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
Single and Multichannel Receivers
Product Code: Single-channel receiver: **RX1NV2433;** Two-channel receiver: **RX2NV2433;** Four-channel receiver: **RX4NV2433**

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The Centurion Systems' NOVA 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 impossible to duplicate the system.
The receiver uses self-learning technology, making it quick and easy to set up.

Models Available

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

NOVA multichannel receivers: Up to four different activations with Centurion Systems' NOVA 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

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 - 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	
Packaging dimensions	Width: 78mm x Depth: 58mm Height: 31mm	Width: 117mm x Depth: 67mm x Height: 35mm
Packaaged weight	65g	145g

NOVA™

116mm | 67mm | 33mm | 75mm | 55mm | 33mm

NOVA SINGLE & MULTICHANNEL RECEIVERS

NOVA
Code-hopping Transmitters
Product Code: **TX1NV2433, TX2NV2433, TX3NV2433, TX4NV2433**

The award-winning NOVA remote controls offer code-hopping technology. Each code transmitted by the remote is randomly different from the last code transmitted. This prevents unwanted copying of the remote signal and cloning of the remote itself.

Models Available

One button

Two button

Three button

Four button

Main Features

Mechanical Features

- Transmitters are available with one to four buttons

- Belt or visor clip supplied as standard – conveniently hang your keys from your belt or stowaway for quick accessibility in the car

- Simple jumper-based learning system to facilitate the easy addition of new transmitters to the receiver

- Remote belt clip doubles as wall mounting bracket – convenient Wall Pendant for operating garage door motors, or for remote control of lighting, etc.

- Weatherproof housing for receivers and remote controls

Electronic Features

- 433MHz operating frequency

- Large maximum supply voltage range – maximum 40V DC

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
Dimensions	Width: 35mm x Depth: 16mm x Height: 59mm
Weight (including battery)	38g
Packaging dimensions	Width: 37mm x Depth: 28mm x Height: 61mm

59mm

35mm

16mm

CODE-HOPPING REMOTE CONTROLS

SupaHelix
Programming Console
Product Code: **RXTHV1433**

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

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
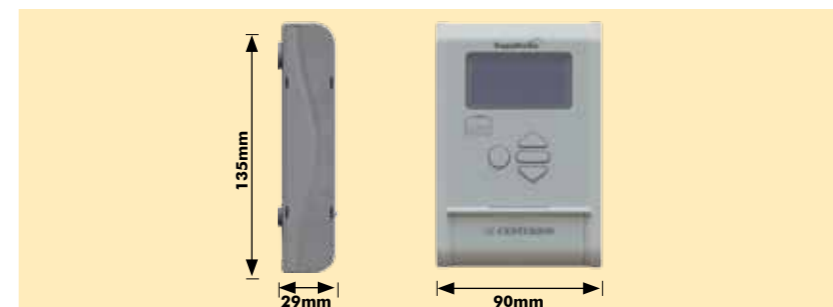
Electronic Features

• 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 card [1]

• 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 to 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 - +70°C
Output rating	Open collector - maximum current 50mA per channel
Display	2.4 inch 128 x 64 transflective with backlight
Housing material	ABS
Degree of protection	IP50
Weight	370g
Packaging dimensions	Width: 171mm x Depth: 47mm x Height: 232mm

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

	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 [1]
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	-	√

1. With optional GSM Module fitted

SupaHelix™

135mm 29mm 90mm

ADVANCED ACCESS CONTROL & MONITORING SYSTEM

SupaHelix
Plug-in GSM Module
Product Code: **RXTHV1433GSM**

CENTURION

Give your SupaHelix system even more functionality and flexibility with the optional plug-in GSM module.
The SupaHelix GSM enables you to take care of site administration and firmware upgrades from the comfort of your home or office and gives you even more monitoring options with advanced features such as Filter Time and rising and falling edge input monitoring.

Main Features

- Web-based remote control administration[1] – add or delete individual remote controls from the comfort of your office
- Easy online administration[1] – system configuration and administration can be done on the G-WEB online portal
- Over-the-air backup[1] – full system backup over-the-air with each synchronisation
- User access via mobile phone[1] – offers alternative to remote controls
- Versatile access options[1] – open gate via Missed Call (free), Please Call Me (free) or SMS
- Notification of inputs and alerts by SMS[1]

- Hassle-free user labelling – user labelling per remote control and mobile phone via G-WEB[1]
- Logging can be synchronised via the G-WEB online portal[1]
- Advanced timer functionality – ChronoGuard (a world first) setup via G-WEB with daylight savings support
- Over-the-air bootloading for system upgrades and restoring
- Ability to personalise home screen – provides a value-added service to customers[1]
- Facility to send bulk SMS messages to system users

1. Requires 2G GSM network

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 - +70°C
Output rating	Open collector - Max current 50mA per channel
Display	2.4 inch 128 x 64 transflective with backlight
Housing material	ABS
Degree of protection	IP50
Weight	370g
Packaging dimensions	Width: 171mm x Depth: 47mm x Height: 232mm

Functional Data	SupaHelix with GSM Module
Memory capacity	10 000 individual buttons and 10 000 mobile phone numbers
Output pulse time range	0.5 sec - 9999 sec in 0.5 sec increments
Input activation	Rising edge, falling edge or both
Input filter	0 - 999 sec in 1 sec increments
Inputs/outputs	Max of 3 (selectable as any combination of open collector outputs and/or switch-to-negative inputs
Network compatibility	GSM 900/1800MHz
SIM card required	Width: 171mm x Depth: 47mm x Height: 232mm

	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 1
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	-	√

1. With optional GSM Module fitted

SupaHelix™

135mm
29mm
90mm
50mm

GSM ADVANCED ACCESS CONTROL & MONITORING SYSTEM