

Web Management System





Version 2.5 2024

Powerful auditing capability to increase organisational efficiencies



WMS provides users with a detailed overview of their system via a web-based interface, giving access to important security data such as:

- Report on system-wide devices and users i.e. Challenger panels, inputs, outputs, users/ badges, and access levels
- Overview screen of system health (panels online/offline; monitoring station and database connection state, panel and devices firmware version display)

This enables operators to generate easy-to-use, pre-defined reports or identify site-specific reports as per customers' individual requirements.

The software runs on most modern browsers using a responsive design which adapts to varying screen sizes. This allows WMS to be used on a wide variety of devices, including desktop computers, laptops, tablets, phones, and more.

Tecom WMS is licensed on an annual renewal basis and your subscription entitles you to, among other benefits, any product updates, including major and minor releases, released during your subscription period.



Web Management System (WMS) for Tecom is an innovative and intuitive web-based reporting tool.

WMS collects data from your security system which enables you to generate user-friendly, flexible reports. Quickly identifying activity that may require action, WMS gives you complete visibility of your site allowing you to respond more quickly and effectively than ever before.

Tecom Web Management System generates a comprehensive range of reports which can be tailored to suit end-user requirements.

With just a few mouse clicks you can:

- · Schedule reports which can be emailed at a convenient time
- Add, delete and modify users' access levels in the panel.
- · Automatically enrol Challenger panels into WMS
- · Remotely upgrade new firmware into panels and devices
- Command and control panels and devices, such as doors, relays, inputs, areas, etc.
- Export reports in PDF or CSV format

Data at your fingertips. Anytime, anywhere.

Report types

- Audit compliance Displays number of alarms within a date range per site(s)
- History Displays history for one or multiple panels for a duration of time
- Not actioned Displays alarms that have not been acknowledged for a period of time
- Out of hours access Easy analysis of individuals who have accessed premises outside of business hours
- Late to open/ late to close Delivers a report indicating which sites were late to open/close
- Event auditing List alarms with their comments and compliance status

- Alarm deactivation
 Input alarms that have been
 reset within a specified time
 limit
- Status Displays alarms across panels that have not been restored
- Panel information reports Reports that display users, devices and panel version across panels

Customisable report screens to display complete system data including:

Home Deshboard	E Mara	ge firmvare					Fat
Operators o	Filerby	region group	Device type	Serial number	Type of status	When to do action	
Reports 0	Enter	apos group or panel name	AI 1	Enter serial number	All	1 05-06-2016 00:00	
Coversi	Select S	maara file	Download & Program				
Joen	No file of	C Select Se	Deveload & program to device 2	Executo	Get firmware dat	•	
Administration in							
Syntem 0	_ Solo	st All					
Panel path status		* Parel name	Oevice type	Device number	 Device status 	C Ferniere status	
lado levels		P257140080076	Panel		Online, Roady	Program success	
wed 0		P257131000187	Panel		Online, Ready	Program success	
Panel setup		P257140080002	Panel		Online, Ready	Program auccess	
Manage Farmure		P257140080073	Panel		Online, Roady	Program success	
korvers setup		P257142231345	Panel		Online, Ready	Program success	
configuration		P257132530002	Panel		Online, Ready	Program auccess	
ND 0		P257132080778	Panel		Online, Basely	Program aucosta	
gout		P217140040015	Perd		Onine Realy	Propart success	
eset password		P257140080002	Paral		Onine, Ready	Program aucoma	
		P0171320403107					
		P257132060357	Panel		Online, Ready	Program success	
	10					Fee Previous 1 2 2 4 5 4	D Not 1

