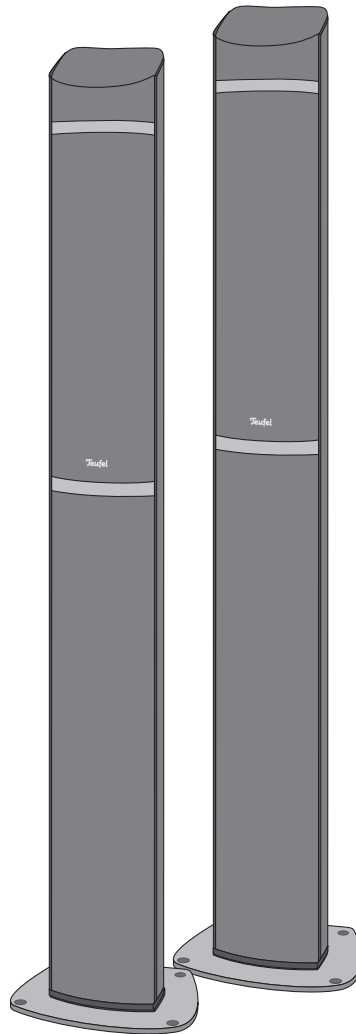


Technical Description and User Manual



LT 5A FR

ATMOS Column Speakers

Teufel

Contents

General Notes and Information	3
Notice	3
Trademarks	3
Original packaging.....	3
Complaints.....	3
Contact.....	3
Proper use.....	3
For Your Safety	4
Signal terms.....	4
Safety notes	4
Explanation of symbols	5
Product Contents and Preparation	6
Unpacking	6
Checking the product contents.....	6
Preparation	6
Mounting the base plate	6
Setting up the Speakers	7
Connectors, Switches, Controls.....	8
Connecting the Speakers.....	9
Settings.....	10
Cleaning & Maintenance.....	10
Troubleshooting	11
Technical Data	11

General Notes and Information

Notice

The information in this document may change without prior notice and in no way constitutes any liability on the part of Lautsprecher Teufel GmbH.

No part of this user manual may be reproduced in any form or be broadcasted in any way electronically, mechanically, by photocopy or recording without the written permission of Lautsprecher Teufel GmbH.

© Lautsprecher Teufel GmbH

Version 1.0

April 2017

Trademarks

® All trademarks are the property of their respective owners.



DOLBY
ATMOS

Manufactured under licence from Dolby Laboratories. DOLBY, DOLBY ATMOS and the double D symbol are trademarks of Dolby Laboratories.

Original packaging

If you wish to exercise your eight-week right of return, we ask that you be absolutely sure to hold onto the packaging. We can only accept the return of the speakers WITH THE ORIGINAL PACKAGING.

Empty boxes are not available!

Complaints

In case of a complaint we will need the following information to process your enquiry:

1. Invoice number

Can be found on the sales slip (enclosed with the product) or on the order confirmation received as a PDF document, e.g. 4322543

2. Serial number or batch number

Located on the back of the device,
e.g. serial no.: KB20240129A-123.

Thank-you for your support!

Contact

Please contact our customer service with any questions, suggestions or criticism:

Lautsprecher Teufel GmbH

BIKINI Berlin

Budapester Str. 44

10787 Berlin (Germany)

Phone 00800 - 200 300 40 (toll-free)

Fax: +49 (0)30 / 300 930 930

Service: www.teufelaudio.com/service

Contact: www.teufelaudio.com/contact

Proper use

The speakers serve to play back music and speech. For the full DOLBY ATMOS experience, you will need an amplifier/AV receiver with a Dolby Atmos signal processor. Only use the speakers as described in this user manual. Any other use will be deemed as not in accordance with the instructions and may lead to damage of property or even persons.

The manufacturer cannot be held liable for damages caused by improper use.

The speakers are intended for domestic use.



Before operating the speaker, please read the safety notes and user manual carefully.

