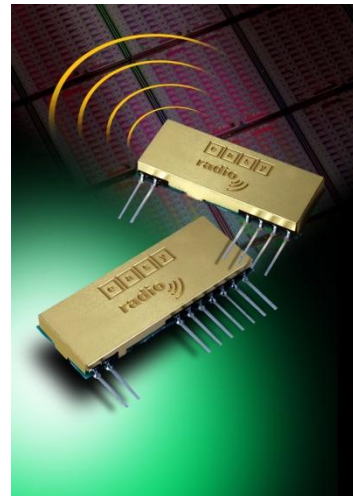




VELOCITY COMPONENTS



Low Power Radio Solutions easyRadio Advanced(eRA)



Embedded Wireless Solution



VELOCITY COMPONENTS



What is easyRadio Advanced(eRA)?



Why use easyRadio Advanced(eRA)?

Which applications can use easyRadio Advanced(eRA) ?



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What is easyRadio Advanced(eRA)?

easyRadio Advanced is a module developed by Low Power Radio Solutions (LPRS) that provides a simple solution in the 433-434/868-870 MHz band for general purpose **Short Range Devices (SRDs)**





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Why use easyRadio Advanced(eRA)?

- No need to develop additional wireless software, just focus resources on YOUR product
- Avoid hassle and cost of government approvals*
- Hence, reduce time taken to launch your product

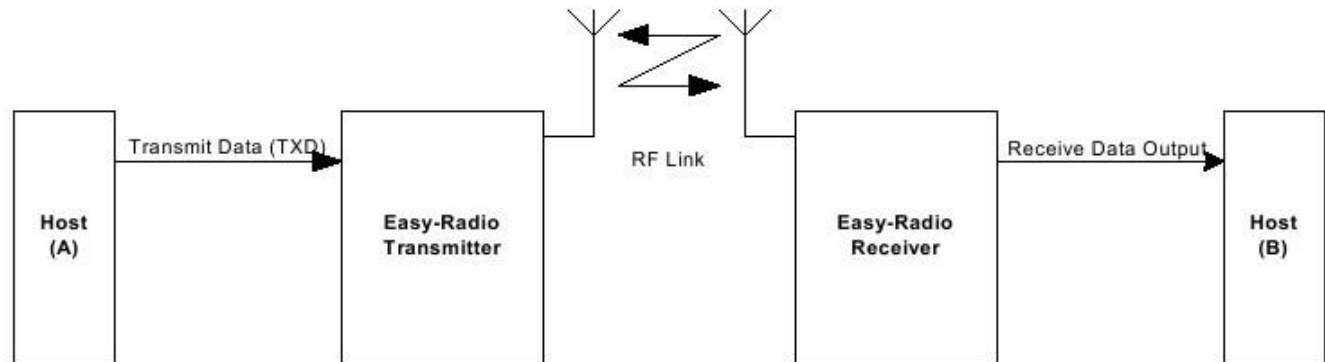
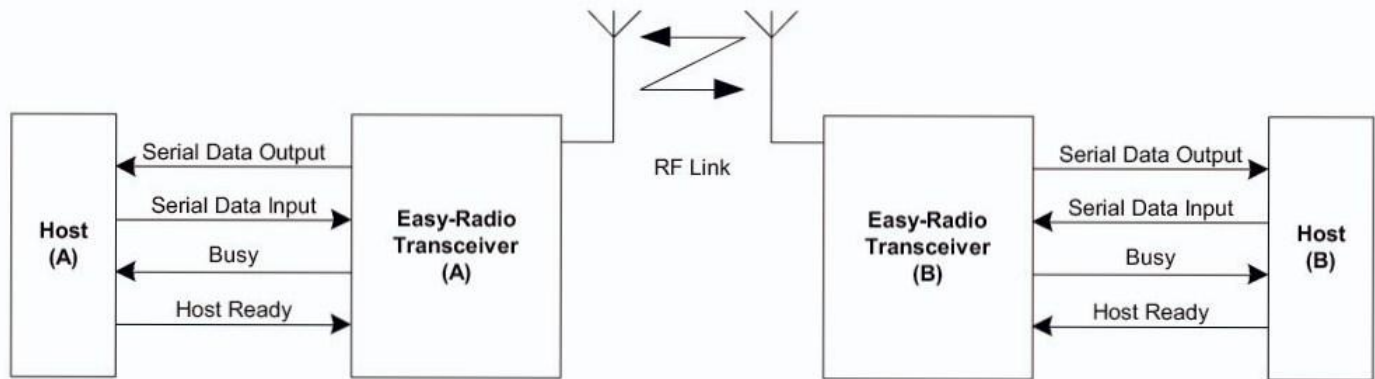




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Why use easyRadio Advanced(eRA)?





