

User Manual

Pegasus 70xx Series

Pegasus 7000 Type G7-C010-*Q*1/0000

Pegasus 7010^{ex} Type 17-C110-*Q*1/0000

Pegasus 7020^{ex} Type B7-C210-*Q*1/0000

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Technical subject to change!

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Notes on this manual



Important

Read carefully before putting the devices into operation.

The user manual is a constituent part of the product and must be kept in the direct vicinity of the device and accessible at all times to installation, operating and maintenance personnel.

It contains important notes, safety instructions and test certificates which are necessary for perfect functioning when the devices are being operated and handled. It is written for technically qualified personnel.

Familiarity with and the technically perfect implementation of the safety instructions and warnings described in this manual are preconditions for safe installation and commissioning. The safety notes and warnings given in this documentation are given in a general way and only qualified personnel will have the necessary specialized know-how to interpret and implement them correctly in specific cases.

Qualifications of the personnel working with the devices

The user manual is written for all people who carry out assembly, installation, commissioning and service work on the product, whereby the directives and standards must be observed.

For Europe:

99/92/EC, EN 60079-17, EN 60079-19 for the gas area
EN 61241-17 and EN 61241-19 for the dust area

For North America:

NEC 500.

For other countries or regions:

National directives and standards must be observed.

Changes to the document

BARTEC reserves the right to alter the contents of this document without notice. No guarantee is given for the correctness of the information. In case of doubt the German safety instructions shall apply because it is not possible to rule out errors in translation or in printing. In the event of a legal dispute, the "General Terms and Conditions" of the BARTEC group shall apply in addition.

The respective up-to-date versions of data sheets, manuals, certificates, EC Declaration of Conformity may be downloaded from the "Ex Visualization and Communication Systems" product page at www.bartec-group.com or ordered directly from BARTEC GmbH.

Handing the Product

The documents are currently available in German and English.

The product described in this manual has been tested and left the factory in perfect condition as regards meeting safety requirements.

To maintain this condition and ensure that this product operates perfectly and safely, it may be used only in the manner described by the manufacturer. Appropriate transportation, suitable storage and careful operation are also essential for the perfect and safe operation of this product.

Use for the Intended Purpose

The Pegasus 70xx series has been constructed in conformance to the latest technical developments and the recognized safety regulations. Nevertheless, its use can still cause danger to life and limb of the user or damage the device and other property.

The Pegasus 70xx series is available in three versions:

Pegasus 7000 Type G7-C010-*Q*1/0000

was developed for use in non Ex environment.

Pegasus 7010^{ex} Type 17-C110-*Q*1/0000

was developed specially for use in hazardous areas in ATEX Zone 1 / 21, IECEx and UL Class I, II, III Division 1.

Pegasus 7020^{ex} Type B7-C210-*Q*1/0000

was developed specially for use in hazardous areas in ATEX Zone 2 / 22 and UL Class I, II, III Division 2.

The manufacturer will not be liable for any ensuing damage. The risk shall be borne by the user alone. Use for the intended purpose requires also the observation of the operating instructions. Only people who are familiar with the Pegasus 70xx series and instructed about the risks it poses may use it or do any maintenance work on it.

Safety Instructions



**Read carefully
before putting
the devices
into operation.**

Safety instructions and warnings are specially highlighted in this manual and marked by symbols.

The safety instructions and warnings are assigned to the individual work steps. Careful handling and consistent observation of the instructions will prevent accidents, personal injuries and damage to property.

The adherence to all directions and safety instructions in this manual is a precondition for safe working and the correct handling of the device.

The graphic representations in these instructions serve to show the information being described and are not necessarily true to scale and they may deviate slightly from the actual construction of the device.

Marking

Particularly important points in these instructions are marked with a symbol:



Danger!

Non-observance leads to death or serious physical injury. The necessary safety measures must be taken.



Caution!

Warning of damage to property and financial and penal disadvantages (e.g. loss of guarantee rights, liability etc.).



Attention

Important instructions and information on preventing disadvantageous behavior.



Note

Important instructions and information on effective, economical and environmentally compatible handling.

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1 Product Description

1.1 Definition

PEGASUS 70xx series - the All in One Solution

PEGASUS is the new mobile phone/online tracking system for industry. It is perfect for utilization in extreme conditions in the chemicals and pharmaceuticals industries and also in the oil and gas industry. PEGASUS is robust, simple to use and comes in an attractive distinctive design. „Made by BARTEC“ stands for top quality, long product availability and excellent service.

PEGASUS 70xx series is available in different models and is the optimal mobile phone for every region and every field of application:

- **PEGASUS 7000** (industrial version)
- **PEGASUS 7010^{ex}** (ATEX Zone 1,2, 21,22, IEC Ex ; UL Class I, II, III, Div 1, Div 2)
- **PEGASUS 7020^{ex}** (ATEX Zone 2, 22 ; UL Class I, II, III Div 2)



Figure 1: Pegasus 70xx series

User-friendly keyboard

The keyboard is generously dimensioned and offers enough space for steady operation, even with gloves. To prevent operating errors, all keys give tactile feedback in the form of a click.

Quad Band GSM Module

PEGASUS knows no boundaries. With the Quad Band GSM module (850/900/1800/1900 MHz) the device is ideally equipped for utilization on all continents.

Hands-free function

Workplace safety is the keyword where simultaneous working and phoning are concerned. PEGASUS has a convenient hands-free function and emits a vibration alarm at the same time as the ring tone.

Professional Online Tracking System

GPS receivers and special software make PEGASUS an efficient online tracking system. The „history“ function provides a map showing movement along a route. This opens up new possibilities for transporters of hazardous goods and other logistical tasks. You can choose to store and evaluate the PEGASUS data on your own server or use the server BARTEC has set up especially for it.

Man down function

PEGASUS is the perfect mobile phone for protecting individuals in extreme areas. The fitted sensor (motion detection) reacts to the absence of movement and triggers an online alarm after a defined period of time. The device is located by means of GPS. A flag on a scalable map shows the location detected. The alarm including the GPS position data can also be forwarded as a text message or as a voice message on a phone.

Bright display

The OLED Full Color Display promises good legibility at all times, even in bad lighting conditions.

Long talk time

The unusually long talk time is based on a high performance, rechargeable lithium polymer battery.

