

Case Study



LTC
SOFTWARE SOLUTIONS



Scaling Custom Crestron Integrations for Complex AV Environments

AMS Technology Simplified

Industry: Audio Visual & Control Systems Integration

Technology: Crestron | Custom Programming | AV & Automation Systems

Solution Type: Custom Integration & Control System Development

Company Overview

AMS (Audio, Video & Controls) is a high-value technology solutions provider serving businesses, government, and residential clients. They specialize in designing and implementing advanced audio-visual systems, automation, and control solutions using platforms such as Crestron.

With a focus on delivering seamless user experiences, AMS integrates complex technologies including AV distribution, lighting control, building automation, and collaborative systems into unified, easy-to-use environments.

As client demands for customization increased, AMS needed a reliable partner to support advanced programming and integration within their Crestron-based projects.

Challenges



System Limitations

- Increasing demand for highly customized Crestron solutions
- Complex integration across multiple technologies (AV, lighting, controls)
- Need for advanced GUI and control system customization
- Limited internal bandwidth for specialized programming

Operational Risk

- Maintaining consistency across projects
- Meeting tight project timelines
- Ensuring seamless client experiences
- Identifying opportunities for system improvements

Objectives



- Enhance Crestron system customization capabilities
- Support complex integration requirements across projects
- Improve efficiency in delivering custom solutions
- Maintain high-quality user experiences for end clients
- Extend internal capabilities without increasing overhead

The Solution



System Integration Across Technologies: LTC Software Solutions supported the integration of multiple systems including:

- Audio and video distribution
- Lighting control
- Building management systems
- Wireless presentation systems
- Security and automation systems



GUI and Control Interface Development

Custom interfaces and control systems were developed to ensure intuitive operation across complex environments.

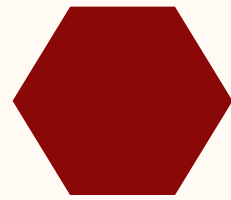


Extension of AMS Team

LTC Software Solutions functioned as an extension of AMS's internal team, providing ongoing development support across multiple projects.

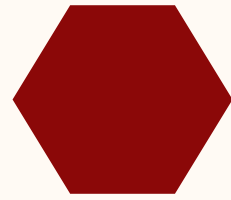
The Results

Enhancing Crestron Integration and User Experience



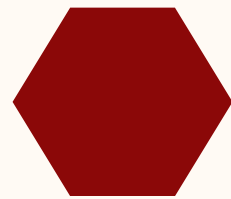
Integration Efficiency

- Seamless integration across AV, lighting, control, and automation systems
- Reduced friction between multiple technologies within a single environment
- Consistent system performance across projects



Technology Environment

- Crestron control systems and automation platform
- Integrated AV and building management systems
- Unified control interface across multiple technologies



Custom System Development

- Tailored Crestron programming based on client-specific requirements
- Custom GUI and control interfaces for intuitive user experiences
- Flexible solutions adaptable to different project types

Business Impact

Operational Results	Measured Impact	IT/Business Advantage
AMS can deliver custom integrations more efficiently	Increased project delivery efficiency	Extended internal capabilities without increasing headcount
Improved consistency across multiple projects	Enhanced ability to handle complex integrations	Reduced dependency on in-house specialized programming
Faster response to client requirements	Improved overall workflow execution	Stronger positioning in a competitive AV integration market

LTC acted as an extension of AMS's internal team across multiple projects.

What Our Clients Say



I have to say, they have transformed the way we manage custom integrations with Crestron.

“Not only do they help us with custom integrations, but they’ve also helped us identify opportunities within our own projects. I highly recommend working with LTC if you are looking to advance your offerings with Crestron and improve your process on every project.”

– Bryan Werner, CTS, Owner of AMS



Looking to Enhance Your Crestron Systems?

Get In Touch

LTC Software Solutions helps organizations deliver advanced automation and control system solutions through custom integration and development.

If you're looking to improve your Crestron capabilities and deliver better client experiences, we can help.

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