



JABLOTRON



# THE JA-60 WIRELESS SYSTEM BRIEF PRODUCT CATALOGUE

## RC-22 Remote Control



The RC-22 is a large-size wireless remote controller used in JA-6x systems. It can especially be used as a panic or emergency button. It is designed for walls or under-desk mounting. It can also be used as a wireless switch with UC-2xx receivers. An LED indicator confirms button pressing.

Power	6 V battery (L1016)
Battery life time	typical 1 year
Working range	max. 100 m (open area)
Dimensions	80 x 80 x 15 mm

## RC-42, RC-44 Remote Control



The RC-44 remote control combines two pairs of buttons. It can be used to operate multiple wireless Jablotron devices. For example one RC-44 can control a house alarm, gate and garage door or two independent partitions in the house alarm or up to 6 different devices when used with Jablotron UC receivers.

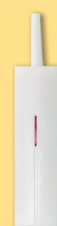
For easy operation the RC-44 has its buttons marked by symbols of the lock (🔒) and by open - close "semaphore" (🚦). The RC-42 is the same remote control as the RC-44 except that it is built into the housing with only two buttons (🔒, 🚦), which have identical functions to the left pair of RC-44 buttons.

The RC-44 has a unique optional "keypad locking" feature to prevent accidental activation or its unauthorized use.

By simultaneous pressing of both buttons in the pair the panic signal will be sent to the control unit.

Power	alkaline battery L1016 6V
Battery life time	typical 1 year
Working range with JA-6x	30 m (open area)
Dimensions	52 x 18 x 12 mm

## RC-60 Remote Control



The RC-60 is used to arm and disarm JA-6x wireless control panels. It can be connected to an external controller, such as an access system, card or chip reader, electrical lock etc. It provides tamper protection for the external device. Two inputs can be used in different modes.

In the first mode one input is used for arming and the other one for disarming.

In the second mode connecting the A input to the GND triggers the ARM signal and disconnecting it from the GND triggers the DISARM signal. Temporary or permanent connection of the B input to GND causes PANIC signal transmission.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
External inputs	2 (EOL or NC contacts)
Indication LED	testing & low battery
Operating frequency	433 MHz
Working range	max. 100 m (open range)
Complies with	EN 50131-1 grade 2
Dimensions	110 x 30 x 27 mm + antenna 40 mm

## RC-28 Wireless Door Bell Button



The RC-28 remote control is a single channel transmitter that is used especially with the UC-260 acoustic indicator as a wireless doorbell button. It can also be used with other UC-2xx receivers.

Power	6 V battery (L1016)
Battery life time	typical 1 year
Operating frequency	433 MHz
Working range	max. 50 m (open area)
Dimensions	80 x 28 x 15 mm

## SP-01 Loud Intercom



SP-01 is designed to be connected to the simulated telephone line connector on the JA-60GSM communicator. Loud Intercom allows to talk and to listen to the monitored premises in the case of alarm or other event (fire, panic and others).

## PC-60B Computer Interface



The PC-60B allows a computer to be connected to JA-63Kxx PROFi and JA-65Kxx MAESTRO control panel. Using the ComLink software, you can supervise the system, download the event's log, setup the system, view RF signal etc.

PC connection	USB port
Operating system	MS Windows
Cable length	2.0 m

## AN-01A Wire Antenna



The AN-01 wire antenna is designed to be used with Jablotron radio products with operating frequency of 430 - 450 MHz.

Frequency	430 - 450 MHz
Installation	vertical
Cable length	1.6 m
Operating temperature	-10 °C to +40 °C

## JA-60U Remote Access Modem



The JA-60U modem connects a personal computer remotely to the system via a telephone line. The provided ComLink software allows you to supervise the system, to read data from the control panel's memory, to setup the system etc.

Power	230 V AC - 12 V DC adapter (max. 1.5 W)
Communication protocol	Jablotron's encrypted
Operating system	MS Windows
PC connection	COM serial port
Dimensions	130 x 95 x 26 mm

## AN-03 Outdoor Antenna



The AN-03 antenna is designed to be used with Jablotron radio products with operating frequency of 430 - 450 MHz. It is suitable for outdoor use.