2 Specification Pegasus 70xx series

2.1 Specification Pegasus 7000, type G7-C010-*Q*1/0000

2.1.1 Marking

Type	G7-C010-*Q*1/0000
Marking	CE marking
Standards	EN 60950-1
Directives	-

2.2.1 Technical data





Display	OLED color display
Networks	Quad Band GSM 850/900/1800/1900 MHz
Dimensions (Height x Width x Depth)	155 mm x 59 mm x 27 mm
Weight	approx. 240 g
IP rating	IP 65
Ambient temperature	-20 °C to +60 °C
Storage and transport temperature	-20 °C to +60 °C
Charging temperature	0 °C to +50 °C
Air humidity	5 % up to 95 % (non-condensing)
GSM module	Telit GE864
Power supply	lithium polymer battery 3,7 V/2650 mAh
Interfaces	mini USB
Audio system	microphone and speaker integrated
Antennas	integrated in the device (GPS and GSM)
Scope of supply	includes battery, charger and USB transmission cable
Accessories	<ul style="list-style-type: none"> - Desktop charger - Holster - Micro SD card 1 GB or 2 GB

2.2 Specification Pegasus 7010^{ex}, type 17-C110-*Q*1/0000

2.1.2 Ex protection marking



Type	17-C110-*Q*1/0000	
Ex protection type (ATEX Zone 1 / 21)		II 2G Ex ib IIB T4 II 2D Ex ibD21 T130°
Product marking		
Certification	Demko 10 ATEX 0911055X	
Ex protection type (IECEX)	Ex ib IIB T4 Gb II 2D Ex ibD21 T130°	
Certification	IECEX UL 10.0003X	
Ex protection type (UL)	Class I, II, III Div 1, Groups C-D and F-G, T4	
Certification	E 321557	
Standards	UL 913, Seventh Edition (referencing UL 60079-0, Fourth Edition and UL 60079-11, First Edition) CAN/CSA C22.2 No. 157-92 UL 60950-1, First Edition CSA C22.2 60950-1, First Edition EN 60079-0:2009 EC 60079-0:2007 EN 60079-11:2007 IEC 60079-11:2006 DE 0825-1:2004 VDE 0825-11:2007	
Directives	94/9/EC	

2.2.2 Technical data

Display	OLED color display
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Interfaces	mini USB
Audio system	microphone and speaker integrated
Antennas	integrated in the device (GPS and GSM)
Scope of supply	includes battery, charger and USB transmission cable
Accessories	Desktop charger, Holster, Micro SD card 1 GB or 2 GB

