



datalog 

Features & Benefits

Cortech Developments

www.cortech.co.uk

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Datalog 5 is the latest major software release from Cortech Developments. Datalog is widely recognised as a leading building, fire and security management system that has become an integral and critical feature of many modern day high security environments.

Using the very latest software tools Datalog 5 delivers our most powerful integration platform yet. Datalog 5 is easier to use, looks and feels more intuitive, is built for reliability and includes innovative software enhancements with a host of new features targeted at delivering benefits to the end user.



Leading Edge Solutions

With 5 generations of command and control software spanning 23 years and system deployments worldwide, Cortech Developments has a proven track record in delivering integrated solutions for critical national infrastructure and high security environments including Government, Military, Prisons, Custodial, Utilities, Healthcare, Transport and more besides.

Cortech's latest software product Datalog 5 provides integration and interoperability with a range of manufacturers control technology that optimises your workplace safety, security and building efficiency.

Datalog 5 provides a more secure, flexible and enhanced solution that simplifies operator procedures and maximises the response time for alarms and events.



Greater Situation Awareness

Reduced Risk



Increased Efficiency

Accountability



Reduced Operational Cost

Enhanced Security & Control

Cortech are driven by the future needs of our clients. We are therefore committed to exploring a wide range of integration and software enhancements to enable our solutions to embrace the future, not just the present.

Features	Description
Windows Compatible	Datalog 5 is written to operate on Windows 7 Professional, 7 Ultimate, Server 2008 R2 and designed for use on future Windows Operating Systems (TBC)
Enhanced Security	
Strengthened Password Rules	Option to enforce minimum password length, minimum letter characters, minimum number characters and minimum symbol characters
Strengthened Password Logon	Log in can now use both passwords and unique user names
Auto Show Help On Alarm Accept Option	Configure individual alarms to automatically show its help file when the circuit alarm is accepted
EXE Manager	Automatic backup of any Datalog 5 executable that has been installed with a display of the driver versions for each. An engineer can switch between executables, allowing the system to roll back to earlier versions
Temporary Task Bar Access	Added user set up option to enable task bar until log off
One Click Backup/Automatic Backup/Restore	History and data [and optionally screens and text] are backed up to a compressed file. The backup file is automatically password protected for added security . Previous backups can be restored to return to a known setup. Backups can also be automated to create a copy of the system. Operators can create editing data zip backups for simplified transfer of editing data. After editing use the restore function to enable the changes

Enhanced Security & Control Continued...

Features	Description
Improved User Interface & Control	
A New Look And Feel To Datalog	Redesigned window layout for better efficiency, while retaining the simplicity of operation from previous Datalog versions
New Datalog 'Mode' Control	Define and switch between modes – allows the set up and restore of the system to a defined state, including groups, circuits, outputs, CCTV displays and can even change the operator help content. The control of mode switching can be via operator, physical input or automatic time zone
Multi Select Alarms	Select multiple alarms from the queue and Reset them with a single action. 'Log on at any time' allows logon even if alarms are waiting for 'Accept'
Alarm Sort	Sorts alarms by default, priority / time ascending and descending
Alarm Filtering	Filters alarms by group type and status, which keeps the user interface tidy and uncluttered
Advanced Alarm Display	Provides operators with additional alarm information. This includes knowledge of who accepted an alarm and when, as well as the ability to show the latest reset alarms [without the need to run a report]
Non GUI Mode	Primarily intended for server room use where full time alarm and site graphics display are not required. Alarms and events are processed but not displayed, thereby reducing the workload of the PC.

End users are able to utilise their existing investment in legacy solutions while combining and enhancing their systems with the very latest technology.

New HALs

HALs are a key feature of Datalog 5 and provide a simple but effective method for highlighting an alarm and its precise location within a building or room.

Datalog 5 has enhanced the way in which these HALs are presented and importantly how they impact on the detail of building maps, enabling the operator to maximise the response time for all events and alarms.

In particular, with sites and buildings that incorporate thousands of circuits, transparent HALs enable the operator to view the underlying map, which greatly simplifies operational procedures.

Features	Description
New Shape HALs	In addition to the popular fill HALs we have introduced the new shape HAL. Simple point tracking allows HAL overlays of any shape
New Transparent HAL Displays	Configure HALs to be semi-transparent to create stunning new visual alarms and status displays
Display All HALs On The Map Viewer	Each map can be configured to show all circuit HALs on that map
Status Coloured HALs On The Map Viewer	Maps can now be viewed showing colour coded HALs to indicate the status of the map circuits
HAL Border Highlight	Better visual indication of the currently selected alarm

Maps - Enhanced Detail & Flexibility

Cortech's in-house graphical design team keep your information safe and secure while playing a key role in developing new techniques for assisting operators with the navigation around extensive and complex site maps. This process has been greatly enhanced and simplified with Datalog 5.

