

ZETRON™

ACOM Command & Control





Always ready, always on.

Delivering integrated, end-to-end communications solutions that help save lives and enable critical operations.



ACOM Command & Control does exactly what you want the way you want it done.



Quickly. Effectively. Flexibly.

It's not an overstatement to say that, of all the dispatch console systems on the market, ACOM is the one that can do the best job of meeting your specific needs.

ACOM is not only the industry's most feature-rich and flexible integrated IP-based dispatch system, it is engineered for customization.

This means ACOM maximizes your control over the things that matter most to you.

You and your team consult with Zetron engineers to define what you want your system to do: how your screens work, how your resources appear, and how your operations are performed. And as your operations evolve, so does ACOM. With its enterprise-class server architecture and high capacity, ACOM can be updated and expanded as the need arises, without requiring expensive additional hardware.

The bottom line: With ACOM's ability to deliver exactly what you need now and to also adapt with you over time, there's no question—ACOM is the best investment you can make in a dispatch system.

Proven Power of ACOM

ACOM is based on Zetron's proven platform that serves at the centre of complex dispatch operations throughout the world. ACOM generates some of the highest rates of customer satisfaction and loyalty in the industry.

ACOM delivers all the capabilities Zetron is known for—high availability, customization, interoperability, and end-to-end redundancy—in an enterprise-class server architecture that supports the full use of IP technology.

That's why ACOM is an ideal solution for:

- **Public Safety:** Local, regional, and country-wide dispatch centres serving police, fire, and emergency-service agencies.
- **Transportation:** Rail, aviation, traffic, maritime, and port operations.
- **Utilities:** Public utilities, electricity-generation facilities, energy-distribution operations.
- **National Government:** Security operations, government-sponsored events, border operations.
- **Natural Resources:** Mining, oil and gas platforms, refineries.



The Connections You Need

→ **More Interfaces, More Connections, More Control**

Because ACOM supports more interfaces than any other system, it's able to interconnect differing equipment, departments, agencies and jurisdictions, giving you the vital connections you need during large-scale events and emergencies.

ACOM can serve as the central coordinating point for all of the products in your Control Room. Computer-Aided Dispatch (CAD), Automatic Vehicle Location (AVL), voice call logging, digital input/output control, video surveillance, access control, and radio base-station voting control can all be integrated within your ACOM architecture.

ACOM supports a broad range of telephony technologies including SIP, ISDN and QSig; signalling and radio protocols including ED-137, NXDN and MotoTRBO; standards-based radio interfaces such as P25, TETRA and DMR; conventional and trunked Zetron mobile radio gateways, other proprietary communications systems and newer Push-To-Talk device technologies.

→ **Delivering the Security of True End-to-End Encryption**

The security of your system is vital to the integrity and continuity of your operations. ACOM's full end-to-end encryption is designed to keep your communications secure. DES and AES encryption are integral options of ACOM radio interfaces. In addition, ACOM supports FIPS 140-2 and the use of a Key Fill Device (KFD) or connection to a Key Management Facility (KMF) for Over-the-Network Rekeying (OTNR).

→ **The Bandwidth You Need, When You Need It**

ACOM ensures that IP connectivity is used efficiently and bandwidth is available when you need it most—during critical times and when network traffic is at its peak. That's because the system utilizes a consolidated audio stream to the console that allows an operator to select any or all resources simultaneously without affecting the IP-network bandwidth to the console.

→ **Support for Remote and Mobile Operations**

ACOM allows you to use a laptop or tablet PC with just a USB headset to set up remote, temporary, back-up, mobile, and training positions quickly and securely. And ACOM doesn't limit these operations to just a few channels the way other console solutions do. With ACOM, your mobile and remote operations have unlimited access to the full resource capabilities of the console system—and at a fraction of the cost of a fixed position.

→ **Migrate at Your Own Pace**

ACOM supports both your legacy equipment and new technologies. So you can keep using your existing equipment as long as you need to and migrate to next-generation technologies at your own pace and as your budget allows.



The Look You Want, the Operations You Require

A UI Designed by and for You

The ACOM UI is designed to give you the look and feel you want and your organization requires. For instance, you can create:

- Colors, buttons, icons, text, images, sound effects, or localized language displays that suit your particular requirements, location, dispatchers, or agency.
- Screens that mimic your previous dispatch console UI and reduce training times.
- One-click operations that simplify tasks and reduce response times.
- Screens that support dispatchers with physical disabilities. This can include larger displays for the visually impaired, colors modified for those with color blindness, or specialized visual alerts for those who are hearing impaired.

