



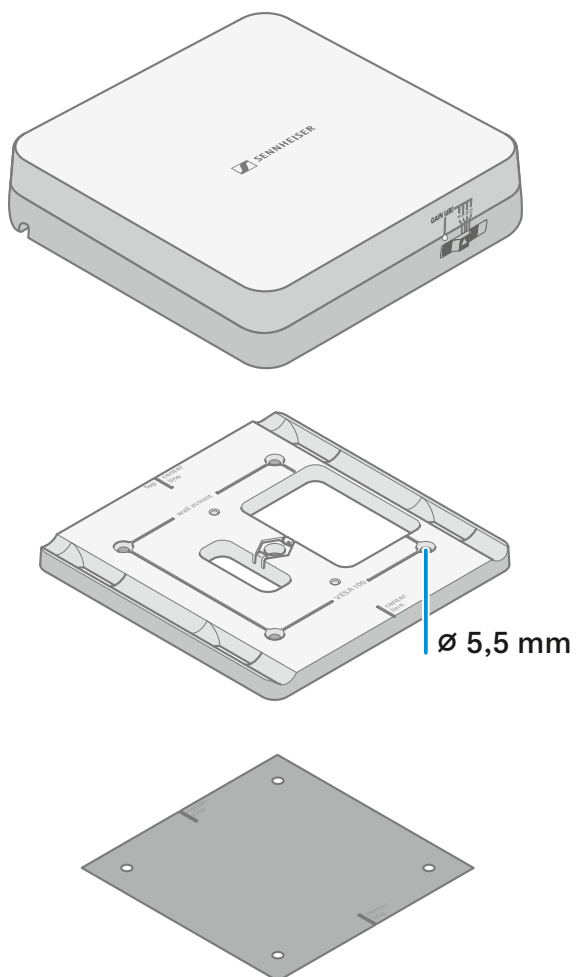
**SENNHEISER**

**AWM UHF (470-694 MHz)  
AWM UHF (823-1075 MHz)  
AWM 1G8 (1785-1805 MHz)**

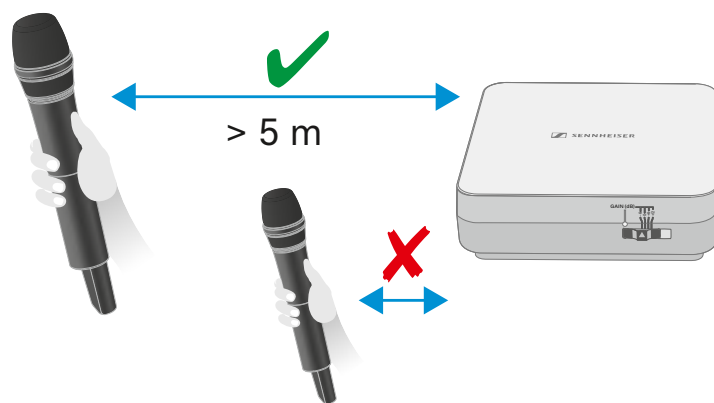
**Model: AWM Antenna**

**Quick Guide**

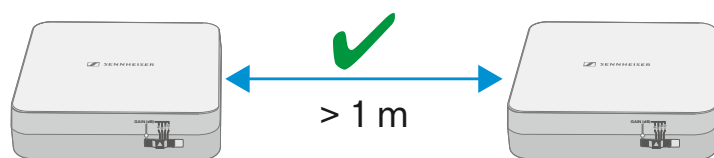
## In the box



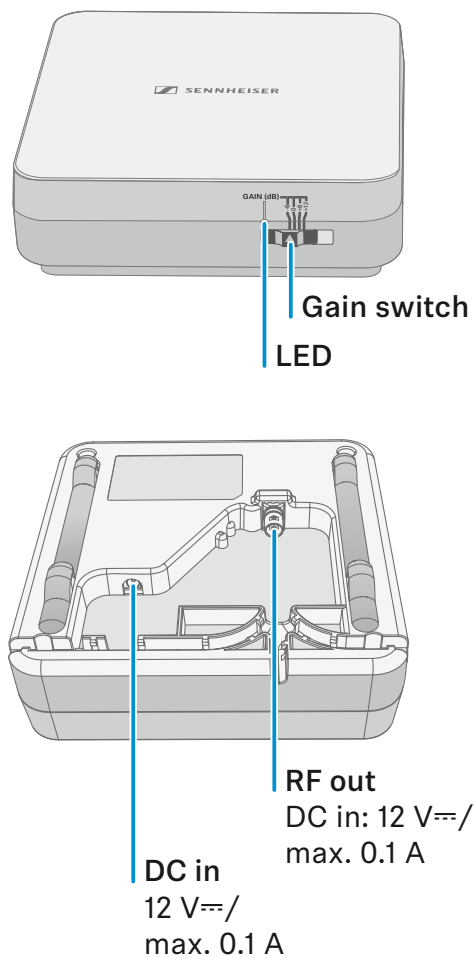
## Setup



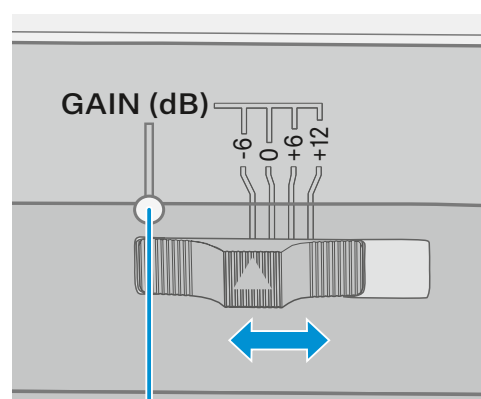
### Diversity



## Overview



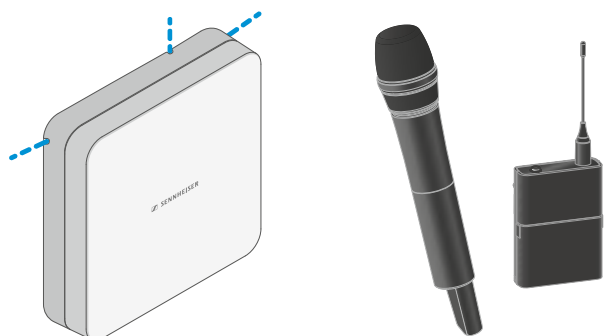
## Gain



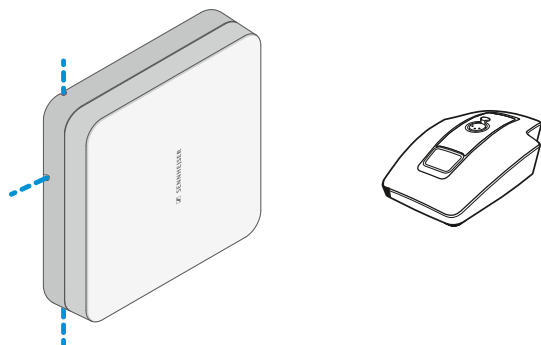