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Which applications can use easyRadio Advanced(eRA)? **Data Transfer**



ELECTRONIC DISPLAY SYSTEMS



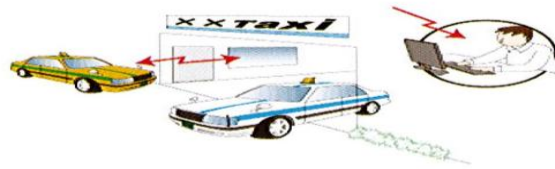
Transmits data to display on electronic signboards for shops and public display boards.

WIRELESS SCOREBOARD



Remotely controls data to display on a scoreboard such as scores, time, team name etc.

MOBILE DATA COLLECTION SYSTEM FOR TAXI COMPANY



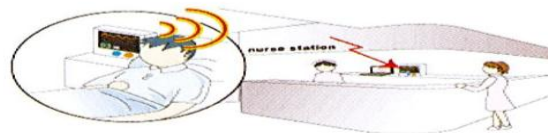
Centrally collects log and other data from returning cars.

ELECTRONIC BUS STOP DISPLAY



Transmits traffic and service information to displays at each bus stop.

MEDICAL TELEMETRY



Transmits patients physiological data (e.g., cardiac signals) to a monitoring system located at the bedside or nurse station.

ROBOT CONTROL



Controls various movements of high-performance robots such as walking, carrying, jumping etc.



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Which applications can use easyRadio Advanced(eRA)? **Telemetry**



DATA COLLECTION FOR WATER MANAGEMENT SYSTEM



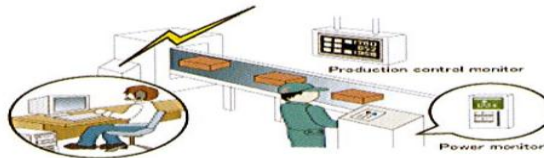
Collects data of water levels, quality and temperature from multiple points in the river or water source.

TEMPERATURE AND HUMIDITY MONITORING SYSTEMS



Centrally monitors refrigerator/ freezer temperature, greenhouse temperature/humidity, air-conditioning etc.

ENERGY MONITORING SYSTEMS



Monitors energy consumption for cost saving and environment efficiency purposes.

UTILITY CONSUMPTION MONITORING SYSTEM



Monitors utility service consumption of apartments, houses, schools and public facilities.

WIND POWER MONITORING SYSTEM



Centrally monitors wind power output of each generator, as well as wind speed, direction etc.

MANHOLE PUMP CONTROL SYSTEM



Two-way communication systems for controlling drain water pumps and providing alarm of problems.



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Which applications can use easyRadio Advanced(eRA)? **Telecontrol**



INDUSTRIAL CONTROL



Telecontrol of industrial and construction machinery where high reliability and high resistance to harsh environmental conditions are required.

TRAFFIC SIGNAL CONTROL AT ROADWORKS



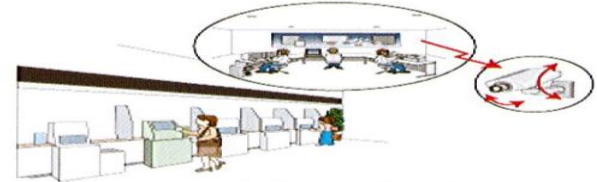
Switches the signals and controls the synchronization of the system.

REMOTE CONTROL OF VEHICLE MOUNTED SEARCHLIGHTS



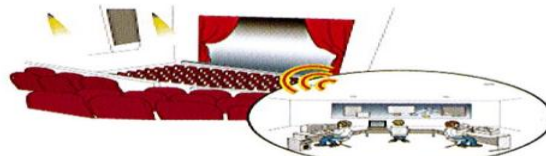
Controls the pan/tilt of lighting equipment attached to cars for emergency or leisure use.

SECURITY CAMERA CONTROL



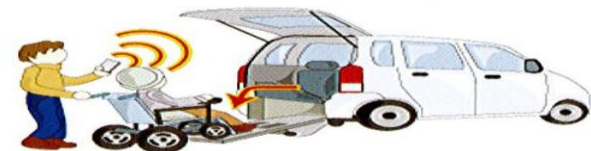
Controls the pan and tilt operation of the cameras.

LIGHTING CONTROL



Controls lighting at community halls and events.

CONTROL OF DISABILITY EQUIPMENT



Controls the wheelchair lifts installed in disabled adapted vehicles.



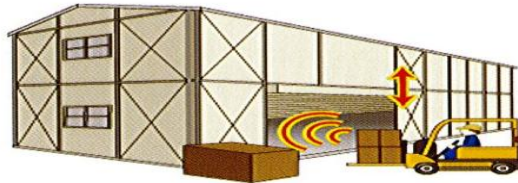
VELOCITY COMPONENTS



Which applications can use easyRadio Advanced(eRA)? **Telecontrol**

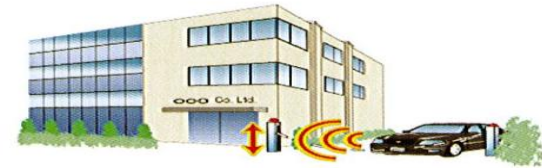


REMOTE CONTROL OF ROLLER SHUTTERS



Remote operation of shutters from forklift.

