 Switch it to the ON position for operation.
- (2) The speaker has an illuminated push button
 on the front below the tweeter to turn on the speaker.



ORANGE WHITE PURPLE = Standby = ON = OTA-Firmware Update (future upgrade)



TOGGLE

3 The brightness of the light can be switched between 8 x intensities using the DIMMER TOGGLE button **6** of the DSP subwoofer amplifier.



DOWED ON

DIMMER

(4) The POWER-ON mode switch **2** of the DSP subwoofer amplifier can be used to select 4 different power on/off modes. See description of the subwoofer DSP amplifier.

INSTALLATIO

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+ 1.5

- 1.5

MID

DRIVER GAIN

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odB (∩)

- 1.5

MID

DRIVER GAIN

- 1.5

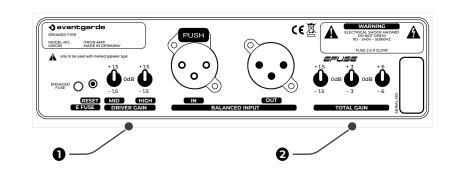
HIGH

+ 1.5

 \odot

-15

HIGH



OPERATION – ITRON VERSION

AUDIO SOUND ADJUSTMENTS

The DRIVER GAIN switches **0** allow the volume of the horns to be adjusted in -1.5 dB, O dB (= linear) and +1.5 dB steps.

MID controls the level of the midrange horn (approx. 200–4,000 Hz) HIGH controls the level of the high frequency horn (above 4,000 Hz)

The factory setting is the "O dB" position for both switches.

Adjustments can be made according to personal taste, to match the tonal "tonality" of the connected source equipment, or to slightly correct for room acoustic influences.

In practice, the tonal balance between the frequency bands can be changed by up to 3 dB. Example:

If the HIGH switch is set to +1.5 dB and the MID switch is set to -1.5 dB, the relative loudness of the midrange speaker compared to the tweeter horn is reduced by 3 dB. This could be used as a beneficial voicing for "shrill" recordings (with overemphasized midrange) or in an acoustic environment with a "peak" in the midrange.

OPERATION – ITRON VERSION

GAIN ADJUSTMENTS

+ 1.5

 \odot

- 1.5

0dB

+ 3

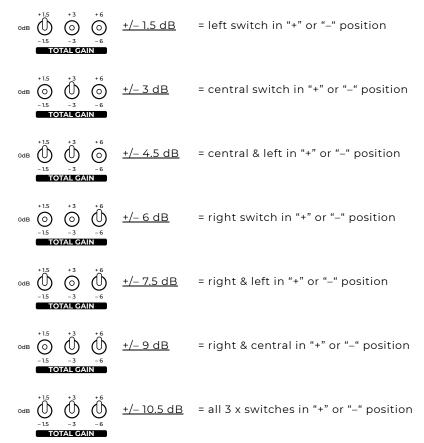
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- 3

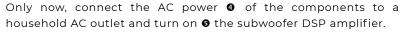
The TOTAL GAIN switches **2** allow the adjustment of the gain of the speakers to the strength of the line level signal from the connected \odot preamp. To avoid sound degrading potentiometers in the signal TOTAL GAIN path, switches in an additive stepped arrangement are being used. Factory default is the "O dB" position for all 3 switches.

> Practical example: If a preamp already makes big "jumps" in level by turning the volume knob just slightly, reducing the iTRON's input gain by up to -10.5 dB may increase the adjustment angle of the pre amps volume knob considerably, thus enhancing its practical usefulness for fine volume adjustments.

The following steps are possible:



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In the passive version, the speaker is operated via an external power

amplifier. This amplifier is connected to the speaker MID connector

the signal from the speaker HIGH connector of the speaker (see

page 16) to the speaker level input **0** of the DSP subwoofer ampli-

(2) The jumper cable (included in the accessory box) is used to connect

CONNECTION – SUBWOOFER DSP AMP

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(0+8

PASSIVE VERSION - SPEAKER LEVEL INPUTS

avantgarde

of the speaker via a high-quality speaker cable.

∧ vol

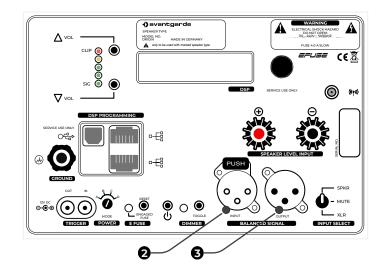
0°

fier.