|     |                              |
|-----|------------------------------|
| ○   | +12 dB                       |
| ●   | +6 dB                        |
| ●   | 0 dB                         |
| ●   | -6 dB                        |
| OFF | no or insufficient DC supply |

# Polarization

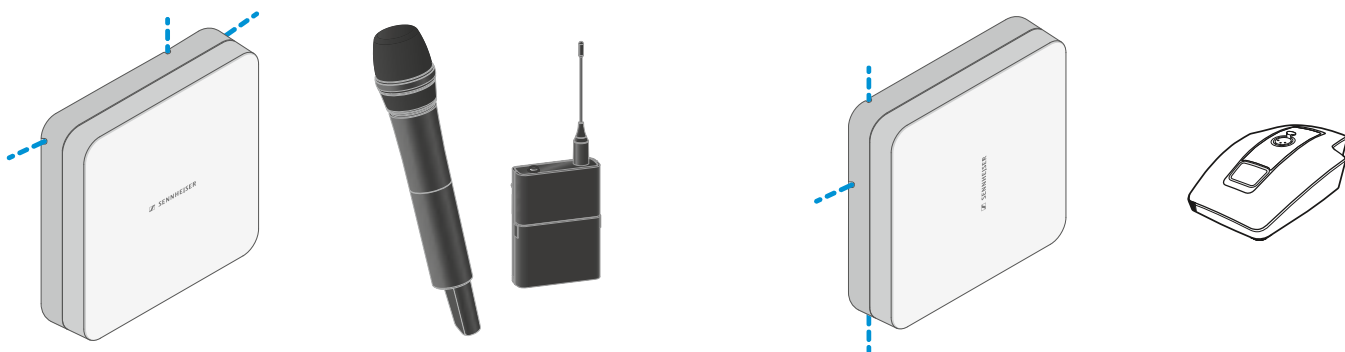
**Vertical (normal orientation)**  
best for handheld/bodypack



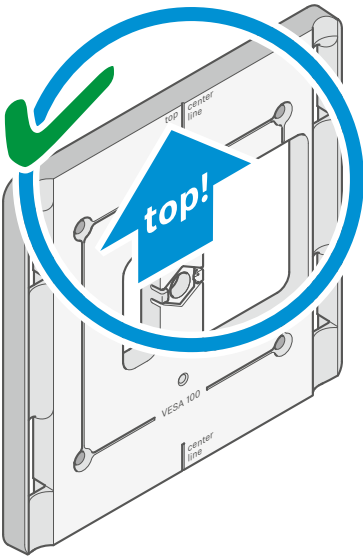
**Horizontal (rotated orientation)**  
best for tablestand