Firmware upgrade

Firmware updates can be completed remotely for panels, DGPs and RASs at a scheduled time and date

dore 0	Device Num	ber	Device name	Control Type			
n .				Input	1		
nal I			Find	Area Area Door Automation BAS DGP		Send cannot	
		- so	Name		Description		
			Of 3 Input 1		Latched Booled, Current, Bealed		
н. — — — — — — — — — — — — — — — — — — —		2	CH 3 Reception		Latished: Tamper, Current: Open		
password		3	quarty		Latehed Tamper, Current: Open		
		4	thr eksekek		Latithed, Booled, Current, Bealed		
		5	CH 3 Input 5		Latituhed. Bisaled, Curtent; Sealed		
			CH11put6		Latched Sealed, Current Sealed		
		7	CH3 Input 7		Latehed: Active, Current: Active		
	B Of Tayle		CH1Equil 8		Latified Adive, Carrett Adive		
		9	Of 1 Input 9		Latched, Boeled, Current; Bealed		
		10	CH 1 Input 10		Latined Based, Current; Sealed		
	10 *					Parities	

Control

Allows the operator to perform control functions of the panel and its devices. For example, an operator can arm or disarm an area, or isolate and reset inputs.

Home	History events								Refes			
Dashboard	Type							Event Description				
Operations 0	Type All events					Regen group Enter region group or panel name			Event Description			
History events						End date & time			Event Lessageun Next: You can enter AND/OR og. Door 1 AND feel OR Door 2 AND Joe			
Site Status	Start date &	ime.										
lvent auditing	05-08-201	6 00:00			0 1	05-08	05-08-2016 23:59		Find Events			
Open and close times												
Reports 0	Event ID +	Panel Name	C Panel Time C	Rece	hed Time		Event					
Control	5777874	System	05-08-2016 15:51:59	05-0	05-08-2016 15:5		50 Operator master logged in					
	5777872	Bec C10 63	05-08-2018 15:51.09	05-0	05-08-2016 15:5		Lth R2 (CH 1 Lth R2) Floor 64 Secured					
Users	5777066	System	05-08-2016 15:46:50	05-0	05-08-2016 15:4		Operator steve deleted status event id \$730N0 (Matts Panel Nating Hill- Communications Path Failure Path 7.PRINTER)					
Administration 0	5777061	System	05-08-2016 15:42:02	05-0	05-08-2016 15-		Operator steve logged in					
System H	5777060	System	05-08-2016 15:41:57	05-0	05-08-2010 15-		Operator steve logged out					
Hdp 0	5777059	System	05-08-2016 15:41:57	05-0	05-08-2016 15-		Operator steve session timeout					
ogost	5777016	Bec C10 63	65-05-2016 15:01:23	05-0	05-08-2016 15:0		Out of Hours Access, Area 4 (CH 1 Area 4)					
isset password	5777660	System	05-08-2016 12:36:19	05-08-2016 12		2:30:19	Operator mark logged in					
	5777064	System	05-08-2010 12:34:44	05-08-2010 12		23444	Operator steve added operation mark					
	5777000	Bec C10 63	05-08-2016 12:31:25	05-08-2010 12		2:31:22	Ana 3 (CH 1 Area 3) Secured by User 0 (Syster	r)				
	10 *								First Provides 1 2 3 4 5 165 Next Last			

History Events

This displays history for all alarm events and panel events which can be segregated by regions, description, or specified time