Only in this way, can you ensure that all functions are used in a safe and reliable manner. Store the user manual in a safe place and also be sure to pass it on to any subsequent owner.

For Your Safety

Signal terms

You can find the following signal terms in this manual:

WARNING

This signal term indicates a moderate risk, which, if not avoided, may result in death or severe injury.

CAUTION

This signal term indicates a low risk, which, if not avoided, may result in minor or moderate injury.

NOTICE

This signal term warns you of potential damage.

Safety notes

This chapter contains general safety notes which you should always observe to protect yourself and third parties. Also observe the warning notes in each chapter of this user manual.

Improper electrical installation or excessive mains voltage may result in an electrical shock.

- The mains adapter is suitable for a voltage of 100 – 240 V ~ 50/60 Hz. When connecting the device, make sure that the correct voltage is present. You can find more information in this respect on the mains adapter itself.
- Check the mains adapter regularly for damage. Immediately disconnect the mains plug and do not operate the mains adapter if its housing or mains cable is defective or exhibits other visible damages.
- Only use the enclosed mains adapter or equivalent.
- If the mains cable is damaged, do not use it further. Immediately replace it with a new one.
- If the device emits smoke, smells burnt or produces unusual sounds, immediately disconnect it from the mains and do not operate it further.
- Never open the device housing.
Repairs may only be carried out by an authorised specialist workshop. In the process, only parts that correspond to the original device data may be used.

- Only use the accessory products specified by the manufacturer.
- Only use the speakers in indoor areas.
- Do not use the speakers in wet rooms and protect them against dripping or splashing water. Make sure that no vases or other liquid-filled containers are located on or near the device in order to prevent liquid from penetrating the housing. If water or other debris ends up penetrating the housing, immediately pull the mains plug and contact our customer service department.
- Never modify the device. Unauthorised tampering may affect the safety and functionality.
- Never touch the mains plug with wet hands.

An unsuitable setup location may result in injury and damage.

- If the speakers are not securely mounted, do not use them in vehicles, in unstable locations, on wobbly tripods or furniture, on underdimensioned brackets etc. The speakers may tip or fall over and cause injury to persons or be damaged themselves.
- Place the speakers in such a way that they cannot be knocked over inadvertently and make sure that the cables do not pose a trip hazard.
- Do not place the speakers near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).
- Do not expose the speakers to direct sunlight.
- Do not place open flames such as burning candles or similar on the speakers.
- Do not use the speakers in environments where there is a risk of explosion.
- Only use the speakers indoors and not in wet rooms and protect them from dripping and splashing water.

Children can become trapped in the plastic wrapping when playing and suffocate.

- Do not allow children to play with the speakers and the plastic wrapping.
- Ensure that children do not remove small parts from the device or take them off of the device (e.g. assembly parts). They could swallow the parts and choke.



Extended listening at high volumes may lead to hearing loss.

To avoid damage to health, avoid extended listening at high volumes.

- When the volume is set high, always keep a certain distance from the device and never place your ear directly on the speaker.
- In the amplifier is set to full volume, it may produce very high sound pressure. This may have psychic consequences and also cause physical injury. Children and pets are particularly at risk. Set the volume control of your amplifier to a low setting before you turn it on.

Explanation of symbols

	Protection class II (dual insulation).
	Risk of electrical shock – do not open the housing.
	Only use indoors.
	Polarity on the round connector: outside (–), inside (+).
	Old devices must not be disposed of with household waste! If the device is no longer operational, every consumer is required by law to dispose of old devices separately from household waste, e.g. at a collection point run by the communal authority/borough. This ensures that old devices are recycled in a professional manner and also rules out negative consequences for the environment. For this reason, electrical equipment is marked with the following symbol.

