

**ABUS****ABUS WIRELESS ALARM SYSTEM****OPERATING INSTRUCTIONS**

These operating instructions are an important product accessory. They contain important installation and operation information. Bear this in mind if you pass the product on to others.

Store these instructions in a safe place for future reference.



## ABUS WIRELESS ALARM SYSTEM

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## **SECURITY NOTES**

**For damage caused by non-compliance with these operating instructions, no guarantee claims are possible. We cannot be held liable for resulting damage. In the case of material or personal damage caused by improper operation or non-compliance with the security notes, we cannot be held liable. All guarantee claims are invalid in such cases.**

The equipment should be installed and started up by a correspondingly qualified person to ensure the safe operation of this product. Equipment operated with mains electricity should be kept out of the reach of children. For this reason, be particularly careful when children are present.

This product should be checked at least every week.

Pay special attention to passages marked with NOTE or IMPORTANT in these instructions. These labels are for particularly important explanations or safety hints that must be observed.

In the event of questions, please contact your vendor. See also the accompanying DVD for useful operating instructions.

# CE DECLARATION

ABUS  
Group

security  
center

EG - KONFORMITÄTSERKLÄRUNG  
EC - DECLARATION OF CONFIRMITY



Wir / We

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Linker Kreuthweg 5  
86444 Mühlhausen (Germany)

erklären hiermit, dass das Produkt / herewith declares that the product

Typ / Type: **ABUS Funkalarmanlage**

auch benannt / also named: **RWABUV868xxA\*** (\*xx=country code)

Artikel-Nr. / Article No.: **FU9010**

konform ist mit den Anforderungen und einschlägigen Bestimmungen der

- **Richtlinie 1999/5/EC** des Europäischen Parlaments vom 9. März 1999. Das in Artikel 10 (4) genannte und im Anhang III der Richtlinie beschriebene Verfahren zur Bewertung der Konformität ist eingehalten worden.

complies with the requirements and the provisions of the

- **Directive 1999/5/EC** of the European Parliament and of the council of 9 march 1999 on Radio equipment and Telecommunications Terminal Equipment and the mutual recognition of their conformity and Annex III (Conformity Assessment procedure referred to in article 10 (4)).

Weiterhin erklären wir, dass Teile aus folgenden Normen und Standards zur Anwendung gelangten:

And furthermore declares that the following parts of standards and documents have been applied:

**EN60950-1 :2001, EN301 489-3 v.1.4.1 :2002, EN50130-4 :95+A1+A2, EN300220-3 :00, EN300220-1 :00, TBR21 :98, ETSI EG 201121**

Ort und Datum der Ausstellung

Place and date of issue

Mühlhausen, 24.04.07

Name, Funktion und Unterschrift des Befugten  
Name, function and signature of authorised person

Andreas Kupka, Geschäftsführer

## OVERVIEW OF USER COMMANDS

AWAY arming (external)	PIN	[1] [2] [3] [4]
STAY arming (internal)	PIN	[1] [2] [3] [4]
AWAY arming (external) of partition [1/2/3]	[1]/[2]/[3]/PIN	
STAY arming (internal) of partition [1/2/3]	[1]/[2]/[3]/PIN	
Disarming	PIN	[1] [2] [3] [4]
Disarming partition [1/2/3]	[1]/[2]/[3]/PIN	
Disarming under duress	Duress PIN	[1] [2] [3] [5]
Switch off alarm	PIN	
Activate utility output [A]	[4] PIN	
Display current status of partition	[5] PIN	
Activate utility output [B]	[6]	
Door chime On/Off	[7]	
Fault display	[8]	
Omit zone (bypass)	[0] PIN  [Zone No.]	
Program Follow Me number	[2][2][1] PIN	
Display of alarm memory	[3][2] PIN	
Display of event memory	[3][5] PIN	
Battery Test	[4] PIN  [1][5]	
Change user PIN	[5] PIN  [1][1]	
Date/time setting	[6] [Grand Master PIN]	
Automatic activate/deactivate	[6] [Grand Master PIN]  [5] [Plan No] [1]	
Makro A,B,C activate	1 /  2 or  3 for 2 seconds	
Zone test (walk test)	[4] [Grand Master PIN]  [2]	

## **Chapter 1 The advantages of your ABUS wireless alarm system**

Congratulations – you made the right choice! The wireless alarm system from ABUS, the specialist for domestic security, offers you professional technology and first-class quality. It gives you a **great feeling of safety and security** day after day.

In addition to the latest technology, the **ABUS wireless alarm system** will convince you with its modern, elegant design. It is a valuable acquisition for any entrance area.

Throughout your buildings, the **ABUS wireless alarm system** monitors the detectors and contacts that you have installed. It offers you a complete and reliable protection against burglary, fires and other everyday hazards.

The **ABUS wireless alarm system** reports to you the current state of all supervised doors, windows and rooms. Information on this state is provided for you visually (by display) and verbally (by voice message). The voice messages of the **ABUS wireless alarm system** are to the point and easy to understand.

You can easily operate the **ABUS wireless alarm system** by telephone. It is also possible to forward alarms and system messages by telephone: for example, with a private mobile phone.

These operating instructions tell you – step by step and in words you can understand – how to program your **ABUS wireless alarm system**.

To assist you in the following pages, we explain in section 1.1 the most important terms from the world of alarm technology. They will help you in programming and operating your system.

## 1.1 Alarm technology terms

This chapter contains the most important terms from the area of alarm technology. If you come across a specialist term that you do not understand, you can read about it here.

### **System arming STAY/AWAY (external, internal)**

When you activate the **ABUS wireless alarm system**, you activate, or arm, the sensors of the system (door and window contacts, glass breakage detectors, motion sensors, etc.). Every sensor is triggered by a particular event (a motion sensor by movement, a glass breakage sensor by glass breakage, a window contact by the opening of the secured window, a smoke detector by smoke, etc.). When the system is activated, the triggering of a sensor leads to an alarm. You can activate externally and internally, and you can activate partitions.

**External activation** (AWAY arming) activates ALL detectors integrated in the system.

**Internal activation** (STAY arming) arms only specific detectors (for example, door-opening contacts and glass breakage detectors). You can therefore move around the house without triggering an alarm. This must be programmed in advance.

### **Omitting a zone**

When you activate your system, you can omit certain zones. The sensor of an omitted zone does not report an alarm if it is triggered. For example: If you omit an opening sensor (e.g., on a window), your system (when activated) will not trigger an alarm if this window is opened.

### **Authority level**

Every person who operates the **ABUS wireless alarm system** needs a user PIN. Each user PIN is assigned to an authority level. Users with a "higher" authority have access to a larger number of system functions. All users with "lower" authority are more restricted in their activities. There are 8 different authority levels available for users of the **ABUS wireless alarm system**.

### **User PIN**

The user code is a 4-digit or 6-digit PIN code that you have to enter to use the **ABUS wireless alarm system**. Performing many of the system functions is possible only with this PIN code. See the installation instructions for your user PIN. The factory setting of the PIN is [1] [2] [3] [4].

### **Disarming (deactivate)**

When you deactivate the **ABUS wireless alarm system**, the system sensors are disarmed. The triggering of a sensor no longer results in an alarm. Exceptions: Smoke detectors, sensors you have defined as door chimes, and all detectors integrated in zones that are monitored 24 hours a day by default.

## **Downloader Software (DL)**

The DL software (optional accessory) is used to program the system from a PC. As user, you can configure the system and keep an eye on its current state.

## **Entry and exit delay**

The entry delay time is a period you can define to allow you to disarm the system with your PIN after opening the door to your house. The exit delay time gives you enough time to leave your property after arming the system. If you operate your system with a remote control unit, you do not normally need an entry/exit delay time.

## **Event memory**

The event memory records all system events and messages. You can view this list on the system display or using the downloader software.

## **Radio-controlled remote control**

Your remote control is a transmitter with 4 buttons. You use it to activate/deactivate your system, trigger a panic alarm or switch a relay output. With the relay output, you can control your entrance lighting or control household appliances attached to the system, depending on your requirements.

## **Chime**

You can assign the “chime” property to any (burglary) zone (see Zone). Even if your system is inactive, the control panel informs you if one of these zones is opened. For example: You can set the chime so that it announces the arrival of a customer every time the entrance door is opened (e.g., with a door chime). When the system is activated, the opening of a “chime” zone naturally triggers an alarm.

