

Enterprise

Communication solutions for all sectors

Telecoms

Solutions for Fixed and Mobile carriers

Transport & Utilities

Control, Monitoring and Communication solutions

Government

Securing operations

“Delivering Innovative and reliable Network Solutions “



EWAY SOLUTIONS AND SERVICES LTD



Surveillance

We provide complete network solutions utilizing cutting edge telecoms equipment sourced globally and integrated by our professional staff

Experience

We have many years' experience in designing, implementing, managing and maintaining network. Our multi-skilled team span communication network disciplines from network infrastructure to converged network solutions.

Our Markets

We are traditionally focused on fixed and mobile tele com network operations. The convergence of technologies and increased use of communication networks has led to our development into Transport, Utilities, Government, private sector and Enterprise Security.



Automatic Bollards



Automatic Barriers

Our experienced team have delivered challenging projects meeting stringent timescales, budgets and technical constraints. We aim to maintain a technical focus through our specialist staff.



Automatic Gate



X-ray Baggage Scanner



Public Address System

Delivering Commercial Results

Whether the requirement is for an innovative approach to support legacy network deployments, or to deliver a cutting edge next generation network. Our optimized solutions are designed to meet your business case requirements, optimizing spend and maximizing return on investment.

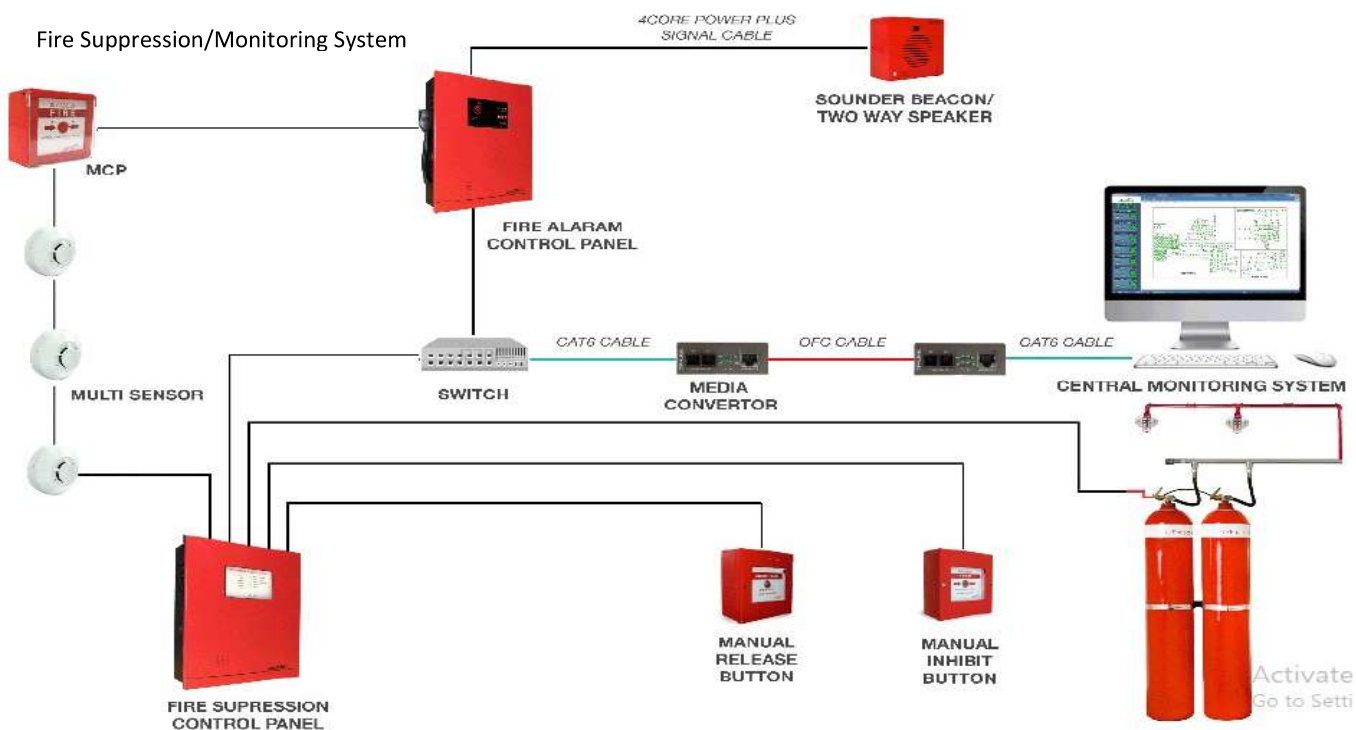
Long Term Commitment

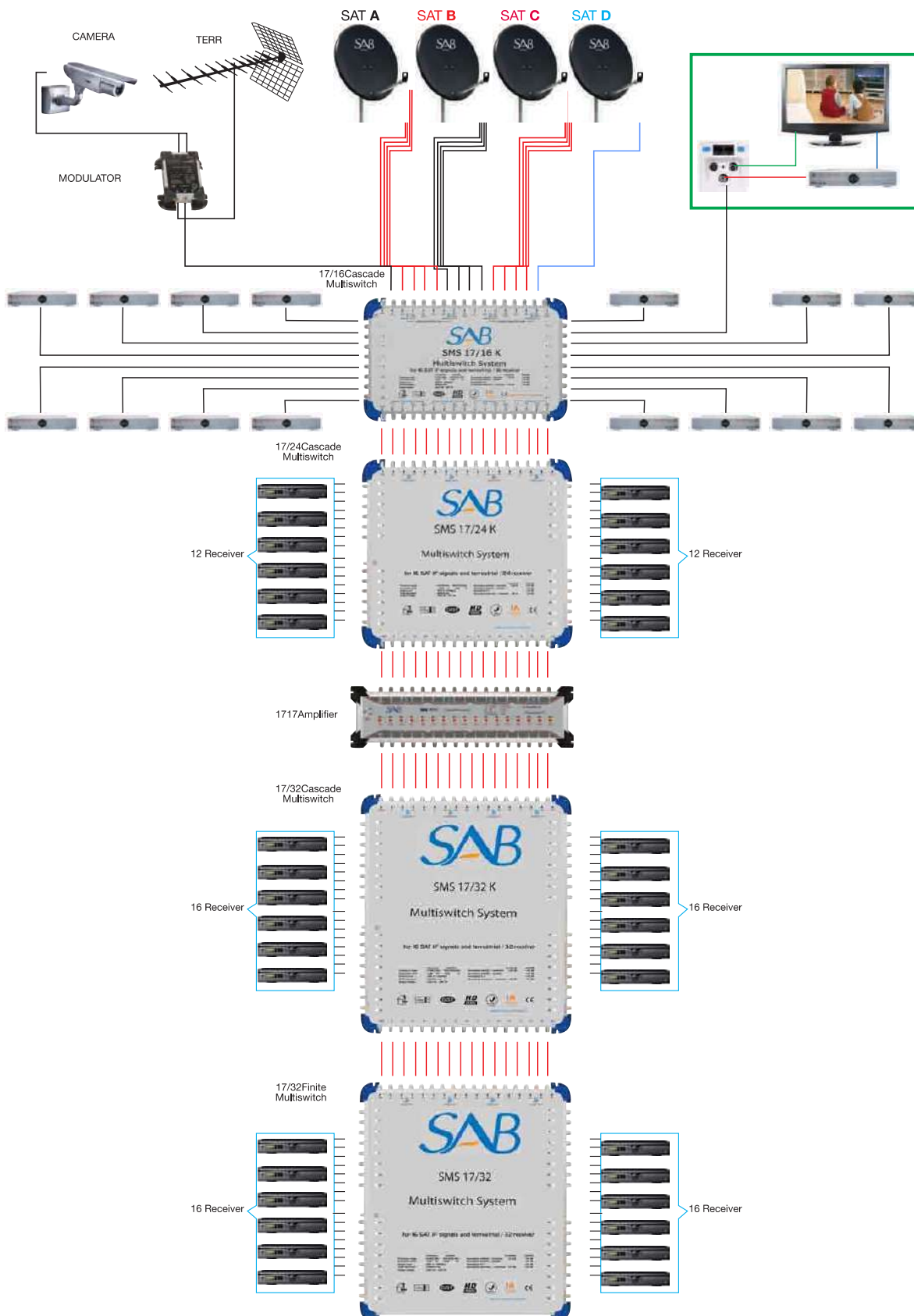
We are a leader in the delivery of performance enabling services, and support our solutions from network conception to retirement. Our services are designed around network value enhancements that accelerate, extend and optimize the value of both legacy and cutting edge communication networks. Our commitment is to support your network from conception through its entire life cycle.



