AUDIUM

Comp 8.3 / 9.3
Active / *Drive*

User Manual

Thank you very much for your trust in AUDIUM products!

This AUDIUM speakers are the key to a realistic, three-dimensional
music reproduction with outstanding dynamics and details.

The *Active* Version lets you connect to devices with built-in preamp and or sources with
regulated audio output. If you are using a computer as a source, we recommend to use a
high-quality sound card or use an external DA converter.

The *Drive* Version works with a classical integrated amplifier or a tube amplifier. The
active subwoofer inside relieves the burden of bass-amplification of the amplifier.
Thus, even with low power (such as Triode tube amplifiers or class-A amplifiers), you can
operate the speakers with maximum fidelity.

Please read this manual before installing your loudspeakers.
It provides all the necessary information and hints to set up, and to achieve the best music
reproduction with your AUDIUM loudspeakers.

Thank you very much,

Your AUDIUM team!

Contents:
2x AUDIUM Loudspeakers
2x Power Cable
8x Spikes (M8 thread)
1x User Manual

General information

Warranty

By registering your product, you extend the legal warranty on speakers to 5 years and electronics to 3 years. This is independent of your dealer / distributor.
Visit www.audium.com/registration or fill out the enclosed warranty card within 2 weeks after purchase these speakers.

Warning - Safety instructions

1. Read this manual and follow the instructions provided.
   Keep this manual as a reference for future questions.
2. Do not operate the speakers in damp places or near water.
3. These speakers are intended for use inside buildings.
   Do not operate them outdoors.
4. Do not use the speakers near heat sources such. Eg. Radiant heaters, stoves, fireplaces, amplifiers, … or other devices that produce heat.
5. Disconnect the loudspeakers from the power supply if you do not use them for a long time and during lightning storms to avoid lightning damage.

Do not try to repair the speakers in case of damage or malfunction.
Always contact your dealer or authorized service personnel.

WARNING - RISK OF ELECTRIC SHOCK!
To avoid the risk of electric shock, never open the power supplies or speakers.
Put the device e not to rain or moisture.
There are no parts inside that require service or care.

Burn-In of the Loudspeakers:

Loudspeakers are equipped with moveable parts. Thus they require a specific "Burn-In time" until these parts can move in their required tolerance range. After this period, the loudspeakers can develop their full acoustic potentials.
For the burn-in of your new AUDIUM loudspeakers, you should play back music signals with a very broad frequency spectrum for min. 2 days. Preferably you can use a special Burn-In CD (containing pink noise signal) or you radio receiver after tuning it to an unassigned frequency so you can just hear noise.
Please note that after a long period of inactivity of your Speakers moveable parts get back to their initial rigid state. So give them a few hours time for "warm-up" again through playing music, and you will notice the distinct increase of fidelity within this time.

Handling, Cleaning and Care

For cleaning, use a soft dry or slightly damp cloth.
Please avoid aggressive cleaning agents as well as special furniture polishes or any other cleaning fluids. Dust from the chassis can be removed gently by using a tiny furniture brush.
Warning: Avoid touching the chassis and membranes!
They are very sensitive and can be easily damaged!

Terminology

Instructions only for the ***Active*** Variant will be red Font, the only for the ***Drive*** Variant apply in green letters (arrows / headings / text).

Unpacking the Speakers

The AUDIUM speakers are delivered in separate cartons. Alter opening them, remove the polyfoam protection elements and the textile bag. Do not dispose the packaging - you can carry the speakers in a save way only when using the original packaging.

Spikes:

AUDIUM floor speakers radiate sound best when the front battle is inclined for a fewdegrees. Therefor screw the front spikes for 5mm, the rear spikes totally into the designated winding-drills. Take care that the speaker has a steady position.
Finally, tighten the spikes with the appropriate screw nuts.
Further information on the installation below in the chapter "Installation".

Note: To protect wooden floors, we recommend the use of washers, which you can get from your dealer. Alternatively, you can also use any metal discs for bridging.