## **Grand Master, Master, Manager**

Grand Master, Master and Manager are system users (similar to an administrator, advanced user, etc.). They have a higher authorisation level and can make more settings to the system (e.g.: adding a new user PIN).

## **Command centre**

The **ABUS wireless alarm system** can be set up to send alarms to an emergency command centre by voice message. The emergency command centre monitors the activities of many security systems round the clock and contacts the police, the fire brigade or the authorities responsible in the event of an alarm.

## **Scheduler**

You can use the scheduler to automate particular functions of your system (e.g.: activate/deactivate the system at a certain time, control switch outputs, etc.).

## **Utility output / switch output**

In addition to the other sensors, you can control household appliances or lighting with the **ABUS wireless alarm system**. This is done with relay/switch outputs. This equipment can then be automatically switched on or off from the **ABUS wireless alarm system**. You can also operate the switch outputs manually from the alarm system or a system operating panel.

## **Tamper**

Every detector of your alarm system (sensor, alarm system, etc.) is protected by a so-called tamper contact. Every time a detector is opened by an unauthorised person, an alarm is triggered.

## **Fault report**

Your system monitors itself. Any faults are displayed and stored in the event memory. You can also have important fault events transmitted by telephone.

## **Partition**

With the **ABUS wireless alarm system**, you can split up the complete alarm system into up to three partitions. Each partition can then be operated as a separate system. Each partition can be individually activated and deactivated – irrespective of the state of the other partitions.

## **Telephone forwarding**

With the **ABUS wireless alarm system**, you can transmit events, alarms and system messages by telephone to a private number or command centre.

## **Zone**

A zone consists of one or more detectors. It designates its surveillance area. In radio alarm technology, only **one** detector is assigned to a zone. Zones are given different properties according to the detector type. There are fire zones for smoke detectors (always active), zones for motion sensors (active only if the system is armed), and zones for the entrance/exit door (see “**Entry and exit delay**”). For more information about zone types and their properties, see the installation instructions.

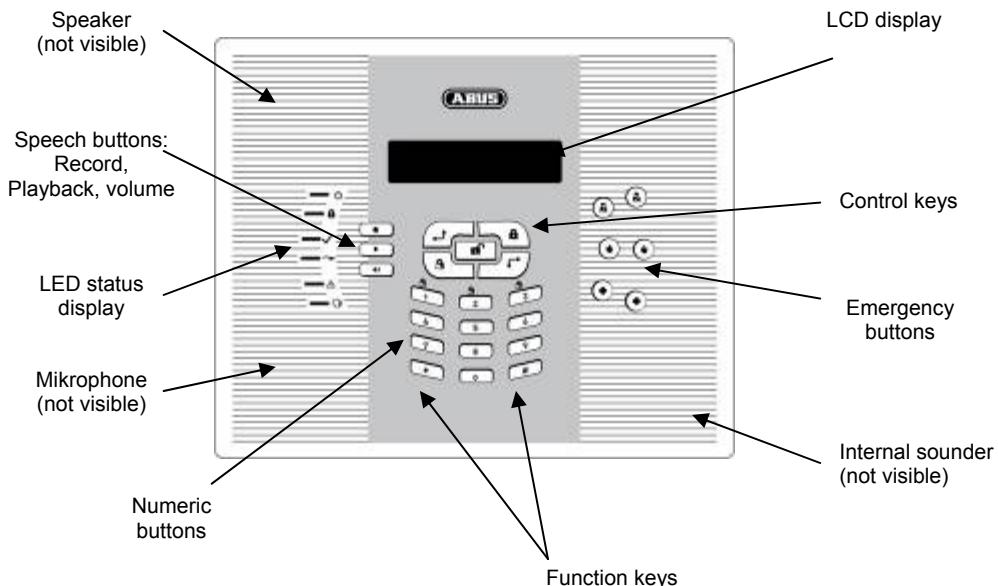
Zones that are ready to be activated are known as closed zones.

Zones that are not ready to be activated are known as open zones.

## 1.2 Main properties of the ABUS wireless alarm system

The **ABUS wireless alarm system** has the following properties:

Property	ABUS wireless alarm system
Total number of wireless zones	32
Wired zones	1
Partitions	3
User PINs	32
Authorisation levels	8
Utility outputs	4
Total number of radio remote controls	8
Telephone numbers	4
Planning of weekly programs	16



## Chapter 2 Operating the ABUS wireless alarm system

You have the following ways of operating the **ABUS wireless alarm system**:

- Locally (on the system, an a control unit, by remote control and with Downloader Software)
- Remote access (by telephone and Downloader Software)

Voice messages of the **ABUS wireless alarm system** will simplify operation. The system also informs you on the LED display and with sound signals.

### **IMPORTANT:**

Voice messages can be deactivated. See also section 6.4 for more information.

### 2.1 Operating options

The **ABUS wireless alarm system** can be operated as follows:

- Locally, using the **function keys**
- Locally, using an **operating panel**. You can extend the **ABUS wireless alarm system** by adding up to two wireless operating panels.
- Locally, using a **radio remote control** or the installed **panic buttons**. With the radio remote control, you can activate/deactivate the system, trigger a panic alarm, or activate switch outputs.
- Local operation or remote access with the **Downloader Software** (DL) from ABUS. The DL software helps you to program and operate the system and obtain information about its current state.
- Remote access using any **pushbutton telephone** (DTMF, MFV). Operation by telephone includes: Activating/deactivating the system, controlling switch outputs (household appliances), listening in and speaking to the object.

The **ABUS wireless alarm system** also uses voice messages to inform you about the state of the system.

*Locally:* By loudspeaker on the control panel

*Remote access:* The **ABUS wireless alarm system** reports events by calling you and playing you a previously recorded voice message.

## 2.2 Voice messages

The **ABUS wireless alarm system** has 3 types of spoken messages. They can be heard locally or by telephone.

- Event message: In the case of an event defined by you, a call is routed to a telephone number selected by you to report the security status to the user. A previously recorded voice message is played.
- Status message: The system informs you about its current state. You can call the system, and/or it can call you.
- Announcement message: If an event defined by you occurs, an announcement message is played locally in the building. This tells the inhabitants what the current (security) state is.

The number of spoken messages used by the **ABUS wireless alarm system** is very large. This manual mentions only the most important. Other voice messages need no explanation because they are announced during system operation.

In addition to the 3 message types described above, you can adapt your voice messages personally: for each zone and each partition.

For further information about personal adaptations to voice messages, see the installation instructions.

## 2.3 LEDs and their meaning

The LED in the top left-hand corner of the **ABUS wireless alarm system** tells you at a glance what the current system state is. The LEDs and their meaning are described in the following. (Some LEDs have extra functions that will be explained later.) The LEDs are described from top to bottom.

### 2.3.1 Operation LED (green LED at the top)

The OPERATION LED shows whether the system is operating.

State	Description
ON	The system is functioning normally on a DC power supply. The battery state is normal.
OFF	System failure; no power available (mains and battery failed)
<b>FAST FLASHING</b>	AC power fault
<b>SLOW FLASHING</b>	Battery fault

### 2.3.2 Active LED (red LED at position 2)

The ACTIVE LED shows whether the system is activated/armed.

State	Description
ON	The system is completely or partly activated/armed.
OFF	The system is completely deactivated/disarmed.
<b>FAST FLASHING</b>	The system is in exit delay mode (see section 1.1, "Alarm technology terms").
<b>SLOW FLASHING</b>	An alarm is displayed. The <b>ABUS wireless alarm system</b> is in "alarm memory" mode following the triggering of an alarm. To reset the display to normal, press 

### **2.3.3 Ready LED (green LED at position 3)**

The READY LED shows whether the zones of the system can be activated.

<b>State</b>	<b>Description</b>
<b>ON</b>	All zones are closed. The system can be activated.
<b>OFF</b>	One or more zones are not closed, and the system cannot be activated. Before activating the system, you have to close the zones.  The READY LED also switches off during certain system faults.
<b>SLOW FLASHING</b>	Shows that the system can be activated even if a particular line (e.g.: entrance door, window) remains open.