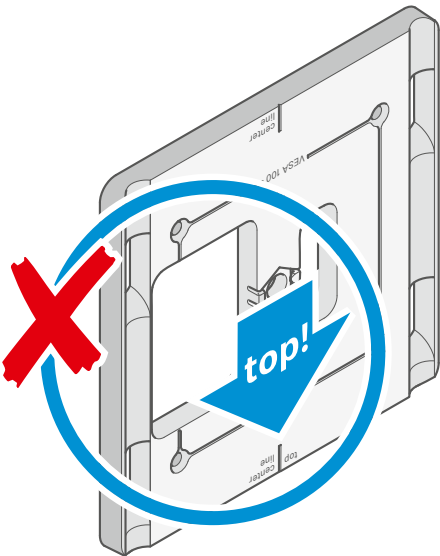
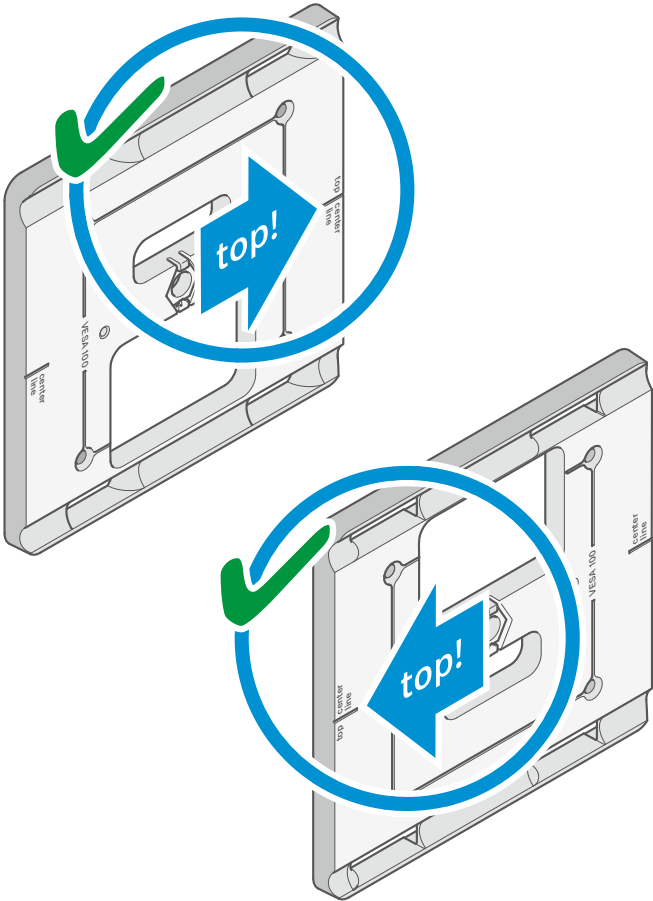
**Vertical and horizontal (mixed orientation)**  
best for mixed transmitter



Vertical polarization



Horizontal polarization



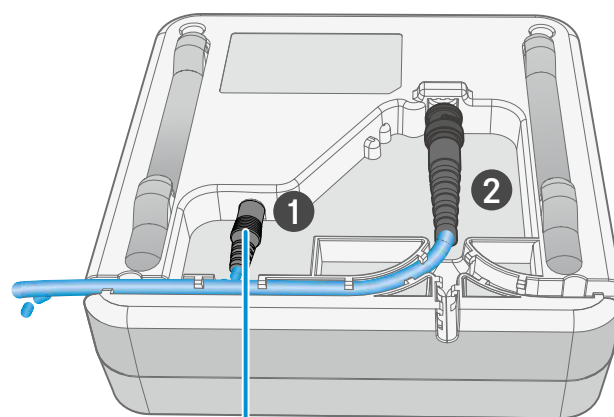
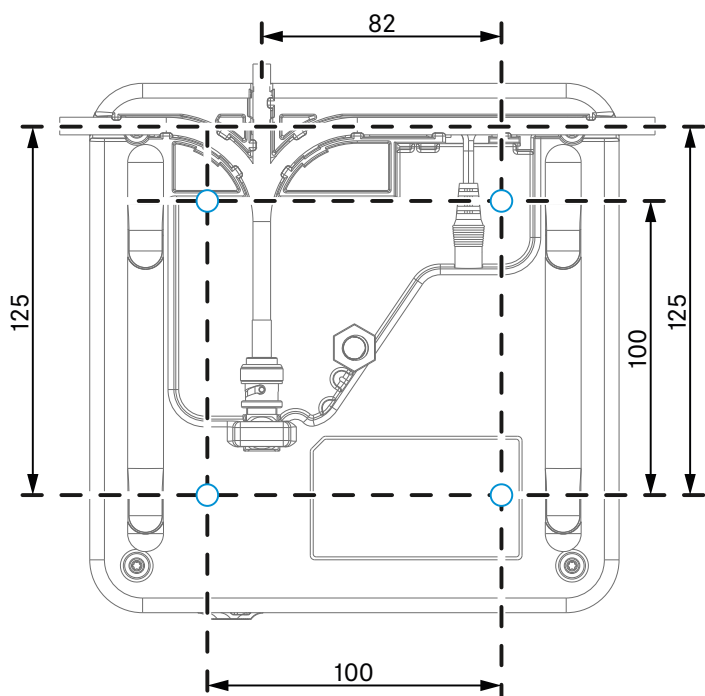
Recommended cable lengths

