



SMART MONITORING & ACCESS

CONTROL

General Features

- **NEW FEATURE** Control your device via **Bluetooth** if you are close by. The app seamlessly connects via Bluetooth if the mobile network is experiencing problems.
- LTE/4G SIM for connectivity.
- Activated Vodacom SIM with all data and premium features included
  for 1 year. Simply install the device and start using it.
- **Cellswitch Nano: 10 Users**, remotes, tags and faces.
- **Cellswitch Nano Plus: 10 000 Users**, remotes, tags and faces.
- Integrated high-gain antenna.
- Unlimited alerts and control with our Accentronix Smart Home app.
- Monitor gate status and alarms as well as battery voltage.
- Get access control notifications.
- **Advanced Electric Fence Keypad interface.**

Remotes & Tags

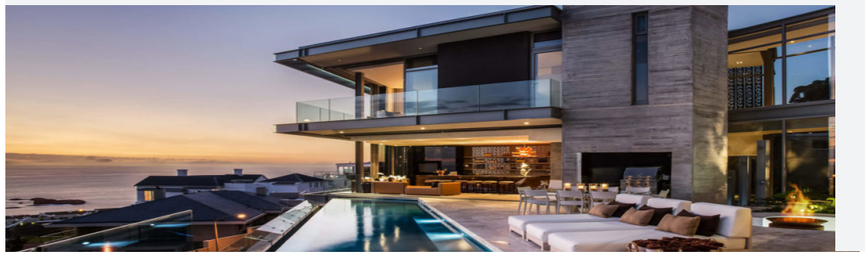
- External Accentronix NOVA Receiver for NOVA remotes.
- Have full control over your tags by connecting an Accentronix MIFARE Tag Reader to your device.
- Monitor, manage and block remotes, tags and users.
- Restrict access for domestic, gardening and security services to specific days and times.
- Effortlessly bulk learn remotes and tags off-site.
- Complete log reports.
- Replaces old tag readers and receivers.

Access Control

- Feature-rich, easy to use website for centralized management.
- Access control for up to 10 000 users, **remotes**, **tags** and **faces**.
- **Visitor control with One-Time-PIN** using wired & wireless keypads.
- Guest house and restricted time-based access control for domestic and gardening services.
- Daily peak-hour gate open/close timers with a calendar for inactive days including Public and School Holidays.
- Detailed access control reports.
- **Free welcome SMS messages to new residents.** This message includes specific instructions and a link to download the app.

Electric Fence Monitoring

- Seamlessly connects directly to the energizer's **keypad data interface.**
- **Advanced integration with all popular brands and models.**
- **Monitor and control the energizer** with buttons on the app, missed call or SMS.
- Monitor fence health, alarms and battery voltages. *Fence voltages on certain models only.
- **Automatically switch the energizer to high/low voltage or turn it on and off during certain times and days.**



GET YOUR DEVICE ONLINE

5 SIMPLE STEPS

1. **Go to www.accentronix.co.za to create an admin account.**

   Connect 12 or 24VDC (max 32V DC) to the device and wait for the green LED on the device to start flashing slowly.
2. **Go to 'Register Device' and enter the cellphone number, or SIM serial number (international SIM). Give the device a name and click on 'Register'.**
3. **Select 'Access Control' and add your name and mobile number in the access control list, then click on 'Update Device'.**
4. **Download the Accentronix Smart Home app onto your phone. (REMEMBER to add your admin account log-in details in the 'admin account' section on the App to be able to access all the admin features)**
5. **Control the device with the buttons that will automatically appear in the app. You can also control the device by giving it a missed call on the SIM card.**

- A free welcome SMS containing instructions is sent to each new user whenever they are added to the system.

LINK YOUR REMOTES TO THE CLOUD

CONNECT AN EXTERNAL ACCENTRONIX RECEIVER

1. Go to the 'Remotes' tab next to a user.
2. Click on 'Quick learn remote' and press any button on the remote 3 times.
3. Press 'Update device' after adding remotes and users.

Note:

- You do not have to be on-site to learn a remote. Simply change the 'gateway' option to the device you are the closest to. This allows you to add remotes to a site while you are on a different site.
- Bulk-learn remotes in the 'pre-registered remotes' section. These remotes can then be linked to users at a later stage.

LINKING MULTIPLE DEVICES TOGETHER

HOW TO LINK MULTIPLE DEVICES OVER THE CLOUD

1. Simply click on the 'Linked Devices' tab in the Users section and select a Master device to link to.
2. The device is now set as a Slave and is now magically linked over the cloud to the Master.
3. All users, remotes and tags are now managed from the Master only.
4. It's as simple as that!

- Slave devices appear on the Master when managing remotes and tags.
- All linked Master and Slave device App buttons will appear as one device on the Accentronix Smart Home app.
- Magic tip: Devices can magically control each other over the Cloud. Simply add each device as a 'user' in the other device's access control list and enable 'Alerts' for that user/device. Input 1 on the one device will now instantly control Output 1 on the other device on the other side of the world.

