



WisDom

Wireless Domestic Security System

Installation and Programming Manual

(Ver 1.2xx)

Chapter 1: Introducing WisDom

This chapter provides a basic introduction to the WisDom system ,its architecture and capabilities, as described in the following sections:

- ✦ **What is the WisDom?** below
- ✦ **WisDom Architecture and Capabilities**, page 1-2
- ✦ **WisDom Features**, page 1-3
- ✦ **Technical Specifications**, page 1-3

What is the WisDom?

The **WisDom** is a fully featured wireless security system, providing sophisticated solutions for alerting and reporting premises alarm signals.

The **WisDom** has been specifically designed to meet a wide range of security needs of homes, offices and small commercial applications.

The **WisDom** is simple and fast to install. It has a user friendly interface that enables easy installation, programming and use. In addition, the **WisDom** can also be programmed and/or controlled through local or remote Upload/Download software installed on a PC computer with a Windows operating system.

It has a built in siren and it is designed around microprocessor and EEPROM (Electrically Erasable Programmable Read-Only Memory) technology, which stores the system's operating program, as well as its programmable parameters, without dependency on external power sources.

The **WisDom** is available in two Radio Frequencies: 433.92 MHz and 868.65 MHz.

The **WisDom** main benefits are:

➤ **Installer Benefits:**

- ✦ Simple programming logic – fully menu driven
- ✦ Wireless calibration and adjustable threshold level, enables higher false alarm immunity.
- ✦ Actual transmitter signal strength and RF noise displayed on LCD, eliminating the need for an external strength meter.
- ✦ All detectors supervised for presence, low battery, jamming and tamper
- ✦ Supports all major central station reporting codes.

➤ **User Benefits:**

- ✦ Full voice guide enables simple remote phone operation
- ✦ Built in two-way voice communication to the premises.
- ✦ Local announcement and feedback of system status.
- ✦ Family message center.
- ✦ Dedicated buttons for simple emergency notification
- ✦ Quick key operation of users functions
- ✦ Full control of voice messages and system sounds.

WisDom Architecture and Capabilities

The following diagram provides an overview of the WisDom's architecture and capabilities. Examine this figure before beginning your WisDom installation to obtain an overall picture of the full extent of the WisDom system's capabilities.

