

Hints for Setting up your AUDIUM Air Speakers:

Since the transfer of Audio Data is done wirelessly, it is subject to distortions from the surround. It is hard to reach a 100% stable audio-transmission. But to gather ideal results while having this big number of WLANs in cities it is recommended to check the Points list below.

1. Always use High Quality Routers and Wifi-Accesspoints. Good routers provide QoS and Bandwidthmanagement and assign higher priority to Audio Data then bulk data. (WMM = Wi-Fi Multimedia [https://de.wikipedia.org/wiki/Wi-Fi_Multimedia]).
Have a look whether the firmware of your Router is in the newest version!
2. If possible, use for all other WiFi Devices the 5G Band.
This reduces traffic in the 2.4G Band which is used by the AUDIUM Air Speakers.
3. The AUDIUM App shows the Signal Strength to the WiFi Accesspoint.
As long as possible, place the AUDIUM Air Master as close to your WiFi Router as possible.
The App then shows a higher value. You can then assign left and right channel to the speakers in the settings if you had to exchange them.
4. A general rule is: as smaller the distance between Sender (Smartphone, Laptop, ...) and Receiver (Air Master) as higher the transfer quality / stability.
5. Some Routers show Wifi Channel assignments and signal strength. Have a look there and choose a channel that is least used of all. If possible, deactivate this monitoring feature again.

MacOS also supplies good tools: Hold Alt+ click on WLAN Symbol => open Diagnose => Scan => lists a report with recommended free channel.
2.4G has 13 Channels. 9+10 are used by Microwave ovens, 1, 6 and 11 do not overlap.
If there is another router close to you, choose a channel with +/-3 [http://praxistipps.chip.de/wlan-einrichten-welchen-kanal-waehlen_34273]
6. Deactivate „Search for WLANs“ feature in WiFi devices
7. If you play back Music from a mobile device, try to keep the distance between it and the master as short as possible.
8. If interruptions should occur, so use the Air Master in AP (AccessPoint) Mode.
So you do not rely on any other router hardware.
9. Have a look at the Signal/Transfer-Quality under MacOS (WiFi Diagnose). There you can watch for bad signal quality and distortions in your channel.
10. The Antenna of your Router and AIR Master has a sensitivity similar to a Donut. If possible, keep the antennas in an upright position without any obstacle inbetween.
11. Use a separate WLAN (ideally with separate WiFi Router) on a unique Channel only for the Audio transfer.