CLIP 🧿

MODEL NO. ORIGIN MADE IN GERMANY

CONNECTION – SUBWOOFER DSP AMP ITRON VERSION – BALANCED XLR INPUT





Line level connections feature balanced XLR connectors/terminals. The pin assignment of these follows the EIA RS-297-A standard: PIN 1 = GND, PIN 2 = HOT, PIN 3 = COLD. Never use cables with differing pin assignment! This will deteriorate the sound quality and can damage the amplifiers and/or the active power modules of the subwoofers.

- (1) In the active iTRON version, the loudspeaker is driven by an external 📮 preamplifier. For this purpose, the line-level output of the preamplifier is connected to the balanced line-level input of the iTRON amplifier with an XLR cable (see page 18).
- (2) The XLR jumper cable (included in the accessory box) connects the balanced XLR daisy chain output of the iTRON amplifier to the balanced XLR input **2** of the DSP subwoofer amplifier.



Only now, connect the AC power @ of the components to a household AC outlet and turn on the ITRON module 6 and the subwoofer DSP amplifier.

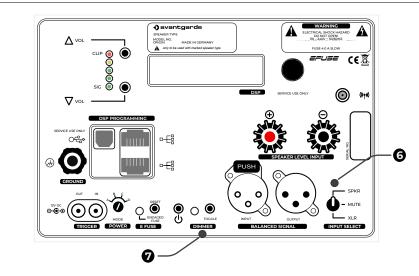
NSTALLATION

DPERATION

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OPERATION – SUBWOOFER DSP AMP

POWER SWITCH, INPUT SELECT SWITCH & LED BRIGHTNESS



POWER SWITCH

The mains power switch **⑤** has an "O" OFF-position & an "I" ONposition. For operation switch to the ON position. If the SPACEHORN is not being used for a longer time, switch the system to the "O" OFF-position.

INPUT SELECT SWITCH



Speaker Level & balanced inputs can be connected in parallel. With the Input–Select switch **6** the respective input can be selected.

The Input–Select switch **③** also has a MUTE–position, which mutes the inputs. This can be helpful during troubleshooting (e.g. when hum occurs).

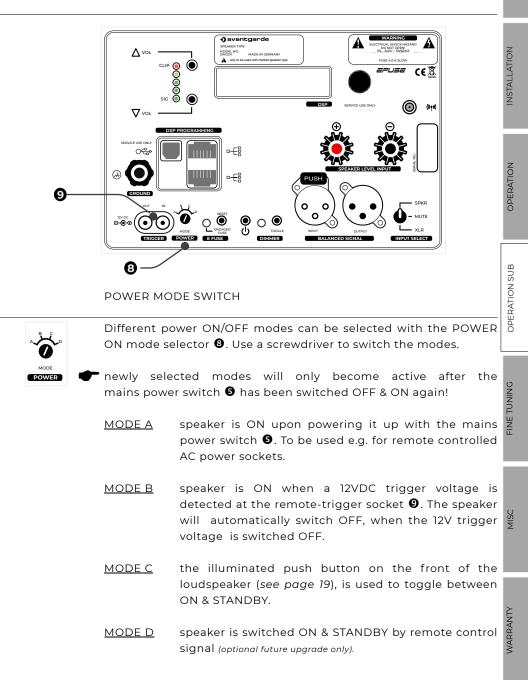
LED BRIGHTNESS CONTROL

WARRANT

The brightness of the LED light can be adjusted with the DIMMER TOGGLE button **1**, toggling through 8 intensities.

OPERATION – SUBWOOFER DSP AMP

POWER MODE SETTINGS



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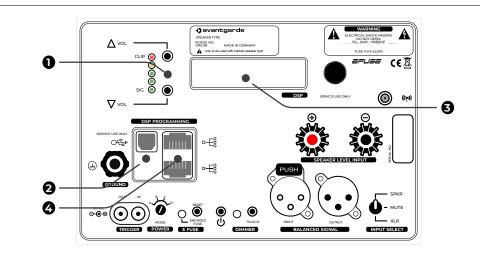
NSTALLATION

