CENTSYS

SupaHelix™

Take high volume access control to the next level

SupaHelix™

SupaHelix hasn't just raised the bar in multi-unit access control – it's changed the game completely. Its high-security controller with intuitive navigation interface makes for an access control system that delivers unmatched convenience, security, logging and administration.

With **SupaHelix**, you'll enjoy a multitude of features as well as easy administration and event logging for your peace of mind.

Main Features

Store up to 10 000 remote buttons

This isn't the So-So Helix, it's the **SupaHelix**, which means that there are no half measures taken. With a huge memory capacity (10 000 remote buttons), the **SupaHelix** is most at home in large, high-density residential, commercial and government installations.

Flexible input/output channels

Each of the three channels can be configured as either an input or an output, and the output mode can be set to be momentary, pulsed or latching. Outputs can be used to open an automated gate, switch on a pool pump or control any number of electrical devices, while inputs are perfect for performing monitoring operations, such as tracking how many times, and when, a safe door has been opened.

Clever design

No matter how passionate one is about technology, nobody likes spending hours trying to determine which wire goes where. The **SupaHelix** provides removable terminal strips so that setup and maintenance can be as hassle-free as its other attributes.

Transaction logging

The **SupaHelix** electronically logs each and every transaction, enabling you to monitor user activity for greater security as well as performing system diagnostics. The unit will even tell you when it was last powered down!

Easy setup and visual diagnostics

The most advanced civilisations in history knew the power of conveying information visually – with a large LCD screen and user-friendly four-button navigation, setting up the system and taking care of administration is as intuitive as taking your next breath.

Effortless backup and updating of firmware

The **SupaHelix** provides a convenient onboard USB port which can be used to back up or restore all learned-in users and system settings onto a memory stick within a matter of seconds, and to bootload updated firmware just as quickly. In addition, the removable SD card included with the controller contains the entire system's data for quick recovery.

Rising and Falling Edge inputs

Inputs can be configured to send notifications on either Rising and Falling Edge inputs, or both, making the **SupaHelix** the ideal solution for monitoring mains power and alarm systems. The system also comes standard with a built-in input filter which will, if enabled, allow the system to only send notifications if the rising or falling states have been active for the user-configured time.

Easy management of individual access

Users can be selectively added or deleted, within groups and subgroups, which means no more tiresome, disruptive and frustrating blanket operations. Each user can easily be given the individual attention they deserve!

Good-looking

The **SupaHelix's** stylish enclosure matches its powerful, multi-faceted brain. Sleek curves that seamlessly flow into one another and a wholly modern look, make **SupaHelix** an attractive and unobtrusive piece of technology.

G·WEB™

Optional GSM Module

When **GSM** technology meets powerful access control and monitoring, the result is a solution that leaves others in its dust. Unlock the full potential of **SupaHelix** with the plug-in GSM Module for **2G GSM** networks and your reward will be rich functionality, ironclad security and the ultimate in convenience.
The **GSM Module** simply plugs into the side of the Console, so there's no need for additional wiring or interfaces.

Main Features

Web-based setup, administration and data security

With your purchase of the **SupaHelix GSM Module**, you also get free [1] lifetime access to CentSys' secure online user interface, **G-WEB**, allowing you complete setup, administration of users and data backup from the comfort of your office.

Improved monitoring capabilities [2]

With the **GSM Module** fitted, you'll be able to use your **SupaHelix's** inputs to their full potential and receive SMS notifications on your phone of events such as an alarm being activated, a gate left open and mains power failed. You can also query the system health remotely, saving you all the hassle of going to site and ensuring that the system always runs smoothly.

Over-the-air backup [2]

Data security is guaranteed with full system backup over-the-air with each synchronisation.

User access via mobile phone or landline [2]

Think 10 000 is an impressive number?
Well, it is, but 20 000 is an even more impressive number!
With the **SupaHelix GSM Module** fitted, you'll be able to
add an additional 10 000 users to the system. **GSM** users
are able to activate any or all of the device's outputs via a
Missed Call (free), SMS or Please Call Me (free) [3].
Open your gate, arm an alarm, switch on a pool pump or
activate a sprinkler system (to name but a few possible
applications) from absolutely anywhere in the world with
2G GSM network coverage!

Web-based administration of SupaHelix and remote controls [2]

With your purchase of the **SupaHelix GSM Module**, you
also get free [1] lifetime access to CentSys' secure online user
interface, **G-WEB**, allowing you to take care of user
administration from the comfort of your office.

Offsite remote control administration

It's never been easier to add, edit and delete
remote controls!
You don't even need to go to site.
Simply use the **USB RF Dongle**
plugged into your computer, sync
the remotes into the
SupaHelix via the Internet
and they're in.

1. Use of **G-WEB** is free.
   Ten synchronisation credits are issued
   with each device registered on your **G-WEB**
   profile. Additional synchronisation credits may
   be purchased if required.
2. 2G GSM coverage required
3. Dependant on network

Technical Specifications

	SupaHelix	With GSM Module fitted
Supply voltage	10.5V - 30V DC	
Standby current	12V: 100mA	12V: 110mA
	24V: 70mA	24V: 80mA
Maximum current	12V: 270mA	12V: 500mA
	24V: 230mA	24V: 400mA
Operating temperature	-20°C to +70°C	
Housing material	ABS	
Degree of protection	IP50	
Functional Data		
Memory capacity	10 000 individual buttons	10 000 individual remote buttons and 10 000 mobile numbers
Input filter	0 - 9999 sec in 1 sec increments	
Network compatibility	-	2G GSM 850/900/1800/1900MHz
SIM card required	-	Yes (with voice and data services enabled, and airtime)
Inputs/outputs	Maximum 3 (selectable as any combination of open collector outputs and/or switch-to-negative inputs)	

Main Features

	SupaHelix	With GSM Module fitted
Control three channels	✓	✓
Easily add and delete remote buttons	✓	✓
Visual diagnostics	✓	✓
Transaction logging	✓	✓
System backup and restore	✓	✓
Daylight Savings Time feature	✓	✓
Capacious memory	10 000 remote buttons	10 000 remote buttons and 10 000 mobile numbers
Operate outputs via mobile phone		✓
Web-based administration		✓
Input monitoring via SMS		✓
Offsite adding and administration of remote controls and mobile numbers		✓
Over-the-air backup		✓
Over-the-air firmware upgrade		✓