Product Contents and Preparation

Unpacking

⚠ WARNING

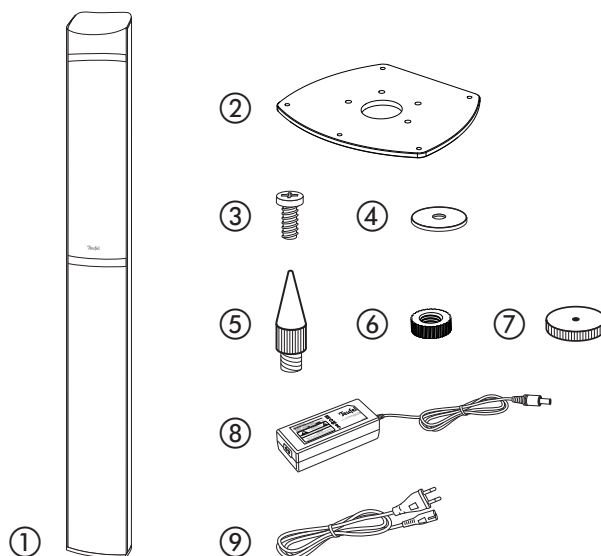
Children can become trapped in the plastic wrapping when playing and suffocate.

- Do not allow children to play with the plastic wrapping.
- Make sure that children do not take any assembly parts out of the box. They could swallow the parts and choke.

Carefully open the box, take out the EPE foam half-shells and carefully lift the speakers out of the box. Also take out the base plates and the other accessories.

Checking the product contents

- Check that all items have been delivered and that nothing is damaged. If anything is missing or damaged, please contact our service department (see page 3).
- Do not use any damaged parts.



- ① 2× LT 5A FR
- ② 2× base plate
- ③ 8× screw
- ④ 8× washer
- ⑤ 10× spike
- ⑥ 10× knurled nut
- ⑦ 10× schim
- ⑧ 2× mains adapter
- ⑨ 2× mains cable

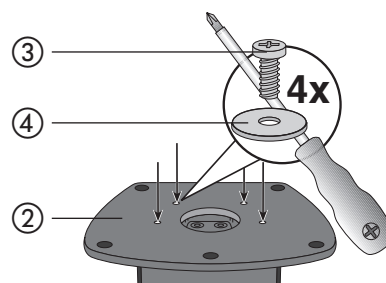
Preparation

Mounting the base plate

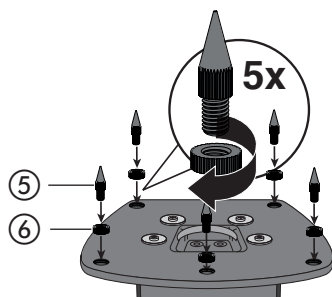
The base plate with the spikes ensures that the speaker has a safe stand and keeps vibrations to a minimum.

You will need a PH2 Phillips screwdriver for mounting.

1. Carefully lay the speaker with the back on a soft, padded base (e.g. the padding from the packaging).

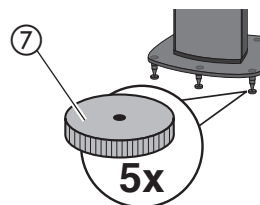


2. Use the screws ③ and the washers ④ to screw the base plate b onto the bottom of the speaker.



3. Screw the knurled nuts ⑥ onto the threading of the spikes ⑤ and then screw the spikes into the threaded holes of the base plate.

4. To compensate irregularities in the floor, you can screw the individual spikes out as desired and fix them in place with the knurled nuts.



5. In the event of soft or sensitive floor surfaces, you should place a shim ⑦ under each spike.

Setting up the Speakers

CAUTION

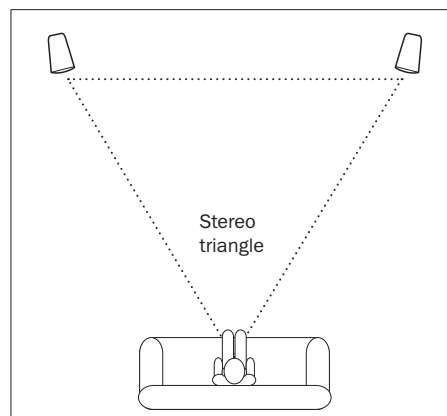
Place the speakers in such a way that they cannot be knocked over inadvertently and make sure that the cables do not pose a trip hazard.

i You can also find extensive notes on proper arrangement on our website www.teufelaudio.com.

