

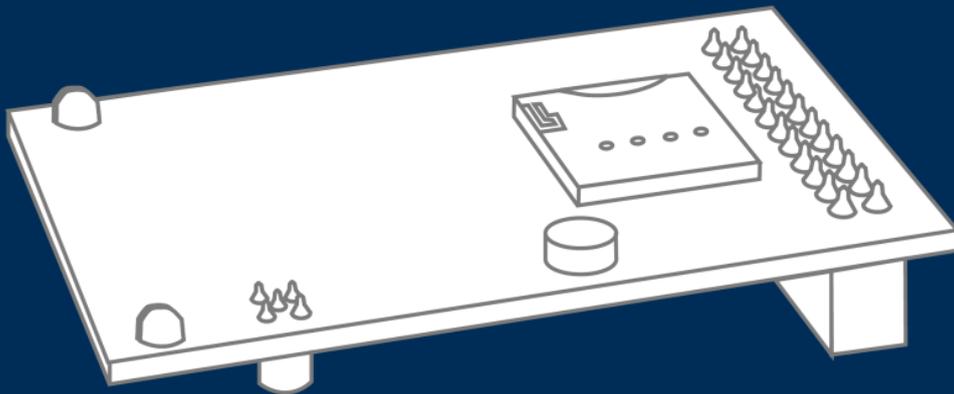


Security Tech Germany

ESM060000

INSTALLER MANUAL

Secoris Mobile Wireless Module + Speech



abus.com

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1. General

Thank you for choosing the **Secoris Mobile Wireless Module + Speech**, a product from ABUS Security Center (also known as "ABUS" for short).

This manual contains important descriptions, technical data, overviews and further information on project planning, start-up and operation of the **Secoris Mobile Wireless Module + Speech** in conjunction with the Secoris intruder alarm system.

The products/systems described here may only be installed and maintained by persons who are qualified for the respective task. Qualified personnel for the installation and maintenance of the system are usually trained ABUS specialist partners.

1.1. Intended use / Legal information

The responsibility for the legally compliant use of the product lies with the purchaser or customer and the end user. In accordance with the manufacturer's liability for its products as defined in the Product Liability Act, the above information must be observed and passed on to operators and users. Non-compliance releases ABUS Security Center from legal liability.

Use that is not agreed or not usual, as well as repair work or modifications not expressly authorised by ABUS and improper servicing can lead to malfunctions and must be avoided. Any modifications not expressly authorised by ABUS will result in the loss of liability, warranty and separately agreed guarantee claims.

Architects, technical building planners (technical building services) and other consulting institutions are required to obtain all necessary product information from ABUS in order to fulfil the information and instruction obligations in accordance with the Product Liability Act. Specialist dealers and installers are required to observe the information in the ABUS documentation and to pass it on to their customers if necessary.

Further information can be found at www.abus.com on the general page, or for dealers and installers in the partner portal at www.partner-asc.abus.com

1.2. Customer service / Customer support

Specialist dealer / installer

In case of questions, please contact the appropriate support hotline.

End consumer

If you have any questions, please contact your specialist dealer or installer. You can find a list of all ABUS specialist partners in your region here: <https://www.abus.com/ger/Haendlersuche>

First select "Alarm systems" under "FILTER DEALERS". Then enter the desired postcode or city near you in the search field under "POSTCODE OR CITY". Confirm the search by selecting a location suggestion, by clicking on the arrow on the right in the search field or by pressing the Enter key.

A trained ABUS specialist partner in your area will be happy to advise you.

General information on the **Secoris Mobile Wireless Module + Speech** can be found on our homepage at: <https://abus.com/products/ESM060000>

1.3. Edition notice

1st Edition English 09/2023

With the publication of new installation instructions, this edition loses its validity.

All rights reserved. No part of these installation instructions may be reproduced in any form or duplicated or processed using electronic, mechanical or chemical processes without the written consent of the publisher.

ABUS Security Center accepts no liability for technical or typographical errors and their consequences. The information in

these installation instructions has been compiled to the best of our knowledge and belief, taking into account the current state of the art. It is regularly reviewed and updated or corrected as necessary.

All trademarks and industrial property rights are recognised. Changes in the sense of technical progress can be made without prior notice.