ONE-TIME-PIN VISITOR ACCESS

External keypads are used for access control and visitor OTP features. Residents can invite guests via the Accentronix Smart Home App. Guests receive an SMS or WhatsApp with a PIN code to use at the gate.

HOW TO INVITE A GUEST USING THE APP

1. Install the Accentronix Smart Home app. Devices linked to the resident's mobile number will appear automatically.
2. Tap 'Invite a Guest' to add a visitor and set access for one entry, one exit or the full day.
3. The visitor receives an SMS or WhatsApp with their OTP, instructions, and a Google Maps link to the property.
4. The resident receives an instant notification once the OTP is used.

LICENSE DISK SCANNER



FULL ACCESS CONTROL INTEGRATION

- Driver's License Photo extraction.
- Direct outgoing calls from the scanner.
- Take photos of ID, vehicles and passengers.
- Detailed log reports containing Driver License Photo and Vehicle information.
- Hassle-free as the SIM and Airtime is fully managed by Accentronix.
- There is a once-off fee for the hardware followed by a monthly or yearly subscription, based on the chosen plan.

EASY-CONNECT FACIAL RECOGNITION SYSTEM



EFFORTLESS PLUG & PLAY INSTALLATION

- Fully integrated with the Accentronix ecosystem.
- Can be installed and configured in minutes by anyone.
- No special training or PC needed.
- Users enrol their own faces through the Accentronix Smart Home App.
- Users and restrictions are managed seamlessly online.
- Subscription includes: SIM & data.
- Free for the first year, then billed annually.
- Works with the Easy-Connect Could Hub.

HOME AUTOMATION

Create custom buttons to control your lights, geyser, irrigation and swimming pool pump. Monitor alarms, water tanks and even your aquarium water level.

HOW TO CREATE CUSTOM BUTTONS ON THE APP

- Default buttons will automatically appear according to the application type you selected when you registered the device.
- Customize names and commands of the buttons in the button section.
- You can even set a button to control multiple outputs at the same time i.e. "All lights off".

HOW TO CONTROL YOUR ALARM PANEL

- Arm, disarm and monitor your alarm by connecting the device directly to your alarm panel. See our online "How to" section for connection diagrams and instruction on the most popular alarm panels.

HOW TO SET THE DEVICE TO BE A STAND ALONE ALARM SYSTEM

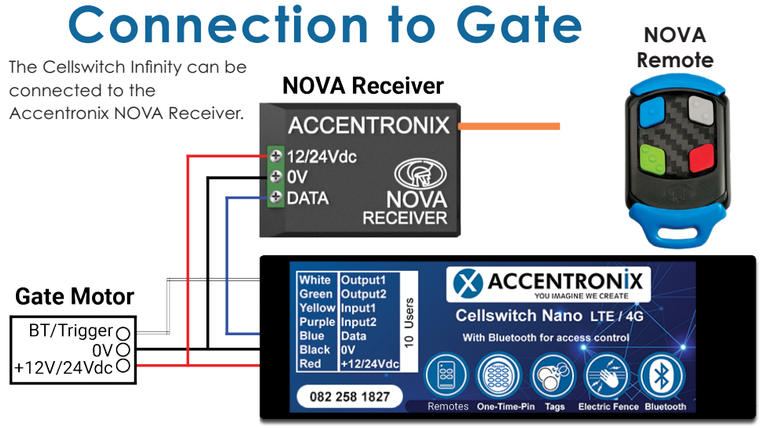
- Simply enable the "Alarm mode" option in the general setup section. You will now be able to arm and disarm Input 1 and 2 of the device for monitoring alarm and door sensors.
- Connect a siren to Output 1 and a status LED to Output 2.
- Arm and disarm by using the app, remote, tag reader or keypad.
- Remote buttons can be configured to arm/disarm, open a door and panic.

Inputs, Outputs & Power Supply

- 12Vdc to 24Vdc @ Idle: 100mA, Max: 1Amp(we recommend connecting the device directly to the battery as it may draw up to 2Amp in pulses.) Refrain from connecting the device to the gate AUX output as it will cause power issues.
- 2 inputs and 2 outputs.
- **Output 1 and 2** are open collector outputs which can be connected directly to the gate trigger (max 1 Amp @ 32V DC).
- **Custom commands and buttons can be setup on the app to control the outputs.**
- **Input 1 to 2** is triggered high by applying 12 or 24VDC to the input.
- Input trigger alert messages can be customized online.
- Energizer keypad data interface.
- Dimensions: 120 x 38 x 8mm

Connection to Gate

The Cellswitch Infinity can be connected to the Accentronix NOVA Receiver.



