

Aether Biomedical - Let's Talk About Limb Loss Awareness Month and Aether MyoSense



Dover, Delaware Apr 25, 2026 ([IssueWire.com](https://www.issuewire.com)) - April is Here: Time to Get Real About Limb Loss Awareness

April is recognized as Limb Loss and Limb Difference Awareness Month, a time when all of us are reminded of the need to raise awareness & do better for people living with limb loss: we need to do more to make sure they get the care they need.

Right now, around the world, you can see people, clinicians, organisations, and communities all working in the same direction. They're all about helping individuals regain independence and improve their quality of life with better care and better tech.

For many people, losing a limb is a whole lot more than just a physical challenge. It's about losing confidence, changing your daily routine, and the way you interact with the world. That's where prosthetic tech comes in, but not just in theory, in real, everyday situations.

At Aether Biomedical, it's pretty simple: we want to make prosthetic control more reliable, more intuitive, and easier to use every single day.

Introducing Aether MyoSense - Our Dual Channel EMG System

Aether MyoSense is a dual-channel EMG (electromyography) system developed by Aether Biomedical to make upper-limb prosthetic control better for users.

It's not about some new control method; Aether MyoSense is all about refining what already exists. We've been focusing on improving signal quality, consistency, and usability at the places where it really counts.

"Aether MyoSense is giving clinicians the ability to easily get stable and clean signals from the patient's muscles," says Maciej, Aether's Head of Software & Electronics. "It's about making prosthetic control more reliable, more responsive, and ultimately more usable in real-world conditions."

Here's how it works: it captures the electrical signals generated when you contract muscles and translates that into control signals that drive prosthetic movement.

It's available as a standalone product or part of a package with the [Zeus Hand](#).

Aether MyoSense - Where Precision Meets Everyday Use

Our goal with Aether MyoSense is to close the gap between what a user wants to do and how a prosthetic device responds. We want to give users smoother, more predictable control.

Some key features of Aether MyoSense include:

- **Dual Channel EMG Control**
The system features two independent signal channels that let muscle activity be translated into distinct control inputs, enabling more controlled and responsive movement.
- **Adjustable Signal Amplification (Gain)**
Clinicians can tweak signal strength based on each patient's muscle activity, giving us a better fit for different users.
- **Advanced Signal Filtering and Smoothing**
Helps cut noise, tremors, and those sudden spikes in the signal, giving us a result in more stable and controlled prosthetic movement.
- **Real-Time Skin Contact Monitoring**
Gives us immediate feedback on electrode contact, helping us ensure consistent signal quality during fitting and use.
- **Automatic Output Deactivation**
Automatically disables output when no electrode contact is detected, stopping any unwanted movement when the prosthesis isn't fitted properly.
- **Bluetooth-enabled Setup and Monitoring (Aether Digital Platform)**
Bluetooth (BLE)-enabled connectivity allows clinicians to configure and monitor the system via the Aether Digital Platform.
- **Universal Compatibility**
Compatible with Aether Biomedical and third-party prosthetic components that support standard 0–5V control signals.
- **Durable and Reliable Design**
Our IP67-rated housing keeps it running smoothly in both clinical environments and daily use.

Tailoring to the Individual

No two users are alike; muscle strength, signal patterns, and progress all vary.

Aether MyoSense has adjustable parameters and real-time feedback to let clinicians tailor the system to each user, providing more stable and predictable control.

And the result is a prosthetic experience that feels more consistent and ultimately, more usable in everyday life.

Why We Care About This

Limb Loss Awareness Month is more than just about tech; it's about the people who use it, and the clinicians who support them every single day.

Progress in prosthetics isn't just measured in features; it's in those small, meaningful wins, being able to do everyday tasks, moving with confidence, and feeling in control.

We here at Aether Biomedical are committed to working with clinicians and the wider prosthetic community to develop solutions that actually matter in the real world, not just in tech capability.

As tech evolves, our goal remains the same: to be as responsive and reliable as possible.

About Aether Biomedical

[Aether Biomedical](#) is a medical technology company focused on developing prosthetic solutions for individuals with limb loss. We've combined biomedical engineering, signal processing, and user-centered design to create systems that make a real difference in control, usability, and independence.

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Source : Aether Biomedical

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