



TRANSMITTERS AND RECEIVERS

Remote control access is where security and convenience meet. CentSys 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_AU**; Two-channel receiver: **RX2NV2433_AU**; Four-channel receiver: **RX4NV2433_AU**

The CentSys 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 CentSys' 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 |
| Packaged weight | 65g | 145g |



NOVA Code-hopping Transmitters

Product Code: TX1NV2433_AU, TX2NV2433_AU, TX3NV2433_AU, TX4NV2433_AU

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 Switch 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
- Shift functionality allows a three-button remote to effectively act as a four-button transmitter; the four-button remote effectively gains two extra buttons

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 |



SupaHelix Programming Console

Product Code: RXTHV1433_AU

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

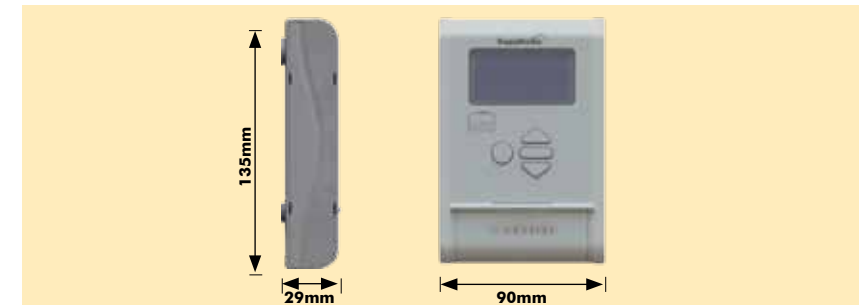
- Large LCD screen and four-button navigation make setup child's play
- USB port input for backup of system memory and bootloading
- Removable connectors – for ease of setup and maintenance
- LCD screen provides instant diagnostic feedback
- Aesthetically pleasing design – sleek, stylish and modern appearance

Electronic Features

- 10 000 button capacity – perfect for high-density residential or commercial installations

- 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 transfective 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

Plug-in Module for 2G GSM Networks

Product Code: **RXTHV1433GSM_AU**

Give your SupaHelix system even more functionality and flexibility with the optional plug-in GSM Module. The SupaHelix GSM Module 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 administration¹ – add or delete individual remote controls from the comfort of your office
- Easy online administration¹ – system configuration and administration can be done on the G-WEB online portal
- Over-the-air backup¹ – full system backup over-the-air with each synchronisation
- User access via mobile phone¹ – offers alternative to remote controls
- Versatile access options¹ – open gate via Missed Call (free), Please Call Me (free) or SMS
- Notification of inputs and alerts by SMS¹
- Hassle-free user labelling – user labelling per remote control and mobile phone via G-WEB¹
- Logging can be synchronised via the G-WEB online portal¹
- Advanced timer functionality – ChronoGuard (a world first) setup via G-WEB with daylight savings support
- Over-the-air bootloading for system upgrades and restoring¹

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 transfective 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