- Select a stable, level base and make sure that the speaker is securely positioned.
- Make sure that the environment is clean and free from dust.
- Select a location away from heat sources and direct sunlight.
- Do not place any heavy objects on the cord or the speaker.
- Make sure that the room ceiling is as level and reverberative as possible. This will improve your Dolby Atmos experience.

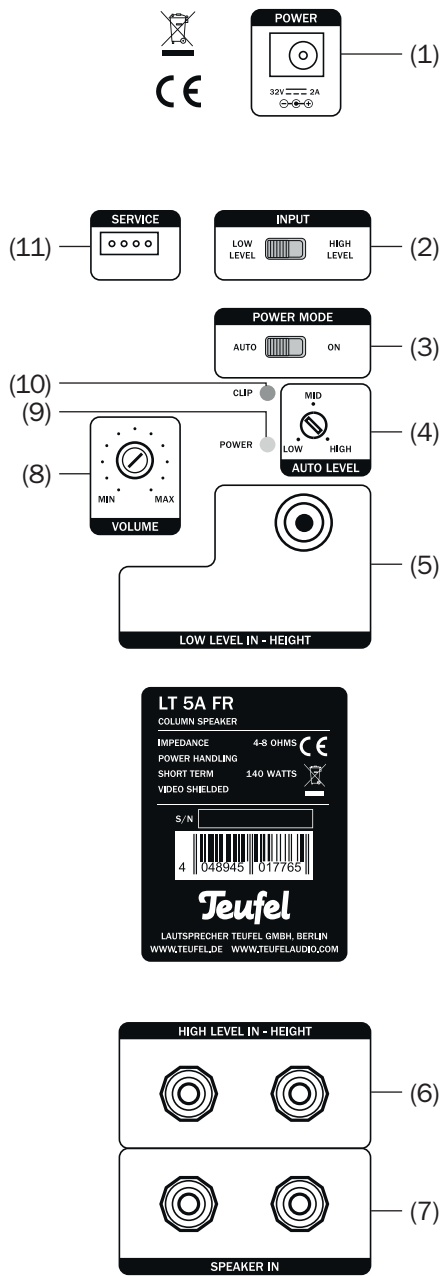
To make full use of the available sound potential of the LT 5A FR,

- place the speakers in a position in the room which is as unobstructed as possible. The distance to the rear panel should be at least 0.5 m.



- set up the speakers so that the listening position and the two speakers form an equilateral or at least isosceles triangle.
- when setting them up, make sure that the distance between the speakers and the listener amounts to at least 2 m.
- These notes are a recommendation. Depending on the room properties and listening situation, it may be worthwhile experimenting with the speaker arrangement. The speaker performance of course benefits from the level of quality offered by the connected components and accessories used.