To ensure reliable operation, observe the following maximum antenna cable runs and set the gain accordingly:

| Frequency range<br>around | Gain   | Max. cable length (m) |           |
|---------------------------|--------|-----------------------|-----------|
|                           |        | RG 58                 | GZL RG 8x |
| 500 MHz                   | -6 dB  | 4.5                   | 9         |
|                           | 0 dB   | 9                     | 18        |
|                           | +6 dB  | 18                    | 36        |
|                           | +12 dB | 36                    | 72        |
| 700 MHz                   | -6 dB  | 3.5                   | 7         |
|                           | 0 dB   | 7                     | 14        |
|                           | +6 dB  | 14                    | 28        |
|                           | +12 dB | 28                    | 56        |
| 900 MHz                   | -6 dB  | 3                     | 6         |
|                           | 0 dB   | 6                     | 12        |
|                           | +6 dB  | 12                    | 24        |
|                           | +12 dB | 24                    | 48        |
| 1800 MHz                  | -6 dB  | 2                     | 4         |
|                           | 0 dB   | 4                     | 8         |
|                           | +6 dB  | 8                     | 16        |
|                           | +12 dB | 16                    | 32        |

# Cable Routing

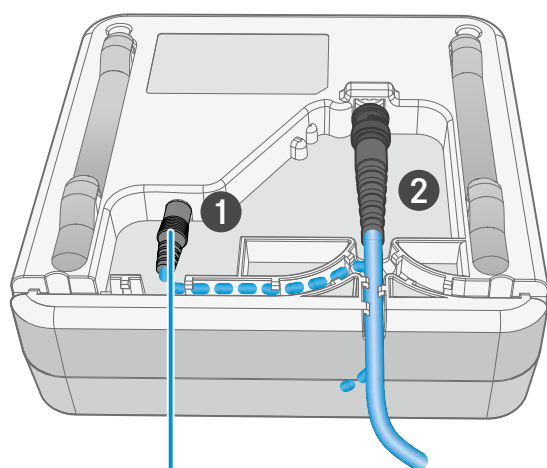
Drill plan / cable positioning



DC in optional  
(if no DC via coax)

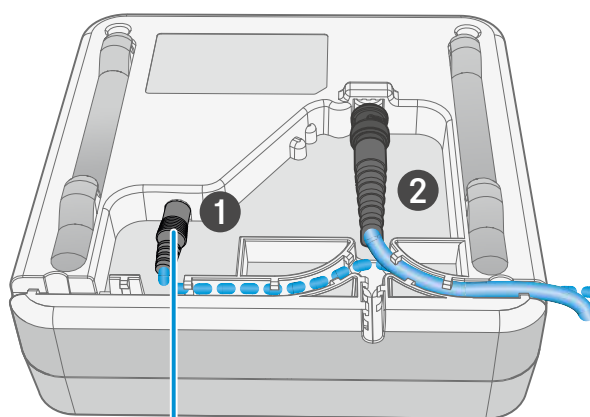
**RF cable\* inside antenna:**  
length >205 mm  
 $\varnothing < 6$  mm

\*not included



DC in optional  
(if no DC via coax)

