



A photograph of a modern, multi-story house at night. The house has large glass windows and balconies, some of which are illuminated from within. In the foreground, there is a swimming pool with a light reflecting on its surface. A hand with white nail polish is holding a black and blue remote control device in the lower right corner. A green banner with white text is overlaid on the right side of the image.

TRANSMITTERS AND RECEIVERS

Remote control access is where security and convenience meet. Centurion Systems has a range to comply with your site's unique security requirements, whether basic or advanced.



NOVA CODE-HOPPING TRANSMITTERS

Your transmitter is more than a collection of electronics and buttons. It is a digital key into your home, your world, your life – and with CENTURION's award-winning **NOVA** range of transmitters and receivers, that key is completely unique.

NOVA transmitters offer code-hopping technology, meaning that each code that is transmitted is totally and randomly different to the last code transmitted. This prevents unwanted copying or cloning of the remote itself, and helps keep your home and belongings safe.

Now compatible with the ultra-secure, super-advanced HELIX range of receivers! True peace of mind is at your fingertips.

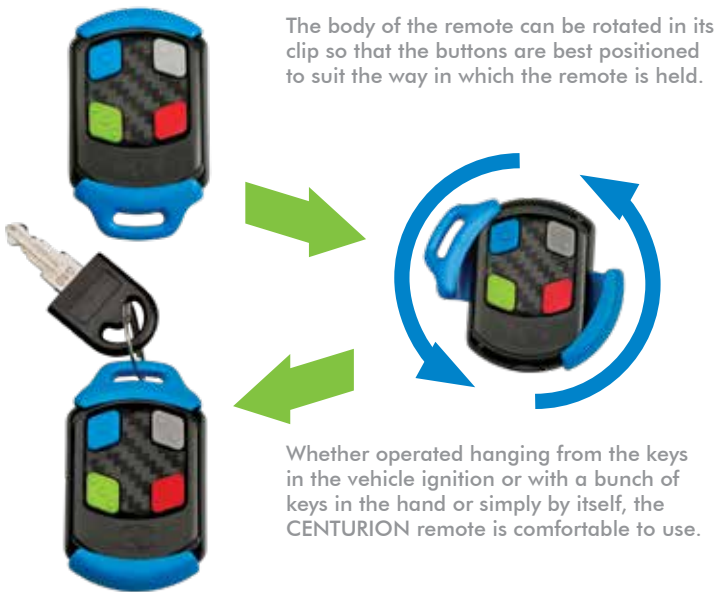


MAIN FEATURES

- **Security CENTURION style:** While pressing a button on a lesser transmitter might exploit your home security system's vulnerabilities, pressing a CENTURION NOVA's button is like putting an extra wall between you and would-be intruders. That's how secure it is.
- **Visible Battery-low indication:** With CENTURION transmitters, you'll never be caught off-guard. Thanks to an integral LED on the face of the transmitter, you'll be notified when it's time to change its battery, and the remote's clever, user-friendly design makes battery replacement quick and easy. To replace the battery, simply rotate the inner casing, remove from the outer clip, and use a coin to prise apart the inner casing to expose the battery. That's the kind of convenience that wins awards!
- **Functionality at your fingertips:** Whether you want to activate a single function, like opening your gate, or control your home's entire automation system, there's a CENTURION transmitter for you. CENTURION transmitters are available with one to four buttons and can even be increased to six buttons with certain CENTURION receivers – available with one, two or four channels.
- **Excellent immunity:** CENTURION receivers boast excellent immunity to external interference, as well as high sensitivity, which means that you get optimum range and can open your gate from a long way away. That translates into better security!
- **Durable construction:** Designed for outdoor use and built strong to withstand the very worst of Mother Nature's onslaughts, both the receivers and transmitters boast weatherproof and dust-proof enclosures, and their stylish, durable silicone buttons are designed to last for thousands of presses!
- **Ruler of airwaves:** CENTURION receivers won't leave you begging outside your gate like a scolded puppy. With stable narrow-band technology for improved reliability, one press of the transmitter button is all it takes. When a CENTURION transmitter speaks, the gate listens! No questions asked!

TECHNICAL SPECIFICATIONS

Technical Data	NOVA Transmitters
Operating frequency	433.92MHz
Frequency stability	0.037ppm/C2/10ppm/year
Power source	GP23 12V Alkaline battery
Operating voltage	12V DC
Minimum operating voltage	5V DC
Operating current	7mA
Operating temperature range	-15°C to 50°C
Packaged weight (including battery)	38g
Packaging dimensions	Length: 37mm x Width: 28mm x Height: 61mm





NOVA HELIX SINGLE- AND MULTICHANNEL RECEIVERS

The CENTURION **NOVA HELIX** system incorporates code-hopping technology to offer the ultimate security in remote control. A unique, randomly-changing code is transmitted with each operation, making it virtually impossible to duplicate the system. The receiver uses self-learning technology, for quick and easy setup.