2.3 Specification Pegasus 7020^{ex}, type B7-C210-*Q*1/0000

2.1.3 Ex protection marking

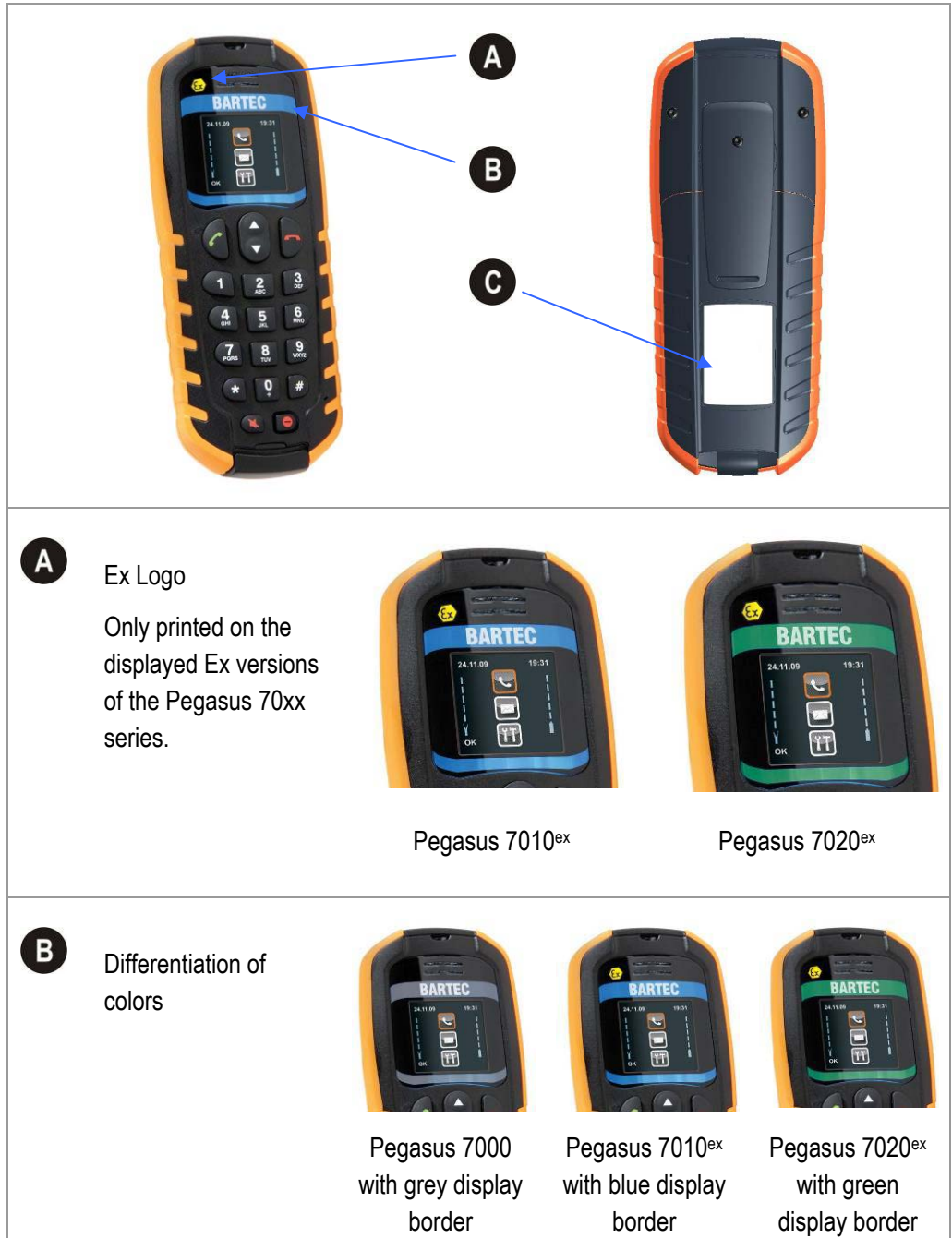


Type	B7-C210-*Q*1/0000	
Ex protection type (ATEX Zone 2 / 22)	⊕Ex	II 3G Ex ib IIC T4 II 3D Ex ibD22 T130°
Product marking	CE	
Certification	Demko 10 ATEX 147282X	
Ex protection type (IECEX)	II 3G Ex ic IIC T4 Gc II 3D Ex icD22 T130°	
Certification	IECEX UL 10.0004X	
Ex protection type (UL)	Class I, II, III Div 2, Groups C-D and F-G, T4	
Certification	E 321557	
Standards	UL 913, Seventh Edition (referencing UL 60079-0, Fourth Edition and UL 60079-11, First Edition) CAN/CSA C22.2 No. 157-92 UL 60950-1, First Edition CSA C22.2 60950-1, First Edition EN 60079-0:2009 IEC 60079-0:2007 EN 60079-11:2007 IEC 60079-11:2006 DE 0825-1:2004 VDE 0825-11:2007	
Directives	94/9/EC	

2.2.3 Technical data

Display	OLED color display
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Ambient temperature	-20 °C to +60 °C
Storage and transport temperature	-20 °C to +60 °C
Charging temperature	0 °C to +50 °C
Air humidity	5 % up to 95 % (non-condensing)
GSM module	Telit GE864
Power supply	lithium polymer battery 3,7 V/2650 mAh
Interfaces	mini USB
Audio system	microphone and speaker integrated
Antennas	integrated in the device (GPS and GSM)
Scope of supply	includes battery, charger and USB transmission cable
Accessories	Desktop charger, Holster, Micro SD card 1 GB or 2 GB

2.4 Product Marking



C Type label

3 Safety and Security



Note

For an efficient and safe operation of your Pegasus 70xx series, it is important that you read this information before use!

Your Pegasus 70xx series is one of the most exciting and innovative electronic products ever developed. With it, you can stay in contact with your office, your home, emergency services and others, wherever service is provided.

This chapter contains important information on the safe and reliable use of the Pegasus 70xx series device. Please read this chapter carefully before starting to use the Pegasus 70xx cellular engine series.

3.1 General Information

Your Pegasus 70xx series device utilizes the GSM standard for cellular technology. GSM is a newer radio frequency („RF“) technology than the current FM technology that has been used for radio communications for decades. The GSM standard has been established for use in the European community and elsewhere. Your Pegasus 70xx series is actually a low power radio transmitter and receiver. It sends out and receives radio frequency energy. When you use your modem, the cellular system handling your calls controls both the radio frequency and the power level of your cellular modem.

SIM cards, not included in the scope of delivery of the device, are needed for using the acquired devices. The SIM cards can be obtained e.g. from specific providers. The use of the SIM cards can result in additional costs, which must be borne by the purchaser (customer) of the devices. The seller does not cover the extra costs involved in using the devices. The seller gives no recommendation on the use of specific SIM cards and does not give any assurance either that the devices will be usable with all available SIM cards. The seller will not cover any other costs incurred when this device is used in a customer's application.

3.2 Notes of Handling

**The device is factory-sealed. Do not open it!
The device may be opened in the factory only!**



Danger!

Protect the device from impact effects! Do not expose the equipment to corrosive/aggressive liquids, vapors or mist! Take the equipment out of the hazardous area immediately if it malfunctions or if the enclosure is damaged and bring it into the safe area to put it out of operation!

Put the device out of operation immediately also if you suspect that the operating equipment can no longer be operated safely after harmful effects or general irregularities (e.g. penetration of water, fluids, effect of temperatures outside the specified range etc.).



Caution!

Do not open or charge the devices and do not exchange any data through the listed equipment in the hazardous area!

The device may not be opened by the user outside the hazardous area either!

The user may not make any alterations to the device. Do not exchange or replace components and do not retrofit any components on internal plug connectors or slots. If components other than those specified are used, the protection against explosions can no longer be assured.

Exception:

SIM card, Micro SD card and battery door (see chapter 4 "Commissioning")

Remove the display protection of the Pegasus before use in hazardous location.

Take the device out of the hazardous areas before wiping it with a dry cloth or cleaning it!

Avoid the effects of moisture.

Avoid the influence of heat that is higher or lower than the specified temperature range (see chapter 2 "Technical Data"). Do not place the devices anywhere near sources of heat, such as for example heaters, air exit openings in air-conditioners, or near cookers or other devices (including amplifiers) that radiate heat.

The rules for hazardous areas (see directive 99/92/EC) must be observed. In particular, appropriate clothing and footwear should be worn in view of the risk of dangerous electrostatic charges. Do not wear rubber gloves or suchlike during operation!

General statutory regulations or directives on safety at work, accident prevention regulations and environmental protection legislation must be complied with, e.g. Ordinance on industrial health and safety (BetrSichV) or the national ordinances.

3.3 Battery Safety

The safety rules below are applied for the internal battery. Mistreating the battery may cause the battery to get hot, crack, or inflame and cause serious injury. In order to avoid any damage and extend the life expectancy of the battery, please follow the safety rules listed below before using the **Pegasus 70xx series** device:



Danger!

The battery may only be charged with listed chargers outside the hazardous area!

Charge and change battery only in an area known to be non-hazardous. Use only BARTEC Models what are listed in chapter "3.4 Health and Safety recommendations" for charging and communication or equivalent.

It must be ensured that only original batteries of the type 17-C1Z0-0001 with 3.7 V/2650 mAh are used in safety-oriented operation. The use of imitation batteries or batteries from other manufacturers will render the type of ignition protection ineffective and there will then be a risk of fire or explosion.

The battery should only be used for the purposes stated in the user manual and is only suitable for use with Pegasus 70xx series.

The battery should not be exposed to any temperatures higher than +60 °C.

Do not place the battery on, in or near fires, apparatus that provide heat, or other high-temperature locations.

Do not place the battery in direct sunshine or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, crack, or inflame. Using the battery in this manner may also result in a loss of performance.