Frequency	430 - 450 MHz
Installation	vertical
Cable length	3 m
Operating temperature	-40 °C to +70 °C

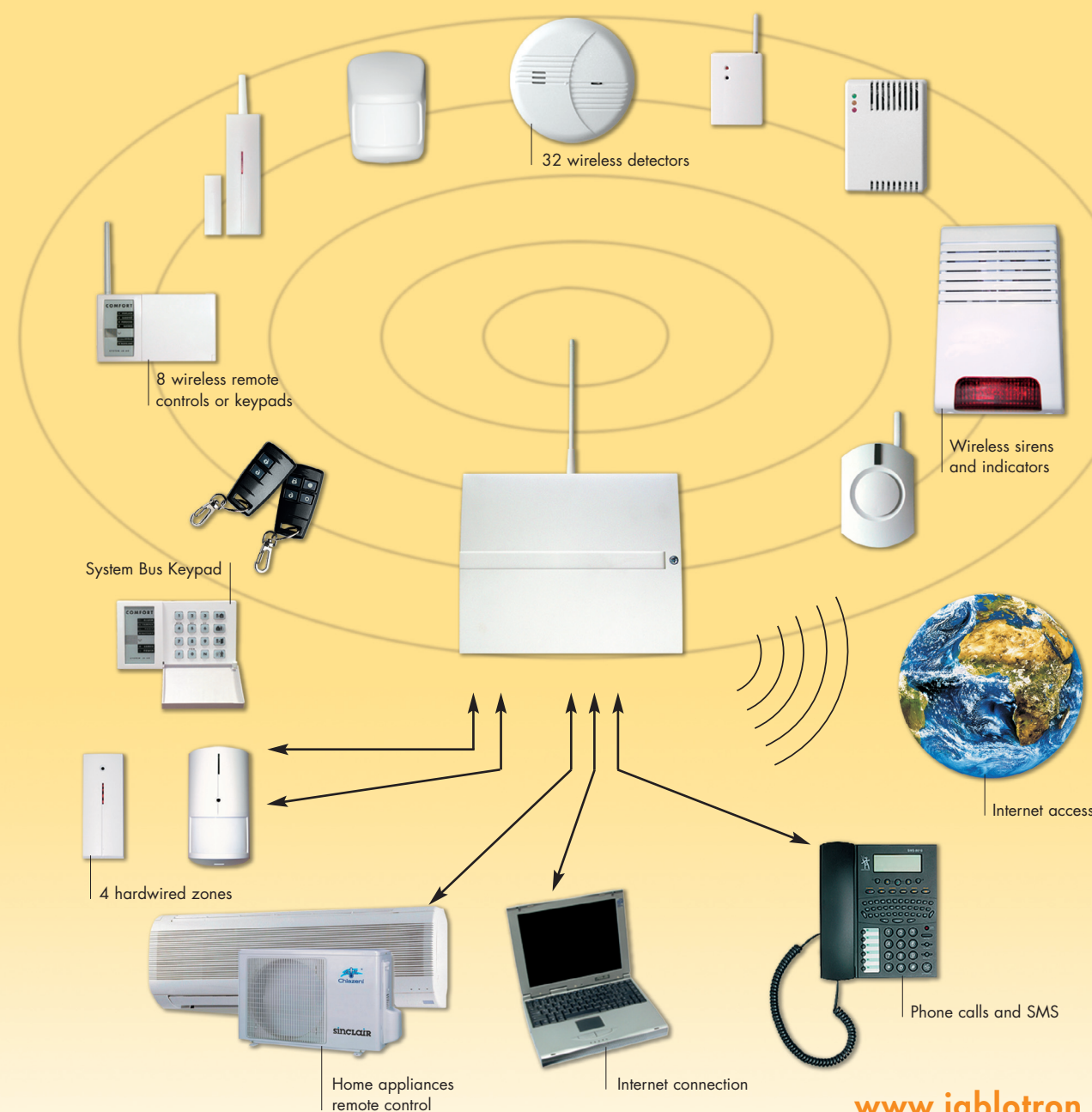
## GSM Link A web page for remote access to the JA-60GSM

[www.GSMlink.cz](http://www.GSMlink.cz) is an internet web page for remote access to the JA-60GSM communicator or other Jablotron GSM products. Access to GSM link is protected by a password and by a unique registration code for the device.

GSM link provides the installer with a comfortable tool to monitor and setup the system in a graphical, user-friendly environment. A user can control, check the status of the system and set parameters that can be changed in user mode.

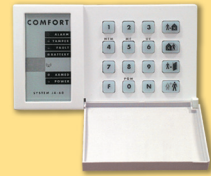
Data between GSM link and the device is transferred via SMS messages or better still, if it is supported by the SIM card in the device, via GSM/GPRS.

## GSM Building Alarm JA-63KRG PROFi



[www.jablotron.com](http://www.jablotron.com)

**JA-60E**  
System Bus Keypad



The JA-60E is a bus system keypad for Jablotron JA-6x control panels. It is connected to the control panel by a 4-wire cable. Multiple keypads can be connected to a single control panel. The keypad has a built-in tamper sensor and it also checks the number of attempts to enter an access code. The alarm system's status is indicated by the LED indicators, the built-in display and built-in buzzer. The backlit keypad can be used to operate and to program the system. The JA-60E can be used together with the JA-60U modem to remotely operate the control panel.