Dust-Caps:

The loudspeakers are equipped with dust-caps per default. These are simply attached to the speaker front and can be removed with low force through pulling them off, it you desire.
Even though these dust-caps have been designed according to acoustic aspects, the best sound performance can be achieved when they are removed from the loudspeakers.

Plugs in the bass reflex tube:

The bass reflex tubes are sealed with a semi-permeable foam stopper. **DO NOT** remove this to change the bass response. The tuning of the speakers is chosen so that you achieve the maximum tonal performance **WITH** these plugs. If you want to boost bass, you can do so by using the Bass setting in the Speaker Setup.

Handling and Care of the Loudspeakers

Burn-In:
Loudspeakers are equipped with moveable parts. Thus they require a specific "Burn-In time" until these parts can move in the required tolerance range. After this period, the loudspeakers can develop their full acoustiv potentials.
For the burn-in of your new AUDIUM speakers you can play back music signals with a ver broad frequency spectrum for 1-2 days. Preferably you can use a special burn-in CD (e.g. containing pink noise signal) or a radio receiver after turning it to an unassigned frequency.

After a period of time when you do not listen to music, the speakers also will fall back into a state close to being new. So again, give them some time to warm up again.
You will notice the effect the "burn" them in from minute to minute.

Burn-In:
For cleaning, use a soft dry or slightly damp cloth.
Always avoid aggressive cleaning agents as well as special furniture polishes or any cleaning fluids. Dust from the chassis can be removed gently by using a furniture brush.
Avoid touching the chassis and membranes.

Speaker Placement

Listening Position:

As shown in the illustration, the two speakers and your listening position ideally form an isosceles triangle with the edge lengths A and B. The distance A between the Speakers should be smaller than the distance B between the speakers and yours Listening position. Distance A should be min. 2 meters (6.5 feet).
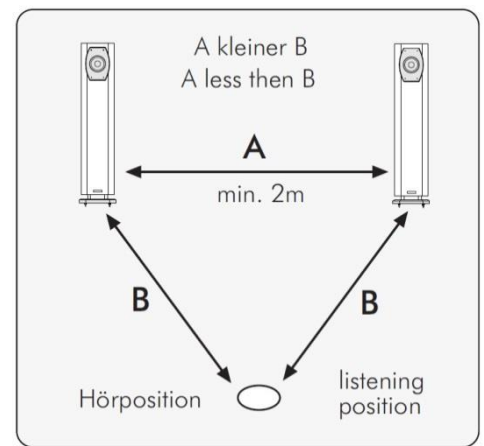
Position in your listening room:
Because of physical laws, a positioning of the speaker closer as 80 cm to a wall causes an increase of the bass reproduction. So you should try to keep this as the minimum distance. By changing this distance you can adjust the bass intensity.

If this is not possible due to your room situation, you can correct this with the "Position" setting in the setup (see below). If the speaker is closer to a wall than 80 cm, select the setting "Near the wall". If the speaker is in a corner, select the "Corner" setting.

You can also configure the speakers differently.
For example, if one speaker is placed near a wall, the second in a corner.

Angling:
Depending on the orientation and angle of your speakers you can change the brilliance, the depth of the stage and the room reproduction.

The installation of the speakers is authoritative for the resulting sound.
Experiment with different settings and let your hearing to judge!

	An alignment of the speakers in parallel heading to your listening position ensures gentler heights.
	An angling of the speakers towards the listening position provides present heights / more brilliance.
	In many rooms, it is good to tilt the speakers backwards, i.e. turn the front spikes far out and the back far into it. This may result in a larger sound image with higher image.
	In contrast, straight alignment of the speakers will cause that the stage is more compact and more come to the forefront.