1.4. Explanation of symbols

The following symbols are used in these installation instructions:

Symbol	Signal word	Meaning
	Caution	Indicates a risk of injury or health hazards caused by electrical voltage
	Important	Indicates possible damage to the device/accessories or a risk of injury or health hazards
	Note	Indicates important information
	Danger	Indicates a risk of injury or health hazards

1.5. Packaging

 Danger	Keep packaging material and small parts away from children. There is a risk of suffocation. Remove all packaging material before using the device.
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2. Functional principle and features

2.1. Product features

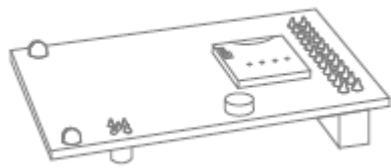
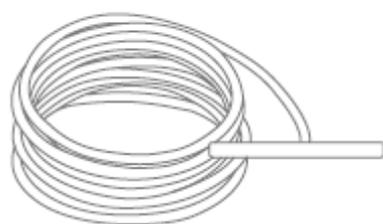
The **Secoris Mobile Wireless Module + Speech** offers a continuous connection to the Abus Cloud portal via mobile networks (4G with fallback to 3G/2G) and is therefore ideal for temporary installations or locations without a direct Internet connection. The module is also suitable for control centre communication (FastFormat, CID, SIA), voice (GSM or VoLTE) and text message. In addition, personalised voice messages can be sent to recipients using the voice dialling function. The module is compatible with the Secoris alarm panel (ESEZ60500/ESEZ70500). This product must be installed and maintained by qualified service personnel.

 Important	At least software version 2.01.00 must be installed on the Secoris ESEZ60500 or ESEZ70500.
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Main features:

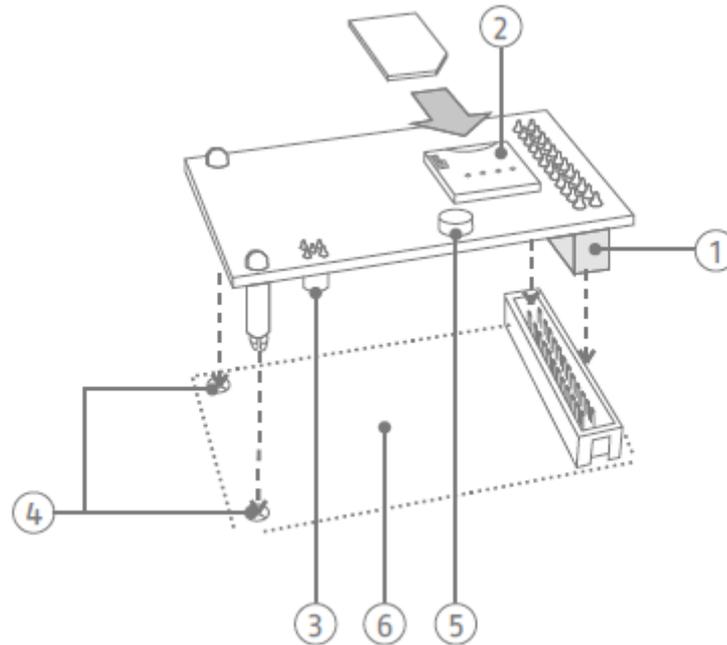
- Both 4G and also fallback for 3G/2G wireless networks
- Control centre communication (FastFormat, CID, SIA)
- Voice support (GSM or VoLTE)
- Supports notification via text message
- Built-in microphone

2.2. Scope of delivery

	
1 x ESMO 60000	4x plastic holder
	
1x ext. antenna (3 m)	1x Quick Guide

2.3. Device description

Product structure



1: Terminal block
2: SIM card slot
3: Antenna socket

4: Holes for plastic holder
5: Microphone
6: PCB of the alarm panel

2.4. Compatibility

The ESM060000 **Securis Mobile Wireless Module + Speech** is compatible with the following products

Alarm panels: Securis ESEZ60500 and ESEZ70500

2.5. Technical data

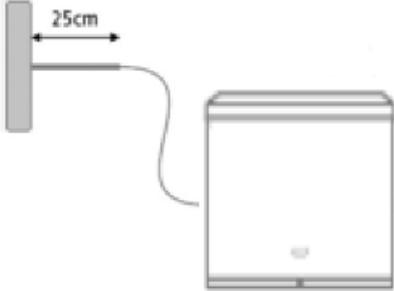
Product name	Mobile radio module with voice support
Article number	ESM060000
Dimensions (WxHxD)	63 x 12 x 40
Weight	20 g
Frequency range and max. radio output power	4G LTE: 2100MHz (B1), 1800MHz (B3), 2600MHz (B7), 900MHz (B8), 800MHz (B20), 700MHz (B28); 316mW 3G UMTS: 2100MHz (B1), 900MHz (B8); 316mW 2G GSM/GPRS/EDGE: 900MHz, 2W & 1800MHz, 1W
SIM card type	Micro SIM (3FF) 1.8V / 3.0V, 15mm x 12mm
Mobile network	SIM card and network provider that supports 4G, 3G and 2G
Environmental class	II
Operating temperature	-10 °C to +55 °C
Air humidity	Max. 93% (non-condensing)
Power supply	Via the motherboard of the alarm panel
Antenna cable length	Approx. 3 metres
Antenna connector	MMCX (on the cable) 50 Ohm
Antenna socket	MMCX (on the module) 50 Ohm
Standards for intrusion and panic button devices	EN 50131-10:2014; EN 50136-1:20212, EN 50136-2:2013
ATS category	SP2, EN 50136-2 (EN: ATS Class)