Do not attach the battery to a power supply plug or directly to a car's cigarette lighter.

Do not pierce the battery with nails, strike the battery with a hammer, step on the battery, or otherwise subject it to strong impacts or shocks.

Do not solder onto the battery contacts.

Do not allow the battery to get wet.

Do not disassemble or modify the battery.

Immediately discontinue use of the battery if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, or appears abnormal in any other way.

Do not place the batteries in microwave ovens, high-pressure containers, or on induction cookware.

In case the battery drips and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately look for medical care. If left untreated the battery fluid could cause damage to the eye.

Defective batteries must be disposed of immediately, whereby the battery disposal regulations that apply to the respective region must be observed.



Caution!

Safety precautions while charging the battery.

Be sure to follow the rules listed below while charging the battery. Failure to do so may cause the battery to become hot, rupture, or ignite and cause serious injury.

When charging the battery, make sure to observe the specified battery charging conditions. The temperature range within which the battery can be charged is 0°C to +50°C. Charging will be interrupted if the ambient temperature drops below or exceeds this range.



Caution!

Safety precautions while discharging the battery.

The temperature range for discharging the batteries is -20°C to 60°C. Use of the battery outside this temperature range may damage the performance of the battery or reduce its life expectancy.



Caution!

3.4 Health and Safety recommendations



Danger!

Use only approved accessories.

All components must be dry before they may be connected to an external power supply.

It is only permitted to use by BARTEC approved accessories for charging or/and data communication.

17-C1Z0-0001	Battery 3,7 V / 2650 mAh
17-C1Z0-0002	Charging cable
17-C1Z0-0003	USB data communication cable
17-C1Z0-0004	leather holster
17-C1Z0-0005	Desktop charger
17-C1Z0-0006	Car charging cable
17-C1Z0-0007	Micro SD card with 1 GB
17-C1Z0-0008	Micro SD card with 2 GB

These accessories are modified in accordance to the necessary standards.

The use of imitation accessories or accessories from other manufacturers will render the type of ignition protection ineffective and there will be a risk of fire or explosion.

3.5 Exposure to RF energy

There has been some public concern about possible health effects of using a GSM modem. Although research on health effects from RF energy has focused for many years on the current RF technology, scientists have begun research on newer radio technologies, such as GSM. After reviewing existing research and testing compliance with all applicable safety standards, it has been concluded that the product is fit for use.

If you are concerned about exposure to RF energy, there are things you can do to minimize exposure. Obviously, limiting the duration of your calls will reduce your exposure to RF energy. In addition, you can reduce RF exposure by operating your cellular modem efficiently by following the guidelines below.

3.6 Driving

Check the laws and regulations on the use of cellular devices in the area where you drive. Always obey them. Also, when using your Pegasus 70xx series while driving, please pay full attention to driving, pull off the road and park before making or answering a call if driving conditions so require. When applications are prepared for mobile use, they should comply with road-safety rules under applicable laws!

3.7 Electronic devices

Most electronic equipment, for example in hospitals and motor vehicles is shielded from RF energy. However, RF energy may affect some malfunctioning or improperly shielded electronic equipment.

3.8 Vehicle electronic equipment

Check with your vehicle manufacturer's representative to determine if any on board electronic equipment is adequately shielded from RF energy.

3.9 Medical electronic equipment

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn your Pegasus 70xx series device **OFF** in health care facilities when any regulations posted in the area instruct you to do so. Hospitals or health care facilities may be using RF monitoring equipment

3.10 Aircraft

Turn your Pegasus 70xx series OFF before boarding any aircraft. Use it on the ground only with crew permission. Do not use it in the air. To prevent possible interference with aircraft systems, Federal Aviation Administration (FAA) regulations require you to have permission from a crewmember to use your modem while the plane is on the ground. To prevent interference with cellular systems, local RF regulations prohibit the use of your modem whilst airborne.

3.11 Children

Do not allow children to play with your Pegasus 70xx series device. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna, for example). Children could damage the modem or make calls that increase your modem bills.

3.12 Blasting areas

To avoid interfering with blasting operations, turn your device OFF when in a "blasting area" or in areas posted: „turn off two-way radio“. Construction crew often uses remote control RF devices to set off explosives.

3.13 Potentially explosive atmospheres

Turn your Pegasus 70xx series device **OFF** when in any area with a potentially explosive atmosphere. It is rare, but your modems or their accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas such as petrol stations; below decks on boats; fuel or chemical transfer or storage facilities; and areas where the air contains chemicals or particles, such as grain, dust or metal powders.

Do not transport or store flammable gas, liquid or explosives, in the compartment of your vehicle which contains your modem or accessories.

Before using your modem in a vehicle powered by liquefied petroleum gas (such as propane or butane) ensure that the vehicle complies with the relevant fire and safety regulations of the country in which the vehicle is to be used.

- Pegasus 7000 is intended for use in industrial environment
- Pegasus 7010^{ex} is intended for use in hazardous locations (Zone 1/21 or IECEx Zone 1/21 or Class I, II, III Division 1 or Zone 2/22 or IECEx Zone 2/22 or Class I, II, III Division 2)
- Pegasus 7020^{ex} is intended for use in hazardous locations (Zone 2/22 or IECEx Zone 2/22 or Class I, II, III Division 2)

3.14 Safety Standards

Your GSM/GPRS/GPS device complies with all applicable RF safety standards. Pegasus 70xx series meets the safety standards for RF receivers and the standards and recommendations for the protection of public exposure to RF electromagnetic energy established by government bodies and professional organizations, such as directives of the European Community, Directorate General V in matters of radio frequency electromagnetic energy.

3.15 RF Exposures

This device contains 850/900/1800/1900 MHz GSM/GPRS functions that are operational in these frequencies respectively. The Pegasus 70xx series device contains 1800 MHz GSM functions that are not operational (must not be used) in U.S. Territories. Filing is only applicable for 850MHz GSM/1900 MHz PCS operations, whereby only these frequencies (850MHz GSM/1900 MHz PCS) may be used in U.S. Territories.