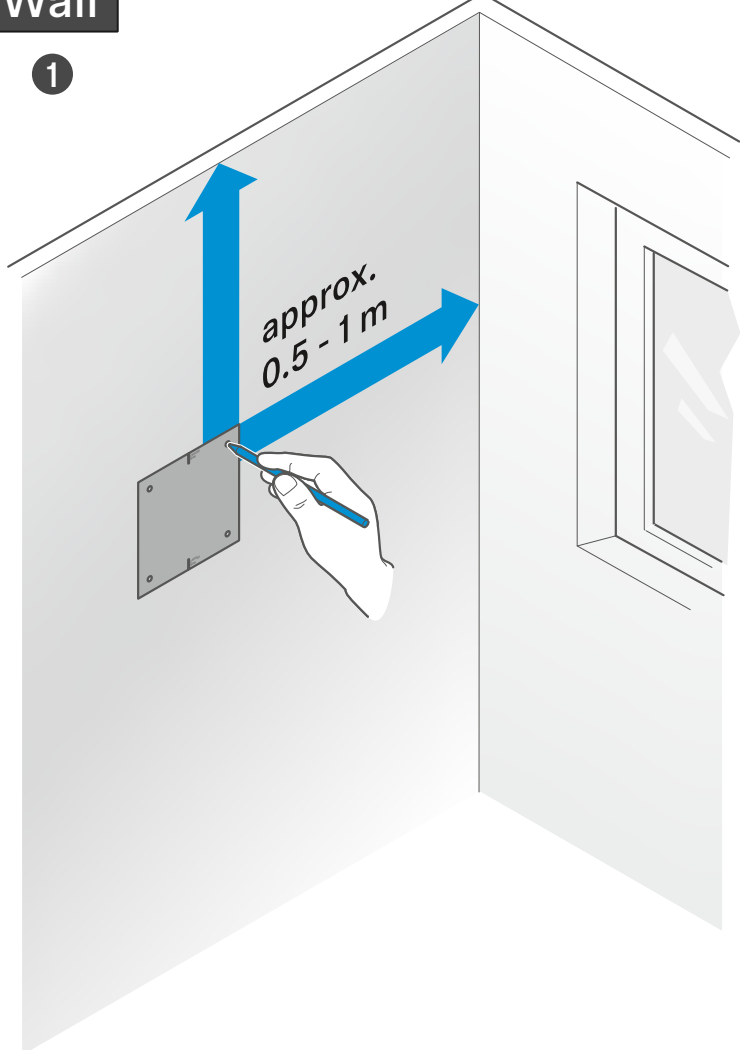
**RF cable\* inside antenna:**  
length >110 mm  
 $\varnothing < 6$  mm



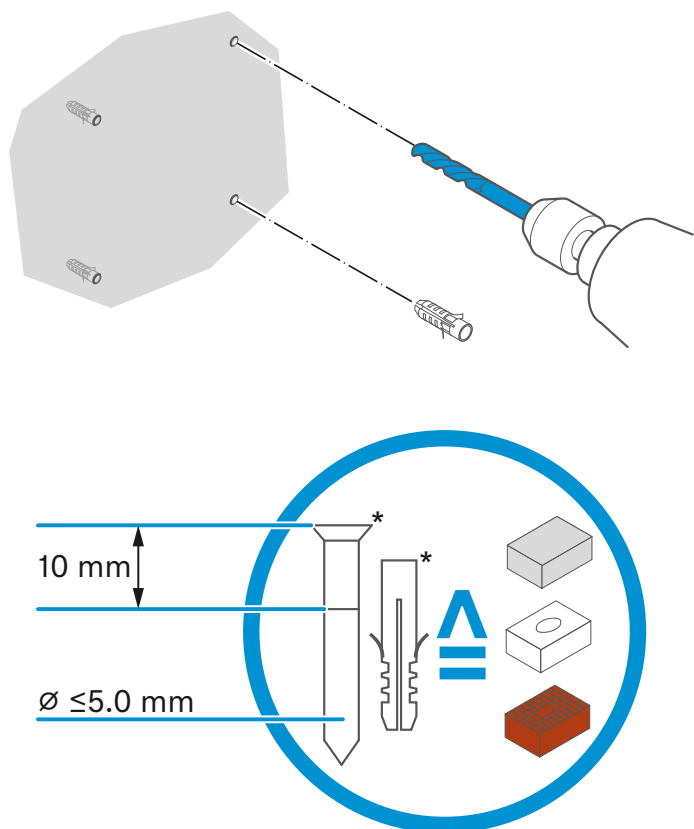
DC in optional  
(if no DC via coax)