 Note	<ul style="list-style-type: none"> • Before starting installation, please check whether the selected service provider and the installation location of the alarm system, as well as the possible positions of the antenna, are suitable for GSM and LTE transmission. • We generally recommend the use of contract cards to ensure secure transmission. Prepaid cards have no function without sufficient credit • The external antenna must be installed outside of the alarm panel. It is used to improve reception when the GSM or LTE signal is poor. As the module already has an internal antenna, the external antenna is optional but its use is recommended. • Incorrect or unclean installation work may lead to erroneous interpretation of signals, the consequences of which may include false alarms. The operator is liable for any costs incurred for involving rescue services such as the fire brigade or police.
 Caution	<ul style="list-style-type: none"> • The alarm panel must be completely powered off to install the module. This also requires the (emergency power) battery to be disconnected. No liability is accepted for any damage caused in the event of non-observance. Failure to observe this also voids the warranty

3. Start-up & installation

3.1. Positioning the antenna

Before you start installing the mobile radio module, decide on a suitable position for the antenna. Note the cable length of the antenna (approx. 3m). The following points will enhance signal strength and must be considered:

 Note	<p>Position the antenna as high as possible. Position the antenna as far away from the alarm system as possible. Maintain a distance of at least one metre from metallic objects (steel reinforcements in the wall, lines, pipes, metal cabinets etc.). Make sure that at least 25 cm of the cable runs horizontally away from the antenna. (see illustration)</p>	
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3.2. Pre-test of the signal strength

There are two ways to test the signal strength in advance:

1. By temporarily installing the mobile radio module in the alarm system

For this, please follow the steps described for installing the module (see 3.3.1) in these instructions. However, make sure in advance that the inserted SIM card is not blocked by a PIN or that the PIN=0000.

2. By using a mobile phone

Make sure that the same provider is used for the test, or temporarily use the SIM card in the mobile phone that will ultimately be used in the mobile radio module. Hold the phone in the exact place in which you want to install the mobile communication antenna and check the signal strength.

Please note that the signal strength value on the mobile phone is usually displayed with 4 bars. The signal strength on the mobile radio module is displayed in numbers in the About menu of the alarm panel. The numbers range from 0 (very low) to 9 (very high). 1 bar corresponds to 2-3, 2 bars correspond to 4-5, 3 bars correspond to 6-7 and 4 bars correspond to 8-9.

 Note	<p>If you have found a position with good signal strength (at least 2 bars on the phone), ensure that the centre of the antenna is located within 2 cm of this point, because the mobile radio wavelength is very short and even small discrepancies can lead to a significant deterioration of the signal. This could significantly affect operation, in particular when the level is generally poor, and may prevent the registration of the module in the mobile network.</p>
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3.3. Start-up

Installing the mobile radio module

 Note	If the alarm panel is already in operation, put the panel into installation mode. This ensures that opening the housing will now not trigger a sabotage alarm.
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Open the alarm panel housing

De-energise the alarm panel. To do this, disconnect both the external power supply (230V connection) and the (emergency power) battery.

Lead the antenna cable from the outside through the cable openings in the back panel into the inside of the housing.

Attach the antenna outside the housing.