Controls and Connectors on the Speakers

Active   **Drive**
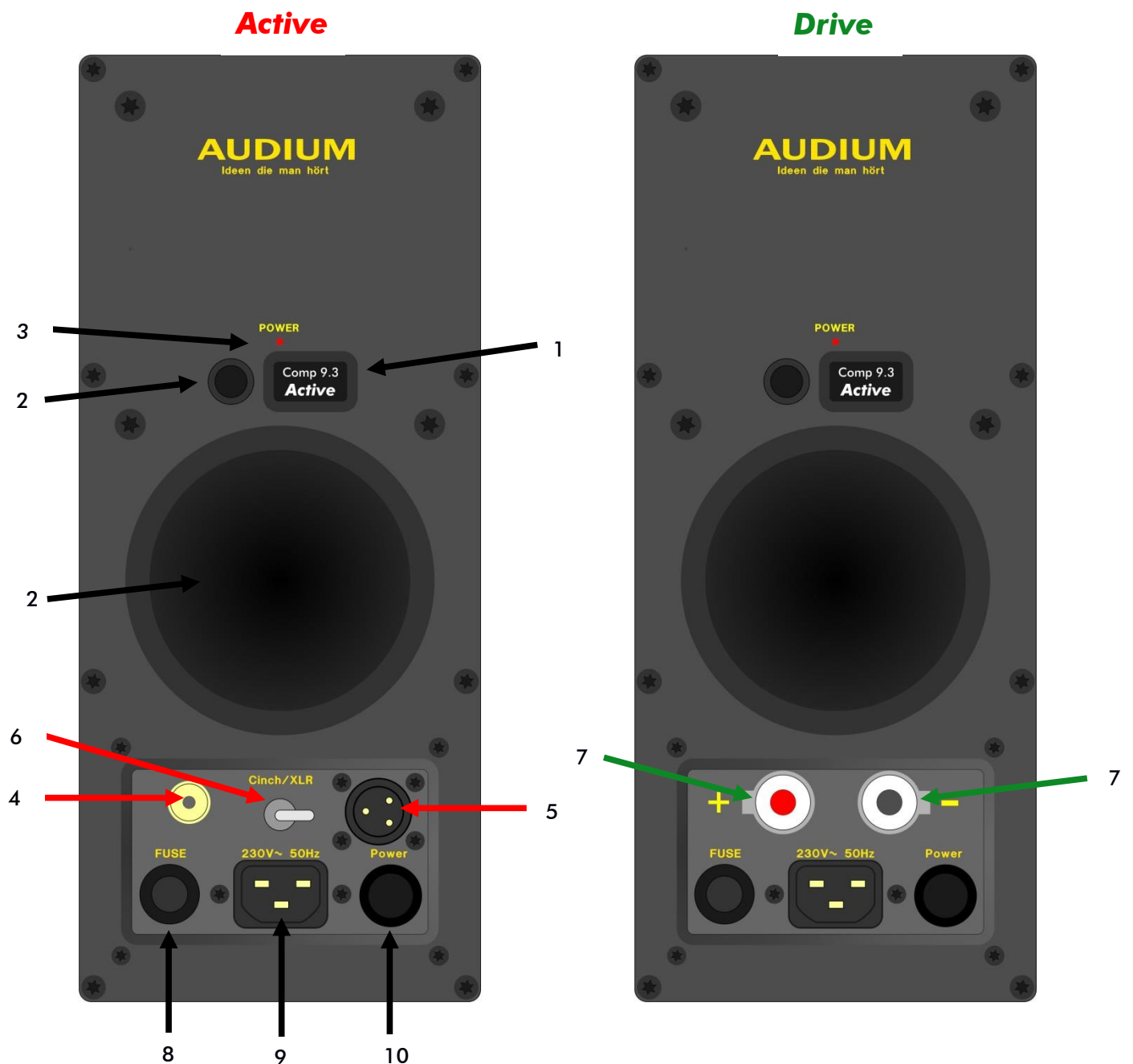
1. Display: OLED graphic display shows the current speaker status.
2. Rotary Knob / push-button for navigation in the menu
   and setting of the speaker parameters.
3. Power LED: lights red when speaker is active, dimmed red when in standby
4. Line - Input: Connect this input with the Pre - Out of your audio source
5. XLR - Input: Connect this input with the Pre - Out of your audio source
6. Select Switch: selects line or XLR input
7. Speaker Input: Connect these jacks to the speaker cable.
   Note: Note the polarity + (red) and - (white).