Building maps and floor plans are now available in an optional high resolution 3D format. The stunning detail of these maps enables operators to gain greater situation awareness with precise geographical locations of all buildings, rooms and control systems.

Features	Description
Map Fit To Window	Option to automatically fit the map to the available window with the option to maintain the aspect ratio
Map Magnification Feature	200 levels of magnification for each map to allow the operator to magnify an area of dense circuits
Magnification Navigation	A new magnification control allows magnification navigation via a thumbnail view or by dragging directly on the map using the mouse. The mouse can be used to select an area to view
Map Portals	<ul style="list-style-type: none"> Map portals can be configured to always display the portal name and portal image Hovering the mouse over a portal shows a preview thumbnail image and the portal name Map portals can be drawn as a button and not a simple shape Thumbnail portals automatically show a thumbnail of the underlying map to allow site navigation Zoom portals allow navigation to a predefined magnification point on the underlying map The portal overview thumbnail shows the current map's location in relation to another selected map [normally a site plan or overview map] Control portals allow for the changing of modes and the selecting of camera favourites
Improved / Transparent Graphical Icons	Graphical icons are superimposed on the map without a solid background bezel. Optional drawing of different colour background bezels for circuit, output and camera icons. Support for PNG format graphics for additional transparency features including shadow effects. The older Datalog icons have been completely redrawn to take advantage of icon transparencies, drop shadow and 3D effects
Map Viewer	Filter the circuit list to show only the active circuits and the circuits in active device groups
Adjustable Splitter Between Map / Grid Boxes	Drag the window to increase the number of circuits visible

Quick & Easy Reports

Manual or automatically generated reporting for events from a live or historical database. This comprehensive reporting facility will search, correlate and collate information to produce quick view graphics to identify trends and patterns.

A key component of Datalog 5 is the process for obtaining quick and simplified reports.

Datalog 5 logs all system actions, which is a powerful tool in determining the sequence of events should any historical analysis be required.

Features	Description
Improved Reporting	Greater flexibility for report generation including advanced search filters
Improved Report Previews	The report preview window has been improved and now supports page thumbnails and new visual features such as optional row shading to produce more readable reports
Quick Report For Circuits And Cameras	Simply right click a circuit icon and select Quick Report for a preview report of the circuits' activity
Text Search Feature On Reports	Search report previews for specific text and all occurrences are automatically highlighted
Reports Across Day Boundaries To Include An Option Of Continuous Time Or Period Reporting	The desired report periods can now be a defined time range across multiple days or a continuous period between the start / end time and date
Analysis Report Filtering	The Analysis report has an additional filter for alarm causes
PDF Viewer	The report saved in the 'Default Report Path' location is viewed using the PDF Viewer. Selecting the report in the list will display the report in the viewer and record the operation in the history report

Additional Features

Features	Description
Device Groups	Allocate circuits to display groups. These can be used for: <ul style="list-style-type: none">Viewing maps to allow selective display of one or more display groups. This is useful on densely populated mapsOverriding the HAL colour. Groups of devices can be created using a single HAL with the HAL colour denoting the device typeSelecting circuits for reports making circuit selection easierPerforming actions in automated time zonesAlways show status HALs
Password Function To Allow Inhibiting, But Only Timed Inhibits	A commonly requested feature - Operators should be restricted to apply only timed inhibits and not other types of inhibit. This is now configurable for each operator up to 24 hours
Improved Migration Back Up	The system can now maintain near real time duplication by copying all historical events to migration slave systems. This ensures that historical record integrity is preserved during a failover scenario
4 Levels Of Map Zoom	To ease operation of multiple sites with central site monitoring
Time Zone Across Day Boundaries	Time zones can now operate across multiple day periods, simplifying automation setup
Circuit Inhibit Navigation	The circuit and group inhibiting windows no longer prevent users from accessing other window controls. A text and numerical search feature is now included
Circuit Inhibit Selection	Circuit selection is made easier using site plan tree views and the status grid can now display only circuits belonging to the current site plan. The inhibit window can be filtered so it only displays inhibited circuits
Assign Alarm To Accepted User	The alarm can only be controlled by the operator who accepted the alarm, providing enhanced audit and accountability
Inhibit Reasons	Operators enter the reasons why circuits have been inhibited / enabled which allows information to be communicated and recorded between operators

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