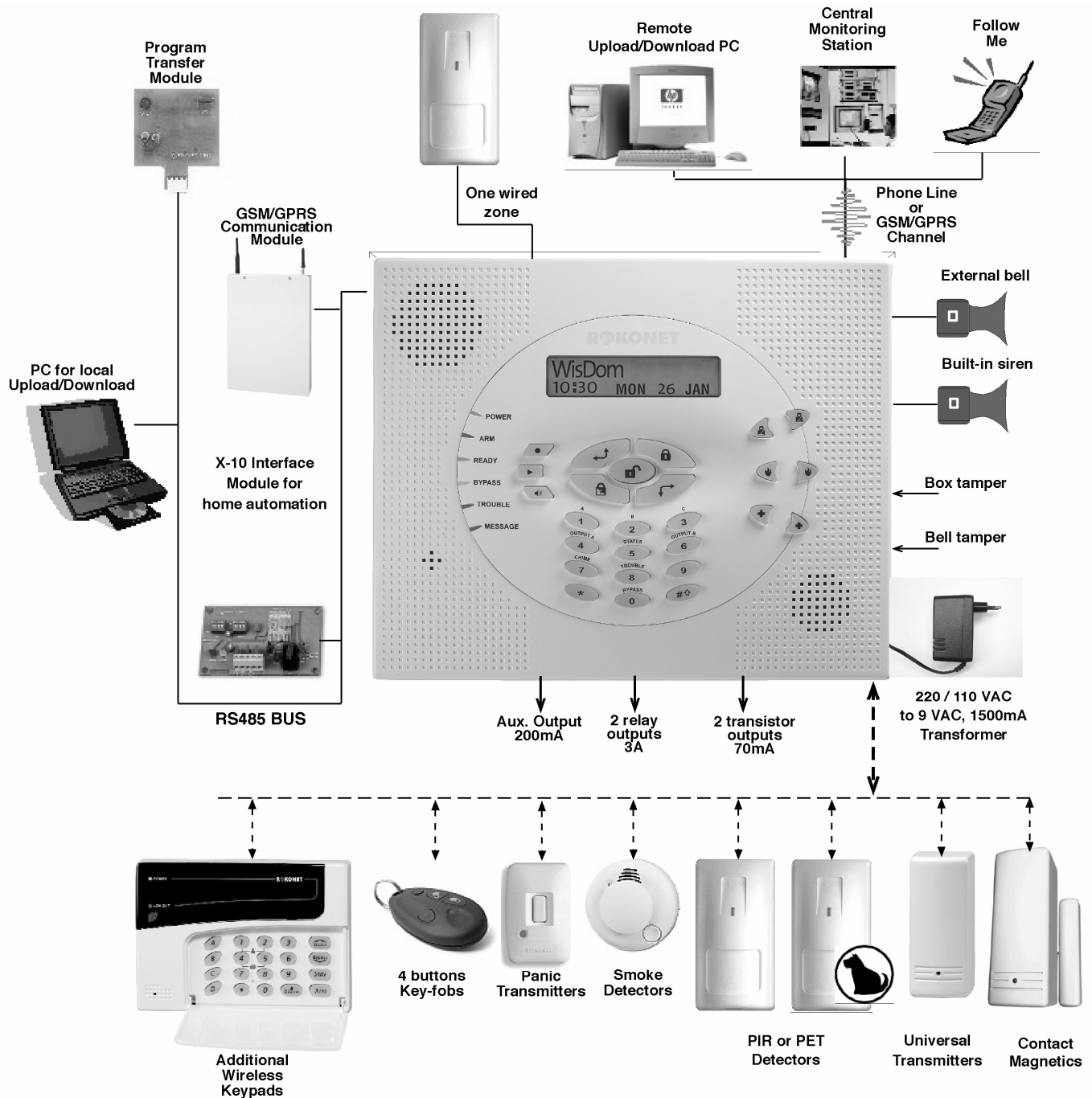


Figure 1-1: WisDom Architecture and Capabilities

WisDom Features

The following illustration describes the main features of the WisDom.