8. Fuse – always replace with a fuse of the same value
9. Power switch: push to turn on the speaker
10. Power socket: Insert here the end of the power supply cable
11. Bass-Reflex tube: Emmits deep frequencies. Do not remove the foam plug!

Connecting the speakers

After placing the speakers in the desired location, connect them to your music source. Depending on whether **Active** or **Drive** Speaker, this is done as follows:

Active Speaker:
Connect the speakers with high-quality RCA or XLR cables with the line-out of your Preamp or the audio output of your computer. Lead the left line-out of the preamp to the left speaker and the right line-out to the right speaker.

Since the integrated sound card of computers / laptops often do not meet the sound level of AUDIUM speakers it is recommended to use a high quality external DAC which you connect to your computer via USB or TosLink.

Connecting to a Preamp or a Streamer with volume control:

Preamplifier, DAC
or Streamer
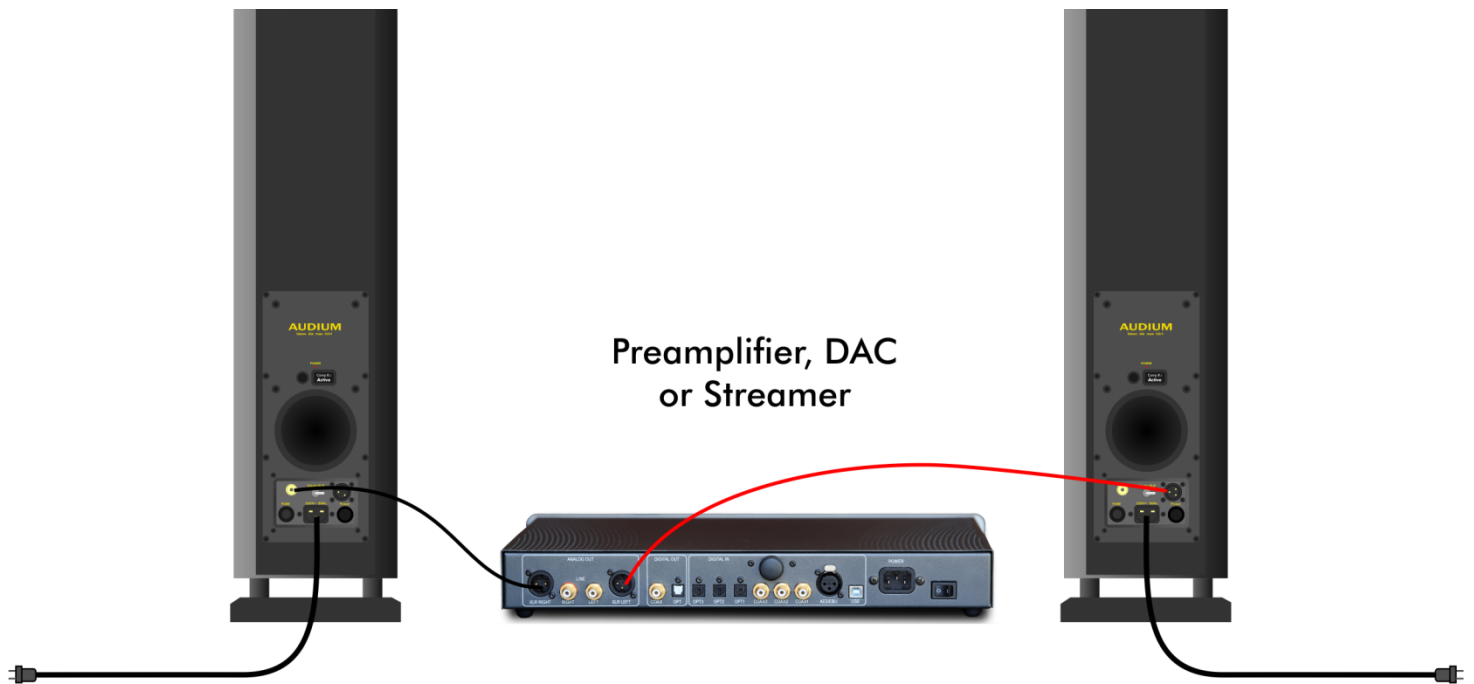
Connecting to a Computer