### **2.3.4 Omit LED (yellow LED at position 4)**

The OMIT LED shows whether there are any omitted zones in the system. (An omitted zone is a zone that has been excluded from monitoring even though it has a sensor.)

<b>State</b>	<b>Description</b>
<b>ON</b>	At least one zone was omitted; OR: The <b>ABUS wireless alarm system</b> was activated internally.
<b>OFF</b>	No zones omitted; OR: The <b>ABUS wireless alarm system</b> was activated externally (although omitted zones exist).

### **2.3.5 Fault LED (red LED at position 5)**

The FAULT LED displays system faults.

<b>State</b>	<b>Description</b>
<b>FAST FLASHING</b>	At least one fault exists in the system.
<b>OFF</b>	No system faults present.

### 2.3.6 Message LED (red LED at bottom)

The MESSAGE LED shows whether there are any new messages in the system.

State	Description
<b>SLOW FLASHING</b>	You can listen in to the system – for example, to check the causes of a particular event. You can also speak to your house by telephone or over the loudspeakers of the <b>ABUS wireless alarm system</b> . During communication in both directions, the LED flashes slowly.
<b>FAST FLASHING</b>	A new message exists. OR: A spoken message is being transmitted during communication in both directions.
<b>OFF</b>	No new message exists.

## 2.4 Button functions

The buttons of the **ABUS wireless alarm system** can be used for several functions. They are described in detail in the following section.

### 2.4.1 Numeric buttons

The numeric buttons are used for entering PIN codes. The PIN code is used for activating and deactivating the system. The numeric buttons are also needed for special functions.

### 2.4.2 Control buttons

The function of the control buttons varies according to the current operating mode of the **ABUS wireless alarm system**. The following table shows the functions of the buttons in normal mode and in user function mode:

Button	Normal mode	User operations
	Activates the “user functions” menu item.	Exits the current menu and returns to normal mode.
	AWAY arming/Activate externally (the complete system or partitions)	Changes data
	STAY arming/Internal activation	Changes data
	Deactivate the system (after entry of the user PIN)	---

	Activates functions if used together with the numeric buttons. For the options of this button, see also the table on page 2.	Activates the respective items in the user functions menu and terminates commands and saves the setting made.
	-	Scrolls upwards in a list and moves the cursor to the left
	-	Scrolls downwards in a list and moves the cursor to the right

#### 2.4.3 Emergency buttons

The **ABUS wireless alarm system** has 3 pairs of emergency buttons. Each pair of buttons has to be pressed for at least 2 seconds to activate their function. This prevents the unintentional triggering of emergency alarms. The table below describes the emergency buttons and their assigned messages. The audible signals that sound in the event of an emergency alarm are described in the appendix (section 9.2).

Button	Description	Message
	Triggers a panic alarm	“Panic alarm”
	Triggers a fire alarm	“Fire alarm”
	Triggers a medical emergency alarm	“Emergency alarm”

#### 2.4.4 Speech buttons

Use the speech buttons to record a message and adjust the volume.

##### Button

##### User functions



Press to record a voice message. For further information, see "Operating the family message centre" in section 6.5.



Press this button to listen to messages.



Keep this button pressed to adjust the volume of the internal loudspeaker.

The following levels are available:

- "Loudspeaker off"
- "Loudspeaker level 1"
- "Loudspeaker level 2"
- "Loudspeaker level 3"
- "Loudspeaker level 4"

#### 2.4.5 Function keys

The function keys help you to operate your system. For example, you can activate the user functions by the press of a button, without having to enter the user PIN.

#### **IMPORTANT:**

Before you can use the function keys, they have to be released. -> Installer menu

#### 2.5 State of LCD display

The state of the LCD display varies according to the status and number of partitions defined. If you have defined only one partition in your **ABUS wireless alarm system**, the LCD display shows the name of this partitions, the time and the date.

If you have defined two or three partitions, the LCD display shows the name of the system, the time, the date, and the state of each partition. The LCD shows a letter for each partition. The letters indicate the current state of the partitions.

**A: External activation of  
partition (AWAY)**

**N: Partition not ready**

**S: Partition activated internally  
(STAY)**

**R: Partition ready**

**a: Partition in alarm state**

## Chapter 3 Local system activation and deactivation

### 3.1 Activating the ABUS wireless alarm system

When you activate the **ABUS wireless alarm system**, you activate, or arm, the sensors of the system (door and window contacts, glass breakage detectors, motion sensors, etc.). Every sensor is triggered by a particular event (a motion sensor by movement, a glass breakage sensor by glass breakage, a window contact by the opening of the secured window, a smoke detector by smoke, etc.). When the system is activated, the triggering of a sensor leads to an alarm. This chapter shows you the different ways of activating the **ABUS wireless alarm system**. If programmed, activation is confirmed by a local announcement.

You can activate the system in two ways:

- By entering your user PIN
- By using the control buttons

You can activate 3 different elements. You can:

- activate externally (the complete system)
- activate internally (detectors of the outer skin only)
- activate partitions

#### **IMPORTANT:**

If you accidentally enter the wrong PIN during activation, the operating panel emits 3 brief tone signals. The display shows “**Wrong Code. Please try again.**” In this case, press



repeatedly and enter the correct PIN.

Before activating the system, check the READY LED. If it is on or flashing, you can arm the system. If the READINESS LED is off or not flashing, your system is not ready and you cannot activate the **ABUS wireless alarm system**. In this case, you have to close or omit open zones. Then you can continue.

### **3.1.1 AWAY arming/External activation**

External activation arms ALL detectors integrated in the system. Use this type of activation only if there is nobody in the object and you too are leaving the object.

#### **To activate externally:**

1. Check the READY LED and make sure that the system can be activated.
2. Enter your user PIN and press . All partitions assigned to this PIN are now activated.

#### **IMPORTANT:**

If programmed (-> Installer menu ->Quick Arm), you can arm your system simply by pressing the active key . You do not have to enter your user PIN.

3. Leave the object and close the door. The operating panel beeps and the ACTIVE LED flashes. The system changes to exit delay mode. If the countdown of the exit delay time has started, the following message is played: "**System in arm process, please exit now!**"???
4. After the exit delay time expires, the ACTIVE LED lights permanently and the following message is announced: "**System armed in away**"

#### **IMPORTANT:**

If you cannot arm the system because a zone is open, you hear this voice message:  
**„System not ready, fail to arm, check Zone X.“**

Close the respective zones and arm the system again.

If you cannot arm the system due to any other problem, you hear this voice message:  
**„System not ready, fail to arm, check display.“**

Check the system faults and remove the reason for the fault. Then rearm the system.

### 3.1.2 Stay arming

Internal activation arms only the detectors of the outer skin – for example, door/window contacts and glass breakage detectors (or detectors defined in the installer menu). It enables you to move freely within a monitored object while the system is internally activated.

#### Stay arming

1. Check the READY LED to see if the system can be activated internally.
2. Enter your user PIN and press . All partitions assigned to this PIN are now internally activated.

#### IMPORTANT:

If released (-> Installer menu -> Quick arm), just press the internal arm button  to arm the system internally. You do not have to enter your user PIN.

3. If necessary, leave the object and close the door. The operating panel beeps during the exit delay time. The ACTIVE LED flashes and the OMIT LED lights up.

#### IMPORTANT:

If you press  during the exit delay period, the announcements and beeps on the operating panel are cancelled.

If you press the internal arm button  twice, the entry delay is cancelled – i.e., an entry/exit zone becomes an instant zone.

4. After the exit delay time expires, the ACTIVE LED lights permanently and the following message is announced: “**System armed at stay**” If the system cannot be activated, the message “**Not ready to arm**” is played, as described in section 3.1.1 (“External activation”).

### 3.1.3 Activating a partition

A great advantage of the **ABUS wireless alarm system** is that you can split up the complete alarm system into up to three partitions. Each partition can then be operated as a separate system. Each partition can be individually activated and deactivated – irrespective of the state of the other partitions.

You can activate or deactivate partitions one after the other or all together. Each partition can be activated either internally or externally.

#### **IMPORTANT:**

Systems divided into partitions can have common zones.

For example: In a two-family (duplex) house, the entrance door is used by both families. Each family inhabits a separate partition (with a separate alarm system). However, the door contact of the entrance door is configured as a common zone.

Common zones are activated only if all partitions sharing the corresponding zones (i.e., both dwellings in the above house) are armed.