Connect the mobile antenna to the mobile radio module (see illustration)

Insert the SIM card into the card holder of the mobile radio module (see illustration)

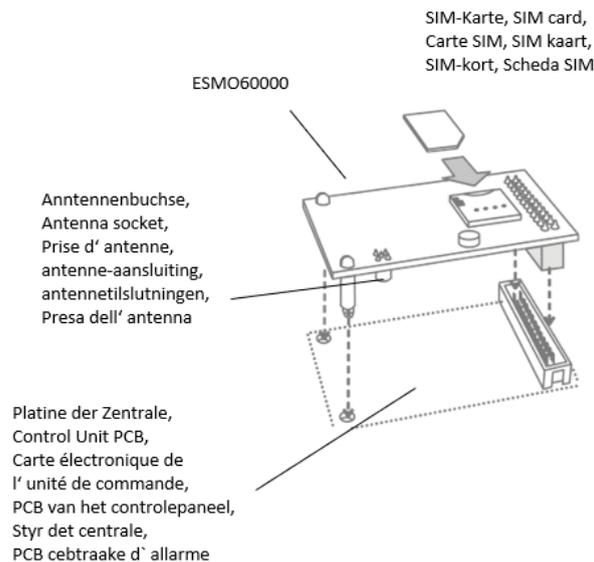
 The PIN of the SIM card must be deactivated or set to "0000".

Fit the mobile radio module with the plastic holders supplied. Now carefully place the mobile radio module on the plug connection of the motherboard and press it firmly into place. Ensure that the pins do not get bent. (see illustration)

Reconnect the (emergency power) battery and supply the alarm panel with mains voltage again.

Place the cover on the housing and tighten the locking screw.

Select the required settings on the alarm panel in the installation menu. Check that the mobile communication module is functioning correctly in the test menu of the alarm panel.



3.3.1. Start-up and programming

To complete the programming on the alarm panel, please refer to the installation and user instructions for the alarm panel. The options for programming the communication of the alarm systems can be found in the installer menu under "Communications".

 Note	Please note that the alarm panel will not display the setting options for the mobile radio module if it is not plugged in.
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When the mobile radio module has been recognised by the alarm panel, the display "Module:ESM060000" appears in the installer menu under the menu item "About" -> "Communications". There you will find information on the mobile network name with current signal strength, the IMEI, the SIM card number, the IMSI and the module version number.

The phone number of the SIM card is only displayed if your service provider has stored the phone number on the card.

 Note	If the signal strength is too weak, then the alarm panel should be installed in a different location or the supplied antenna should be installed so that there is optimum signal strength. Please find out about your service provider's network coverage in advance, and change providers if necessary.
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3.3.2. Testing for correct functioning using the alarm panel

To test the functionality of the mobile radio module, go to the "Test" item in the installer menu and select the menu items

3.3.3. Activate / register SIM card

 Note	Please note that the PIN function on your SIM card must be deactivated or the PIN must be set to "0000". This is done during earlier configuration of the SIM in your mobile phone.
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The initial activation/registration of your SIM card varies from provider to provider. Please adhere to the information provided to you by the provider. Once you have successfully activated/registered the SIM card, you can insert it into the mobile radio module and then install it.

 Note	The "About > Communications > Module:ESM060000 > Network" menu displays a range of information on registering the SIM card in the network. If problems occur, please check here first.
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3.3.4. Note on service providers

First and foremost, follow the provider's instructions for registering the SIM card. We recommend registering the card via a mobile phone before installation, as many providers work with text message replies during the registration process.

 Use the following table to note down the relevant data for your mobile radio module.

IMEI No. :	
Serial number of the SIM card:	
Mobile phone number:	

4. Warranty

- ABUS products are designed and manufactured with the greatest care and tested according to the applicable regulations.
- The warranty only covers defects caused by material or manufacturing errors at the time of sale. If there are demonstrable material or manufacturing errors, the module will be repaired or replaced at the guarantor's discretion.
- In these cases, the warranty ends with the expiry of the original warranty period of 2 years. Further claims are expressly excluded.
- ABUS will not be held liable for defects and damage caused by external influences (e.g. transport, use of force, operating errors), inappropriate use, normal wear and tear, or failure to observe the instructions in this manual.
- When asserting a warranty claim, the original proof of purchase with the date of purchase and a brief written description of the defect must be enclosed with the product subject to complaint.
- Should you discover a defect on your detector that was already present at the time of purchase, please contact your dealer directly within the first two years.

5. Disposal instructions



Dispose of the device in accordance with EU Directive 2012/19/EU – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please contact the municipal authority responsible for disposal. Information on collection points for waste equipment can be obtained from your local authority, from local waste disposal companies or your retailer, for example.

Disposal of batteries

Only return lithium batteries and battery packs to the collection points when they are discharged! Please take precautions against short circuits (e.g. by insulating the poles with adhesive tape).

6. Conformity

EU Declaration of Conformity

Hereby, ABUS Security Center GmbH & Co. KG declares that the radio equipment type of the ESM060000 is in compliance with Directive 2014/53/EU and Directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following Internet address: abus.com > Article search > ESM060000 > Downloads.

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