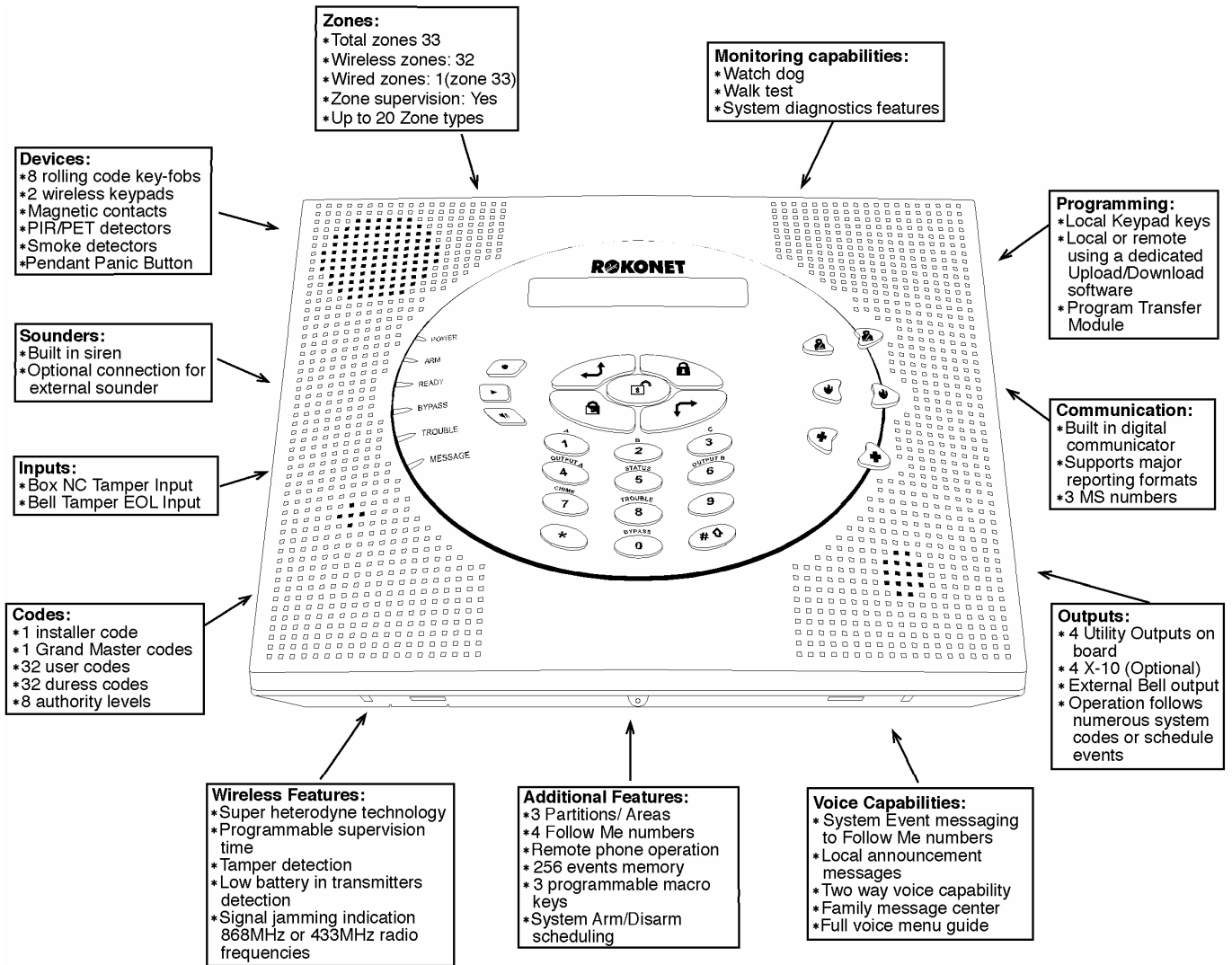


Figure 1-2: WisDom Features

Technical Specifications

The following technical specifications are applicable for the **WisDom**:

Electrical Characteristics	
System Power	220\110VAC, External Transformer 1500mA, 9VAC
Current Consumption (Minimum / Maximum)	140 mA minimum / 1200 mA maximum
Backup Battery	6 x 1.5VDC Size AA, Alkaline or 6 x 1.2V Size AA, rechargeable cells
Relay Outputs	2 x 3 Amps 24 VDC programmable relay outputs
Transistor Outputs	2 x 70mA transistors (Open Collector)
Auxiliary Power	9V DC @ 200 mA maximum
Bell/LS(External) Sounder Output	9V DC @ 500mA maximum
Internal Bell intensity	90 dBA @ 1m
Operating Temperature	0°C to 55°C (32°F to 131°F)
Physical Characteristics	
Dimension	24 cm x 19 cm x 4.8 cm
Weight (with batteries)	0.970 Kg
Wireless Characteristics	
RF immunity	According to EN 50130-4
Frequency	RWSAL0868xxA: Basic configuration, 868.65 MHz RWSALV868xxA: Full configuration including voice, 868.65 MHz RWSAL0433xxA: Basic configuration, 433.92 MHz RWSALV433xxA: Full configuration including voice, 433.92 MHz Note: xx represents the system's language or country.

NOTES

CE Declaration Of Conformity

Hereby, Rokonet Electronics Ltd, declares that these control panels (RWSAL0868xxA*, RWSALV868xxA*,), with wired accessories (including cables) and wireless accessories, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC

*: xx represents a country or customer code

Telephone Connection (Ref.: FCC Part 68)

- 1 This equipment complies with Part 68 of the FCC Rules and the requirements adopted by the ACTA. On the bottom panel of this equipment is a label, that contains among other information, a product identifier in the format US:RISAL10BRWSALX433. If requested, this number must be provided to the telephone company.
- 2 This equipment is designed to be connected to the telephone network using a terminal block, RJ31X or RJ 11. See Installation Instructions for details.
- 3 A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.
- 4 The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN of this alarm system is part of the product identifier that has the format US:RISAL10BRWSALX433.
- 5 If this equipment US:RISAL10BRWSALX433 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
- 6 The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
- 7 If trouble is experienced with this equipment US:RISAL10BRWSALX433, for repair or warranty information please contact Rokonet Industries USA Inc 2822 NW 79th Ave. Miami, Florida 33122 USA, phone number 305 592 3820, URL: sales@rokonetusa.com. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
- 8 Connection to party line service is subjected to state tariffs. Contact the state public utility commission, public service commission or corporation for information.