Home	E She Statut					Ratesh
Dashboard	Daniel Plate	s Fiber options				
Operations U	Pare data	s r mei upavno				
History events	Туре		Filter by Panel		Filter by Status Description	
Site Datus	Al alarms	0	Mats Panel Noting Hill		Event Description	
Event auditing		_				
Open and close times	Find Events					
Reports III	Event ID) Name	* Panel Time	C Event		Operations
Control	5760200	Mata Panel Noting Hill	04-08-2016-08:58:15	Communications	Path Failure Path S Mobile Device	#Del
Users						
Administration 0	5755775	Mats Panel Noting Hill	03-06-2016 15:07:24	FAULT Consule	65 (PAS 65) Off Line	e ou
System D	\$755604	Matts Panel Notting Hill	03-08-2216 10:36:10	RAS TAMPER O	Console 1 (ABC)	II Del
Help H	\$754570	Matta Panel Noting Hill	02-06-2016 23:57 21	FAIL TEST Input	t 11 (Input 11) in Area 1 (Area 1)	8 DM
Logout	\$754569	Matts Panel Notting Hill	03.08.2016 23.67.21	Ca. 1007	t 3 (Input 3) in Area 6 (Area 6)	et-
laset password	1104000	wata hana kutang ha	02-02-2110-23-07-21	PAL (EST IPD)	a proper si in verse proven el	
	\$754568	Matts Panel Notting Hill	02-06-2016 23:57 21	FAIL TEST input	t 2 (Input 2) in Area 1 (Area 1)	a Del
	5730796	Matta Panel Noting Hill	01-08-2016 17:03:45	DURESS Entern	ed at Console 1 (RAS 1) by User 50 (TECOM Master)	8 Del
	5544539	Matta Panel Notting Hill	29-07-2016 12:29:41	TAMPER DOP 1	16 (DGP 16)	8 Dec.
Interlogix	10 +					First Previous & Next

Site Status

Displays summary of site events, which can be filtered by different parameters such as input alarms, system alarms, relay status plus much more. Alarms can be acknowledged via this option.

tecom		ciose Since						
Home Deshboard	Of Setup Open / O	liose Time	•					
Operations o	Details for pare	H - Bec C	10 63 for area					
History events	Select Area							
Sistus rt audiing								
Open and close times	Opens				Closes			
eports 0	Monday	1	08:00	0	Monday	1	21.00	0
Control Users	Tuesday	- t	08:00	0	Tuesday	1	21:00	0
Administration II System II	Wednesday	1	08.00	0	Wednesday	1	21.00	0
System 0 Help =	Thursday		06.00	0	Thursday		21.00	0
Logout Reset passeord	Feday	1	08:00	0	Fidey		23-00	0
	Salarday		08:00	0	Saturday		21.00	0
	Sunday		08-00	0	Sunday		21:00	0
							Savo	Canosi
_								
Chinterlogix								

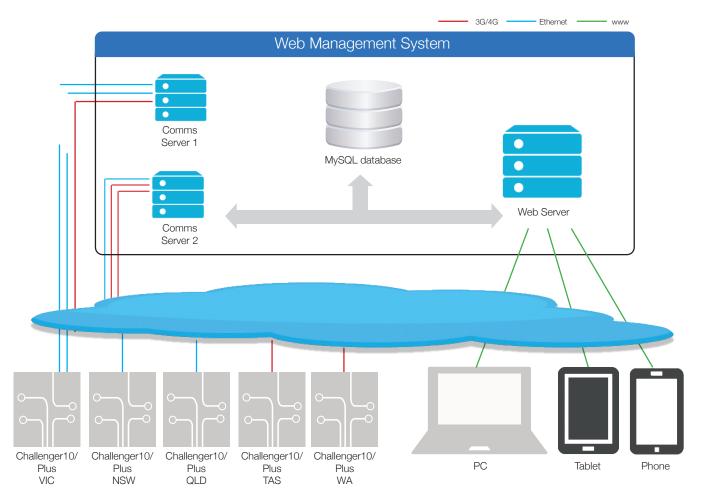
Operation hours

Provides a detailed report indicating the activity per site. Report contains information of the site manager and email address.



Operator generated reports Reports can be quickly generated and filtered by one of the standard options or non-standard options using Boolean logic, exported as a PDF or CSV file.

System Diagram



NOTE: The above system diagram is a representation of Web Management System connectivity and expansion capabilities. For configuration options and site capabilities of your individual requirements Aritech recommends that you work closely with our team to determine the best solution.



CTPlus Integration

With the new CTPlus integration, users can register their CTPlus software with a WMS server to provide automatic availability to program designated panels. Access to panels is governed by WMS permissions and can be limited to specific tasks dependent on the operator's assigned role.