Common zones are deactivated if one of the partitions in a zone is disarmed.

However, you can also set up your system differently:

A common zone can also be armed if only one partition containing the zone is armed. The common zone is not deactivated until all partitions sharing the zone are disarmed.

Only users with authorisation for two or more partitions can operate more than one partition and activate/deactivate them simultaneously.

#### To activate partitions:

1. Check the READY LED and make sure that the system can be activated.
2. Select the partition you want to activate. Do this by pressing  and entering the partition number [1/2/3].
3. Enter your user PIN and press . An announcement informs you whether activation was successful (as described in section 3.1.1, “External activation”.)
4. Repeat these steps to activate further partitions.

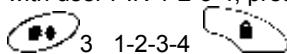
#### **IMPORTANT:**

If configured: just press  [1/2/3]  to quickly activate a partition externally.

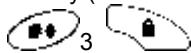
Or press  [1/2/3]  to quickly activate a partition internally.

Application examples:

To externally activate partition 3 with user PIN 1-2-3-4, press the following:



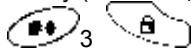
To quickly activate partition 3 externally (if defined), press the following:



To internally activate partition 3 with user PIN 1-2-3-4, press the following:



To quickly activate partition 3 internally (if defined), press the following:



## 3.2 Deactivating/Disarming the ABUS wireless alarm system

When you deactivate the **ABUS wireless alarm system**, the system sensors are disarmed. The triggering of a sensor no longer results in an alarm.

Exceptions: Smoke detectors, sensors you have defined as door chimes, and all detectors integrated in zones that are monitored 24 hours a day. For detailed information about detectors that can also trigger when deactivated, refer to the installation manual. This chapter tells you the different ways of deactivating the **ABUS wireless alarm system**. If defined, deactivation is confirmed by a local announcement.

### IMPORTANT:

If you enter the wrong PIN during deactivation, the operating panel emits 3 brief tone signals. You hear the voice message "***Fail to disarm. Wrong Code. Please try again.***"

You can deactivate 2 different elements. You can:

- deactivate the complete system
- deactivate partitions

In addition to entering the user PIN and pressing the control buttons, there are two other ways of deactivating the system:

- deactivation under duress (silent alarm)
- silencing an alarm

### 3.2.1 Disarming the system

Geben Sie Ihren Benutzer PIN ein und drücken Sie die  Taste. All partitions assigned to this PIN are now deactivated.

### IMPORTANT:

If you are outside your home and the ABUS wireless alarm system is activated, enter your home only via the zone to which you have assigned the property "entry and exit delay" (see section 1.1). This is usually your entrance door. When this zone triggers, no alarm is set off at first – only the operating panel begins to beep. This informs you that entry delay time countdown has started. You also hear the following message: "***System in disarm process. Please enter your code.***" Before the entry delay time expires, you

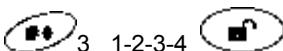
have to enter your user PIN and press . Otherwise, an alarm is triggered.

### 3.2.2 Disarming partitions

1. Select the partition you want to deactivate. Do this by pressing  and entering the partition number [1/2/3].
2. Enter your user PIN and press . You hear the following announcement: “{System / [partition x]} disarmed”.
3. Repeat these steps to deactivate further partitions.

#### Example:

To deactivate partition 3 with user PIN 1-2-3-4, press the following:



#### IMPORTANT:

If the ACTIVE LED flashes following deactivation, check the display for activated (alarmed) zones.

### 3.2.3 Disarming under duress / silent alarm

#### IMPORTANT:

Never perform a forced deactivation with the duress PIN arbitrarily or for no special reason. Emergency command centres take this very seriously and act fast!

With the **ABUS wireless alarm system**, you can deactivate the system with a forced code. If you enter the duress PIN, your alarm system is deactivated as normal, but simultaneously a **silent alarm** is triggered. This alarm is transmitted to an emergency command centre and must therefore never be triggered arbitrarily or accidentally. The duress PIN is used if you are forced by someone else to deactivate the system.

To use the duress PIN, just add 1 to the last digit of your user PIN (see the examples in the following table).

User PIN	Duress PIN
1-2-3-4	1-2-3-5
5-6-7-8	5-6-7-9
6-7-8-9	6-7-8-0

## **Deactivation with a duress PIN:**

Deactivation with a duress PIN is similar to normal deactivation. The only difference: Instead of your user PIN, enter the duress PIN before pressing . All partitions assigned to this PIN are deactivated AND a silent alarm is transmitted to the emergency command centre.

### **3.2.4 Silencing an alarm**

After the **ABUS wireless alarm system** triggers an alarm, it is in alarm memory mode. When you silence the alarm, the system switches back to deactivated status.

1. The ACTIVE LED shows you whether an alarm has been triggered in your system. If this LED is flashing and the LCD display shows the triggered zone, there was an alarm.
2. To silence the alarm: Enter your user PIN and press . The following message is played: **“System / [partition X] disarmed, Alarm occured in the system, check display!”**  
The ACTIVE LED flashes and the operating panel displays the alarm zone for about 60 seconds.

#### **IMPORTANT:**

Leave the building as soon as you notice that your system has triggered an alarm. Not until after the security personnel have completed their investigations can you be sure that the building is free of intruders.

In particular cases, if this is programmed, you need the technician's code to activate the system following an alarm. The LED display then shows the message **“Not ready – technician reset”**.

## Chapter 4 Remote access by telephone

You can remote-operate the **ABUS wireless alarm system** using a pushbutton telephone. You can activate and deactivate your system, control switch outputs, record messages, and do many other things. To access your alarm system by telephone, enable the U/D function (Installer menu -> Dialer -> Controls).

### 4.1 Access to the system

To operate the **ABUS wireless alarm system** by pushbutton telephone, you first have to call the system. Then enter your access code and your user PIN via the keypad, and you can operate your system from a distance. To be able to do this, you first have to enable the U/D function (Installer menu -> Dialer -> Controls).

#### To access the system by telephone (remote access):

1. Dial the number of the building in which the alarm system is installed.  
Important: Use a pushbutton telephone!
2. Wait until the system answers your call. You hear a brief signal tone. Wait until this tone stops.
3. Enter your two-digit access PIN (default: 00). If you take longer than 10 seconds doing this, the system starts with the U/D procedure. Then hang up, wait about 15 minutes and call again.
4. After entering your 2-digit access PIN, you hear the following message: “Hello. Please enter your user code, followed by [#]”.
5. Follow this instruction: Enter your user PIN and press [#].

#### IMPORTANT:

If you do not enter your access PIN within 10 seconds, the system starts with the U/D procedure. You have to call again. If you enter a bad PIN, you hear the message “Bitte geben Sie Ihren Benutzer PIN gefolgt von der [#] Taste ein”???.

If you enter 3 invalid PINs, the system hangs up and is blocked for 15 minutes. During this period, all calls to the system are unanswered. However, event calls by the system can be received.

6. If your user PIN is accepted, you reach the **operation menu**.

#### IMPORTANT:

If an answering machine is in operation, let it ring once, hang up and call again. In this case, enable Answering Machine Override in the installer menu.

## 4.2 Operation menu

You can operate the **ABUS wireless alarm system** by pushbutton telephone from the operation menu. Voice messages tell you what setting options you have and how to perform the corresponding function. Your options in the operation menu vary according to your access rights and the state of your system.

For example: If all partitions of your system are activated, the system arm option is no longer announced.

### IMPORTANT:

To hear a voice message again, press [#]. You do not have to wait for the end of a voice message. If you know the right key combination, you can press it at any time to select a setting or function.

If you do not know the exact key combination, you can follow the spoken instructions of the system.

This table shows the settings you can make by telephone to the **ABUS wireless alarm system** and the key combinations you need:

Setting/function	Combination of telephone keys
Activate / Arm all partitions	[1][1]
Activate / Arm selected partitions	[1][9] [Partition No.]
Example: Activate partition 2	[1][9] [2]
Deactivate/ Disarm all partitions	[2][2]
Deactivate / Disarm selected partitions	[2][9] [Partition No.]
Example: Deactivate partition 2	[2][9] [2]
Reintegrate omitted zones	[3][Zone No.][#][9]
Control switch / utility outputs	[4][Switch output No.]
Change Follow Me (FM) telephone numbers	[5][FM No.][#][2]
Listen in to object	[6][1]
Speak to object	[6][2]
Play message	[7][1]
Record message	[7][2]
Exit system	[0]
Return to previous menu	[*]
Repeat menu options	[#]

### Activation:

If you activate by telephone, note that it is possible that one partition will remain unsecured if it contains open zones.