Flexible Access from Anywhere

ACOM's support for profile-based logins gives users great flexibility when it comes to accessing the system. This can be critically important during disaster-recovery operations or situations where different systems are deployed, where interagency access is required. A single console position can log in to any one of a number of ACOM systems simply by using a different login profile. Profiles can reflect available resources, dispatch functions, duty shifts and schedules, supervisory and maintenance roles, and training exercise simulations.

Easy Screen Modifications

ACOM consoles can be modified quickly and easily in response to unexpected incidents, emergencies, or dispatchers' changing needs. Utilizing a simple drag-and-drop procedure, dispatchers can dynamically add resources or remove them from their screens as the situation demands.

Flexible Call Management

The ACOM Call Management feature allows you to determine how calls are viewed, prioritized, and handled. Call Management can be configured to:

- Show only the calls you're interested in or display a history of current calls in the system as soon as you log in.
- Prioritize, sort, and color-code incoming call queues.
- Indicate when another console operator has answered a particular call or how many times a particular field user has sent in a call alert.
- Track all radio, telephony, and digital I/O activity in the system and present this information through customizable Call Stacks to any connected console.
- Allow dispatchers to acknowledge, answer, call back, or end any call directly from the stack. This gives dispatchers control of all their calls from one simple display.

Call Views and Staffing Analysis

When you use the ACOM Areas of Interest and Call Stacks features together, you can track call activity to make sure your staffing levels match your current call needs. For instance, you can track the number of operators logged into a particular role, how many are available to take calls, and how many calls are waiting to be answered, and then adjust staffing levels accordingly.

Smart Audio Routing

With the ACOM system's flexible audio routing, any audio input source to the console can be directed to any audio output, and audio levels can be automatically adjusted based on the operator's console selections. This can be done without making expensive, hard-coded software changes. This feature is especially useful if your audio-routing requirements are not met by the defaults normally set by a console supplier's equipment.





The Performance You Expect

High Availability

Because ACOM delivers the industry's highest levels of availability, it stays up and running and your communications get through, even if a fault condition occurs.

Tools That Make Installation Easy

Advanced configuration-management tools make ACOM easy to install, configure, and maintain. Plus, they allow you to administer the system remotely from anywhere on the network.

Built-in Diagnostics for Optimal Performance

The ACOM built-in IP diagnostic tools and web-based system management capabilities simplify system maintenance and error diagnosis. They also monitor and report on the health of the network to ensure that it's running efficiently. This helps keep your system performing optimally and your cost of ownership low.

When it comes to your ACOM system's design, implementation and support, Zetron has your back. From start to finish—and beyond.

Services That Support You

Zetron's highly trained professionals work with you from your system's inception through its design, implementation, and support phases to ensure that it's designed, installed, configured, and maintained to meet your current and ongoing business requirements. This protects your investment and ensures that your system is running optimally to deliver the reliability and functionality you need—on time and on budget.

Because every communication centre is unique, we also work with you to determine your training and support needs. If something unexpected should occur, Zetron personnel are available and ready to help you. Zetron service options include:

Project Management

- Project scope, schedule, budget, matrix management of Zetron resources, and on-site project management of sub-contracted resources as needed.

Project Engineering

- System consultation, design engineering.
- System and third-party product installation, integration, optimization, commissioning, and upgrade; cut over support.

Maintenance Service Plans

- Technical telephone support during business hours.
- Emergency after-hours telephone support.
- Software upgrades.
- Software maintenance.
- Repairs of defects in materials or workmanship with established turnaround times.
- Factory on-site services, including software installation and upgrade support, and local on-site response.