Single-channel receivers: Ultra-secure code-hopping technology to ensure that criminals can't learn their own remotes into your system. **NOVA HELIX** single-channel receivers are ideal for activating a single function such as opening a gate or triggering a garage door operator.

Multichannel receivers: Up to four different activations with Centurion Systems' **NOVA HELIX** multichannel receivers. Open a gate for vehicles, for pedestrians, switch on a Pillar Light and activate Holiday Lockout Mode - all using a single receiver.



MAIN FEATURES

- Features secure code-hopping technology
- Receivers are self-learning, with either one, two or four channels
- Receivers incorporate stable narrow-band technology
- Highly robust dust-proof and weatherproof enclosures
- Excellent immunity to external interference for outstanding reliability
- High sensitivity delivers improved range
- Choose between ultra-secure Master learning and super easy Link Learning
- Learn Links can be disabled for added security
- Supports SmartSwitch II interfacing capabilities
- Convenient Autolearn feature
- Adjustable pulse time
- **Simple and secure:** Learning new remote buttons is an absolute cinch with the intuitive Link Learning Mode: it's easy enough for Mom, Dad, Gramps and the kids to master! And speaking of "master", switch to Master Learning Mode for an even more secure system that ensures that unauthorised individuals wanting to learn in their own remotes will have a very, very hard time. PLUS: all **NOVA HELIX** receivers support the ability to disable the function jumpers for even more security
- **Timed Autolearn:** The kids leave early for school, teenagers stay out late – it can be difficult to get all the remotes together in one place for programming. Unless you have a **NOVA HELIX**, that is. Simply set up the convenient timed Autolearn function, specify for how long it should remain active and let the **NOVA HELIX** automate remote learning for you! Multichannel receivers include advanced channel mapping functionality during Autolearn
- **Sticky Latch:** Sticky Latch functionality means that, in the event that power to the device is reset, when the power comes back on the outputs retain the state they were in prior to the power disconnect
- **A world of convenience:** All **NOVA HELIX** receivers support SmartSwitch II interfacing capability which means that, not only can outputs be safeguarded against tampering, the receiver can also be used to control up to 15 electrical devices such as gate motors, garage door motors, pool pumps, lights, etc. (SmartSwitch II devices act as the additional physical outputs)

TECHNICAL SPECIFICATIONS

Technical Data	Single-channel Receiver	Multichannel Receiver
Operating frequency	433.92MHz	
Supply voltage	12V – 24V DC	
Quiescent current @ 12V DC	11mA	
Maximum current @ 12V DC	40mA	
Operating temperature	-15°C to 50°C	
Humidity	0 – 90% (non-condensing)	
Sensitivity	-115dB	
Self-learning memory	62 buttons	250 buttons
Receiver enclosure	UV stabilised ABS	
Degree of protection	IP54	
Packaged weight	65g	145g
Packaging dimensions	Length: 78mm x Width: 58mm Height: 31mm	Length: 117mm x Width: 67mm x Height: 35mm





SUPAHELIX PROGRAMMING CONSOLE

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

Mechanical Features

- Large LCD screen and four-button navigation make setup child's play
- USB port input for backup of system memory and bootloading
- Removable connectors – for ease of setup and maintenance
- LCD screen provides instant diagnostic feedback
- Aesthetically pleasing design – sleek, stylish and modern appearance

Electronic Features

- 10 000 button capacity – perfect for high-density residential complexes
- Robust, interference-free remote control learning
- Transaction logging for ease of user activity and system diagnostics
- Easy management of individual access – users can be selectively added or deleted within groups and sub-groups
- Virtually unlimited transaction logging via onboard SD card¹

- Three flexible input/output channels – can each be configured as timed, momentary or latched
- Inputs are configurable as rising or falling edge – includes an adjustable filter input
- SD card contains the entire system's data – makes for quick recovery and improves data security

