Qt® Active Emitter FAQs

Are you phasing out the Qt® Emitter?

Absolutely not. The Qt Emitter is the foundation of our core QtPro™ Sound Masking system, and is still the ideal solution for customers seeking the highest quality sound masking technology on the market. The Qt Active Emitter is now available for customer looking for sound masking and higher performance music and paging capabilities.

Why didn't you update the Control Modules?

We didn't need to. We developed new active emitter technology that can leverage our current 3 and 6 zone control modules with just a simple software update.

Is the Qt Active Emitter compatible with all CSM Control Modules?

At this time, the Qt Active Emitter can only be used with the Qt 300 and Qt 600 control modules, and is not compatible with the Qt 100. Due to the arrangement of the physical connections to the emitters in the Qt 100, there are only 2 uncorrelated channels available to the Active Emitter Power Injector. Since we recommend 4 uncorrelated channels to avoid phasing effects, we do not currently support the Qt 100 for use with Qt Active Emitters.

Active means power, so are you adding power to the speakers?

That's correct! To deliver enhanced paging and music, our design engineers developed a power injector that combines power with our sound masking signal, ensuring power is delivered evenly to each emitter. The new Qt Active Emitters contain amplifier circuitry, and we also developed a special power supply for operation.

Is there a quality difference in the sound masking using original Qt Emitters versus the new Qt Active Emitters?

No. Both types of emitters provide the same level of "speech privacy" by providing the highest quality sound masking on the market. Our direct-field sound masking system delivers on the three key components of a quality system: uniformity, zoning, and sound level. The new Qt Active Emitter gives consultants the ability to achieve specification for the low-frequency response down to the 125 Hz octave band and to deliver 74dbA @ 1 meter.

How robust is the paging?

The Qt Active Emitter provides loudness through its heightened SPL and better intelligibility through its direct-field approach.

Does this give consultants more flexibility to customize designs?

Yes. Consultants have been asking us for more power to increase music and paging levels for their clients, which is now achievable with the Qt Active Emitter. The system design for systems leveraging the Qt Active Emitter, will now include the power injector and power supply, allowing consultants more system flexibility.

How is music playback enhanced?

The Qt Active Emitter enhances music playback by extending the frequency response and by increasing overall SPL.

When would I choose the Qt Active Emitter over the Qt Emitter?

The Qt Emitter still excels at applications which primarily require sound masking. You should consider the Qt Active Emitter for applications that require sound masking plus any of the following: paging, music, or a lower-frequency masking curve.

Can I mix & match Qt Active Emitters with Qt Emitters?

Yes. A single Qt 300 or Qt 600 control module can support both types of emitters, which must be separated by zone (e.g. Zone 1 is all Qt Active Emitters and Zone 2 is all Qt Emitters).

Can I put the Qt Active Emitter Power Supply in the plenum?

Yes, though it is not itself plenum-rated and thus will need to go into a plenum-rated box.

Does the enhanced paging capability include mass notification?

No. Mass notification requires a more robust, redundant system that is resultantly more expensive.

Can I use the Qt Active Emitter with a Qt Room Control?

No. Since the Qt Room Control is a passive device it cannot be used with the Qt Active Emitter at this time.