Auri - Coverage and Install Guide

Transmitter

Receiver

Charging dock

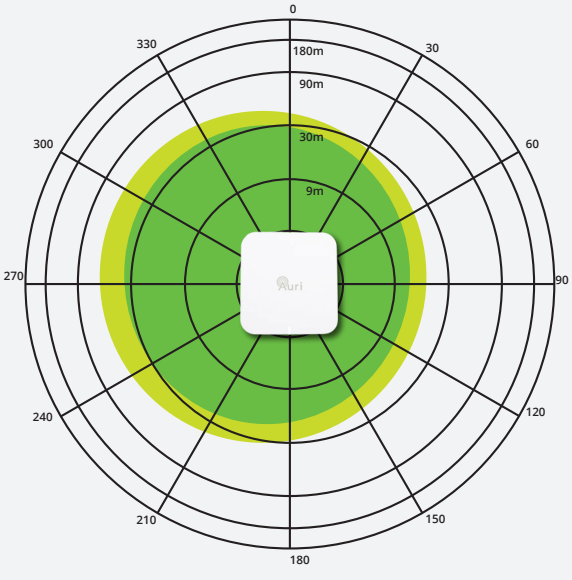
Auri™ can be installed in any venue to enable hearing accessibility. To ensure optimal performance, consider the following installation guidelines.

Auri™ transmitters can cover a wide area within a venue. This application note, along with other resources, provides users and installers with guidance on how to install the Auri TX2N and TX2N-D for optimal coverage, placement, and location within the venue. It also offers examples to illustrate different scenarios.

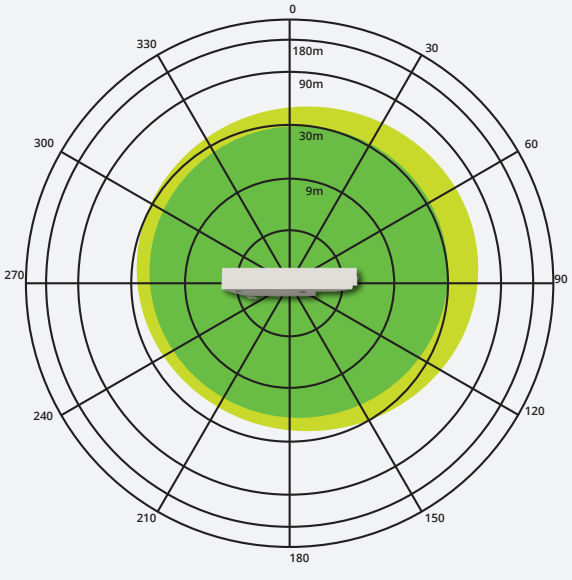
Each venue will have slight differences, and there may be times when the installer needs to apply various mounting options to cover the venue optimally.

General Coverage

Auri™ transmitters have a coverage area of approximately 30-40 meters in any direction to achieve an RSSI of -70 dBm using RX1 receiver. Performance will be influenced by factors such as the venue layout and the density of people, among others.