OPERATION

OPERATION SUB

FINE TUNING

DSP VOLUME SETTINGS

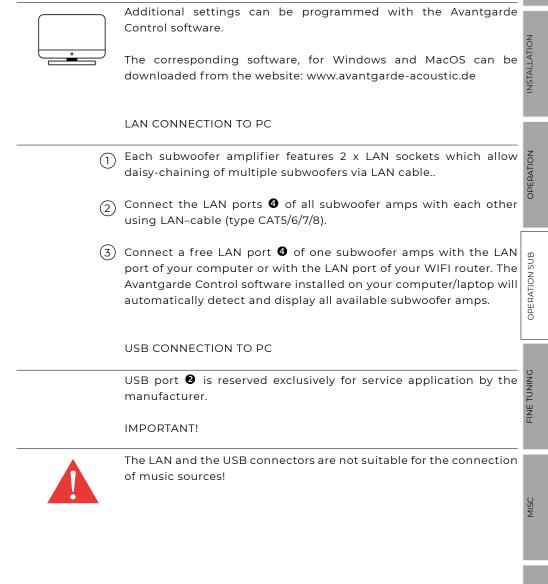


The bass response of the speaker will be influenced by the room and the position of the speaker. This might cause the bass response of the speaker to be strengthened or weakened. Thus as the first step, the overall bass volume needs to be aligned to compensate these effects.

 Press the VOL ▲-button ① to increase or the VOL ▼-button ① to reduce the volume of the bass response. The set volume is indicated in the display ⑤.

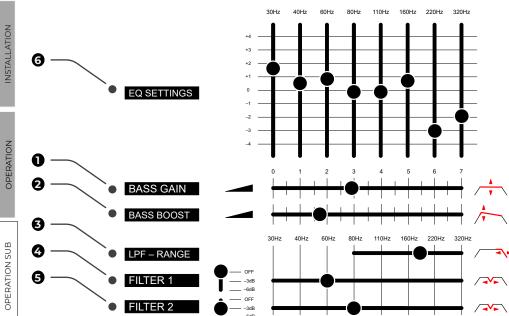
OPERATION – SUBWOOFER DSP AMP

DSP SOFTWARE INSTALLATION



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DSP USER INTERFACE



The above picture shows the graphical user interface that is available for each of the subwoofers individually after installing and starting the software.

TPlease note that all changes in the Avantgarde control software immediately become audible in the speaker. This way it is easy to verify the changes by listening and fine adjust if required.

OPERATION – SUBWOOFER DSP AMP

DSP SETTINGS

×	The BASS GAIN slider $oldsymbol{0}$ sets the overall volume of the subwoofer.	NO
Å T	The BASS BOOST slider 2 increases the low frequency response below 45 Hz. This allows to tailor the bass response from "linear" to "fat".	INSTALLATION
	For individual frequency settings use the 8 x band equalizer G . Each of the bands can be increased or decreased by up to 4dB. This can be used to tailor your bass response to specific sounds (linear, techno, disco, pop, etc.) or to reduce some wide-band room resonances.	OPERATION
	The LPF–RANGE slider 🖲 sets the upper crossover frequency of the	
<u> </u>	subwoofer. In the factory setting the crossover frequency is optimized for a linear transition, the frequency response of the subwoofer blends seamlessly into the frequency response of the midrange horn. The crossover frequency can be used to adjust the "tonal balance" of the system.	OPERATION SUB
\bigcirc	When set to a higher frequency, the subwoofer will partly overlap	
	with the midrange horn response. This will add "warmth" and give a richer "body" to the sound character of certain voices and instruments. If the crossover frequency is purposely set to a lower frequency,	INE TUNING
	subwoofer and midrange frequency response will have a small gap.	ш
	The tonal balance of the system will shift to a more horn typical "dynamic" and "punchy" sound.	
	FILTER 1 & 2 46 are narrow band "notch" filters with a negative gain of –3dB or –6dB. These filters can be used to elimante/reduce unwanted narrow band resonance frequencies of the room.	MISC
0		

Use commonly available frequency sweep apps to detect the \bigcirc position (Hz) of possibly occuring room resonances. Or play bass heavy music through your system and slowly slide the FILTER set at -6dB upwards until the "boominess" improves.

SAFETY

WARRANTY

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FINE TUNING

ROOM PLACEMENT

in the corner!).

3.0 – 4.0 m.