Statement according to FCC part 15.19:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Statement according to FCC part 15.21:

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

Statement according to FCC part 15.105:

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

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

3.16 Statement of the UL

The statement "Underwriters Laboratories Inc. (UL) has not tested the performance or reliability of the Global Positioning System (GPS) hardware, GPS operating software or other GPS-related aspects of this product. UL has only tested for the explosion, fire, shock and casualty hazards required by the applicable hazardous locations standards. UL certification does not cover the performance or reliability of the GPS hardware, GPS operating software or other GPS-related aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY GPS RELATED FUNCTIONS OF THIS PRODUCT."

4 Commissioning

4.1 Purchased parts in packages

Before commissioning the devices, check that all components and documents are there.

- Pegasus 70xx Mobile Phone
- Battery
- Charger cable
- USB-Data cable
- CD-ROM (User Manual, Phonebook software, Tracking software)
- Safety instructions

4.2 Functional Parts of the device



Figure 5: Pegasus 7010^{ex} front side

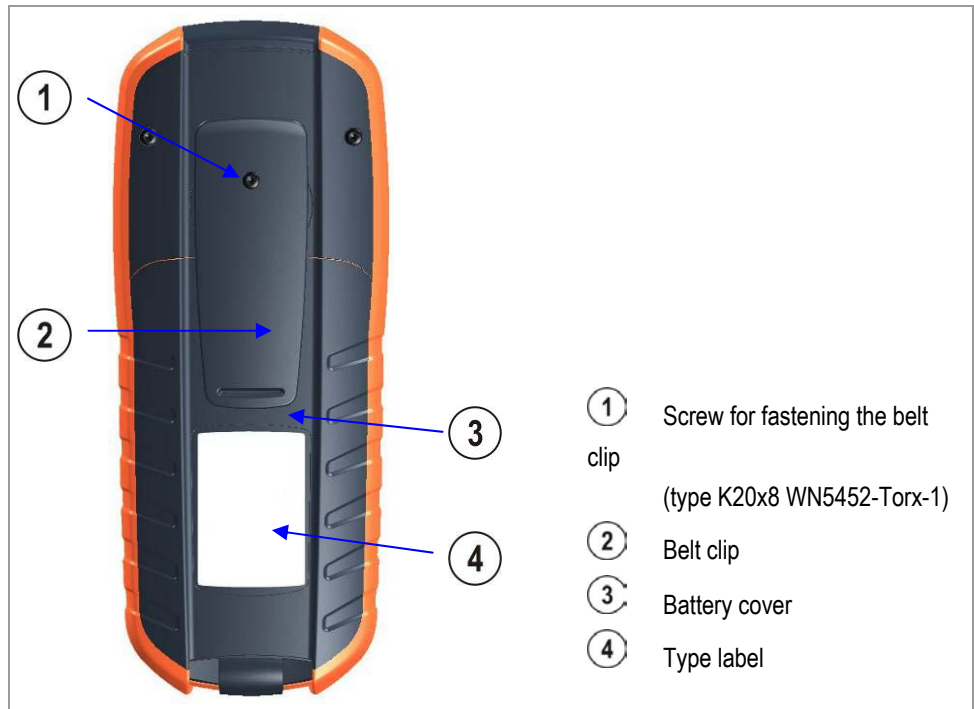


Figure 6: Pegasus 7010^{ex} rear side

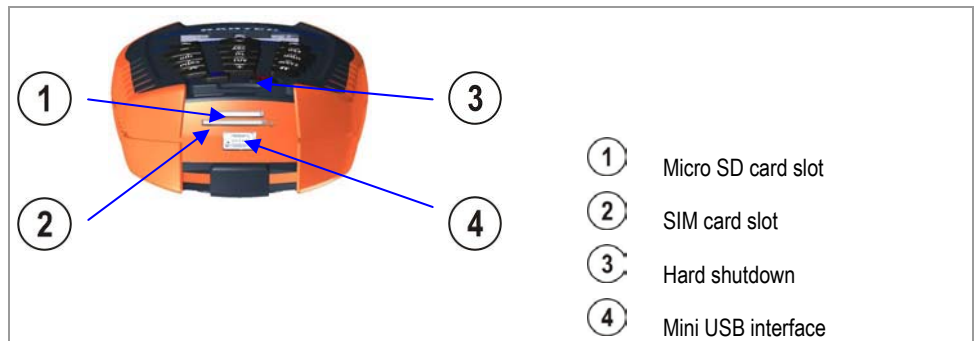


Figure 7: Pegasus 70xx cover

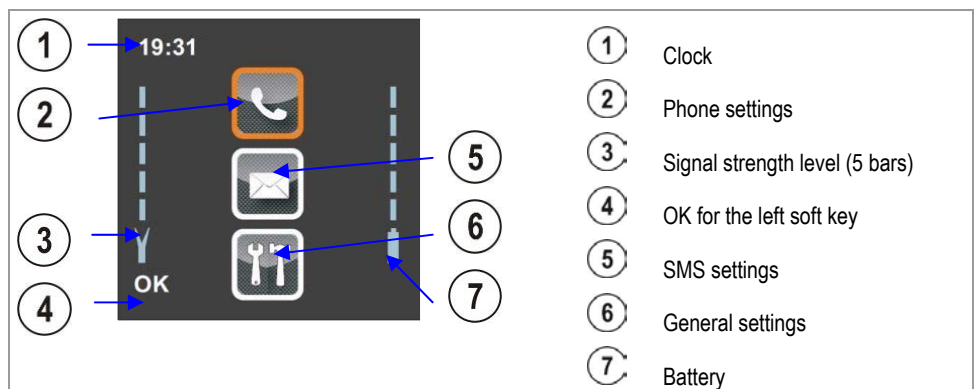


Figure 8: Pegasus 70xx start screen

4.3 Fastening and Changing the belt clip



Danger!

The belt clip may only be fastened or changed outside the hazardous area!

- Put the belt clip into the slot of the back of the Pegasus 70xx
- Turn the belt clip in position as shown in figure 10
- Tighten the screw (type K20x8 WN5452-Torx-1) to fix the belt clip on the Pegasus 70xx.