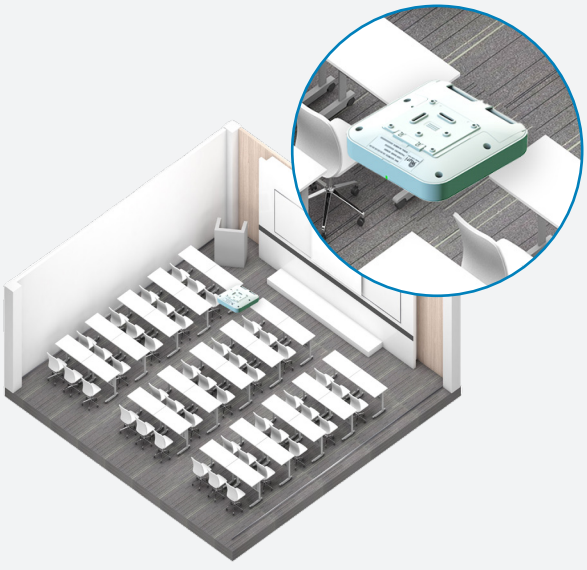
Ceiling Mounting



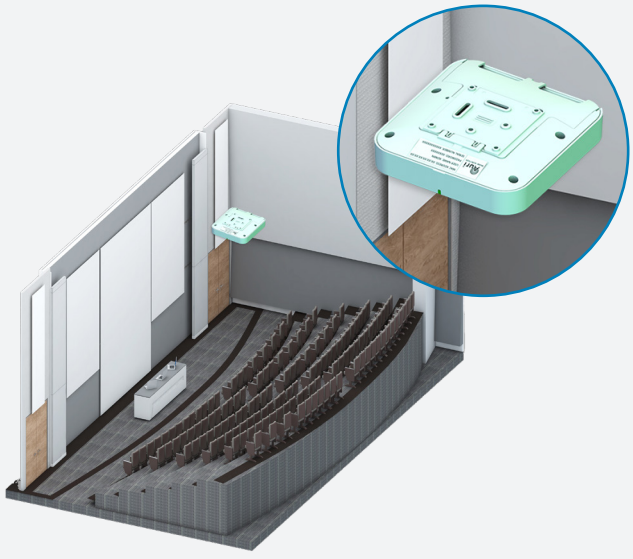
Wall Mounting

Transmitter Ceiling Mounting

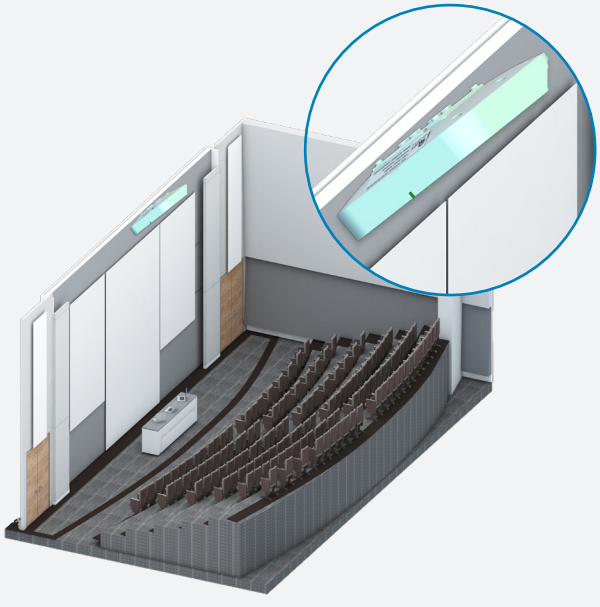
Optimum position for the TX2N to be mounted on the ceiling, in a typical venue.



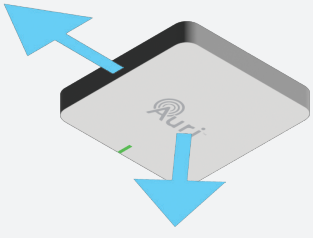
Horizontal coverage of a flat floor space



Horizontal coverage of a tiered seating area



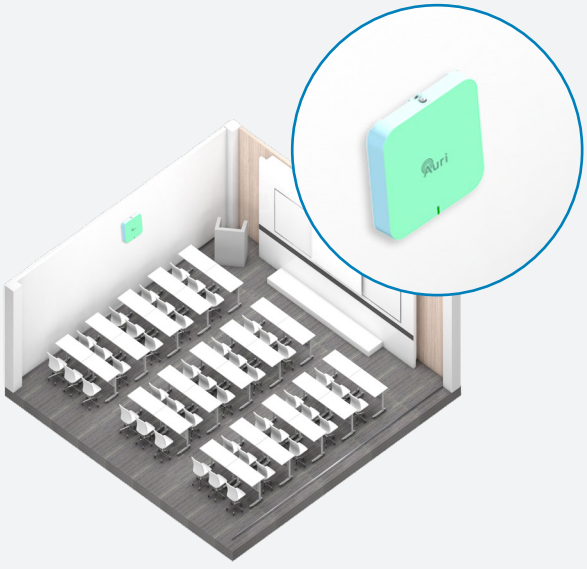
Angled coverage of a tiered seating area



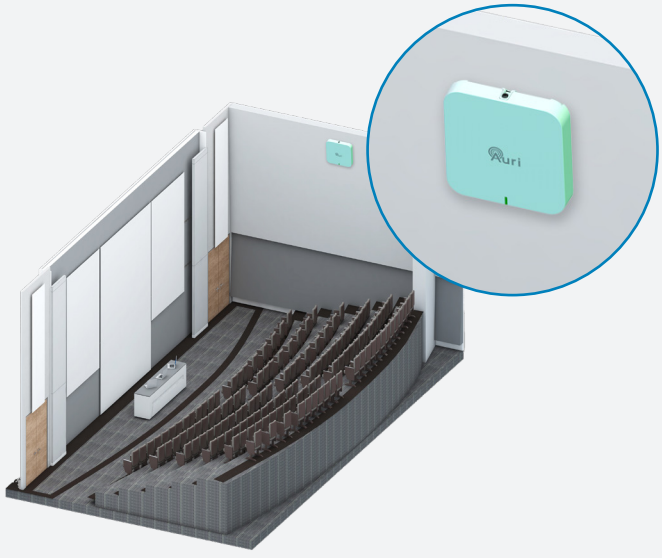
Horizontal Mounting with Optimal Positioning Direction

Transmitter Wall Mounting

Optimum position for the TX2N to be mounted on the wall, in a typical venue.



Vertical coverage of a flat floor space



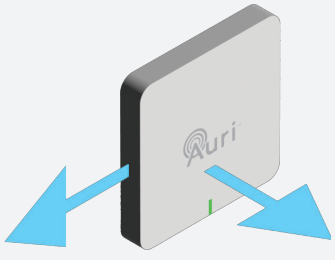
Vertical coverage of a tiered seating area

Commissioning Tools

Radio Coverage

We recommend conducting a site walk during installation to ensure adequate signal coverage. Use an Auri RX1 in commissioning mode (v1.4 FW release feature).

- The coverage tool is intended to be used as a guide for transmitter replacement prior to finalising the installation locations.
  Note: The venue should be empty during this phase.



Vertical Mounting with Optimal Positioning Direction

Audio Quality of Service

Conduct a quality-of-service test during installation using an Auri RX1 in commissioning mode (v1.4 FW release feature).

- After selecting the transmitter locations, use the Quality of Service tool to verify adequate signal quality across the venue.
- Connect to an available broadcast in the venue and repeat the test for each one.
- Run all systems and services (e.g., Wi-Fi) as they would be during normal use.

Other Resources

UP3B608-01 Auri™ Installation Best Practices Guide