Electronic Key Management System

Fire Suppression/Monitoring System





**DIAGRAM of DISTRIBUTION for 104 APARTMENTS
MULTISWITCH SYSTEM WITH 4 SATELLITES, 1 LOCAL ANTENNA, 1 CAMERA**

Some of Project installed above solution:

Podium Heights, Icon apartments, Riviera Court, Laduvet Riverine Apartments, Santaq Villas, Semeq Villas among others

SMART AUTOMATION



While the way that we build homes has remained relatively unchanged over the decades, the amount of technology that we're including in them is increasing. We're installing several lighting circuits per room, a burglar alarm system, more involved heating control and much more... This can result in having multiple switches and points of control in each room. Does this really make for a more convenient lifestyle?

Is there a better way?

If you're planning a new build, renovation or extension, it is the right time to ask yourself if there are better options. Is what you are including in your home going to compliment your lifestyle over the years to come? And can it be adapted as your needs change over time?

Technology can be scary, but there must be a way to improve on what we include in our homes without sacrificing on ease of control, familiarity and reliability.

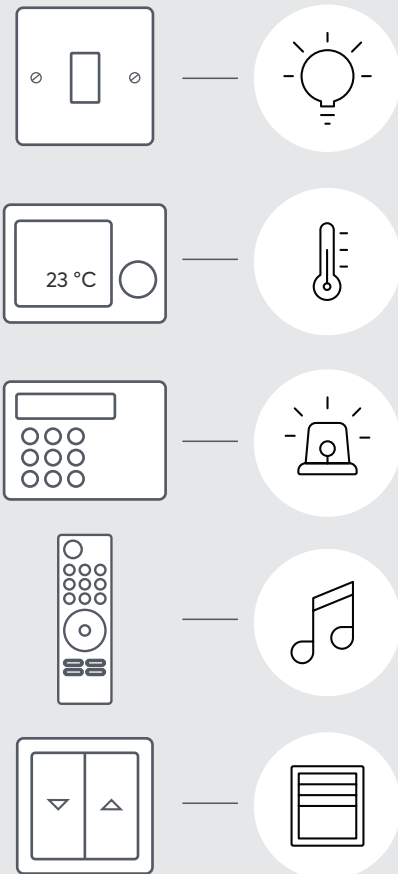
Convenience without compromise

Yes. We can improve the way technology is added to our homes without the risk of it becoming complicated. You can add extra lighting in your kitchen renovation or extension without a bank of switches to control it all... You can have a heating system that works on a room-by-room basis without extra buttons on the wall...

This brochure will show you how. It will introduce you to a versatile home automation and control solution that by its very nature is designed to add as little or as much modern-day convenience to your home without complicating the way you live in it.



Adding more technology to our homes...



This can very quickly become complicated.

or



The benefits of this solution

Versatile

This solution can add as little or as much functionality as you want.