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2.5 2024 New Features:

- Multi-site user management
- Enhanced API calls supporting all WMS features
- Cyber security updates
- OS updates.

2.4 2023 New Features:

- Updated operating system: Ubuntu 22.04 LTS
- With WMS 2.4 the Linux OS has been upgraded to Ubuntu 22.04LTS. A currently supported and feature rich Linux deployment.
- Optional operating system: RHEL 8.6
- WMS 2.4 now has the ability to be deployed to RHEL 8.6 Linux environments.
- Due to the complex nature of deployment and ongoing maintenance/support, this option is not available as a standard deployment option. Please consult your local Aritech representative to find out more.

Bulk Panel Programming

Utilising the same CTPlus integration, users can now leverage the connection from CTPlus to the WMS database to modify the programming of multiple panels at once.

Please note: custom firmware available only from Aritech under license agreement is compatible with the Bulk Panel Programming feature.

Benefits:

- Reduced administration time
- · Enhanced control of on-site programming via Operator permissions
- Enhanced reporting of audit trails
- Single database held in WMS reduces error as operators no longer have to upload or download when programming panels
- Fast deployment of new programming to an entire fleet of Tecom equipment when required

Multi-site User Management

Available from WMS 2.5 onwards, multi-site user management has been added to WMS.

This feature allows users to create Unified Access Groups and Controller Access Groups to effectively configure user access rights across multiple Tecom Challenger Plus control panels.

Benefits:

- Reduced administration time
- Enhanced user control
- Enhanced access rights management
- API calls available to support integrated systems

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Specifications

Server Specification: Recommended								
Web/Application Server	Up to 100 Panels (Advanced Edition)	Up to 1000 Panels (Enterprise Edition						
CPU	4 Cores	8 Cores						
RAM	4 GB	32 GB						
Storage (drive)	250 GB SATA SSD	1 TB SATA SSD						
Storage (total recommended)	480 GB or higher: 2 x 250 GB SSD in Raid1 configuration	2 TB or higher: 2 x 1 TB SSD in Raid1 configuration						
Disk throughput	Minimum 1000 iops	Minimum 5000 iops						
Physical server recommendation	Dell R250 or better	Dell R350 or better						
Virtualisation	vmware ESXI recommended	vmware ESXI recommended						
Storage								
Events storage	1 GB per mil	ion events						
WMS								
Challenger panel support								
Challenger10 ChallengerPlus (WMS 2.2 onwards)	Yes	3						
Panel user update	Yes	3						
IP Panel Connection	Yes	· · · · · · · · · · · · · · · · · · ·						
Panel time synchronisation	Yes	3						
Firmware update utility	Yes	Yes						
3G/4G Communication Module	Yes	Yes						
OS Support								
Ubuntu	22.04	LTS						
Optional paid upgrade								
RHEL	8.6	3						
System Management								
Multi-client	Yes	3						
Multi-tenancy	Yes	3						
Advanced operator permissions	Yes	\$						
Alarm handling								
Predefined alarm responses	Yes	3						
Reporting								
Automated reports	Yes	3						
Custom history report	Yes	Yes						
Time and attendance	Yes	Yes						
Multiple formats (PDF, CSV)	Yes	Yes						
Features								
Multi-monitor support	Yes	3						
Scalability								
Clients	1,00	0						
Maximum panels	1,000 (assumes 1 connected communica	ations path per panel) per panel server						
Maximum active communications path	1,000 per pa	nel server						
Events per second	200)						
Maximum database size	4 TI	3						

The WMS API is also available for working with third party systems. Please contact your local Aritech representative to find out more.



Web Management System (WMS)



About Aritech

Aritech provides leading security and life-safety solutions for both commercial and residential applications covering intrusion, video, transmission and access. Offering some of the most-trusted product names in the industry, and backed by ongoing partner services and support, Aritech helps customers secure and protect what matters most.

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