Figure 9: Pegasus 70xx without belt clip

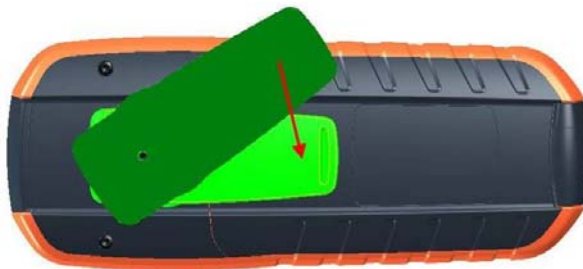


Figure 10: Pegasus 70xx fastening belt clip

4.4 Inserting and changing the battery



Danger!

Charge and change battery only in an area known to be non-hazardous. Use only BARTEC Models what are listed in chapter "3.4 Health and Safety recommendations" for charging and communication or equivalent.

- ➔ Turn your Pegasus **Off** before you change the battery
- ➔ Loosen the screw (type K20x8 WN5452-Torx-1) on the belt clip
- ➔ Remove the belt clip as described in chapter 4.3.
- ➔ Lift the battery cover off the position marked red in figure 11.
- ➔ Insert or remove the battery from the battery door.
- ➔ Close the battery door
- ➔ Fasten the belt clip as described in chapter 4.3.



Figure 11: Pegasus 70xx battery cover



Figure 12: Pegasus 70xx without battery cover

4.5 Charging the battery



Danger!

The battery may only be charged with listed chargers outside the hazardous area!

- Open the cover to access the connections.
- Connect the charger cable to the mini USB slot as shown on figure 14.
- The charging status of the battery is shown on the right side of the screen.
- After charging, remove the mini USB cable and close the cover.



Figure 13: Pegasus 70xx open cover



Figure 14: Pegasus 70xx open cover

4.6 Inserting the Micro SD-card



Danger!

The Micro SD-card may only be inserted or changed outside the hazardous area!

- Turn your Pegasus **Off**
- Open the cover to access the connections.
- Insert the micro SD-card into the slot as shown in figure 16.
- Close the cover.



Figure 15: Pegasus 70xx open cover



Figure 16: Pegasus 70xx micro SD card slot

4.7 SIM card



Danger!

The Micro SD-card may only be inserted or changed outside the hazardous area!

- Turn your Pegasus **Off**
- Open the cover to access the connections.
- Insert the SIM card into the slot as shown in figure 18.
- Close the cover.



Figure 17: Pegasus 70xx open cover



Figure 18: Pegasus 70xx SIM card slot

5 Operation

5.1 Getting started

You are now ready to use your Pegasus 70xx for the first time.

Switch on the Pegasus by pressing the Power ON/OFF key. A start screen appears. When you switch on your phone for the first time, you must configure it with various settings that will remain by default until you choose to modify them.

After entering your PIN code, make your choice for the following settings: ring tone, sound volume, hands-free, vibration, clock/date, man down function, tracking, etc.

If there are contacts saved in your SIM card, you can copy them into the phonebook memory.

5.1.1 PIN number

This is a secret code for the SIM card. If access to the SIM card is protected, the device prompts you to enter the PIN number. Enter the 4-digit PIN or customized code and confirm it with OK.

For security reasons these digits will not appear on the screen.

If the SIM code is not accepted or the card is not recognised, turn the Pegasus Off and check that the SIM card is inserted correctly in your Pegasus.

If an incorrect PIN number is entered three times in succession, your SIM card will be blocked. In this case you must do the following:

- Enter the PUK code provided by your operator.
- Enter your PIN number and validate the entry.
- Enter your PIN number again and validate the entry.

After 5 or 10 failed attempts, depending of the type of your SIM card, the SIM card will be irrevocably locked. In this case you must contact your operator or provider to obtain a new card.

5.2.1 Navigation Principle

Only 3 keys are needed to navigate through the different menus.

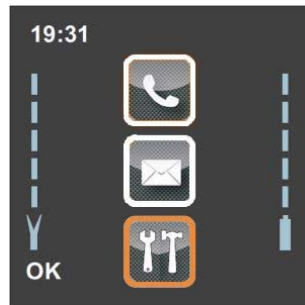
In the menus, a title bar reminds you of the previous level.

Left soft key
(to call or OK)



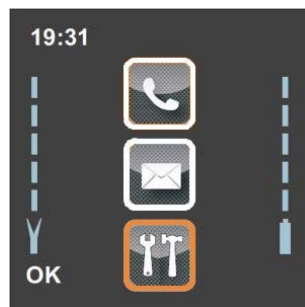
Right soft key
(to hang up or Back)




2-way navigation key



- The 2-way navigation key is for the selection of a menu entry.
- The left soft key is used to go from a menu to a sub-menu.
- The right soft key is used to go from a sub-menu to a higher-level menu.



5.3.1 General Settings




Use the 2-way navigation key  to select the  settings menu and press the left soft key  to enter the menu for customising your Pegasus 70xx.





Different menus are available for customising your Pegasus 70xx.


You can select a menu with the 2-way navigation key  and enter the menu by pressing the left soft key .

You can exit the sub-menu by pressing the right soft key .

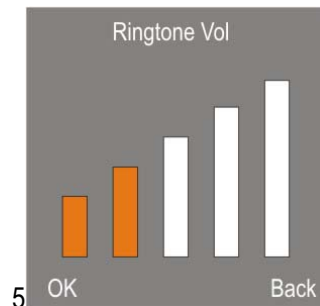
5.1.3.1 Ringtone






Use the 2-way navigation key  to select your ring tone and confirm it with the left soft key .

You can exit the sub-menu by pressing the right soft key .


5.1.3.2 Sound volume



Use the 2-way navigation key  to change the volume and confirm with the left soft key .



 loud


 low

You can exit the sub-menu by pressing the right soft key .

5.1.3.3 Vibration






Use the 2-way navigation key  to select Vibration On or Off and confirm it with the left soft key .

You can exit the sub-menu by pressing the right soft key .

5.1.3.4 Geofence






Use the 2-way navigation key  to select Geofence On or Off and confirm it with the left soft key .

You can exit the sub-menu by pressing the right soft key .

5.1.3.5 Tracking





Use the 2-way navigation key  to select Tracking On or Off and confirm it with the left soft key .

You can exit the sub-menu by pressing the right soft key .