### Omit zones:

Omitting a zone (see section 1.1) causes the detector to which this zone belongs to remain unsecured. The zone is automatically reintegrated following deactivation. The "omit zone" option can be completely disabled. However, it is then no longer available in the operation menu.

## **Operating switch outputs:**

For further details on operating switch outputs, see the installation instructions. There are two kinds of switch outputs. They behave differently when they are switched:

- Permanent output: Remains active until deactivated.
- Pulsed output Remains active for a predefined period and is then automatically deactivated.

## **Changing Follow Me (FM) numbers:**

Only the Grand Master, Master and Manager authorisation levels are permitted to change FM numbers.

For details about FM numbers, see section 6.2.

### **4.2.1 Remote listen**

With the **ABUS wireless alarm system**, you can listen in to the system by telephone – for example, to find out the cause of an event. You can also speak to your house over the loudspeakers of the **ABUS wireless alarm system**. However, in contrast to normal telephone calls, you cannot simultaneously hear and speak.

#### **IMPORTANT:**

After selecting one of the two options (listen in or speak), you have two minutes for listening in or speaking. You are then returned to the operation menu.

1. You are in the operation menu. Press [6] on your telephone. You hear the following message: “**To listen in press 1, to talk press 2.**”
2. **To listen in: [6][1]**  
Press [1] to listen in to your system. The internal siren of the **ABUS wireless alarm system** is off. If you speak now, your voice cannot be heard over the loudspeaker of the **ABUS wireless alarm system**. However, you can hear what is happening.
3. **To speak: [6][2]**  
Press [2] to speak to your system. The internal siren of the **ABUS wireless alarm system** is silenced and your voice can be heard over the loudspeaker.

#### **IMPORTANT:**

When you switch from listening in to speaking, a beep sounds. While you are in speaking mode, the MESSAGE LED flashes.

4. **To cancel the remote listen function:**

Press [\*] to end listening in and speaking and return to the operation menu.

#### **4.2.2 Voice messages**

You can use the **ABUS wireless alarm system** to collect voice messages from other system users. You can also leave a voice message for other users.

The function enables you to record and save a message up to 8 seconds long. Caution: When you record a new message, the old message is deleted.

##### **To play back a message:**

You are in the operation menu. Press [7] on your telephone to reach the Voice Message menu. You receive one of the following messages:

**“You have a new message” or “You have no new message”.**

Now press [1] to play back any new message.

##### **To record a message:**

1. You are in the operation menu. Press [7] on your telephone (to reach the Voice Message menu) and then [2]. You hear the following message: **“Press [#], to start and stop recording”.**
2. Follow this instruction: Now press [#] and speak your message into the telephone.
3. Press [#] when you want to end your message. You hear the following message: **“You have a new message. To play the message press 1, to record a message, press 2.”**  
You can either follow this instruction or press [\*] to return to the operation menu.
4. When you return to the Voice Message menu after recording a message, you hear the following message: **“You have a new message”**. If another user of the **ABUS wireless alarm system** (with a different user PIN) has already played the message, this changes to **“You have no new message.”**

##### **IMPORTANT:**

Whenever a new message exists, the MESSAGE LED flashes quickly. The LED switches off after you listen to the message.

If you record a new message, the old message is deleted.

## 4.3 Receiving calls

If an event occurs (an alarm was triggered), the **ABUS wireless alarm system** informs you about the current situation (e.g.: burglary or fire). The system calls you and plays you a pre-recorded message. You are then in the operation menu (see section 4.2).

Die **ABUS wireless alarm system** can dial up to **4** telephone numbers. These numbers are known as Follow Me numbers (FM numbers). Apart from yourself, up to 3 other persons (friends, neighbours, etc.) can be informed about the current situation by telephone.

### 4.3.1 Receiving an event call

When you receive a call from the **ABUS wireless alarm system**, you must tell the system about it. You merely have to accept the call and log in. This tells the system that you have received the call. The corresponding event message is then played.

#### **IMPORTANT:**

If the **ABUS wireless alarm system** does not register any voice, the event message is played five seconds after the telephone handset is lifted.

Any noise in the telephone line can be interpreted by the system as a call acceptance. This means that the event message can start to be played before you pick up the phone.

If this happens, press [#] to restart the playing of the event message.

#### **Event announcement**

After you confirm the call, the event message is played and you are informed about the security situation in your system (house, office, etc.).

For example: "23 High Street, burglar alarm, ground floor, kitchen".

The event message can be deactivated or defined for particular events only.

#### **IMPORTANT:**

To repeat an event message, press [#]. To skip an event message and go direct to the confirmation menu (see section 4.3.2), press [\*].

#### 4.3.2 Confirmation menu

After the **ABUS wireless alarm system** plays the event message, you are in the confirmation menu. You need your user PIN for some of the following options.

Options in confirmation menu	Digit
<b>Confirmation message</b> Press [1] to confirm reception of an event message. After you confirm an event with [1], the system calls the next FM number. If you do not confirm the event, the system will call you again. You can define how often the system calls you.	[1]
<b>To confirm and stop the calling of further FM numbers</b> Press [2] to confirm reception of the event message and also stop the calling of further FM numbers.	[2] + [PIN]
<b>To enter the operation menu</b> You can operate the ABUS wireless alarm system by pushbutton telephone from the operation menu. For options, see the table on page 23/24 (section 4.3).	[3] + [PIN]
<b>Communication in both directions</b> As described in section 4.2.1, you can listen in and speak to the system by telephone. For further information, see page 25.	[6] + [PIN]
<b>To repeat an event message:</b>	[#]

**IMPORTANT:**

If you enter an invalid PIN 3 times in succession, or if you need longer than 10 seconds to enter the PIN, the line is blocked. For the next 15 minutes, no calls of the ABUS wireless alarm system are directed to this number.

**IMPORTANT:**

From the confirmation menu, you have access to the operation menu and the "Remote Listen" function only if the installer has authorised your telephone number.

## Chapter 5 User PINs

For many of the functions of the **ABUS wireless alarm system**, you need a security code – your user PIN. These PINs are between 4 and 6 digits long. You can define up to 32 different user codes for the **ABUS wireless alarm system**.

You can also assign an authorisation level to each user PIN. Users with “higher” authorisation have access to a larger number of system functions. Users with “lower” authorisation are more restricted in the functions they can perform. When programming, you can select between 8 different authorisation levels. For more information on defining authorisation levels, see the installation instructions.

### **IMPORTANT:**

Your **ABUS wireless alarm system** has the so-called Grand Master PIN 1-2-3-4 as a factory default. If your installer has not yet changed this PIN according to your wishes, you should now change it so that only you know it.

### 5.1 Entering/changing the user PIN

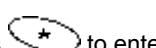
Only the user with the Grand Master PIN can change all user PINs. Users with lower authorisation levels can only change their own PINs.

The system must be deactivated before user PINs can be entered or changed.

### **IMPORTANT:**

If you enter an invalid PIN, the operating panel emits three short beeps. The following message is issued: **“Wrong Code. Please try again.”** In this case, press the  buttons repeatedly and enter the correct PIN.

### To enter/change a user PIN:

1. Press  to enter “user functions” mode.
2. Press [5] followed by your user PIN.
3. Confirm with .
4. Press [1] for user PIN.
5. Press [1] for define/update.
6. Now enter a two-digit user index number. The user index number is the number you assign to a user PIN.  
For example: To assign the user index number 6 to a user PIN, press [0] and [6].

### **IMPORTANT:**

The system manages user index numbers 00 to 32, corresponding to the number of possible users. User index number 00 is reserved for the Grand Master PIN.

7. Enter the new user PIN and press ; the system confirms with a beep. Additionally, a message is played. Incorrect input is followed by three fast beeps.
8. Repeat the above steps until you have entered all the user PINs you want to change.
9. When you have entered all PINs, press repeatedly in succession and exit “user functions” mode.