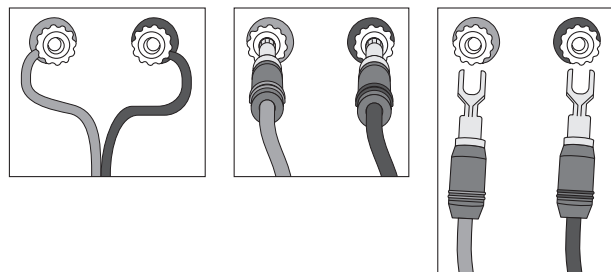
Connectors, Switches, Controls



Item	Name	Description
(1)	POWER	Connector jack for the mains adapter
(2)	INPUT	Select the ATMOS input (5) or (6)
(3)	POWER MODE	ATMOS module→ automatic activation/deactivation or continuously on
(4)	AUTO LEVEL	ATMOS module → Sensitivity for automatic activation/deactivation
(5)	LOW LEVEL IN HEIGHT	Input jack for the ATMOS module from the ATMOS RCA output of the amplifier/AV receiver
(6)	High LEVEL IN HEIGHT	Connector terminals for the ATMOS module from the ATMOS speaker output of the amplifier/ AV receiver
(7)	SPEAKER IN	Connector terminals for the normal, passive part of the box from the speaker output of the amplifier/AV receiver
(8)	VOLUME	ATMOS module→ setting the volume
(9)	POWER	Power control LED
(10)	CLIP	Overload indicator
(11)	SERVICE	Service jack

Connecting the Speakers

i Due to differing customer requirements, the LT 5A FR speakers are shipped without speaker cables. You can find suitable cables in our webshop (www.teufelaudio.com) in the “Accessories” area.

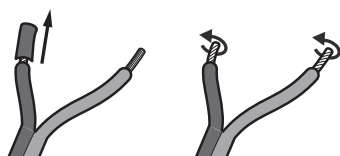


- The connector terminal with 4 pole terminals is located on the back of the speaker. You can connect the speaker cable directly or using pin plugs or cable shoes from our product assortment. The terminals are marked in red (+) and black (-).

i Make sure the polarity is correct!

Connect the like coloured terminals with one another. Otherwise, the sound quality will suffer. The speaker connections of your amplifier should be marked similarly. The individual strands of the speaker cables are marked with different colours or shapes.

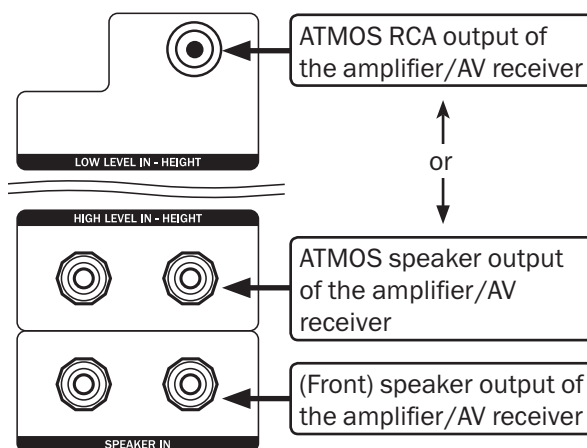
1. Turn off your ATMOS amplifier/AV receiver.
2. Lay the speaker cable from each speaker to your amplifier. For each speaker, you will need
 - a speaker cable for the normal, passive part to the connector SPEAKER IN (7) and
 - either another speaker cable for the ATMOS module to the HIGH LEVEL IN - HEIGHT connector (6) or
 - a mono RCA cable for the ATMOS module to the LOW LEVEL IN - HEIGHT connector (5).
3. If you use a speaker cable with pin plugs or cable shoes from our product range, simply insert the pin plugs in the like-coloured connector terminals. Cable shoes are slid under the terminals and clamped in place.



4. If you use speaker cables without plugs, split the single wires down to approx. 30 mm on both ends and remove approx. 10 mm of the insulation on

each end. Twist the stripped cable ends so that no strands are protruding.

5. Connect the terminals as follows:

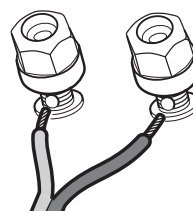


i Use the input **Low-Level-In (5)**, when your amplifier/AV receiver has a line-out output for height speakers.

If your amplifier/AV receiver only has amplifier output (high level out), use the input **High-Level-In (6)**.

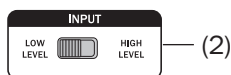
If both outputs on your amplifier/AV receiver are available, you should use the input **Low-Level-In (5)**.

