Each decibel decrease in overall masking volume can reduce performance by 10%. Failing in a key frequency can reduce it by 5%.

It all depends on hitting the TARGET.
The **RIGHT** Sound

Today’s interiors depend on sound masking to improve speech privacy and noise control. But this technology is only truly effective if it’s providing the right sound throughout your facility.

The **MASKING** Curve

What exactly is the right sound? It’s called a masking spectrum or curve, which is typically specified by an acoustical engineer or referenced from an independent party such as the National Research Council (NRC). Your sound masking system’s job is to meet its volume and frequency levels as closely as possible.

To do so, the system’s settings must be adjusted to correct for the deviations caused by the workplace interior and furnishings. No system — regardless of how it’s designed or installed — can achieve the desired curve without tuning.

The **TUNING** Process

Tuning is handled by a qualified technician after the ceilings and furnishings are in place, and typically with mechanical systems operating at normal daytime levels. To minimize noise interference and ensure accurate measurement, it’s done prior to move-in or after hours.

The technician measures the masking sound, analyzes the results and adjusts the system’s volume and equalizer controls accordingly. They repeat this process as often as needed until the masking curve is met, within the allowed tolerance, at each tuning location.

Tuning is traditionally time-consuming, but it’s essential to providing you with the core benefits you’re paying for when you purchase a sound masking system. Simply put, poor tuning equals poor masking.

---

Each decibel decrease in overall masking volume can reduce performance by **10%**. Failing in a key frequency can reduce it by **5%**.

---

The **TARGET** Difference

System design alone can’t ensure success, so we don’t stop there.

Following installation, we begin our **TARGET** tuning process. This unique application automatically third-octave tunes each small zone to the desired curve far faster and more precisely than formerly achievable, even by expert technicians. It also generates a detailed report, verifying performance.

Typical tuning time is reduced by 90% or more, while the benefits of the masking are maximized.

The result is a more subtle, comfortable and effective sound.
The LogiSon Approach

What’s our recipe for success?
First, we design our systems to provide all of the building blocks needed for effective tuning.

Small adjustment zones
Zones are 1 to 3 loudspeakers in size, maximizing local control across your entire workplace. We can adjust the masking sound exactly where needed to achieve the desired curve.

Third-octave frequency control
Each zone’s equalizer covers 63 to 10,000 Hz, providing third-octave frequency control well beyond the range of the typical masking spectrum.

Decentralized sound generation
Each zone features a dedicated generator, which produces a truly random sound covering the full masking spectrum, typically specified between 100 and 5,000 hertz (Hz).

Full-range loudspeakers
4-inch (10 cm) loudspeakers are compact, yet still large enough to produce the low frequencies needed for comfort and to mask a wider range of noises. Performance is monitored 24/7.

Precise volume control
Each zone offers 100 volume settings in nearly imperceptible 0.5 decibel (dB) steps, permitting fine adjustment and preventing the need to compromise between effectiveness and occupant comfort.
The RIGHT Sound
Today’s interiors depend on sound masking to improve speech privacy and noise control. But this technology is only truly effective if it’s providing the right sound throughout your facility.

The MASKING Curve
What exactly is the right sound? It’s called a masking spectrum or curve, which is typically specified by an acoustical engineer or referenced from an independent party such as the National Research Council (NRC). Your sound masking system’s job is to meet its volume and frequency levels as closely as possible.

To do so, the system’s settings must be adjusted to correct for the deviations caused by the workplace interior and furnishings. No system – regardless of how it’s designed or installed – can achieve the desired curve without tuning.

The TUNING Process
Tuning is handled by a qualified technician after the ceilings and furnishings are in place, and typically with mechanical systems operating at normal daytime levels. To minimize noise interference and ensure accurate measurement, it’s done prior to move-in or after hours.

The technician measures the masking sound, analyzes the results and adjusts the system’s volume and equalizer controls accordingly. They repeat this process as often as needed until the masking curve is met, within the allowed tolerance, at each tuning location.

Tuning is traditionally time-consuming, but it’s essential to providing you with the core benefits you’re paying for when you purchase a sound masking system. Simply put, poor tuning equals poor masking.

The LogiSon Approach
What’s our recipe for success? First, we design our systems to provide all of the building blocks needed for effective tuning.

Small adjustment zones
Zones are 1 to 3 loudspeakers in size, maximizing local control across your entire workplace. We can adjust the masking sound exactly where needed to achieve the desired curve.

Third-octave frequency control
Each zone’s equalizer covers 63 to 10,000 Hz, providing third-octave frequency control well beyond the range of the typical masking spectrum.

Full-range loudspeakers
4-inch (10 cm) loudspeakers are compact, yet still large enough to produce the low frequencies needed for comfort and to mask a wider range of noises. Performance is monitored 24/7.

Precise volume control
Each zone offers 100 volume settings in nearly imperceptible 0.5 decibel (dB) steps, permitting fine adjustment and preventing the need to compromise between effectiveness and occupant comfort.

The TARGET Difference
System design alone can’t ensure success, so we don’t stop there.