Computer

USB
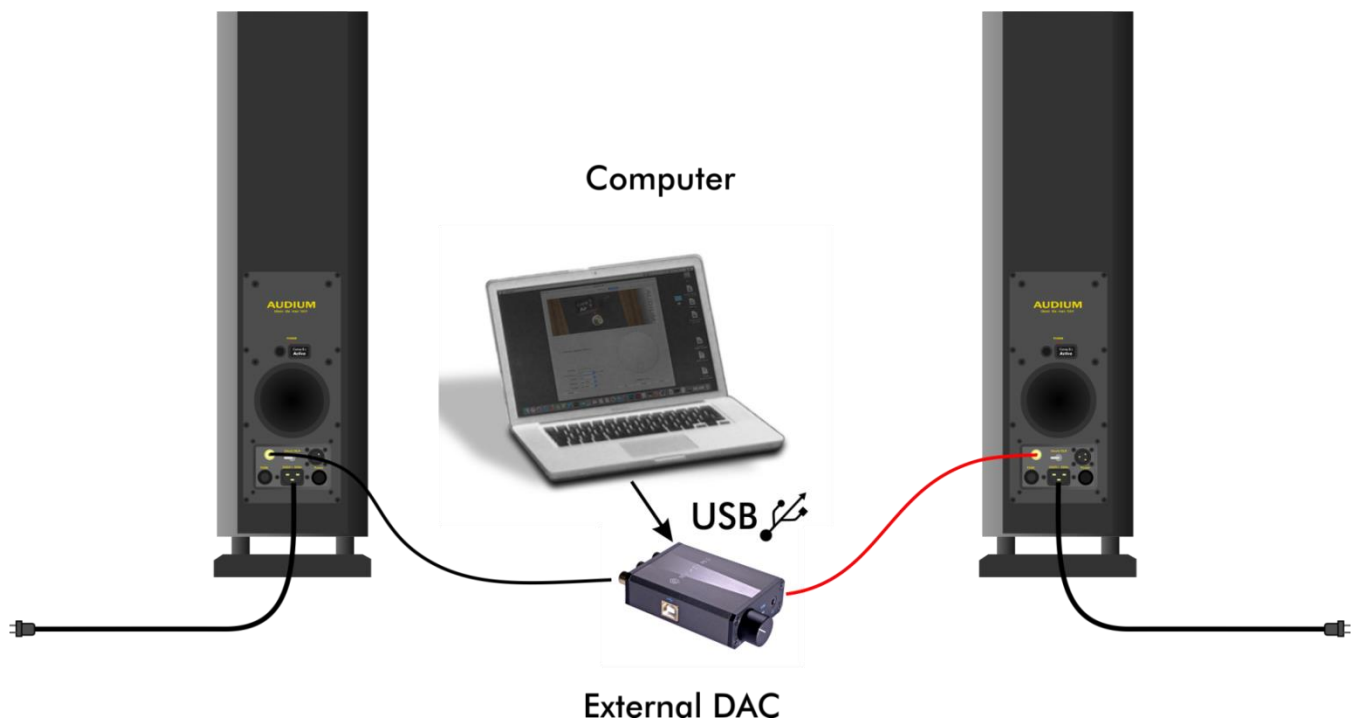
External DAC

If your computer has an optical digital output, it is advisable to connect it to an external converter through this connector since the non-electrical, galvanically isolated connection prevents interference from the computer to the loudspeakers.