Ease of use

The solution is designed with an emphasis on convenience for the whole family - without a complicated layer of control.

Adaptable

Over time the way you live in your home will change, this solution can be changed to suit.

Privacy

Data on the way you use your home is not collected or used externally in any way.

Reliable

All parts of this solution are designed to work together from the start - and last for years to come.

Familiarity

There is a user-friendly consistency throughout your home, with a simple, unified switch design and free app.

All-in-one

One dedicated installer responsible for all the features you choose to have. Across the categories of lighting, heating, security and more...

Behind the scenes

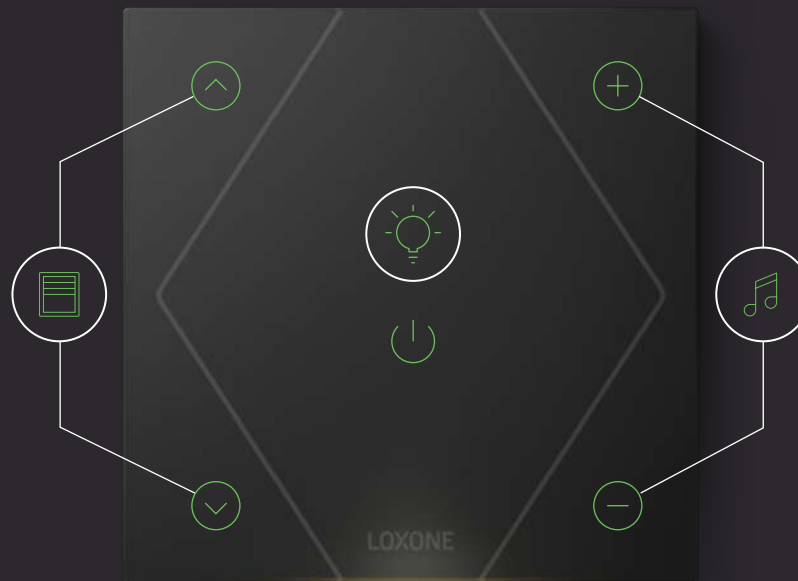
This solution introduces technology into the home behind the scenes - complimenting the interior rather than distracting from it.

Simple, unified switches

Adding more technology shouldn't be at the compromise of convenience or result in a bank of switches in every room. This solution remains user-friendly for the whole family throughout your home thanks to a consistent layout.

Centre

The centre of the switch controls lighting. Whether it's to turn the lights on, off or to select different colours.



Corners

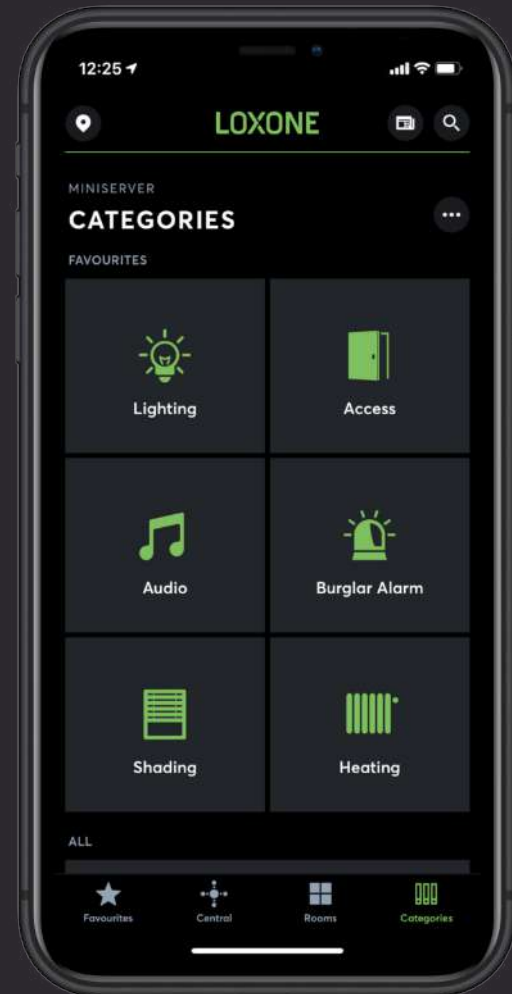
The corners of the switch give you more control based on the features you've chosen. This could include, for example, controlling the music or the blinds in that room.