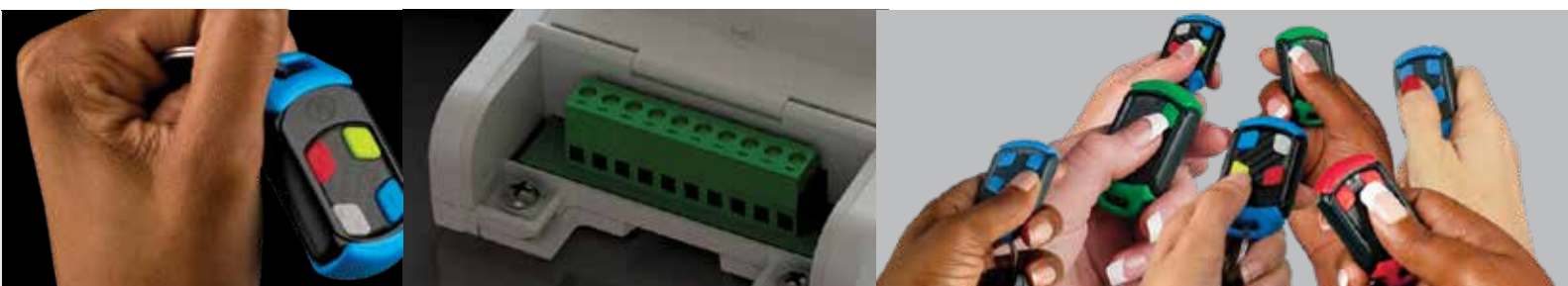
1. Limited SD card capacity

TECHNICAL SPECIFICATIONS

Technical Data	SupaHelix Programming Console
Supply voltage	10.5V - 30V DC
Standby current	12V: 100mA (110mA)
	24V: 70mA (80mA)
Maximum current	12V: 270mA (500mA)
	24V: 230mA (400mA)
Operating temperature	-20°C to +70°C
Output rating	Open collector - maximum current 50mA per channel
Display	2.4 inch 128 x 64 transfective with backlight
Housing material	ABS
Degree of protection	IP50
Weight	370g
Packaging dimensions	Length: 171mm x Width: 47mm x Height: 232mm

Functional Data	CP104 Receiver V3.1 (or later)
Supply voltage	10.5V - 30V DC (powered through the SupaHelix)
Operating frequency	433.92 MHz
Sensitivity	110dB
Degree of protection	IP54
Maximum distance between a Programming Console and receiver	250m
Packaging dimensions	Length: 78mm x Width: 58mm x Height: 31mm

Technical Data	SupaHelix
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





OUR DIGITAL AND ONLINE BRAND PRESENCE AND SUPPORT

WEBSITE

- Landing pages in French, Spanish, Portuguese and Thai
- Access to product documentation, comparison charts and diagnostic guides
- Device software
- G-WEB PLUS interface for administering CENTURION GSM devices
- Massive library of useful articles
- <http://www.centsys.com>

SUPPORT

- Dedicated technicians, unrivalled backup support and friendly and efficient sales personnel
- Technical support in all official languages, as well as French, Spanish and Portuguese
- Call centre operates 7am to 6pm (GMT +2), Monday to Friday and 8am to 4:30pm (GMT +2) on Saturdays

SOCIAL MEDIA

- “Like” our Facebook page (www.facebook.com/centurionsystems) and follow us on Twitter (@askCenturion) for all the exciting company news, launches, roadshows, competitions as well as technical and sales support
- Subscribe to our YouTube channel for access to an extensive library of how-to videos and tutorials
- Interesting and innovative installations from around the world, including unusual uses of CENTURION products
- Are you on our YouTube channel? Showcase your installations!

NEWSLETTER

- Fantastic way of staying abreast of company news, developments, events and functions, new products and enhancements to existing range



INDUSTRY-LEADING PRODUCT TECHNOLOGIES

TECHNOLOGY

CENTURION products feature a host of industry-leading technologies, all conducive to greater security, greater convenience and superior functionality. Just some of the advanced technologies found in our products are:

- **ChronoGuard** – a world-first timer technology that allows the user to set a myriad Auto-activation and Time-barring functions using the onboard Real Time Clock and Calendar, which tracks the date up to the year 2099
- **Intruder-detection Alarms** – The novel feature-set – consisting of the Beam Alarm and Ambush Alarm - ups the security ante even further by providing an audible output when the infrared gate safety beams are obstructed, or remain interrupted for a pre-defined period of time
- **Code-hopping technology** – CENTURION remote controls are equipped with code-hopping encoders which process the outgoing transmission through a sophisticated encryption engine, making copying and cloning virtually impossible. No two transmitted codes will ever be alike

- **Onboard diagnostics** – Our D-Series range provides both audible and visual feedback of the gate status at any given time. In addition, a designated diagnostic screen makes fault-finding a breeze
- **High-volume capability** – CENTURION operators are designed to work hard, and work hard they do – with some operators such as the SECTOR II traffic barrier being capable of performing in excess of 3000 operations every single day



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