

VoxR WIFI Requirements

Dear WIFI-Provider,

Your client asks you to provide WIFI for the digital audience interaction tool VoxR.org (www.voxr.org/intro). We, the VoxR-team, want to make sure that all specifications are right.

There are 5 important things for an optimal VoxR performance:

1) The number of possible simultaneous connections:

Please make sure, that the access point(s) should allow as many connections as number of participants. Usually this is not a problem these days, but please check anyway: The following website lists the number of possible connection for each access point model:

<http://www.smallnetbuilder.com/tools/charts/router/bar/77-max-simul-conn?task=archiveon>

2) Amount of data:

This shouldn't be a problem either, because VoxR uses very little data. You are safe with the following data bandwidth*:

Number of participants	Internet bandwidth presentation PC	Internet bandwidth participant`s mobile phones	Internet bandwidth total
250	400Kbit/s	2000Kbit/s /	2.400 Kbit/s
500	600KBit/s	4000Kbit/s	4.600 Kbit/s
750	800KBit/s	6000KBit/s	6.800 Kbit/s
In comparison: Typical small private connection in Germany			16.000 Kbit/s

*As soon as one or more mobile phone networks are available, the required data bandwidth is reduced even further.

3) Update Lock

One problem is when mobile phones get Gigabyte-Wise updates because they "think" that they are now in their home WLAN (most mobile phones are set this way). This can be remedied by **blocking the common Update server**, at least the one at: www.voxr.org/update-blocking.

4) SSID / Password

Please have it very easily for the participants and – in agreement with your client – set up a hotspot name that is SIMPLE and directly connected to the event. For that we recommend to set up a hotspot without any password or – if not possible - with a very simple one.

5) Additional: LAN-Cables

Please provide 2 stable Lan-Cables (NO WIFI) for the presentation-PC AND the control-PC.