ACCESS CONTROL TIPS & FEATURES

- Two or more devices can be seamlessly linked via the cloud to operate as one, allowing you to manage multiple devices across entrance, exit, and pedestrian gates together.
- A device can be linked to multiple accounts, with different user access levels assigned by the owner.
- Use output timers to automatically open the gate during peak hours and keep it closed on weekends, public, and school holidays.
- Connect the entrance or exit loop via Output 1 to ensure a vehicle is present before access is granted.
- Output 1 and 2 delay timers can activate a mag-lock or trigger entrance and exit loops for a set time.
- Set the integrated output timers to trigger the exit loop for 120 seconds to allow for enough time for a visitor to reach the exit gate.
- Connect Output 1 and 2 directly to the gate and pedestrian triggers. These outputs are 'open collector' outputs which means it gives 0V to whatever it is connected to while it is switched on. To drive heavier loads, connect the one end of the coil of an external (12/24V DC coil) relay to 12/24V DC and the other end of the external relay's coil to an output. If the output is switched on, it will supply 0V to the relay and turn it on.
- Default SMS commands: On, Off, Pulse, On2, Off2, Pulse2, Status. These commands will only work if your mobile number is loaded onto the access control list.

- NOTE: Monitor gate status by connecting Input 1 of the Cellswitch to the gate status of the gate controller.

ACCENTRONIX TAGS



HOW TO LEARN A TAG

1. Go to the 'TAGS' tab next to a user.
2. Click on 'quick learn TAG' and tap the tag on the reader.
3. Press 'Update device' after adding tags and users.

Notes: You do not have to be on-site to learn a tag. Simply change the 'gateway' option to the device you are the closest to. This allows you to add tags to a site while you are on a different site.

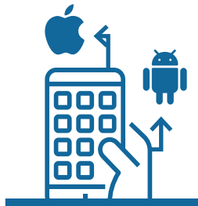
ABOUT THE SIM CARD AND SUBSCRIPTIONS

One year premium subscription is included when you buy this device.
The following premium features are included:

- The included Vodacom SIM card has already been RICA registered and activated with data by Accentronix.*
- All Data, 30 free backup SMS messages per month and unlimited updates.*
- Our server sends a free welcome SMS containing instructions to each new user.
- After 1 year, you will receive an invoice for renewal.
- Security upgrades and premium support is also included.
- Please see our Subscription Terms of Service for pricing.

*Please see website for terms and conditions and fair usage messaging policy.
*Included SIM card and Free SMS messages for South Africa only.

Accentronix Smart Home App



Download Our App

Using the App

- Control your gate and garage with a push of a button.
- Use the app to invite a guest, learn a remote, add a restricted access control user and receive unlimited alerts and notifications.
- Devices and buttons will automatically appear for any resident whose mobile number is linked to the system. Residents will however not be able to make any changes to the system or be able to invite a guest if these features are not enabled by admin.

App admin levels

- Different levels of admin privileges can be assigned depending on whether you are the owner, access control administrator or a resident.
- Installers can use the app to set the device up, add and edit control buttons, check status and test the device on site. Installers and admin need to link their account in the 'Admin Account' section in the app to enable them to make changes.
- As a backup service, you will receive alerts by normal SMS if your phone temporarily loses its internet connection. You will also be able to control the device by normal missed call from within the app while you are offline.*
- All residents need to download the Accentronix Smart Home App free of charge.

Trouble Shooting

- This device contains very sensitive electronics and is susceptible to interference caused by electric motors, electric fences, high voltage cabling and other devices that emit electromagnetic interference. We highly recommend installing the device as far away from any such sources as well as doubling up on 12/24Vdc power cables that supply the device.
- During power-up and after an update the GREEN LED will be solid for a few seconds.
- The GREEN LED will start to flash fast when the device registers on the GSM network. After the device is successfully logged onto the cloud the LED will flash slowly every 3 seconds. This can take up to a minute.
- If the LED stays solid or keeps on flashing fast for more than 5 minutes, the SIM cannot connect to the internet. Move the device to a higher position and check the signal strength. Minimum recommended signal is 14. Max is 31.
- Make sure the device is vertically mounted, not inside a metal enclosure or close to any metal as the integrated high gain antenna may be affected.
- To check the status, voltage and signal, SMS **Status** to the SIM.
- The RED LED shows the on/off status of Output 2 as well as various error codes. If connected to an energizer, a flashing RED LED indicates communication with the keypad data connection.
- If you do not have the app installed on your phone, or if your phone loses its internet connection, you will receive alerts by SMS as a backup (max 30 SMS messages per month).
- Contact support on 021 330 5016 7-days a week for fast and friendly service. or go to our online HELP section for more info.

Quick Start Guide

Open your Camera to Scan.

Get in Touch

Office and Technical
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Technical support
Whatsapp line:
+27 63 631 0314

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SCAN ME

ACCENTRONIX
The access control system *that keeps you safe*