

Important note for using WiFi extension cables with the KLICK&SHOW receiver unit:

In some situations, the KLICK&SHOW wireless presentation receiver (base unit) needs to be installed outside the optimal “line-of-sight” position, in a hidden or even "shielded" environment in the meeting room. Usually the quality of the RF transmission will then suffer significantly, which results in a shortened transmission distance. This is especially the case if the KLICK&SHOW receiver is used behind e.g. a large format display with metal housing, in a metal sideboard or inside a closed 19” rack – which all represent a so-called “Faraday cage” to the receiver.

As a solution, the WiFi antennas can be detached from the KLICK&SHOW base unit by using RF extension cables.

Please follow the below recommendations for selecting proper RF cables to ensure a minimum antenna signal loss and to maintain the best possible performance of the KLICK&SHOW wireless presentation system:

- The cable must be made of a 50 ohms impedance RF cable material, specified for a max. frequency of > 6 GHz
- Use WiFi cables made of flexible, double-shielded, “low loss” cable material, e.g. CLF200 or CFD200 with an outer diameter of approx. 4.9mm
- Cables must be terminated on both sides with SMA Reverse connectors (male/female), (see picture)
- The recommended cable attenuation should not exceed:
2.4 GHz: 0.65 dB per meter
5.8 GHz: 1.0 dB per meter
- The cable length should not exceed 3m. The shorter, the better! Use 0.5m cables if possible!
- Using a 3m cable with 1.0 dB/m attenuation per meter results in a $3\text{m} \times 1.0\text{ dB/m} = 3\text{dB}$ (50%) transmission power loss, which reduces the max. transmission distance to about 70%