Connecting *Drive* Loudspeakers
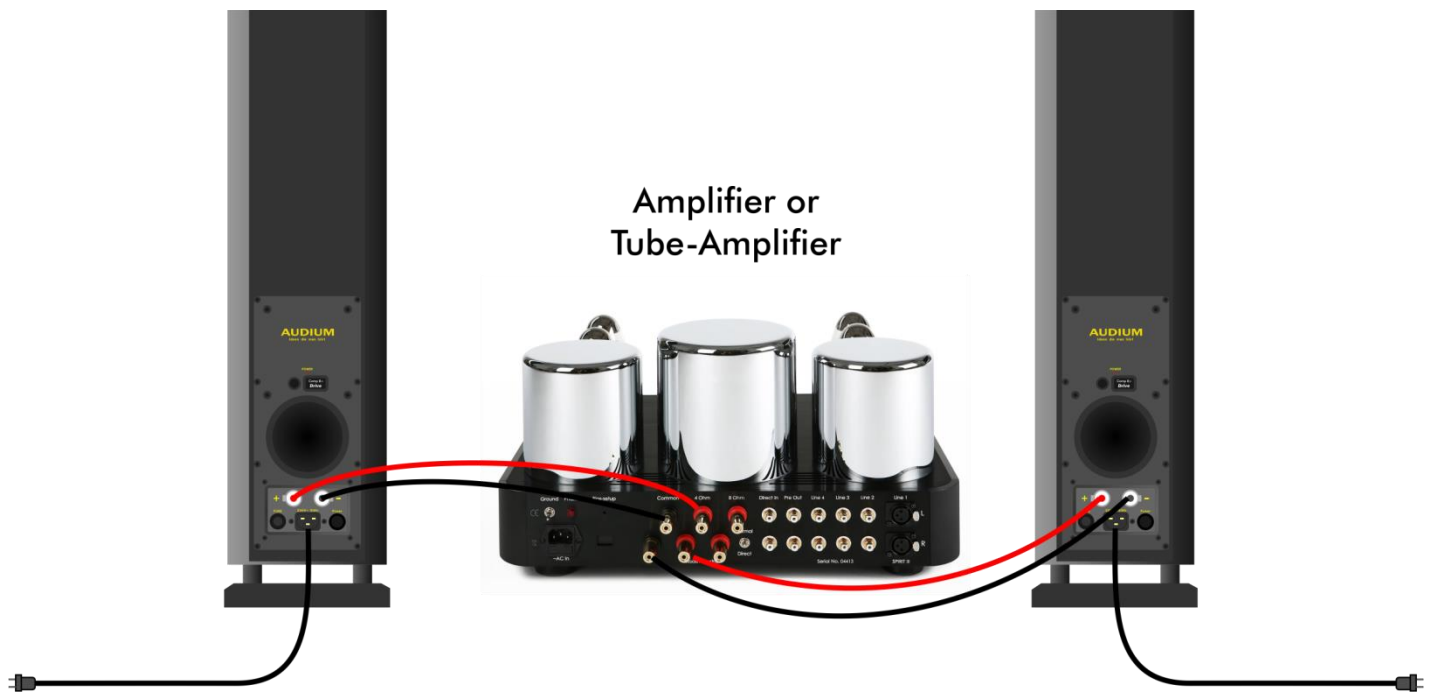
Through the active subwoofer in the AUDIUM *Drive* Speakers, most of the work (for playing the bass signals) is transferred from the amplifier the speakers. The (tube) amplifier can thus concentrate fully on the reproduction of the detailed information which is reproduced via the fullrange-drivers.

Note:
Again, the basic principle applies: a chain is never stronger than its weakest link. Therefore do not try to think too cost-effective when choosing the speaker cables. save you They need to transfer all the music information from the amplifier to the speakers.

Note:
Probably also use a multiple socket outlet. Insert the two power supplies of the speakers in the first two outlets near the connection cable. Do not use extra filtered power outlet outputs. The power supplies have already integrated line filters.
Too much network filtering has a bad effect on the sound quality.

Activating the System

1. Set the speakers to the desired position
2. Connect the music source with a cinch (4), XLR (5) or speaker cable (7) with the speakers as described above.
3. Plug the power cord into the power socket (9)
4. Push the power button (10) to turn on the speakers.
5. The speakers then "boot".
   They show the AUDIUM logo, followed by the status indicator (as shown below).

