

Qt® Patient Privacy System Layout Guidelines

1 Determine where to put the emitters

- The goal of the system is to:
 - a) lower the listener's speech-to-masking noise ratio to the point that people in waiting or reception areas cannot understand speech originating at the reception/greeting desk
 - and/or
 - b) to lower the listener's speech-to-masking noise ratio to the point that people outside of examination rooms cannot understand any speech originating in those exam rooms, even from persons using a raised voice
- In order to achieve this goal, emitters in a waiting area should be spaced evenly above the seating area, and emitters in an exam room area should be installed in rows parallel to all exposed walls of the exam rooms, that is, along any wall party (common) to both the exam rooms and any adjacent office spaces, including open plan or private enclosed offices, nurses stations, corridors, storage or utility rooms, etc.
- If the design requires multiple zones to protect speech privacy, consider a QtPro™ system.

2 Determine the number of emitters

- The number of emitters is primarily based on the size and shape of the area being covered.
- 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" (3.6 m)	8' x 8' (2.6 m x 2.6 m)
8' 6" to 11' 6" (2.6-3.5 m)	10' by 10' (3 m x 3 m)
11' 7" & above (3.5 m +)	12' by 12' (3.6 m x 3.6 m)

3 Determine control module & privacy sign placement

- If no automation control system is being used, find a location that is convenient for staff to both see and use the controller, for example, on a wall behind a reception desk.
- If an automation control system is being utilized to control the system, locate the controller in a cabinet or nearby closet; this gives the user a single method for controlling the system and cuts down on confusion.
- Two LED privacy signs are provided, locate one in a place easily visible to office staff, and one easily visible to patients.
- Use of both signs is recommended but not required. Coordinate with your client.

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 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

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