INSTALLATION

OPERATION

OPERATION SUB

TOE-IN & TOE OUT

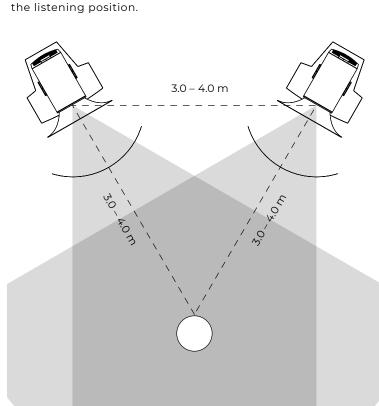
31

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By facing the speakers inwards (toeing-in) or outwards (toeing-out) you can further affect the focus and tonal balance of the system.

By toeing-out, the sound appears to be less "direct" or "forward sounding", but this may affect the focus of the centre image.

Toeing-in emphasizes increased focus on the centre image, but may affect the width of the stereo image.



We recommend to place both speakers with the horns facing

towards the listener. This setup projects the high-frequency and

imaging precision with maximum stability into the center of the

Due to the controlled dispersion characteristics of the horns the speaker will excite significantly less unwanted reflections from the

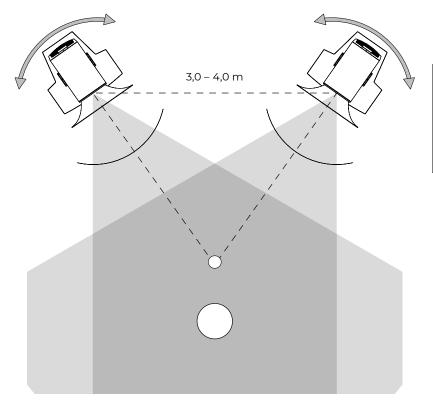
room walls compared to conventional speakers. Thus they can be

positioned closely to back walls or corners (both or only one speaker

Choose a position for the speakers in your listening room. Both speakers and your listening seat should form an approx. equilateral triangle. Ideally each side of the triangle should be approx.

The speakers should be toed-in with the horns pointing directly to

room or in the direction of the ideal listening position.



NSTALLATION

FINE TUNING

RUN-IN TIME

Brand new horns and subwoofers usually need at least 40 hours of running-in. During this period sound quality will improve continuously. Please leave the subwoofers ON during this run-in period.

After this run-in, the sound might have been altered and it might be necessary to slightly re-tune the system set-up (positioning and subwoofer-settings).

OPTIMAL OPERATING TEMPERATURE FOR ITRON

The ITRON electronics uses pure CLASS-A circuits with Zero-Feedback. To reach its full sonic potential the components need to be fully warmed-up. A sufficient warm up time (> 15 minutes) prior to serious listening is recommended.

MISCELLANEOUS

12V DC TRIGGER

The 12V DC TRIGGER sockets of the ITRON & subwoofer electronics features an "IN"-socket **1** and an "OUT"-socket **2**. 2 This way it is easily possible to remotely switch ON/OFF additional devices (additional subwoofers etc.) by simply daisy-chain the 12V trigger signal.

Wiring can be made with mono or stereo jack cables.

E-FUSE



OUT IN

 \mathbf{O}

TRIGGER

12V DC ⊝-⊕-⊕

> All Avantgarde electronics are equipped with a state-of-the-art electronic protection circuit. This E-FUSE continuously monitors the unit and in the event of a fault immediately interrupts the flow of current with unrivaled precision & speed and thus protects the device from damage.



When the E-FUSE has tripped, the current flow will be interrupted and the device stops operating. The red engaged fuse LED 2 will illuminate. Press the E-FUSE RESET button **0** to reset. If the E-FUSE keeps tripping, a permanent malfunction has occurred. Disconnect the device from the mains and get it serviced by your dealer.



All Avantgarde electronics are equipped with a mains ON-OFF power switch that includes an external fuse holder **3**. To avoid any kind of sound degradation caused by conventional fuses, the accessoried include glod-plated copper bolts that can replace the glass fuses used in the factory and thus eliminating any sound degradation at this point. NOTE: The certified final tests during final assembly are performed with glass fuses in place, therefore these are also installed as standard in the delivery status.

For whatever reason this copper bolt may at any time be replaced by a conventional slow blow glass fuse.

FUTURE UPGRADES (optional future upgrade only).

Your system has already been equipped with a wifi antenna port to support future upgrades. This includes remote control signals (from apps etc.) and receiving OTA (over the air) update files for the firmware of the built-in controller chipset.

