

Qt® Conference Room Edition System Layout Guidelines for Courtrooms

1 Determine where to put the emitters

- The shape of the courtroom will primarily dictate where to put the emitters.
- The goal is to provide privacy on demand for justices when they are speaking to attorneys, witnesses, plaintiffs, defendants, etc. without being heard by jurors, spectators, or other unintended listeners. If the walls outside of the actual courtroom are thin, masking adjacent areas may also want to be considered.

2 Determine the number of emitters

- The number of emitters is primarily based on the size and shape of the courtroom. Emitters should be located along the outside of the bench area; this includes adjacent spaces such as the gallery and jury box.
- Emitter spacing should generally follow CSM's guidelines for open office sound masking layouts, as follows:

Ceiling Height	Emitter Grid Spacing
Less than 8' 5" (2.6m)	8' (2.5m) by 8' (2.5m)
8' 6" (2.6m) to 11' 6" (3.5m)	10' (3m) by 10' (3m)
11' 7" (3.5m) and above	12' (3.7m) by 12' (3.7m)

- For most applications, two rows of emitters above the jury area and the gallery are sufficient; however some situations may dictate that more than two rows are necessary to provide the level of acoustic privacy required.

3 Determine control module & privacy sign placement

- The control module should be located in a place easily accessible to the justice.
- If placing a control module in or near the justice's bench is not possible, consider installing the module elsewhere and connecting the module to a simple control latching switch that is accessible to the justice.
- Two LED privacy signs are provided – one should be located in a place where it is visible to the justice. The other could be placed in a location where it is visible to other occupants, if desired.

4 Consider accessories

- Universal Bracket – allows the emitter to be installed in open plenum designs or mounted to a vertical surface.



- Drywall Mount – provides flush mount for emitters located in drywall/gypsum ceilings.



5 Follow installation best practices

- Emitters are daisy-chained together with the supplied CAT-3 cables. Proper observation of "Input" and "Output" connections on the emitters is required to ensure system functionality.
- All emitters are individually adjustable in 3 dB steps via a set of dip switches on the back of the emitter; -3dB, -6dB, and -9dB.

Qt® Conference Room Edition System Layout Guidelines for Courtrooms