Power supply	12 V DC (from the bus line)
Power consumption	typ. 40 mA
Codes	master & 14 user codes, service code
Connecting cable	4-core cable, max. 100 m
Complies with	EN 50131-1 grade 2
Dimensions	140 x 80 x 26 mm

**JA-60F**  
Wireless Keypad



The JA-60F is an optional wireless keypad for JA-6x wireless control panels. It can operate the system in exactly the same way as the built-in keypad on the control panel or the JA-60E hardwired bus system keypad. The LED indicators, display and built-in buzzer indicate the alarm system's status. Multiple keypads can be used with a control panel. The keypad has a built-in tamper sensor and it also checks the number of attempts to enter an access code. The keypad performs regular auto testing and reports its conditions regularly to the system for full supervision. Being wireless, it can help an installer to monitor the system functions when performing a "walk" test. For longer working range an optional external antenna, AN-01, can be used.

Power	4x 1.5 V AAA batteries or 12 V DC power adaptor (optional)
Battery life time	typical 1 year
Codes	master & 14 user codes, service code
Radio communication	bidirectional, digital hopping code
Operating frequency	433 MHz
Working range	max. 50 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	140 x 80 x 26 mm + antenna 80 mm

**UC-222**  
Universal Receiver



The UC-222 wireless controller is powered by 230 V AC. Its output relay contact operates at 230 V AC, as well. Up to 30 remote controls, wireless detectors or keypads can be enrolled to the unit. There are four different operating modes available for each remote control. The controller can be used for automatic lighting control, remote operating of electric appliances, access control etc.

When used in conjunction with a JA-6x wireless control panel, the output relays of the UC-222 unit can copy signals from the control panel's outputs. The UC-222 can also receive signals directly from RC-xx controllers and JA-60 detectors for various applications.

Power	230 V AC (110 V AC optional)
Power consumption	max. 1.5 W
Operating frequency	433 MHz
Operating range	100 m (30 m for RC-11)
Peripherals	30 remote controls or wireless detectors
Output relay	max. 6.3 A/250 V
Modes	short pulse (3 sec), long pulse (2 min), latch, ON/OFF
Dimensions	100 x 73 x 25 mm + antenna 86 mm

**JA-60P**  
Wireless P.I.R. Detector



The JA-60P is an intruder detector designed to detect human body movement in a protected area. Digital processing insures a high immunity to false alarms and outstanding stability. The JA-60P uses a sophisticated radio communication protocol with a high level of data safety. The detector performs regular auto testing and reports its condition regularly to the system for full supervision. Built-in tamper sensors protect against opening or removal from its location.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Detection method	dual PIR with digital processing
Coverage	12 m, 120°
Optional lenses	corridor, horizontal and vertical curtain
LED indication	testing & low battery
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	70 x 90 x 65 mm

**JA-60N**  
Wireless Magnetic Door Contact



The JA-60N magnetic door detector is equipped with a magnet. Movement of the magnet triggers the internal sensor in the detector. It can trigger an instant or delayed intruder alarm and it also has built-in tamper sensors. Special inputs for external sensors are available. The JA-60N uses a sophisticated radio communication protocol with a high level of data safety. The detector makes regular auto testing and reports its condition regularly to the system for full supervision.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Detection method	magnetic reed sensor
External sensor inputs	input & tamper (EOL)
LED indication	testing & low battery
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	110 x 30 x 27 mm + antenna 40 mm

**JA-60B**  
Wireless Glass Break Detector



The JA-60B is an acoustic glass break detector that provides easy and reliable protection against robbery. It ensures extremely high reliability and false alarm immunity. One sensor covers an entire room, regardless of the number of windows. A dual technology detection method (air pressure and sound analysis) is combined with digital processing to guarantee high sensitivity to the breaking of glass. The detector is also protected against tampering. The detector is regularly supervised. The JA-60B can be tested with GBT-212 simulator.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Built in sensor	dual technology acoustic sensor
LED indication	testing & low battery
Working distance	max. 9 m
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	55 x 75 x 22 mm + antenna 40 mm

**JA-60A**  
Wireless Outdoor Siren



The JA-60A siren is designed for outdoor use. It is powered from its own AC adaptor and has a built-in back up battery. The siren communicates wirelessly with the JA-6x wireless control panel with two-way communication. It contains a high-powered siren and a strobe light. In addition to signaling alarms, it can also provide arming and disarming chirps. The siren performs regular self-testing and reports its condition regularly to the system for full supervision. Built-in tamper sensors trigger an alarm if there is any attempt to tamper with the siren. For longer range, an optional external antenna, AN-01A, can be used.