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INSTALLATION

OPERATION

OPERATION SUB

FINE TUNING

MISC

CLEANING

CLEANING OF HIGH GLOSS LACQUER SURFACES

We recommend to regularly clean high gloss color-coated surfaces (for ex. horns) with a dry soft fabric (duster) or a soft cosmetic brush.

To remove finger prints and dirty spots we recommend the use of glass detergent.

To remove small scratches we recommend the use of automotive waxes and polishing compounds for cars. Please proceed carefully and strictly follow the cleaning instructions of the manufacturer.

- 🖝 First apply glass detergent, waxes or polisher on the backside of the horns to test the result!
- Do not touch the membranes while cleaning the horns!
- Avoid scratching the horns with dirty fabrics and never use aggressive detergents or abrasives!

CLEANING OF SATIN-FINISHED LACQUER SURFACES

We recommend to regularly clean satin finished color-coated surfaces (for ex. subwoofer body) with a dry soft fabric (duster) or a soft brush.

To remove finger prints and dirty spots we recommend the use of glass detergent.

Do not use waxes or polisher!

CLEANING OF METAL SURFACES

Clean the powder coated and anodized surfaces of the frame parts with a regular duster or slightly moisted (i.e. by glass detergent) piece of cloth.

WARRANTY

(1)

SPEAKER REGISTRATION

Register your speaker and receive an extension of your factory war-							
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Please fill out the war	ranty card:	NSTALLATION					
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dealer:		0					

- (2) Take a photo of the completed warranty card with your cell phone.
- (3) Send the photo by mail using the QR code to: "info@avantgarde-acoustic.de"



WARRANTY

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WARRANTY

Avantgarde Acoustic Lautsprechersysteme GmbH warrants that the products are free from defects attributable to faulty manufacture. The warranty is limited to ten (10) years for the stability of the connecting elements (between metal, wood and plastic parts, including the horns), five (5) years for the color coating and the drivers, and two (2) years for all electronic components.

All Avantgarde Acoustic products have been thoroughly checked before shipping. In the case of problems, please check the followina:

1. This warranty begins on the date of original purchase and may be enforced only by the original purchaser. Please keep the original dated sales slip as proof of warranty coverage. The warranty period is not effected by warranty services provided within the warranty period.

2. Except as specified below, this warranty covers all defects in material and workmanship in this product. Our liability for any defective product is limited to repair or replacement of the products, at our option. Any implied warranties, including warranties of merchantabilities and fitness for a particular purpose, or damages based upon inconvenience, loss of use of the product, or commercial loss, or any other damages are not covered by this warranty.

3. Any modification, alterations or changes to the product are strictly prohibited.

4. In case of defects, please contact at first your dealer. If at the sole descretion of Avantgarde Acoustic it is nescessary to ship the product to the manufacturer, please make sure that:

- · The product is carefully packed and shipped in its original shipping box.
- · The Avantgarde Acoustic warranty card is filled out and added to the product or, alternatively the original invoice from the dealer or a proof of online product registration in the Avantgarde Customer Club.
- The product is shipped free of charge to us, e.g. you must pay all shipping charges (ex. Freight, insurance etc.).

WARRANTY

5. The following are not covered by this warranty:

- Regular inspections, tuning, repairs or replacement of parts o which are attributable to normal wear and tear.
- Damage occuring during shipment of the product. All transport claims must be presented to the carrier.
- Damages or scratches on the surface of the product (ex. Housing, horns, metal parts, color coating etc.). These claims must be presented within 3 days after the date of original purchase with your dealer.
- Damage resulting from incorrect placement, faulty connections, improper operation. Damage resulting from failure to follow instructions supplied with the product.
- **DPERATION SUB** Damage resulting from accident, misuse, abuse, neglect, electrical surges, lightning or other acts of God.
- Damage resulting from repair or attempted repair by anyone other than Avantgarde Acoustic or an authorized Avantgarde Acoustic dealer.
- FINE TUNING Consequential, secondary or subsequent damages to other third party appliances.

6. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

7. Register your new speaker on our website and receive an extension of your factory warranties by 1 year (first owner only).

www.avantgarde-acoustic.de

Avantgarde Acoustic Lautsprechersysteme GmbH Nibelungenstr. 349 64686 Lautertal - Reichenbach Germany

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NOTES	NOTES



Avantgarde Acoustic GmbH Nibelungenstrasse 349 D-64686 Lautertal Germany

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