## 5.2 Deleting user PINs

Sometimes it is necessary to completely delete a user PIN. Note: You cannot delete the Grand Master PIN, you can only change it.

The system must be deactivated before user PINs can be deleted.

### To delete user PINs:

1. Follow steps 1-5 in section 5.1.
2. Enter the 2-digit user index number of the user PIN you want to delete. Press [0] followed by .
3. The system confirms your settings with a beep. Additionally, a message is played. Otherwise, you hear three fast beeps.
4. Repeat the above steps until you have entered/deleted all user PINs.
5. When you have deleted all PINs, press repeatedly in succession and exit “user functions” mode.

## Chapter 6 Main settings under “user functions”

On the **ABUS wireless alarm system**, you can make a wide range of settings under “user functions” in addition to entering and deleting user codes (see chapter 5). This chapter describes the main settings (setting time and date, entering Follow Me numbers, creating weekly schedules, activating/deactivating local announcements, managing local voice messages, and programming macro buttons).

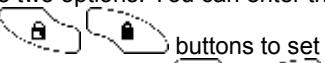
The complete user functions menu is shown in chapter 7.

To go to the user functions menu, just press .

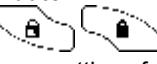
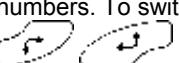
### 6.1 Setting system time and date

In order that the **ABUS wireless alarm system** can operate properly, you have to set the correct time and date. Only the Grand Master and the Manager can make these settings.

#### To enter/change the system time:

- Under user functions, press [6] for **Clocks**.
- Then enter the Grand Master PIN or the Manager PIN and press .
- Select [1] for the **system time**.
- Enter the correct time in 24-hour format.  
You have two options: You can enter the time via the numeric buttons. OR:  
Use the  buttons to set all numbers separately. In this case, you have to press the  buttons to select the position of the number you want to change.
- Press  to confirm your input.

#### To enter/change the system date:

- Under user functions, press [6] for **Clocks**.
- Then enter the Grand Master PIN or the Manager PIN and press .
- Select [2] for the **system date**.
- Enter the date. Use the  buttons to set the corresponding numbers. To switch between settings for date, month and year, press the  buttons.
- Press  to confirm your input.

## 6.2 Entering Follow Me (FM) numbers:

If an event occurs (an alarm was triggered), the **ABUS wireless alarm system** informs you about the current situation (e.g.: burglary or fire) by telephone. Tone signals or voice messages are transmitted to report this event.

Die **ABUS wireless alarm system** can dial up to **4** telephone numbers. These numbers are known as Follow Me numbers (FM numbers). Apart from yourself, up to 3 other persons (friends, neighbours, etc.) can be informed about the current situation by telephone.

### To edit/enter an FM number:

1. Under user functions, press [2] for **Activities**.
2. Select [2] for **Follow Me**.
3. Select [1] for **Define**. (This is possible only if the Follow Me function is enabled under Installer menu -> Dialer.)
4. Enter your user PIN and press .
5. Select the FM number (1–4) that you want to enter/edit. The FM index number is the number you assign to a telephone number.
6. Enter the telephone number including the local area code (if necessary), and press . (An FM telephone number can consist of up to 32 digits.)
7. After entering the telephone number, decide what permissions you want to give this FM number for remote access in the operation menu (see section 4.2) and in the confirmation menu (see section 4.3.2).
8. You have two ways of defining authorisation for an FM number in the operation menu. “Y” or “N” (see next line). Press  to select between Y and N, and press  to confirm.

**ENABLE FM NO 1:  
REMOTE PROGRAM:N**

[Y]: The user of this FM number has access to the operation menu. The user has access to the options available here.

[N]: The user of this FM number has no access to the operation menu.

9. You have two ways of defining authorisation for an FM number in the confirmation menu. “Y” or “N”.

**ENABLE FM NO 1:  
REMOTE LISTEN:N**

[Y]: The user of this FM number can perform the options “communication in both directions” in the confirmation menu.

[N]: The user of this FM number cannot perform the options “communication in both directions” in the confirmation menu.

10. Press  to confirm your FM number input.

If necessary, program the dial functions described below.

You can press  or  to reach the desired characters.

Function		Result
Stops dialling and waits for a new dial tone.	[*] [1]	A
Waits a little before continuing.	[*] [2]	B
Switches from pulse to tone dialling (or from tone to pulse).	[*] [3]	C
Sends the DTMF * characters.	[*] [7]	*
Sends the DTMF # characters.	[*] [9]	#
Deletes the digit at the cursor position. If placed at the start of the number, the whole number is deleted.	[*] [0]	E

## 6.3 Creating schedules

Use the scheduler to schedule automatic actions of the **ABUS wireless alarm system**. You just define a time at which the system automatically runs one of the following functions:

- **Automatic system activation/deactivation**
- **Programming a switch output**
- **Restriction program for users**

You can create up to 16 schedules.

To make your settings, use the table in the appendix (section 9.3).

### 6.3.1 Schedule for automatic system activation/deactivation

The program for automatic system activation/deactivation arms/disarms your system at times defined by you.

When you create this schedule, you define the following parameters: **Partition, activation mode (external/internal), time (from-to) and schedule name**

You can then define two periods a day in which your system is active (armed) or inactive (disarmed).

While the automatic system activation/deactivation schedule is in operation, announcements continue to be played. When the countdown begins, the following message is heard:

**“System armed in away” or “System in automatic arming process, please exit now”.**

**To set the automatic system activation/deactivation schedule:**

1. Under user functions, press [6] for **Clocks**.
2. Enter your user PIN and press .
3. Select [5] for **Scheduler**.
4. Select the schedule number (1–16) that you want to enter/edit.
5. Select [1] for **arm/disarm**.
6. Follow the instructions on the LCD display. These instructions guide you through the remaining programming steps.

#### **IMPORTANT:**

1. If you want to define the same time intervals for every day of the week, select [8] for All.
2. When defining the partitions you want to activate: Scroll with the  and  buttons to the desired partition (1,2,3).  

3. Press  to enter or delete Y.
4. Leave the time at 00:00 if you do not want automatic activation/deactivation during the current time interval.

### **6.3.2 Programming a switch / utility output**

Use a schedule for switch outputs to switch selected outputs automatically at times defined by you (for example, to control entrance lighting). You can also program switch outputs to be in operation simultaneously.

When you create this schedule, you define the following parameters: **Utility outputs, Time schedule, vacation and label**

#### **To create a schedule for the automatic switching of a switch output:**

1. Follow steps 1 to 4 in section 6.3.1 (“Schedule for automatic system activation/deactivation”).
2. Select **[2]** for **UO on/off**.
3. Follow the instructions on the LCD display. These instructions guide you through the remaining programming steps.

#### **IMPORTANT:**

In the switch output schedule, option **[3]** for **vacation** defines how the outputs are activated during the holidays:

**[N]** means: During the holidays, the switch outputs are activated the same as in the other weeks.

**[Y]** means: During the holidays, the switch outputs are activated according to a schedule.

### **6.3.3 Restriction program for users**

This restriction program prevents selected users from deactivating the **ABUS wireless alarm system** at times defined by you.

When you create a restriction program for users, you define the following parameters: **User, schedule, schedule name**

#### **IMPORTANT:**

In the default factory setting, all users can operate the system without restriction.

#### **To create a restriction program for users:**

1. Follow steps 1 to 4 in section 6.3.1 (“Schedule for automatic system activation/deactivation”).
2. Select **[3]** for **User limit**.
3. Follow the instructions on the LCD display. These instructions guide you through the remaining programming steps.

## 6.4 Activating/deactivating local voice messages

If a particular event such as a panic alarm or a fire occurs, the **ABUS wireless alarm system** informs the occupants of the object about the current status. It does this by playing a local voice message. You can activate or deactivate voice messages according to the event. In the default factory setting, all voice messages are activated.

### To activate/deactivate voice messages:

1. Under user functions, press [7] for Voice Messages.
2. Enter your user PIN and press .
3. Select [4] for Local Announcement Messages. You see a list of system events.
4. From this list of system events, select the events for which you want to activate/deactivate voice messages:

[1] Intruder alarm,	[2] Fire alarm,	[3] Emergency alarm
[4] Panic alarm,	[5] Away arming	
[6] Stay arming,	[7] Auto arm/disarm	
[8] Disarming,	[9] Exit delay	
[10] Entry delay,	[11] Functions Key messages	
[12] Trouble messages,	[13] Walk test	
5. Press  to select between the following options:  
[N]: The voice message is deactivated for the selected event.  
[Y]: The voice message is activated for the selected event.