- 9 If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment US:RISAL10BRWSALX433 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or qualified installer.



Caution:

To ensure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test.



Note:

Equipment must be installed according to the manufacturer instructions in order for the alarm dialing equipment to work properly when other equipment connected to the same line is in use. .



Caution:

Verification of the Line Seize capability should be made immediately after installation, and periodically thereafter, in order to ensure that this equipment can initiate a call even when other equipment (telephone, answering machine, computer modem, etc.) connected to the same line in use.

Supplier Declaration Of Conformity (SdoC)

12 March 2008

Rokonet Electronics Ltd., Located at 14 Hahoma Street, Rishon Lezion, Israel,
Hereby declare that the control panel, brand name WisDom,
p/n RWSAL0433USA, RWSALV433USA, bearing labeling identification number
US:RISAL10BRWSALX433 complies with the Federal Communications commission's
("FCC") rules and regulations 47 CFR part 68, and the Administrative Council on Terminal
Attachments ("ACTA") adopted technical criteria: TIA-968-A-1 TIA-968-A-2 and
TIA-968-A-3 Telecommunications – Telephone Terminal Equipment – Technical
Requirements for Connection of Terminal Equipment To the Telephone Network, March
2004.

David Kartoun
Chief Technical Officer
Risco Ltd.

FCC & IC notes

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1 Reorient or relocate the receiving antenna.
- 2 Increase the separation between the equipment and the receiver.
- 3 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4 Consult the dealer or an experienced Radio/TV technician for help.

CHANGES OR MODIFICATIONS (Ref.: FCC Part 15, Para. 15.21 and 15.27)

Changes or modifications to this unit not expressly approved by Risco Ltd., could void the user's authority to operate the equipment.

FCC ID: JE4RWSAL433

IC: 6564-RWSAL433

FCC Declaration of Conformity

We, the undersigned,

Company: Rokonet Industries U.S.A Inc.

Address: NW 79 Ave 2822, Miami, Florida 33122-1033,

Country: USA

Telephone number: 305 592 3820

Fax number: 305 592 3825

are the Responsible Party for this Declaration, certify and declare under our sole responsibility that the following equipment.

Brand	Type	Product description
Wisdom	RWSALV433USA RWSAL0433USA	Wireless alarm control panel (with or without voice module)

Complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Drawn up in: Miami , FL

On: 4/12/06

Rokonet Industries USA
2822 NW 79th Ave
Miami, FL 33122



Rokonet Limited Warranty

Rokonet Electronics, Ltd. and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 12 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Seller's obligation and liability under this warranty is expressly limited to repairing and replacing, at Seller's option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose.

In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.

Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay.

Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any person; injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of burglary, robbery or fire without warning, but is not insurance or a guaranty that such will not occur or that there will be no personal injury or property loss as a result.

Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising from under this limited warranty or otherwise, regardless of cause or origin, seller's maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller.

No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

WARNING: This product should be tested at least once a week.

Contacting Rokonet

Rokonet Electronics Ltd. is committed to customer service and product support. You can contact us through our website (www.rokonet.com) or at the following telephone and fax numbers:

USA

Tel: (305) 592-3820
Fax: (305) 592-3825

United Kingdom

Tel: +44 (161) 655-5500
Fax: +44 (161) 655-5501

Italy

Tel: +39 (02) 392-5354
Fax: +39 (02) 392-5131

Spain

Tel: + 34 91 490-2133
Fax: +34 91 490-2134

Brazil

Tel: +55 (11) 3661-8767
Fax: +55 (11) 3661-7783

Israel

Tel: +972 (3) 9637777
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