A user-friendly app

To complement the switches in your home you will also get a user-friendly app to conveniently control and monitor all of the features you have chosen to have installed - even when you're not at home! In the app, you can control everything you can from the switches and much more.

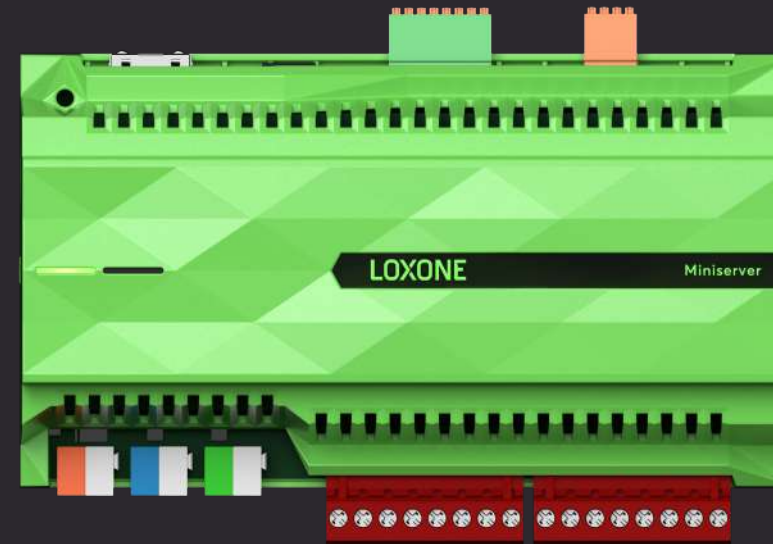


The app is conveniently broken down into categories and rooms so you can always find what you're looking for. You can also decide who in the family can control each feature



A solution for everyone

The options included in this brochure so far have been compiled to inspire you. If you only want to add smart functionality to part of your home or you only want to implement a single feature in your new build, renovation or extension, then this is also possible. Speak to your installer about a solution that meets your requirements and budget.



Miniserver - Installed behind the scenes. It acts as the heart of every smart installation.

Lighting

Motion triggered lighting

Lights will come on when a Presence Sensor detects motion.

Lights can mimic occupancy when you're out

As a deterrent, lights in your home turn on and off periodically making it seem like someone is at home.

Lights turn off automatically when not needed

Depending on the room, lights will turn off if no motion has been detected for a set period of time.

Conveniently switch off all lights from one switch when leaving your home

You'll never have to worry about lights being left on again. You can switch off all the lights in your house using the switch by your front door as you leave.

Factors in natural light levels

If a room is already filled with enough natural light the lights in that room will not turn on with motion to save energy.

Central monitoring and control of lighting in the app

You can conveniently check the app to see if lights are on or off and even control them whether you're at home or not.

Lights stay on if noise is detected in that room

If you are watching the TV in the living room, for example, the noise from this will keep the lights on even if no motion has been detected.

Dimmable lighting

The brightness levels of lights with this feature can either be adjusted in the app or set levels can be selected from a switch.

Night Mode lighting

When motion is detected, in rooms with dimmable lighting during the night, only low levels of lighting will be brought on so you're not dazzled.

Option for automatic porch lighting

Controls are made available for two outside lights - that you can specify separately.

Undercounter/cabinet LED lighting

Additional task lighting available in selected rooms which can be controlled separately to the main lighting in that room.