## 6.5 Local message

Your **ABUS wireless alarm system** can record a local voice message up to 8 seconds long. You can play the message locally over the loudspeakers of the **ABUS wireless alarm system**. When you record a new message, the old message is deleted.

### To record a message:

1. Press  and keep it pressed for 2 seconds. The MESSAGE LED flashes slowly.
2. After the acoustic signal, speak your message at a short distance into the microphone of the **ABUS wireless alarm system**. The microphone is in the bottom left corner of the panel. When you are finished, press  again. The MESSAGE LED now flashes fast.

### To play back a message:

Press : the recorded message is played back.

## 6.6 Programming macro buttons

With the **ABUS wireless alarm system**, you can assign longer commands to a single button, a so-called macro button. If you then press the macro button and keep it pressed for two seconds, the command you have programmed for it is executed. The macro buttons A, B and C are subordinate to the buttons [1], [2] and [3].

Before programming a macro button, you should first execute the command "normally".

**Important:** Make a note of all buttons to be pressed and their sequence. You must follow this sequence later when you program the macro buttons (see step 5 of programming on the next page). You can program up to 3 macro buttons.

### IMPORTANT:

Only the Grand Master can program macro buttons. No macro buttons can be programmed for deactivating the system. You always need a user PIN for this!

#### To program a macro button:

1. Under user functions, press **[8]** for **Macro key**.
2. Enter the Grand Master PIN and press 
3. Three macro buttons [1/A, 2/B, 3/C] are listed. Select the macro button you want to program and confirm with 
4. Keep the button you selected in the previous step pressed for two seconds.
5. Now program the macro button:

Use the numeric buttons to enter the **digits** (0–9), and use the  and  buttons to select the **characters** (E, I, A, B, C) that you need to program the macro button.

**For example:** To internally activate partitions 1 and 2 (in a system consisting of 3 partitions), you would normally enter the following:

[#]1 1234 E [#]2 1234 E

Everything you enter is shown in the second line of the LCD display.

**Makro A:**  
**#11234E#21234E**

### IMPORTANT:

When you save the macro, make sure the cursor follows the last character and is not below it.

#### To enter characters (and digits):

With the and buttons, you can enter all characters and digits you need for your commands. With the and buttons, scroll to the desired position and press the above buttons repeatedly until the character you want appears in the second line of the LCD display.

You can enter the following characters and digits with these buttons:

You can enter:	Stands for ...
0 – 9	Corresponds to the numeric buttons (0 to 9)
#	Corresponds to
*	Corresponds to
A,B,C	Corresponds to a previously programmed macro button
E	Stands for external activation
I	Stands for internal activation

6. After entering characters/digits, make sure that the cursor is placed **after** the last character/digit. After completing your entries, press . All characters/digits to the right of the cursor are ignored.
7. Now press your selected macro button and keep it pressed for 2 seconds. The character/digit sequence is stored and assigned to the selected macro button.
8. To program further macro buttons, repeat the above steps.

#### To activate a programmed macro button:

1. Press the [1], [2] or [3] button and keep it pressed for 2 seconds to activate the macro. You hear the following confirmation message: “**[Makro X] activated**”.
2. If the macro button is not defined, you hear the message: “**Makro not defined**”.

#### IMPORTANT:

After entering characters/digits, make sure the cursor is placed after the last entered character/digit. You can do this with the button.

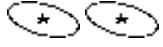
Another example of entering a macro to access the installer menu: [\*] [9] [1] [0] [1] [3] [3] [#] (the installer PIN here is **0133**)

## Chapter 7 User Menu

In the user menu, you can make a wide range of settings to the **ABUS wireless alarm system**. For a detailed description of the main settings, see chapter 5 (for entering and deleting PINs) and chapter 6 (for changing the time and date, entering Follow Me numbers, creating weekly schedules, activating/deactivating local announcements, managing voice messages, and programming macro buttons).

The complete user menu is described in this section.

### Finding your way in the user menu

1. To access the menu, just press 
2. To select a submenu option, press 
3. To exit the menu and return to normal operation, press  repeatedly.
4. To make settings in the user menu, use the numeric buttons or the scroll buttons  and .

For example: To set the time of the **ABUS wireless alarm system**, first press  followed by [6] (Clocks), then [1] (System time) (see section 6.1). You can also go to a menu option by repeatedly pressing  and . For some settings, you need a user PIN or the Grand Master PIN.

The table below shows all functions of the user menu. To select a function, first press the number of the function (1 = Bypass (omit), 2 = Activities 3 = View etc.) and then the number of the submenu (1-1 = Bypass zones, 2-2 = Follow Me, 3-4 = Zone status, etc.). You can also scroll through the menu and submenu options. For further input, read the description or follow the instruction on the LCD display.

Button	Name of function	Description
<b>1 Bypass</b>		
1	Bypass zones	Omits selected system zones. Press  to change the status of the zones. [Y = omit] / [N = reintegrate] Press  to confirm your selection.
2	Bypass reset	All omitted zones are removed.
3	Bypass Recall	Reintegrates omitted zones. This cancels the omit action.
4	Bypass tamper	Hides the tamper alarm of selected zones.

2 Activities		
1	Operate utility output	With the switch outputs, you control external equipment via the <b>ABUS wireless alarm system</b> (a motor-driven garage door, the entrance lighting, etc.).
2	Follow Me	You have two options: [1] Defining the FM number: You can define up to 4 FM numbers. In the event of an alarm, the system will call the defined numbers. For more details, see section 6.2. [2] Stopping the FM number: If you have defined more than one FM number, you can prevent dialling of further numbers. Use this option if an alarm is triggered but it is not necessary to call further FM numbers.
3	Monitoring station control	1) FM Enable – This function starts a call to the command centre. 2) Uebergabe??? – This function tests the telephone connection. 3) U/D Enable – Enables remote dialling of the up/download software by modem.
4	Delete Remote Message	Delete a message sent by the U/D software to the LCD display.
5	Anti-Code	Enter the GM PIN to reset a duress alarm.
6	Duress Restore	Deactivates a permanent switch output that was activated by the input of a duress PIN.

3 View		
1	Trouble	Check here if the <b>ABUS wireless alarm system</b> detects a problem in the system. If there is a fault, the FAULT LED flashes.
2	Alarm memory	The last five alarm situations are stored in the system and displayed in the alarm memory.
3	Partition status	The present state of a partition is displayed.
4	Zone status	The present state of all zones in the system is displayed.
5	Eventlog	All important system events are displayed with date and time.
6	Information	The following information is displayed: [1] Service information: Display of any previously entered service information. [2] System version
4 Maintenance		
1	Testing	This function allows the Grand Master to test the following system elements for three seconds: [1] LCD + buzzer [2] Internal sounder [3] External sounder [4] Loudspeakers [5] Battery [6] Battery voltage (test for batteries only)
2	Walk test	Use the walk test to make a simple operation check of selected zones in your system.
3	Chime control	Checks the system chime and its properties.
4	Buzzer control	Checks the system buzzer and its properties.

5 Codes		
1	User codes	You have four options: [1] Define / change: Here you can enter, edit and delete user PINs as described in section 5.1. [2] Authority: Assign an authority level to user PINs. [3] Partition: Assign user PINs to partitions. [4] Name: Assign names to the user PINs (e.g.: names with max. 10 characters).
2	Remote phone code	A remote access PIN consists of two digits. It is entered to operate the system by telephone. Only the Grand Master can program this PIN.
6 Clocks		
1	System Time	Sets the system time.
2	System Date	Sets the system date.
3	Next arm	Automatically reactivates a deactivated system at a defined time (within the next 24 hours). This setting is deleted after it is carried out. That means that it works only at a specific time.
4	Next disarm	Automatically deactivates an activated system at a defined time (within the next 24 hours). This setting is deleted after it is carried out. That means that it works once only at a specific time.
5	Scheduler	Use this function to schedule automatic actions of the <b>ABUS wireless alarm system</b> . You can define two time windows per day in which your system: – automatically activates/deactivates – controls switch outputs – prevents specific users from deactivating the system. See also section 6.3.1.
6	Vacation	Defines up to 20 holiday periods in which the <b>ABUS wireless alarm system</b> (or your selected partition) is activated.