Training

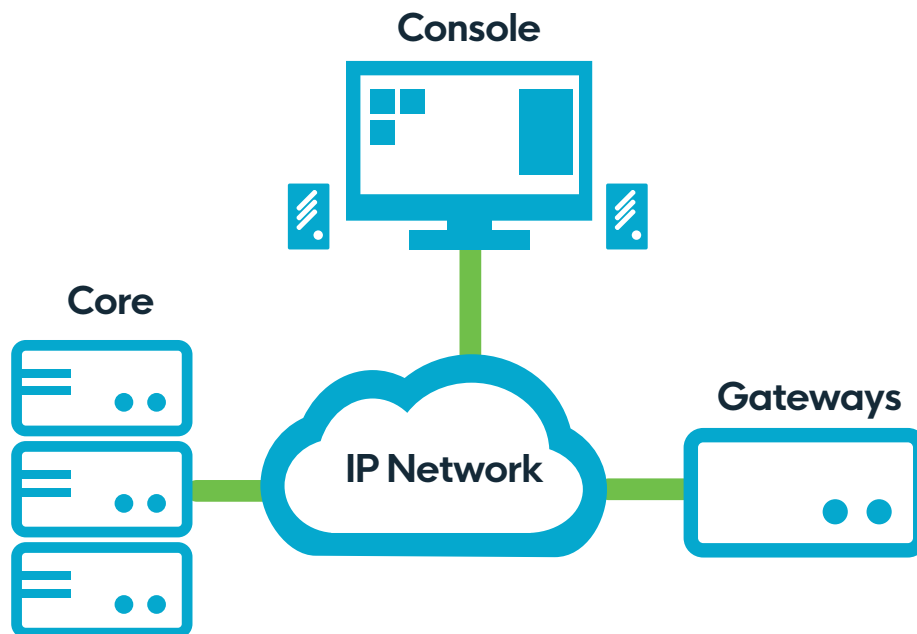
- On-site technical and operator training to help ensure that your system is being properly used and maintained.

The ACOM Platform

The ACOM architecture's modular structure can accommodate over 2,000 interfaces and hundreds of IP console positions. This makes it suitable for small, medium, and large operations, as well as operations that expand over time. It can also support mobile or remote operations using laptop or tablet PC.

ACOM comprises the following basic components: the ACOM Dispatch Console, the ACOM Core, and Radio Gateways, Telephony Gateways or both.

The ACOM Dispatch Console is the point through which dispatchers interact with connected resources. The Console and connected Media Dock with Headset, Speakers and Mic - or just simply a USB Headset in mobile scenarios - provide the essential tools dispatchers use to communicate with personnel in the field.



The ACOM Core is based on commercial-grade server technology. It utilizes a cluster arrangement with stacked switching equipment to provide a completely redundant solution that keeps your communications up and running reliably at all times. It is highly energy efficient, has a "small footprint," and can be either centrally located or separated for geographical diversity.

Gateways and Radio Gateways provide the interfacing capabilities for a multitude of digital and analog radio and telephony technologies. Gateways can be deployed locally or at remote radio sites.

Why Zetron?



Zetron Services and Support

Zetron offers unparalleled customer service, training and support through Zetron's Connected Care plan. Services include telephone support, software maintenance, hardware replacement and repair, remote and on-site configuration assistance, system re-optimization, and technical and operational training.



Performance You Can Count On

Zetron has a reputation for the reliability and robustness of its products. They are specifically designed to meet the needs of mission critical operations that must stay up and running 24/7. Zetron solutions are also known for their longevity. Not only do they continue to deliver a rock solid performance over time, but they have the flexibility to keep pace with emerging technologies and changing operational requirements.



About Zetron

Zetron is a leading provider of communications technology and services that help save lives and enable critical operations. Zetron solutions are highly interoperable, configurable, and scalable, offering unrivalled choice, flexibility, and value. Our customers are located on all seven continents and across a variety of industries, including public safety, federal government, transportation, utilities, natural resources and more. With an exceptional reputation for high quality and reliability earned over decades of experience serving both public and private sectors, Zetron delivers solutions that are purpose-built to be always ready, always on — anywhere that uninterrupted mission critical communications are non-negotiable. For more information visit www.zetron.com and connect with us on [LinkedIn](#), [Facebook](#), [Instagram](#), [X](#) and [YouTube](#).

ZETRON AMERICAS
6812 185th Ave. NE
Redmond, WA USA 98073
P: +1 425 820 6363
F: +1 425 820 7031
E: zetron@zetron.com

ZETRON EMEA
Minster Corner
South Church Side, Hull
HU1 1RR, United Kingdom
P: +01 482 686366
E: emea@zetron.com

ZETRON APAC
4/87 Webster Road
Stafford QLD 4053, Australia
P: +61 7 3856 4888
F: +61 7 3356 6877
E: au@zetron.com

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