**RF cable\* inside antenna:**  
length >140 mm  
 $\varnothing < 6$  mm

1

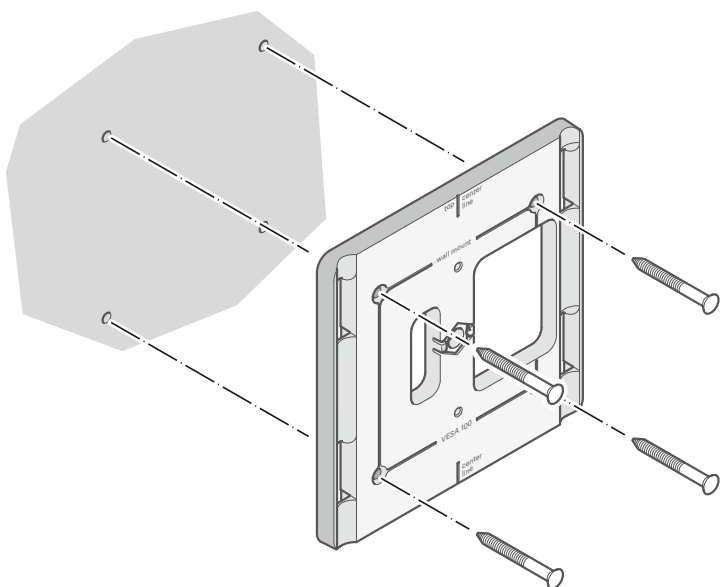


2



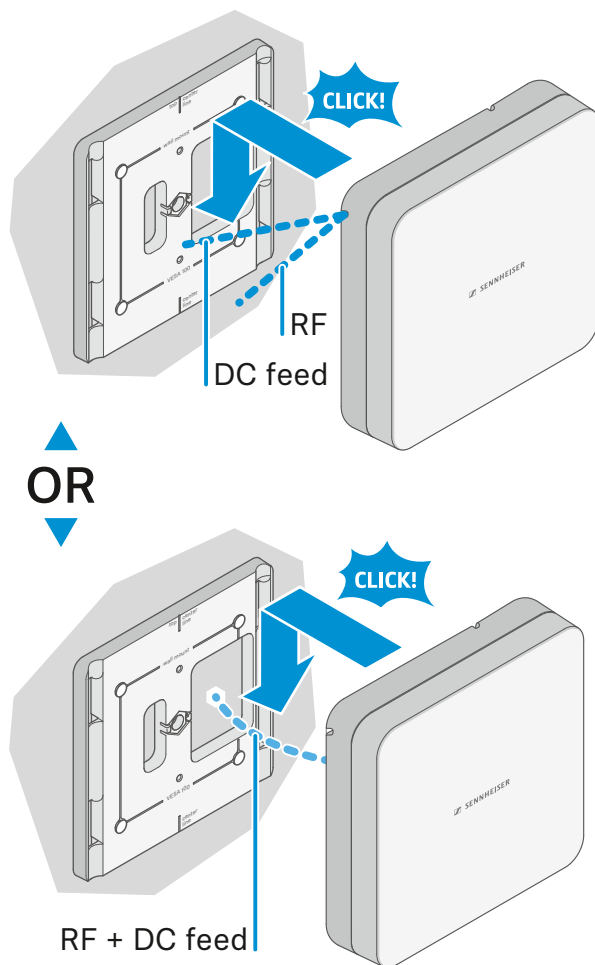
\*not included

3

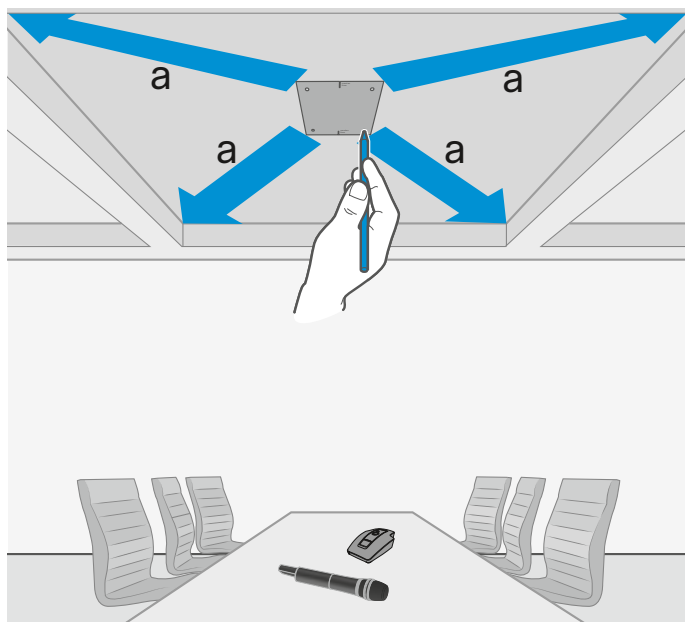