Power	230 V AC (110 V AC optional) – adaptor included
Back up battery	6 V, 1.3 Ah (included)
Battery life time	up to 5 years
Siren	piezoelectric, 118 dB
Siren timer	set by the control panel
Strobe light timer	60 minutes
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	230 x 158 x 75 mm

**UC-260 / UC-261**  
Acoustic Indicator



The UC-260 "plug-in" wireless acoustic indicator can be used as a high-power indoor alarm siren for the JA-6x system. It can also indicate entrance/exit delays. With the RC-28 or RC-22 buttons the indicator can also be used as a doorbell. Selectable "melody" sounds can be indicated, as well, when desired detectors of the alarm system are triggered. Up to 8 RC-xx remote controls or JA-60 detectors can be enrolled directly to the UC-260.

Jablotron offers also UC-261 wireless acoustic indicator (two way communication), which send an error report to the control panel in the case of disconnection from the power.

Power	230 V AC (110 V AC optional)
Power consumption	1.5 W
Siren mode	115 dB
Doorbell & Chime	8 melodies available
Compatible with	JA-6x control panels; RC-xx remote controls; JA-60 detectors
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Dimensions	90 x 65 x 45 mm + antenna 40 mm

**UC-216**  
Universal Receiver



The UC-216 is a three-channel receiver of coded signals. The status of the outputs is indicated on the front panel. The UC-216 can be used to control alarm and access systems, to trigger a panic alarm, etc. There are 4 different operating modes available for each remote control. A digital hopping code ensures high security. When used in conjunction with a JA-6x wireless control panel, the output relays of the UC-216 unit can copy signals from the control panel's outputs. The UC-216 can also receive signals directly from RC-xx controllers and JA-60 detectors for various applications.

Operating voltage	12 - 24 V DC or 15 V AC
Power consumption	stand-by 10 mA
Operating frequency	433 MHz
Operating range	100 m (30 m for RC-11)
Output relays	max. 120 V/1 A
Output transistor	max. 40 V/0.2 A
Modes	short pulse (3 sec), latch, ON/OFF, garage door mode
Complies with	EN 50131-1 grade 2
Dimensions	100 x 73 x 25 mm + antenna 86 mm

**JA-60V**  
Wireless Outdoor PIR Motion Detector



The JA-60V is an outdoor intruder detector designed to detect human body movement in an open area. Used PIR detector produced by Optex (Optex VX 402R) has two double-layered detection patterns (upper and lower) both have to be activated to trigger the alarm. This reduces false alarms, particularly those caused by temperature changes, light reflection or small animals. A tamper triggers an alarm if there is any attempt to open the detector. The built-in transmitter is compatible with all JA-6X control panels.

Power	3 V – 2x 1.5 V AAA batteries
Battery life time	about 1 year
Working frequency	433.92 MHz
Coverage	max. 12 m/90°
Working range	max. 100 m (open area)
Complies with	EN 50131-1, class II
Waterproof	IP 54
Humidity	95 %
Dimensions	198 x 80 x 108 mm

**JA-60SR / JA-60SP**  
Wireless Smoke Detector



A smoke detector recognizes smoke and wirelessly transmits this information to a control panel. It also has a built-in siren to warn people in the immediate vicinity. Functioning of the detector can be checked anytime by pressing the test button. Testing can also be easily activated using a standard audio/video infrared remote control. The detector is monitored regularly.

Ionic detectors are not suitable for places with a high concentration of a steam. Optical detectors on the other hand should not be used in a dusty environment.

Power	2x 1.5 V AA batteries
Battery lifetime	typical 1 year
Detection method	ionic (max. 4 kBq)/optical chamber
Covered space	50 m³
Built in siren loudness	94 dB/m
LED indication	self-testing every 60 sec
Operating frequency	433 MHz
Working range	max. 100 m (open area)
Dimensions	∅ 120 x 40 mm

**JA-60G**  
Wireless Gas Leak Detector



The JA-60G reacts to combustible gases (natural gas, city gas, propane, butane, methane, hydrogen etc.) by signaling a fire alarm. It also has a built-in buzzer to warn people in the immediate vicinity and an output relay to control an electrical valve if installed in a gas supply inlet.

The detector is regularly supervised.

Power	230 V AC (optional 110 V AC)
Detection method	hot fiber sensor
Relay output	over switching contact max. 230 V/5 A
Sensitivity	two levels (10 and 20% of LEL)
Built in buzzer	94 dB/0.3 m
Area covered	50 m²
Operating frequency	433 MHz
Working range	max. 40 m (open area)
Dimensions	100 x 73 x 39 mm