6. Turn the connector terminals counterclockwise until loose.



7. Insert the stripped cable ends in the holes that are now visible. Now turn the terminals clockwise to close them. The cables are now clamped in place.
8. Connect the other end of the cables to your amplifier/AV receiver. You should be able to find corresponding notes in the user manual of your device.
9. Insert the round connector of the mains adapter ⑧ in the POWER jack (1).
10. Connect the mains cable ⑨ to the mains adapter and insert the mains plug into a socket.
11. Switch your ATMOS amplifier/AV receiver back on.

Settings



Select the ATMOS input with this switch:

- LOW LEVEL if you connected the ATMOS module via LOW LEVEL IN HEIGHT (5).
- HIGH LEVEL if you connected the ATMOS module via HIGH LEVEL IN HEIGHT (6).



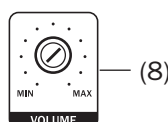
With this switch, you can select how the ATMOS module will behave when switching it on and off:

- AUTO if the ATMOS module is to automatically switch on and off. It will automatically switch on as soon as a corresponding signal is present. It will automatically switch off if the signal remains absent.
- ON if the ATMOS module is to be switched on continuously.



With this control, you can adjust the sensitivity of the AUTO function (see previous section):

- LOW = low sensitivity
- MID = moderate sensitivity
- HIGH = high sensitivity



With this control, you can adjust the volume of the ATMOS module to the volume of the passive part of the speaker box.

- MIN = lowest volume
- MAX = highest volume

CLIP (10)

This LED illuminates when the ATMOS module is overloaded. Reduce the volume when the CLIP LED lights up.

Cleaning & Maintenance

NOTICE

Using the wrong cleaning agents may damage the high-quality surface.

– Do not use caustic cleaning products, white spirit, thinner, petrol or similar under any circumstances. Such cleaning agents may damage the delicate surface of the housing.

- Ideally, you should remove dust or small amounts of dirt with a dry, smooth leather cloth.
- Rub off stubborn dirt with a damp cloth. Make sure that no liquid penetrates the speakers.
- If possible, only use plain water without any additives. In case of stubborn marks, a mild soap solution may be used.
- Then immediately wipe the surfaces dry with a soft cloth without applying pressure.

Troubleshooting

The following advice should help you to solve problems. If this does not help, you will find useful information in the detailed FAQs on our website. Otherwise, please contact our hotline (see page 3). Take note of the warranty instructions.

Problem	Possible cause	Solution
The ATMOS module is not working.	No power is being supplied.	Check the mains adapter connections. Check whether there is voltage at the socket.
	Incorrect input selected.	Select the correct ATMOS input with the INPUT switch (2).
	Overload protection has triggered and the CLIP LED (10) lights up.	Reduce the volume of the ATMOS module with the VOLUME control (8) or reduce the overall volume.
Playback is noisy.	Generally speaking, the speakers are very low noise. In the high range area, very high-resolution speaker systems can expose the poor quality of a signal source (e.g. from MP3 files).	Make sure that the source is emitting a clear signal.
The sound seems dull.	Speakers have been connected with incorrect polarity.	Check to make sure the cables of all speakers are correctly connected.

Technical Data

Dimensions column (WxHxD)	15 cm × 132 cm × 13,4 cm
Dimensions base plate (WxHxD)	28 cm × 4 cm × 23,5 cm
Weight	12,2 kg
Impedance	4 – 8 ohm

You can find further technical data on our website. Technical changes reserved!



This appliance fulfils the applicable European and national guidelines. This is confirmed by the CE mark (corresponding declarations are kept with the manufacturer).



For questions, suggestions or other issues please contact our customer service department:

Lautsprecher Teufel GmbH
BIKINI Berlin
Budapester Str. 44
10787 Berlin (Germany)

Phone.: 00800 200 300 40 (toll-free)
Fax: +49 (0)30 - 300930930
Service: www.teufelaudio.com/service
Contact: www.teufelaudio.com/contact

No liability is accepted for the accuracy of this information. Technical changes, typographical errors and other errors reserved.