

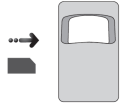
Quick Start - S-PIR

Please ensure you read all safety and quick start instructions before use.



S-PIR from SeNd Technology is a PIR motion/heat detector with SMS Alerts built-in. It is used primarily as a security system for houses, holiday homes, garages and other buildings that you want to monitor unauthorised movement. When the S-PIR is armed and triggered it will send a SMS message to configured mobile numbers in sequence until the SMS is delivered. It will follow the SMS with a voice call which you can answer and through the S-PIR's built in microphone, listen in remotely.

SIM Card registration - if you are using a PAYG SIM Card rather than a Contract SIM Card, you will need to register your PAYG SIM Card and add credit to it by following network providers instructions in the booklet provided with your SIM card. Make sure that any PIN codes are disabled.



Insert SIM card into device. Plug in power supply connector. Plug power supply into mains socket. **System will start in 1-2minutes.** Red LED behind PIR Lens will blink rapidly during this start-up phase - if it continues to blink rapidly check the SIM card is inserted correctly. After this initial period the LED will only light up when movement is activated - This is only visible when the unit is disarmed.

Basic Programming is carried out by sending SMS messages (from your mobile phone) to the S-PIR unit (The SIM card mobile number):

**** Important where the underscore symbol is shown _ this represents a SPACE****

- 1. Change default password:** Send SMS `0000_PSW_XXXX` (where XXXX is a new 4 digit number) eg `0000 PSW 1234`
- 2. Add Supervisors** - Up to 5 supervisors can have access to the configuration of the S-PIR. The supervisor will be able to arm/disarm the S-PIR from their authorised number plus they will receive the SMS Alarm message and voice call from the unit when it has triggered. To set the supervisors please follow the following:
 - 1st Supervisor** - Send `XXXX_NR1:44YYYYYYYYYYYYYY` where YYYYYYYYYYYYYYYY is your mobile number you are using to send SMS messages to GSMswitch to configure the device. Note add the country code and omit the leading zero of your mobile number E.g. `1243 NR1:44070712345678`
 - Extra supervisors** (up to 5 max) - change NR1 to NR2, NR3....NR5 and repeat the same procedure as shown above - you can add multiple supervisors in one SMS as shown in the example below:
eg `1234 NR1:44070712345678 NR2:44078088765432`
Note: You will receive a confirmation SMS back from the GSMswitch to confirm acceptance.

To check supervisors numbers: Send `XXXX_HELPNR` - you will receive a SMS with details of NR1 etc..

To delete supervisors numbers: Send `XXXX_NR1_DEL` (change to NR2, NR3 etc as required)

Note: When the PIR is armed and triggered in will send the Alert SMS to the supervisors in the order they are placed. (i.e. NR1 -1st SMS & Call then if they don't answer NR2 then NR3 etc..)

- 3. Time & Date Setting:** Important to set these so the S-PIR can send reports at specified times if you require. Send the following SMS to the system: `XXXX_MMMM.mn.dd_hh:mi` where MMMM means year, mn-month, dd-day, hh-hour, mi-minutes eg. `1234 2010.11.10 10:30` = 10th Oct 2010, 10.30am (password is 1234).

By default, a **status SMS message** will be sent daily at 11am to supervisor NR1. This message gives signal strength, zone status and at the same time is a useful check system is operating. These parameters can be configured to different time and period settings or disabled completely by sending SMS: `XXXX_INFO:00.00` Whilst any user can change these settings only NR1 will receive the status SMS.

You can now arm the S-PIR just by calling the number of the SIM card in the S-PIR and let the S-PIR unit end the call (free call) - You now have 15 seconds to leave the secure area - The S-PIR's LED will flash to show you it is arming. The LED will then extinguish. You (NR1) will then receive an SMS to inform you that the unit is armed. To disarm just call the S-PIR again - wait for the S-PIR to end the call (free) and then the area is disarmed - again you (NR1) will receive a confirmation SMS.

When unit is armed and motion is detected, system will send the SMS Alarm message to NR1. If SMS cannot be delivered, NR2 will be texted and so on. If you prefer for all recipients to be informed jointly, this can be programmed (see other commands). After SMS delivery, the unit will then ring recipients in set order until a user picks up. If users answer, remote microphone switches on and user can listen to activity at his site. Do remember if call diverts or voice mail is switch on at recipient's mobile, this will cut in if you don't answer and your mobile will record microphone activity until voice mail stops (length of this recording will vary according to your phone's voice mail settings but do note, this activity will use credit from the unit's SIM card). This callback feature can be disabled if required (see other commands).