AUTOMATIC CHAIN GATE OPERATION



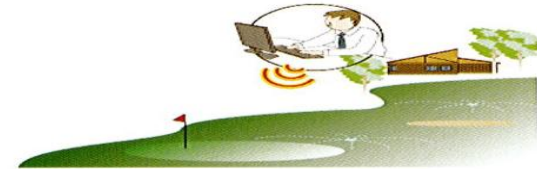
Remotely controls the chain gate from a car at a long term unmanned parking lot.

REMOTE CONTROL GOLF CART



Caddies can remotely control golf carts.

REMOTE CONTROL SPRINKLING SYSTEM



Remotely controls the sprinklers on a golf course.

TELECONTROL OF AGRICULTURAL HOSE REEL



Starts and stops the power sprayer and reels in the hose.

LED DISPLAY CHECK SYSTEM



Remotely checks the operation of LED road signs from a maintenance vehicle.



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Which applications can use easyRadio Advanced(eRA)? **Paging / Alarms**



ANTI SHOPLIFTING ALARM



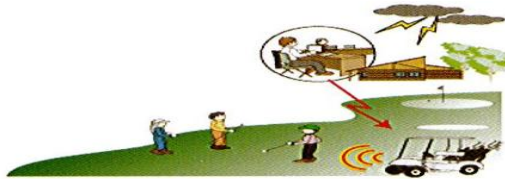
Transmits data from each anti-shoplifting gate installed in a shopping centre or large store, to the security office.

SUPERMARKET PAGING SYSTEM



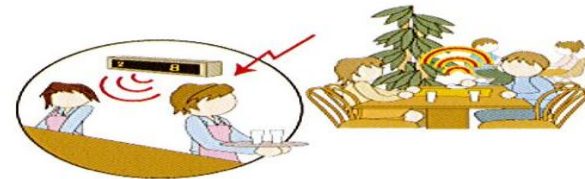
Pages store staff at each section of a store.

GOLF COURSE WARNING SYSTEM



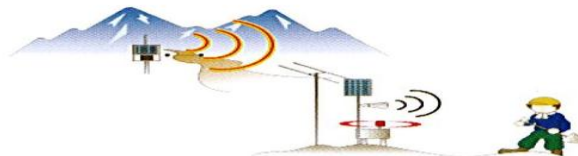
Sends an alarm to page someone, or to warn of lightening or dense fog from a clubhouse to the golf carts on the course.

RESTAURANT PAGING SYSTEM



Pages waiting staff at a restaurant.

DEBRIS FLOW ALARM SYSTEM



Immediately alerts a worker downstream of the occurrence of trouble upstream.

RESCUE SYSTEM FOR ACCIDENTS AT SEA



Emergency alarm system for persons falling overboard.



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Case study 1: Live Vehicle Speed Monitoring in Sweden

easyRadio wireless modules provides wireless connectivity between sensors and data collectors for a vehicle speed monitoring and recording system

More case studies can be found at:
<http://www.lprs.co.uk/case-studies.html>





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Case study 2: Laser Combat and Gaming Systems in UK

easyRadio wireless modules provides low power radio communication between gaming units, offering the ultimate in realistic laser combat, paintball games

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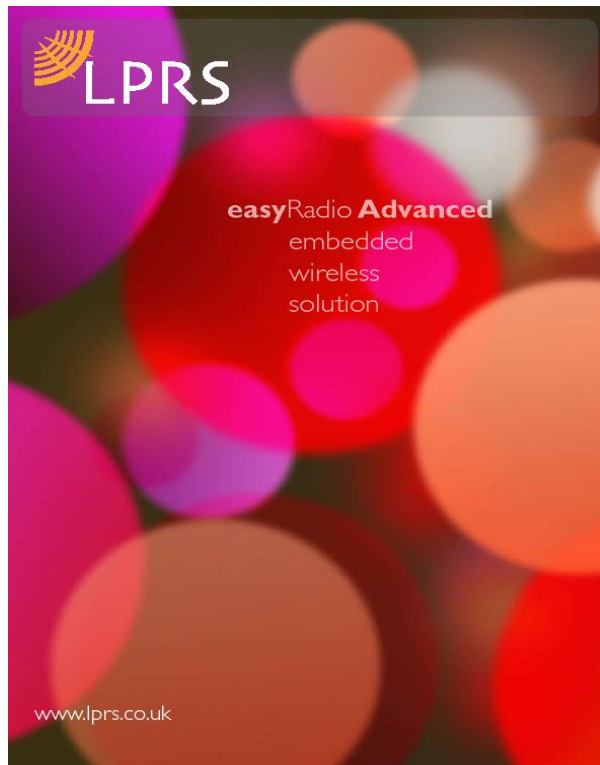




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Product brief:



Watch on Youtube:

<http://www.youtube.com/lowpowerradio>



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