Following installation, we begin our TARGET tuning process. This unique application automatically third-octave tunes each small zone to the desired curve far faster and more precisely than formerly achievable, even by expert technicians. It also generates a detailed report, verifying performance.

Typical tuning time is reduced by 90% or more, while the benefits of the masking are maximized.

The result is a more subtle, comfortable and effective sound.

Can you HEAR the Difference?
It’s very difficult to subjectively assess a masking system’s performance. Occupants’ attention is only drawn to the sound in extreme cases – when it’s either too loud or poorly tuned that it’s causing discomfort or low that it’s providing no effect whatsoever.

In between, there’s a large range over which individuals won’t likely complain, but the system still isn’t doing what it should.

Can you MEASURE the Difference?
You can and should measure the masking sound. The more it deviates from the desired curve, the less effective and less comfortable it becomes. Even small changes mean big changes in results. Each decibel decrease in overall masking volume can reduce performance by 10%. Failing in a key frequency can reduce it by 5%.

TARGET isn’t a luxury. It’s essential to ensuring the masking sound is working as expected.

The MASKING Curve
What exactly is the right sound? It’s called a masking spectrum or curve, which is typically specified by an acoustical engineer or referenced from an independent party such as the National Research Council (NRC). Your sound masking system’s job is to meet its volume and frequency levels as closely as possible.

To do so, the system’s settings must be adjusted to correct for the deviations caused by the workplace interior and furnishings. No system – regardless of how it’s designed or installed – can achieve the desired curve without tuning.

The TUNING Process
Tuning is handled by a qualified technician after the ceilings and furnishings are in place, and typically with mechanical systems operating at normal daytime levels. To minimize noise interference and ensure accurate measurement, it’s done prior to move-in or after hours.

The technician measures the masking sound, analyzes the results and adjusts the system’s volume and equalizer controls accordingly. They repeat this process as often as needed until the masking curve is met, within the allowed tolerance, at each tuning location.

Tuning is traditionally time-consuming, but it’s essential to providing you with the core benefits you’re paying for when you purchase a sound masking system. Simply put, poor tuning equals poor masking.

The LogiSon Approach
What’s our recipe for success? First, we design our systems to provide all of the building blocks needed for effective tuning.

Small adjustment zones
Zones are 1 to 3 loudspeakers in size, maximizing local control across your entire workplace. We can adjust the masking sound exactly where needed to achieve the desired curve.

Third-octave frequency control
Each zone’s equalizer covers 63 to 10,000 Hz, providing third-octave frequency control well beyond the range of the typical masking spectrum.

Full-range loudspeakers
4-inch (10 cm) loudspeakers are compact, yet still large enough to produce the low frequencies needed for comfort and to mask a wider range of noises. Performance is monitored 24/7.

Precise volume control
Each zone offers 100 volume settings in nearly imperceptible 0.5 decibel (dB) steps, permitting fine adjustment and preventing the need to compromise between effectiveness and occupant comfort.

The TARGET Difference
System design alone can’t ensure success, so we don’t stop there.

Following installation, we begin our TARGET tuning process. This unique application automatically third-octave tunes each small zone to the desired curve far faster and more precisely than formerly achievable, even by expert technicians. It also generates a detailed report, verifying performance.

Typical tuning time is reduced by 90% or more, while the benefits of the masking are maximized.

The result is a more subtle, comfortable and effective sound.

Can you HEAR the Difference?
It’s very difficult to subjectively assess a masking system’s performance. Occupants’ attention is only drawn to the sound in extreme cases – when it’s either too loud or poorly tuned that it’s causing discomfort or low that it’s providing no effect whatsoever.

In between, there’s a large range over which individuals won’t likely complain, but the system still isn’t doing what it should.

Can you MEASURE the Difference?
You can and should measure the masking sound. The more it deviates from the desired curve, the less effective and less comfortable it becomes. Even small changes mean big changes in results. Each decibel decrease in overall masking volume can reduce performance by 10%. Failing in a key frequency can reduce it by 5%.

TARGET isn’t a luxury. It’s essential to ensuring the masking sound is working as expected.
It’s Time for BETTER

A sound masking system should provide consistent results throughout your installation.

Though a small amount of deviation is unavoidable, you want to get as close to the desired curve as you can. In as many places as you can. TARGET can achieve ±0.5 dBA or better.

Outdated specifications allow for a much larger deviation from the desired curve. Plus or minus two decibels (±2 dBA) is common, permitting volumes to vary by up to 4 dBA across a space.

Most don’t realize that these swings allow you to understand up to 43% more of a conversation in some areas than you can in others. And you can’t predict where or how much of your space will be covered by the lower, less effective masking level.

A goal of ±2 dBA might have been what was possible 40 years ago, but it’s time for modern standards. It’s time for TARGET.

Each decibel decrease in overall masking volume can reduce performance by 10%. Failing in a key frequency can reduce it by 5%.

AWARDS for Innovation

The LogiSon Acoustic Network has received over 20 awards for innovation, performance and ease of use. In 2014, TARGET earned a Silver Best of NeoCon® in the Workplace Technologies category.