Troubleshooting

Lens LED Indication	Possible issue
LED is off	Check power supply
LED blinking once per second	SIM card not inserted/not registered, SIM PIN not disabled,
No SMS being sent	No credit on SIM card, No network, Wrong user number.
Receive SMS "Incorrect Format"	Check command syntax (above), check extra spaces entered.

For any further help please email: support@sendtech.co.uk or call +44(0)1628 638557.

Other commands: where XXXX is your password

- XXXX_INFO - S-PIR will send you a SMS with signal strength & if the alarm has been activated.
- XXXX_STATUS - S-PIR will send you a SMS with current zone name & if the unit is armed (ON or OFF)
- XXXX_Z1:NewZoneName - Change the SMS Alert Message to reflect the S-PIR's location eg. 1234 Z1:Garage
- XXXX_INOUT:SSO - Exit time delay change - eg. 1234 INOUT:30 - Exit delay is 30 seconds (Default in 12 seconds)
- XXXX_CALLBACK:ON or XXXX_CALLBACK:OFF - Enable/Disable call back to listen in feature after alert SMS. (Default ON)
- XXXX_SMSALL:ON or XXXX_SMSALL:OFF - Send Alarm SMS message to all NR users (Default is OFF)
- XXXX_M:ON or X XXXX_M:OFF - Main power fail SMS alert ON or OFF - (Default in ON)
- XXXX_MIC - S-PIR will call you back so you can listen in remotely to secure location.

Installation advice:

Position the S-PIR indoors away from direct sunlight and not facing windows. You should also avoid areas where rapid heat changes take place - above heaters, fireplaces etc. Also ensure there is good GSM network coverage in the location and the S-PIR is not shielded by metal surfaces. The S-PIR sensing range is approx. 10m with a 90deg lens spread. When disarmed the Red LED will indicate through the lens to show movement detection. This feature can help with S-PIR positioning.

Safety instructions

Please read and follow these safety guidelines in order to maintain safety of operators and people around:



Warning:
If in any doubt wiring this product you should consult a qualified electrician.

- GSMSwitch has radio transceiver operating in GSM900 and GSM1800 bands.
- Don't use the system where it can be interfere with other devices and cause any potential danger.
- Don't use the system with medical devices.
- Don't use the system in hazardous environment.
- Don't expose the system to high humidity, chemical environment or mechanical impacts.
- Don't attempt to personally repair the system. Any system repairs must be done only by qualified, safety aware trained personnel.
- The system must be powered by power supply source should not exceed 15VA power supply which must be approved by LST EN60950-1 standard
- Any additional device connected to the GSMSwitch relay output must be powered up by a LST EN60950-1 approved supply.
- External power supply can be connected to AC mains only inside installation room with automatic 2-pole circuit breaker capable of disconnecting circuit in the event of short circuit or over-current condition. MCB breaker must have a gap between connections of more than 3mm
- Mains power must be disconnected before any installation work starts. The system installation or maintenance must not be done during stormy conditions.
- Electrical socket from which the system is powered must be in an easily accessible place.
- The system must be used only with approved back-up battery to avoid fire or explosion hazards. Special care must be taken connecting positive and negative battery terminals.
- Electrical socket from which the system is powered must be in an easily accessible place.
- The device is powered by a backup battery. The device is switched off by unplugging external electrical power supply and disconnecting battery connector which is accessed by opening device frame cover.
- WARNING: in order to avoid fire or explosion hazards the system must be used only with approved back-up battery. Special care must be taken when connecting positive and negative battery terminals



The WEEE (Waste Electrical and Electronic Equipment) marking on this product (see left) or its documentation indicates that the product must not be disposed of together with household waste. To prevent possible harm to human health and/or the environment, the product must be disposed on in an approved and environmentally safe recycling process.

For further information on how to dispose of this product correctly, contact the system supplier, or the local authority responsible for waste disposal in your area.



Manufacturer declares that this GSM Alarm System S-PIR is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Limited Liability:

The buyer must agree that the system will reduce the risk of fire, theft, burglary or other dangers but does not guarantee against such events.

SeNd Technology Ltd will not take any responsibility regarding personal, property or revenue loss while using the system.

SeNd Technology Ltd responsibility according to local laws does not exceed value of the purchased system.

SeNd Technology Ltd is not affiliated with GSM operators providing cellular services therefore is not responsible for the quality of cellular services.

For any further help please email:
support@sendtech.co.uk or call +44(0)1628 638557.