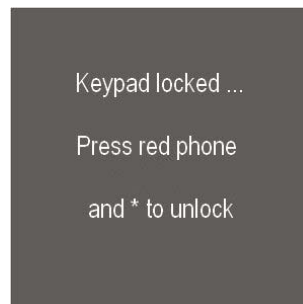
5.1.3.6 Clock setting


5.4.1 Key lock

You can lock and unlock the keypad with keypad shortcuts.

To lock or unlock, press the right soft key  and the star key .

If the Pegasus 70xx is not in use for longer than 1 minute, the device will switch to screen saving mode and lock the keys.



When the device is locked and you press a key, the Press  and  key message appears.



Locked keys:

You will see the screensaver.



5.2 Phone settings

5.1.2 Making a call

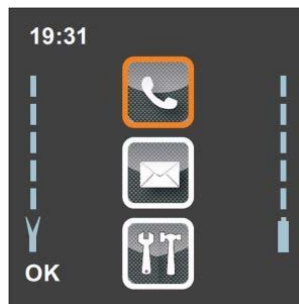
You have different options to establish a call:




- Start dial from the start screen.
- Start dial from the menu dialpad.
- Dial a number from the Phonebook or the SIM card.

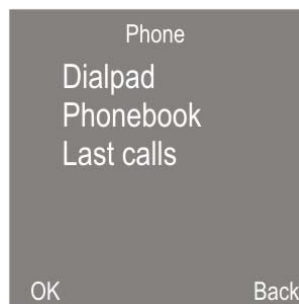
5.2.2 Starting dialing from the start screen



- Begin to dial the number when you are in the start screen. Press the  left soft key to start the dialling process.
- You can cancel or stop the call by pressing the right soft key .

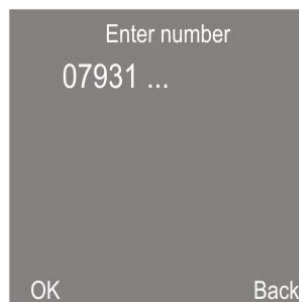
5.3.2 Starting dialing from the menu





Use the 2-way navigation key  to select the  phone menu and press the left soft key  to enter the menu.



Use the 2-way navigation key  to select the "Dialpad" menu and press the left soft key  to enter the sub-menu.






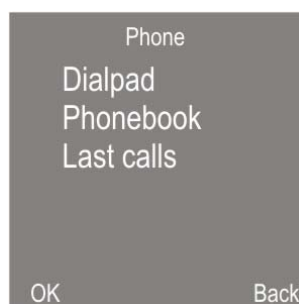
Dial a number and press the left soft key  to start the dialling process.



You can cancel or stop the call by pressing the right soft key .

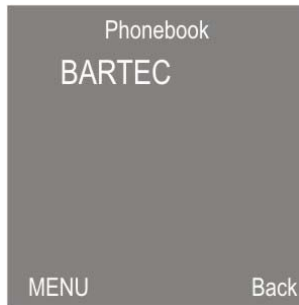
5.4.2 Dialing a number from the Phonebook





Use the 2-way navigation key  to select the  phone menu and press the left soft key  to enter the menu.




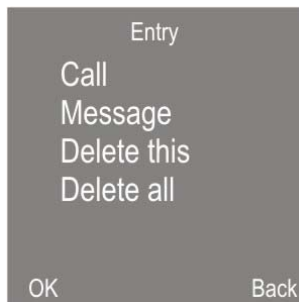
Use the 2-way navigation key  to select the "Phonebook" menu and press the  left soft key to enter the sub-menu.





Use the 2-way navigation key  to select a contact in your "Phonebook" or the "SIM card".


First press the left soft key  to show the sub menu of the contact.

You can cancel or stop the call by pressing the right soft key .



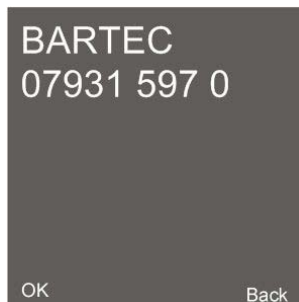
Use the 2-way navigation key  to select an option in your "Phonebook"

Press the left soft key  to start the dialling process, write a message or delete the Phonebook entry.


You can exit the sub-menu by pressing the right soft key .


5.5.2 Receiving call

5.6.2 Known call

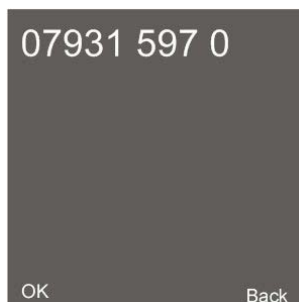


The name and the number of the incoming call appear on the screen.


Press the left soft key  to accept the incoming call.


Press the right soft key  to refuse the incoming call.

5.7.2 Unknown call

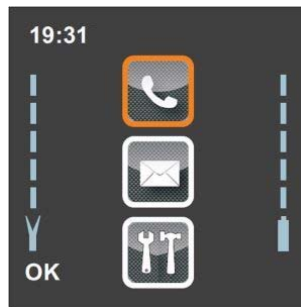





Only the number of the incoming call appears on the screen. Only this function is supported by the network.

Press the left soft key  to accept the incoming call.



Press the right soft key  to refuse the incoming call.

5.8.2 Last call

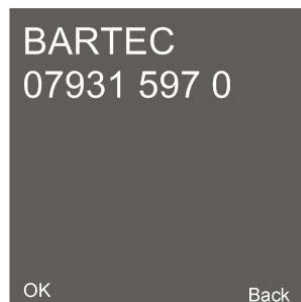


Use the 2-way navigation key  to select the  phone menu and press the left soft key  to enter the menu.





Use the 2-way navigation key  to select the “Last caller” menu and press the left soft key  to enter the sub-menu.

5.9.2 Known call

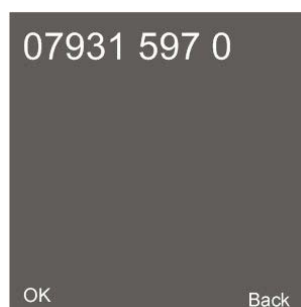


The name and the number of the incoming call appear on the screen.


Press the left soft key  to start the dialling process.


You can exit the sub-menu by pressing the right soft key .