4

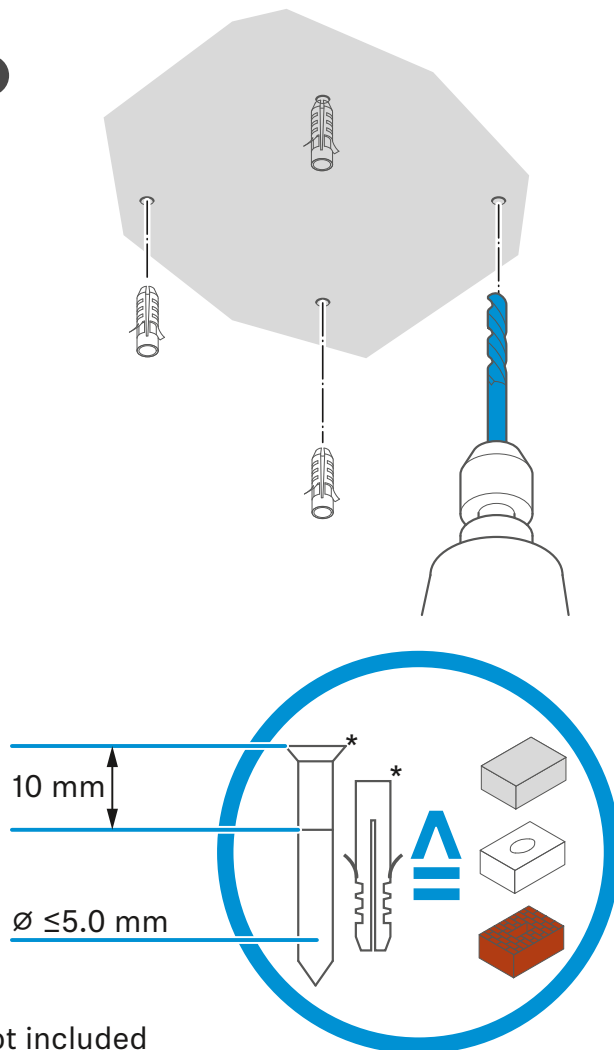
Example for vertical polarization



1

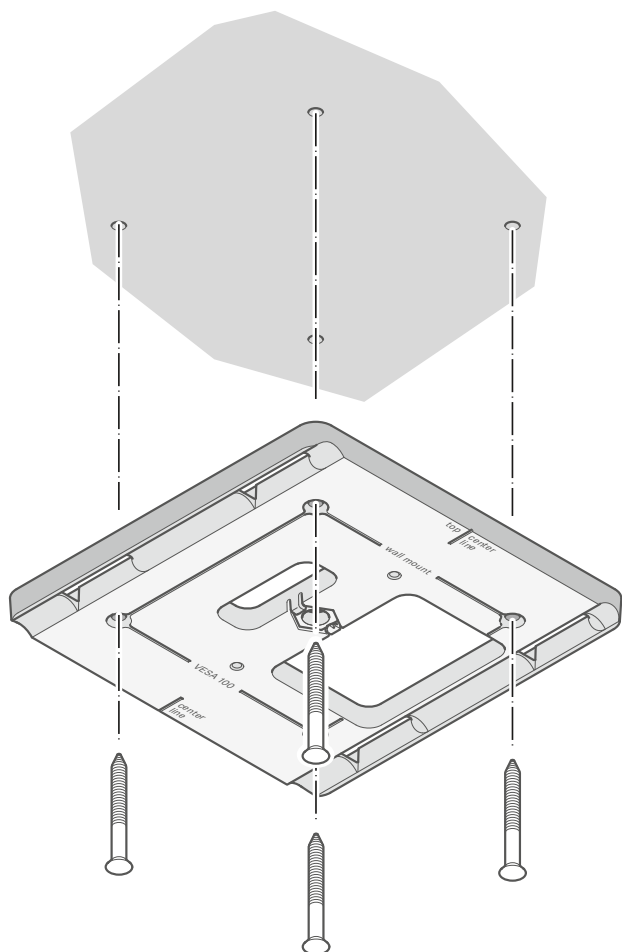


2

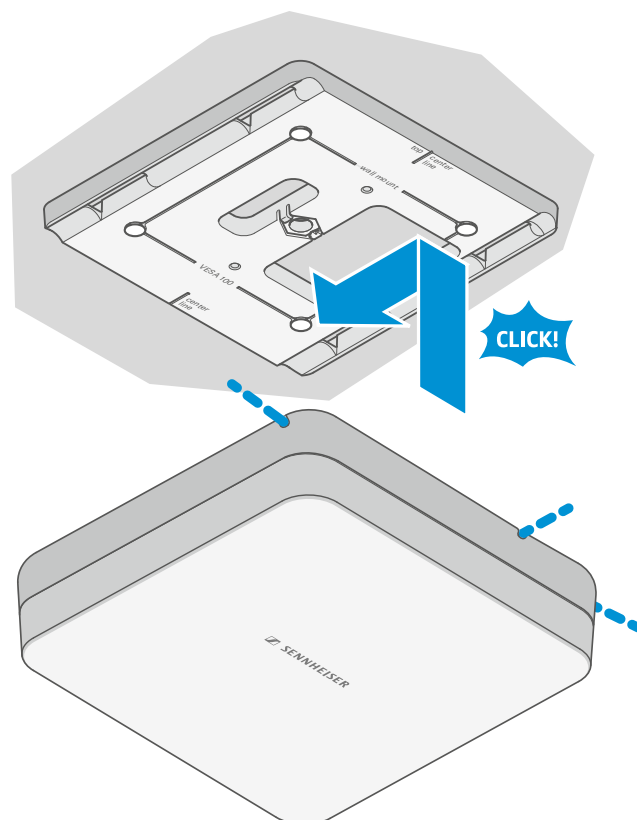


\*not included

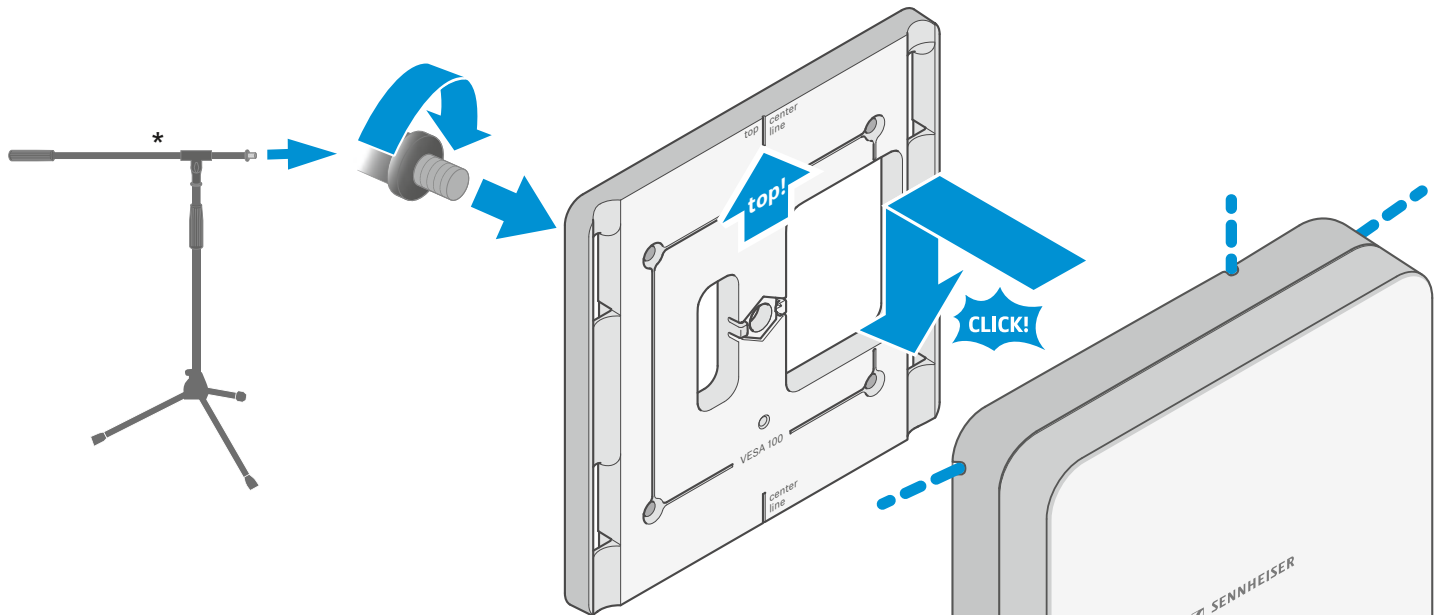