Option for lights to flash when doorbell is pressed

You can choose to have the lights in specific rooms flash subtly when the doorbell is pressed.

Coloured lighting

This option of lighting can be set to almost any colour you can think of. You can select predefined colours from the switch in that room or enjoy even more control from the app.

Control for a living room reading lamp

This includes a smart plug to control a standalone lamp that you can specify separately.

Heating

Temperature and humidity monitoring

The temperature and humidity level in each room is measured with the built-in sensors in each switch.

Temperature is maintained when you're still in the room

If you are still in a room and the heating is scheduled to turn off, the temperature will be maintained for as long as motion is detected.

Individual room control

You can set a suitable comfortable temperature for each room in your home.

Frost Protection

Your heating system ensures the temperature in any room never drops below a set point.

Intelligent learning

Your heating system will learn how long it takes to reach the temperature that you have set for each room to ensure rooms are always the right temperature at the right time.

Statistics in the app

You can monitor the usage and performance of the heating throughout your home.

Weekly schedule with holiday integration and custom calendar entries

More than just a Monday to Sunday timer, you can customise exactly when the heating should be on or off - taking into account school & public holidays and when you're returning from holiday.

Optional maintenance reminders

Depending on your heat source you can be reminded of required annual maintenance, the changing of filters, etc.

Notifications of changes to the system

You can be notified should the system detect any unusual behaviour.

Central monitoring and control of heating in the app

At a glance, you can see the current temperature in each room and whether the heating is on in those rooms. You can also edit the heating schedule and define the various temperature set points.

Security

Presence-based burglar alarm

The burglar alarm is triggered if motion is detected inside your home.

Easy day and night arming options

Your burglar alarm can monitor different motion sensors for example upstairs or downstairs, based on whether you're arming the burglar alarm during the day while everyone is out or at night when everyone is asleep.

App notifications when something is amiss

If the burglar alarm is triggered you will get a notification via the app - letting you know which sensor has triggered.

Lights can flash throughout your home when burglar alarm is triggered

You can choose to have the lights in your home linked to the burglar alarm so that they flash as a deterrent during a potential break-in.

Delayed arming feature

You can specify a set number of seconds before the alarm is armed giving you enough to leave your home after setting the alarm.

Multi-staged alarm

If your alarm is triggered, you will first receive a notification. Depending on the additional features in your home the next stages can include visual and audible elements.

History logs

In the app, you can view a recent history of the exact sensors that had led to the burglar alarm being triggered and at what time this happened.

Optional panic buttons

You can choose to include a feature whereby a long press on chosen switches can send a panic notification to other members of the household.

Central monitoring and control of burglar alarm in the app

For peace of mind, whether you are at home or not you can view the status of your burglar alarm, as well as set or unset it from the app.

All speakers will sound if burglar alarm is triggered

You can choose to have any or all of the multiroom speakers in your home play an alarm siren sound, or a specific audio file of your choosing, if the burglar alarm is triggered.

Multiroom Audio / Multimedia

Play music in different rooms

Play and control the music in each room with speakers.

Music can start automatically when entering a room

You can choose to have music automatically start to play as you enter a room. You can customise which music starts to play, at what volume and at what time of the day this should happen for each room.

Control music from the switch

You can conveniently play & pause, control the volume and even change what's playing from the switch in that room.

Central control of music in the app

The app gives you complete control over what you want to play in each room. You can see at a glance which rooms music is playing in, change what's playing and adjust the volume.

Option to play predefined messages based on events in your home

Predefined messages and reminders that you have set can play through speakers in chosen rooms based on conditions such as time and date.

Record your own announcements to play in different rooms

In the app, you can record a quick voice note and choose to play it over the speakers in specific rooms.

Stream audio from Spotify & TuneIn

With support for Spotify & TuneIn, you can choose any music, radio station, etc. from these services to play in your chosen rooms.

Play from your personal music collections

Music saved on a hard drive or USB stick can be played through the speakers in a chosen room.