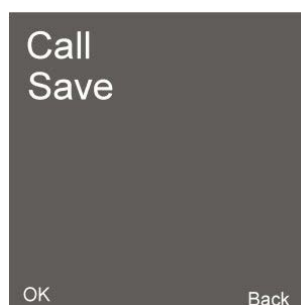
5.10.2 Unknown call






Only the number of the incoming call appears on the screen. Only this function is supported by the network.

Press the left soft key  to go into the next sub-menu.


You can exit the sub-menu by pressing the right soft key .



Use the 2-way navigation key  to select an option.

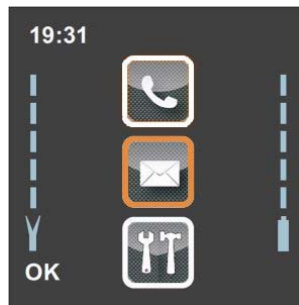
-  Call start to dial the number.
-  Save save the contact in the “Phonebook”




Save:



Type the name of the contact and save the contact in your "Phonebook" by pressing the left soft key .

5.3 SMS (Short Message Service) Settings

5.1.3 SMS Options

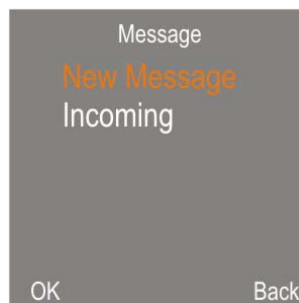




Use the 2-way navigation key  to select the  "Message" menu and press the  left soft key to enter the menu.

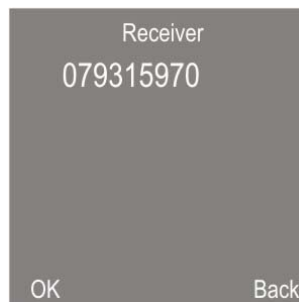
Use the 2-way navigation key  to select your option in the "Message" menu and press the  left soft key to enter the sub-menu.

- New message Write a new message and send to a contact/s.
- Incoming Received SMS are stored in the Inbox.


5.2.3 Creating a new message




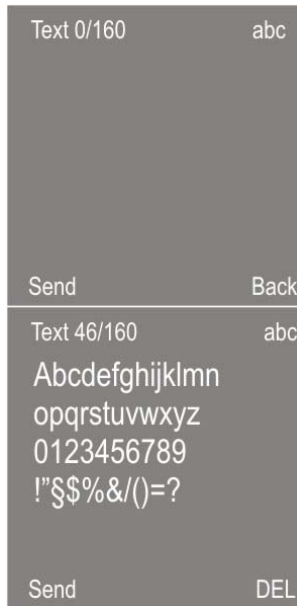
Use the 2-way navigation key  to select the "New message" menu and press the left soft key  to enter the menu.




Enter the number of the Receiver.


Press the left soft key  to accept the number.

Press the right soft key  to delete the last character entered and to exit the sub-menu

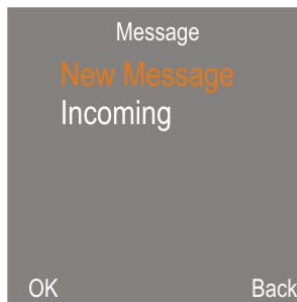


Enter the text in the field.



Press the left soft key  to send the message



Press the right soft key  to delete the last character entered.

5.3.3 Incoming



All messages received are stored in this menu.


Use the 2-way navigation key  to select the "Incoming" menu and press the left soft key  to enter the menu.



Use the 2-way navigation key  to choose a message and press the left soft key  to read it.

- Messages are listed chronologically.
- The newest message is listed first.
- Unread messages are highlighted with a bold font.

Options:


- Read the message.
- Delete the message.
- Forward the message.
- Answer the message.



You can exit the sub-menu or the message by pressing the right soft key .

Use the 2-way navigation key  to select a message and press the left soft key  to read it.

Options:


- Send the message again
- Forward the message
- Delete the message.

You can exit the sub-menu or the message by pressing the right soft key .

Use the 2-way navigation key  to select a draft and press the left soft key  to edit it.

Options:

- Send the message
- Edit the message
- Delete the message.

You can exit the sub-menu or the message by pressing the right soft key .

6 Maintenance, Inspection, Repair



Caution!

Only trained and qualified personnel may commission and do maintenance work on the Pegasus 70xx series! Trained qualified personnel are people who are familiar with the installation, assembly, commissioning and operation of the Pegasus 70xx series, have been instructed about the risks and have the appropriate qualifications by virtue of the work they do.

Maintenance intervals

The mechanical status of the devices should be checked at regular intervals. The length of the maintenance intervals depends on the ambient conditions. We recommend checking at least once a year. Regular maintenance is not necessary if operated appropriately in conformance with the installation instructions and with due consideration to the ambient conditions.

Inspection

Under IEC 60079-19 and EN 60079-17, the owner/managing operator of electrical installations in hazardous areas is obliged to have these installations checked by a qualified electrician to ensure that they are in a proper condition.

Servicing

Adhere to the applicable regulations under Directive 99/92/EC, IEC 60079-19 and IEC 60079-17 when servicing, doing maintenance work on and testing associated operating equipment!

Assembly/disassembly, operating and maintenance work may be done only by trained specialists. The statutory rules and other binding directives on workplace safety, accident prevention and environmental protection must be observed.

Observe the national waste disposal regulations when disposing of the equipment.

Instructions for Repairs

If you wish to send in a defective device for repair, please read the RMA procedure guidance first. Then fill in and sign the RMA (Return Merchandise Authorization) form and send it to our "Retouren Center".

Email: services@bartec.de Fax: +49 7931 597-119

We cannot guarantee any contractually agreed processing times for devices that are sent in without an RMA number.

The RMA guide and the RMA form are available on our homepage for downloading.

<http://www.bartec-group.de> Quality and culture RMA form

Have you any questions? Write us an e-mail or call us.

E-mail: services@bartec.de Phone: +49 7931 597-444

7 Disposal

Battery packs should not be disposed of in general household waste. Observe the local waste disposal regulations, which you can find out about contacting your local authority.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.



This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2002/96/EC

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.

For more detailed information about disposal of your old appliance, please contact your local council refuse centre or the original supplier of the product.

8 Dispatch and Packaging Instructions

Important information regarding transport and dispatch

! Sensitive Devices!

It is essential to send in the device in the original packaging to prevent damage to the device.