3



4



## Tripod\* / Mic Stand\*



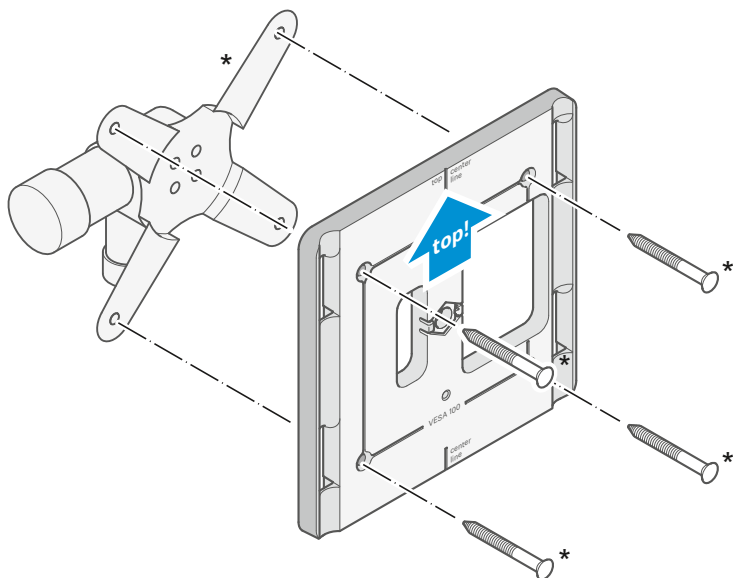
\*not included



Instruction manual

## VESA 100\*

1



\*not included  
VESA 100 holder can affect the RF reception

2