Support for Apple AirPlay

With AirPlay technology, you can play music from your iPhone, iPad or Mac through the speakers in a chosen room.

Option to have your favourite playlist wake you up the morning

You can have music or a radio station gradually start to play at a specific time in the morning to wake you up.

Set individual music favourites in each room

Depending on the room, you can choose to have a selection of your favourite music playlists or radio stations conveniently available to select from the switch in that room.

Conveniently switch off audio from one switch when leaving your home

When leaving your home, you can turn off all music playing in any of the rooms from the switch by the front door.

Speakers play a notifications when you have a visitor

When someone presses the doorbell, a chime will play in the rooms with speakers. If music is already playing in a room, it will be paused for the chime to play and then the music will resume.

Option to automatically stop music in the living room when the TV is turned on

When you turn on your TV (compatible models) in the living room from the remote control, if there is music playing in the room the music will be stopped automatically.

Turn off the TV from selected switches

Turning the lights off in the living room from the switch in that room can also turn off the TV (compatible models). This also works when turning off all of the lights in your home from the switch by your front door.

Control your TV from the Loxone App

Compatible TVs can be controlled using the app on a smartphone or tablet.

TV can turn on & off to mimic occupancy when you're on holiday

As a deterrent, compatible TVs can be turned on for a set amount of time to mimic a routine - making it seem like someone is at home.

Access

HD video intercom to see and speak with anyone at your front door

With the app, on a smartphone or tablet, you will be able to see who is at your front door. You will also be able to answer the intercom to speak with your visitor.

Connect to your intercom even when you're not at home from the app

You can see and speak with anyone at your front door via the app even when you're not at home.

Answering message

If you're not available to personally answer the intercom, you can use the app to choose to play a predefined message through the intercom based on who is at your front door.

Access and recent visitor history in the app

You can choose to have your intercom take a photo when someone presses your doorbell. From the app, you can view a recent history of your visitors as well as a log of when the keypad was used.

App notifications when someone rings the doorbell

Whether you are at home or not, you will be notified that someone is at your front door via the app.

Keypad with fob reader to disarm burglar alarm

Each member of the household can conveniently disarm the burglar alarm using either a unique pincode or a secure fob.

Central Functions

Night Mode

The features that you have chosen to have in your home can perform differently at night, for example lower levels of lighting, audio playing at lower volumes, the doorbell being muted and only certain sensors being monitored by the burglar alarm. This is activated from a bedside switch or the app.

All Out Mode

The features that you have chosen to have in your home can perform differently when you're all out for the day. This includes turning off all lighting and music, following a set heating schedule and arming the full burglar alarm. This can be activated from a switch in your hallway or from the app.

Room Off

The last person leaving a room can conveniently turn off all lighting and music with a simple double-tap on the switch in that room.

Away Mode

The features that you have chosen to have in your home can perform differently when you are away for an extended period of time such as on holiday. This includes following a holiday heating schedule with Frost Protection, mimicking presence and setting the full burglar alarm. This can be activated from within the app.

Operating Modes

You can choose to have additional operating modes set up based on the features you have chosen to have in your home. This can include an entertaining mode or school holiday mode; whereby the lighting, heating and security perform differently.

Other

Free app control for all member of the family

There is no limit to how many family members can download the free app. Speak to your Loxone installer about creating logins for each member of the household.

Hot water scheduling

You can conveniently set a schedule for your hot water so you always have it when you need it - without wasting energy.

Option to create your own automatic rules

In the app you can create your own automation from the features you've chosen to have in your home.

Option to create your own sequences

If you find that you are often using the same features in the app in one go, you can create your own sequence to trigger these actions together.

System Status messages

Similar to the lights on the dashboard in your car, the app will show you important information about your system.

Simple, unified switches

Interacting with the features in your home should not be complicated. A familiar switch in each room offers an intuitive and consistent ease of use for the whole family and any visitors.