7 Voice messages		
1	Message structure	Selects the structure in which the messages of the <b>ABUS wireless alarm system</b> are played. You have two options: – [general, event, partition, zone] – [event, partition, zone, general] Press  and  to choose between the two options.
2	Message label	The recording and playback of voice messages to zones, partitions, switch outputs and identification messages if you receive a message by telephone. Apart from making your own recordings, you can assign the zones and partitions to a previously recording name on a list of messages.
3	Test Message	Checks local transmission and telephone transmission of voice messages. [1] Sending a message:??? The transmission of voice messages by telephone is checked by a “test event” being sent to a specific FM telephone number. You first have to choose a telephone number as relevant FM number. [2] Lokale Wiedergabe:??? Local transmission of voice messages is checked by playing back a message locally.
4	Announce Message	Activates/deactivates announcements. See also section 6.4.

8 Macro Keys		
1/2/3	Button [A/B/C]	A command consisting of the combination of several buttons is recorded and assigned to a macro button. See also section 6.6.
9 Installer		
1	Full programm	The full program??? menu enables full access to all program options of the <b>ABUS wireless alarm system</b> .
2	Partial programm	Enables restricted access to the program options of the <b>ABUS wireless alarm system</b> .

**NOTE:**

For further information about the installer program functions, see the installation instructions.

## Chapter 8 Standby batteries

The **ABUS wireless alarm system** has 6 standby batteries. These supply electricity in the event of a power failure.

You can use the following batteries:

<b>Non-rechargeable batteries:</b>	Size AA, 1.5 VDC alkaline
<b>Rechargeable batteries:</b>	Size AA, 1.2 VDC cells

### NOTE:

**The batteries supplied by the manufacturer are rechargeable batteries with min. 800mAh.**

When the batteries are low and have to be recharged or replaced, the following message is played: “**Low Battery. Trouble**”

In this case, note the following:

#### For non-rechargeable batteries:

1. Remove the battery casing from the rear of the system.
2. Replace all batteries. Use only batteries of the same type. Check the battery polarity – it must be as shown on the housing.
3. Fix the battery casing to its location. The message “**Low Battery. Trouble**” should disappear within 15 minutes.

### NOTE:

It is possible that the battery casing is locked with a screw.

#### For rechargeable batteries:

1. After replacing rechargeable batteries, recharge them for at least 24 hours.
2. When changing batteries, follow the instructions under “Changing non-rechargeable batteries”.

#### IMPORTANT:

1. When replacing batteries, make sure you use the same type. If you do not observe this rule, considerable damage may result for you and/or the system.
2. Exchanging rechargeable batteries for non-rechargeable batteries (or vice versa) can also cause damage. If you want to do this, you first have to re-plug the battery jumper. For further details, see the installation instructions.
3. Dispose of used batteries according to local regulations.

# Chapter 9 Appendix

## 9.1 Appendix A: System troubles

To search for system faults, press and . The opening message “**System troubles**” is announced. This is followed by a list of current fault messages. If the fault list is empty, you hear the message “**No System troubles**”.

The following table describes system faults (with possible solutions).

Trouble	Description	LCD display	Message	Solution
<b>Main faults</b>				
Auxiliary failure	The group output of the alarm system, which is used for supplying assigned devices (e.g. motion sensor) with electricity, has failed.	TROUBLE: MAIN: AUX TRBL	"Auxiliary failure"	Switch off all power to the system. Check the connection. Max. load of output 200mA.
Bell loop trouble	The external sounder is disconnected.	TROUBLE: MAIN: BELL LOOP	"Bell loop trouble"	Switch off all power to the system and check the sounder connection.
Clock not set	The system clock shows neither time nor date.	TROUBLE: System clock	"Clock not set"	Set the time and date. See section 6.1.
False code trouble	If programmed, your system displays the input of an invalid PIN code as a fault.	TROUBLE: FALSE CODE P=1 (P=1 refers to the partition for which the invalid code was entered.)	"False code trouble"	If the fault was displayed, it is automatically reset by the system.
Loss of AC power	The power supply has failed. The system is operated on standby batteries as long as possible.	TROUBLE: MAIN: AC TROUBLE	"AC loss"	Check the system power supply. Make sure that the power supply is not interrupted or switched off.
Low battery	The capacity of the battery is low or the battery is dead. It must be recharged or replaced.	TROUBLE: MAIN: LOW BATT	"Low battery trouble"	Replace the battery as described in chapter 8.

Phone line Failure	The telephone line is either damaged or not in operation.	TROUBLE: PHONE LINE	"Telephone line failure"	If the telephones in your building do not work, contact your security service. Or contact your local telephone company.
Receiver jamming trouble	An HF signal is blocking the channel used by the sensors for communication with the alarm system.	TROUBLE: FM JAMMING	"Wireless receiver jamming"	Recalibrate the receiver. Increase the setting of the time for the jamming. Check the installation location.

### FAULTS IN THE WIRELESS ZONES

Zone loss trouble	The system has received no signal within a specific time.	Z=01 :LOST ZONE 1	"Zone loss [Zone X]"	Check the detector batteries and run a communication test.
Low battery zone trouble	The <b>ABUS wireless alarm system</b> has detected a weak battery in a wireless transmitter in a specific zone.	Z=01 :LB ZONE 1	"Low battery [Zone X]"	Change the battery in the wireless transmitter reported.

## 9.2 Appendix B: Audible signals

In addition to the visible LED, your system generates audible tone signals following specific events.

Event	Tone signal
<b>Intrusion alarm</b>	Fast continuous beeps
<b>Fire alarm</b>	Fast, staggered beeps (see note 2)
<b>Keypad police emergency</b>	Fast beeps (see note 1)
<b>Keypad fire emergency</b>	Fast, staggered beeps (see note 2)
<b>Keypad med. care emergency</b>	No audible signal
<b>Arming/Disarming</b>	If performed correctly, a short audible signal sounds. If arming is not possible, three fast beeps are heard (see note 2).
<b>Countdown of entry delay period</b>	Slowly repeated tones until the entry delay countdown expires (see note 2).
<b>Countdown of exit delay period</b>	Slowly repeated tones until the exit delay countdown expires (see note 2).
<b>Correct/incorrect input of data or button sequence</b>	If performed correctly, a short audible signal sounds. Three fast beeps if the input is incorrect or the menu option cannot be selected (see note 2).
<b>Chime signal</b>	A two-second-long tone signal (see note 3)

### NOTES:

1. In the installer menu, under System Control, you define whether a panic alarm is silent – i.e., reported by telephone only – or whether it also generates a local alarm.
2. The operating panel emits a beep during the countdown of the entry/exit delay. Operating panel fire alarm, operating panel error and operating panel confirmations are deactivated. These beeps can be deactivated at the user's request.
3. Any zone can be programmed with the property: door chime. If this zone is opened during a deactivated state, this event is announced by the operating panel (by a chime). The chime can be disabled.

### 9.3 Appendix C: Scheduler

Use the following table to create a schedule (for a week).

**Weekly schedule No.:** \_\_\_\_\_

**Name of schedule:** \_\_\_\_\_

<b>Type of schedule</b>		<b>Parameter meanings</b>					
<b>Activated/ deactivated</b> <input type="checkbox"/>		Partition	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	Activation mode: <input type="checkbox"/> External <input type="checkbox"/> Internal	
<b>Partition</b> <input type="checkbox"/>		1. SO No.:	3. SO No.:			4. SO No.:	
		2. SO No.:					
		NOTE: In the weekly schedule of the SO (switch output), you can define a separate time for a holiday.					
<b>User deactivation restriction</b> <input type="checkbox"/>		User #	Name		User #	Name	
		NOTE: You can select any user in the system.					
<b>Day</b>		Start time 1 HH:MM	Stop time 1 HH:MM		Start time 2 HH:MM	Stop time 2 HH:MM	
<b>Sunday</b>							
<b>Monday</b>							
<b>Tuesday</b>							
<b>Wednesday</b>							
<b>Thursday</b>							
<b>Friday</b>							
<b>Saturday</b>							

## 9.4 Notes