Operation

The display shows the current status, settings and the setup menu.
Use the rotary knob to adjust the settings on the speaker: Turn clockwise or anticlockwise to navigate through the menu / change values. You can also use it to lock or mute the speaker (see below "Mute and Lock of the loudspeakers").

During normal operation, the display shows the
following display (here from a Comp 8.3 *Active*):

Muting and locking the speaker:

Mute the speaker

If you press the rotary knob while the status is displayed, the loudspeaker is muted. So you can simply stop the playback to plug or unplug the RCA/XLR cable without causing loud hum or drone noises.
Press again to unmute the speakers. This also happens automatically after 10 seconds (this value can be changed in the Setting menu).

Locking the speaker

To prevent unwanted changes to the parameters, you can lock the speaker.
Press and hold the knob while the display shows the speaker status. Further operation is then disabled (and thus prevent the modification of settings by your children!).
To unlock, press and hold the knob again.
If the speaker is disconnected from the mains, the lock is released.

Muted	Unmuted	Locked	Unlocked

Automatic switching on and off

The speakers have integrated music signal detection. If no music is played back, the Speaker goes to standby after 15 minutes (this value can be changed in the Settings menu). If music signal is detected, then the Speaker switch back on automatically.

Note:
If you are the Disconnecting speakers from the mains you have nothing to note. Restarting / plugging brings your speakers back to their last state. All parameters (except the lock - see above) are stored in a long-term memory that does not lose its contents.

The Settings

Navigation through the menu is easy: turn the knob while the status is displayed to open the settings menu.
Navigate through the menu by turning the knob. When you have found the setting you want to change, press the knob, and then change the value.
Press again the button to save the value.

You enter submenus by pushing the knob, and exit them by selecting:
The menu is automatically exited after a certain time.

Settings-Menu

Symbol	Menu	Description	Comment
BASS	Bass	The speaker adjusts the bass accordingly	Values of -1, 0, +1 or +2 are possible .
Position	Speaker Position	Set the speaker position	Choose between Free (in the room), Near the Wall or Shelf (for Comp 3) or Set up in a corner
RAUM	Room Properties	Here you can set the property of your listening room. Depending wether you little or much furniture.	Strongly reverb or reverb, (Room with little equipment) dampened or strongly dampened (in a room with much furniture equipment)
GAIN	Gain	Select the sensitivity of the line-in here.	Possible values are -3dB, 0dB, + 3dB, + 6dB
EQ	EQ Submenu	You can configure an EQ here	
Setup	More Settings	Other speakers - Parameters as Auto-Off, the display parameters ...	See below
Zurück	Exit Menu		

EQ menu

At AUDIUM *Active* and *Drive* loudspeakers you can configure two or one EQ (aka parametric equalizer) to lower or raise frequencies.

This allows to increase or decrease a frequency band.
It can be used to correct drone frequencies or room resonances.

Symbol	Menu	Description	Comment
EQ	EQ On/Off	Turn the EQ on or off.	
Frequ. f_g	Frequency	Set the center frequency here.	Values between 20 Hz and 200 Hz are possible
GAIN	Gain	Set the height of the EQ here	Values between -24 and +6 dB are possible .
Güte Q	„Quality"	Set the quality of the EQ here.	Values between 1 and 10 are possible

The frequency determines the position of the filter, the gain of the filter and the quality the width of the EQ.
The graphic on the right shows different settings of the EQ.

Setup Menu

Here you can adjust further speaker parameters

Symbol	Menu	Description	Comment
Auto Off **1 Min**	Auto Off	Time after which the loudspeaker goes into standby without a music signal	Default value 15 minutes
Time **15 Sec**	Mute duration	Duration after which the muting is automatically canceled.	Default value 10 seconds
Displ. **5**	Display brightness	Changes the display brightness.	Default is 5 (maximum brightness)
Displ. **∞**	Display darkening duration	Period after which the display is automatically faded to black.	Default: display is never darkened (the horizontal 8 stands for infinite)
LANGUAGE **English**	Language	Display Language.	
Reset	Factory Reset	Reset the speaker to factory settings.	Attention! All your settings will be deleted.
INFO	Info	Information about the device	

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