Secure app connection with the option to connect when you're not at home

To protect your data and privacy, the app's communication with your home is encrypted. You can also choose to be able to connect to your home when you're out.

Smart bedside alarm clock with control for lighting

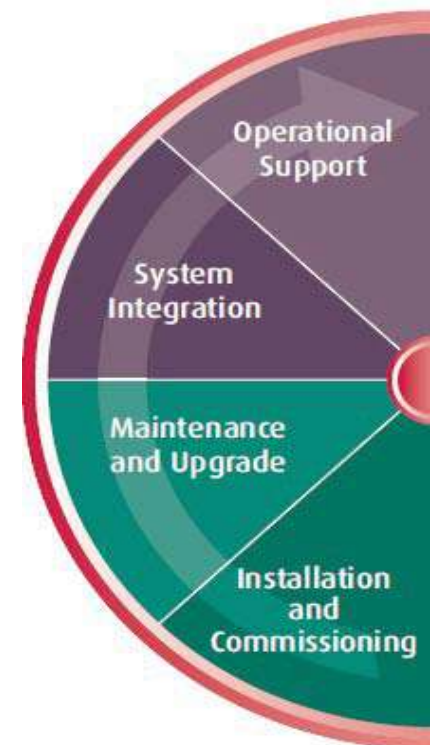
This stand alone device can be placed next to your bed giving you another familiar point of control for the features in your home. It includes a built-in alarm clock and colour-changing light.

Operational and Maintenance

- Equipment & system evaluation & testing
- Training services
- RF Planning - microwave, Wi-Fi, cellular in-building, transmission & data network design & capacity planning
- Synchronization consultancy & design
- Network consolidation

We pride ourselves on our passion customer service and dedication to delivering excellent

We are a clear recognized delivery partner for network service solutions. Our performance delivery spans design and install through to maintenance and support. Our services are designed around a time to value experience that can accelerate, optimize, and add value to high performance cutting edge communication networks. We can extend life span on legacy networks.



Implementation

- Integrated project management within all areas of scope
- Installation & commissioning of equipment & services
- Common processes & procedures eliminate duplication & reduce cost
- Multi-skilled engineers
- Delivery of system upgrade programs on live networks
- Broad range of vendor relationships & accreditations

Implementation and Integration Services combined with our Infrastructure, Planning and Build expertise are designed to bring revenue generating capabilities online faster. We can provide our clients with productivity gains through faster equipment rollout of new

Delivered Solutions

- **CCTV Security Surveillance** – Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited), Overseas Technical Support Services Limited and podium Realtors limited
- **VHF Radio Systems** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **CCTV Security(transport)** - Kenya Railways (under main contractor Horsebridge network systems East Africa limited)
- **Access Management** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited) Alandick East Africa Limited.
- **Complete Network Management** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited), Thika Power.
- **Complete Network Infrastructure** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Bollards (Automatic hydraulic and pneumatic bollard)** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Automatic gate control (both swing and sliding)** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited).
- **Automatic barriers** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Fire suppression and fire monitoring system with graphic layout** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Guard Patrol control system** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **License Plate Recognition System** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited), KENHA unmanned weigh bridge data collection stations (under main contractor techpool limited)
- **X-ray scanners and Walk through metal detector** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited).
- **Intercom** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Public address system** - Kenya Railways, Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)
- **Keys Management System** - Central bank of Kenya (under main contractor Horsebridge network systems East Africa limited)

Some of Products/Solutions manufacturers in our experience.

- DVTEL currently FLIR
- IMRON
- MORPHO
- ASL (Application Solutions (Safety and Security) Ltd)
- MOTOROLA
- NUCTECH
- BFT AUTOMATION
- APT SECURITY SYSTEM
- AXIS
- HTS VEHICLE RECOGNITION SYSTEM
- CISCO
- Ecos Systems

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