

POCKET GPRS MICRO

Quick Guide 7D1706 ver. 2.0 06/2011

Congratulations for choosing Digicom Pocket GPRS Micro.

Pocket GPRS Micro is a GSM Dual-Band modem (900/1800 Mhz) perfect for DATA and SMS applications.

It has been designed to operate on any digital GSM network both directly and in roaming. Pocket GPRS Micro is GSM Class 4 (900Mhz) and Class 1 (1800 Mhz) compliant. The dual-band functionality depends on the network. Please refer to your GSM provider for the availability of the service.

⚠ Attention: In factory configuration AT commands are managed at 9600bit/s only. Before going on with your settings, you must set your terminal emulator (i.e. HyperTerminal) or your application as follows: 9600,8,N,1 then you can modify the interface speed with the values included between 1200 and 115200bit/s with the AT+IPR command.

For further information see the chapter “AT Commands” in the user’s manual on Digicom website www.digicom.it



TECHNICAL FEATURES

- Power supply: from 5 to 32Vdc
- Size: 88x75x25 mm
- Connectors
 - Power supply: Terminal Blocks 6 PIN screwless
 - Data interface: 9 pin RS232 (V24/V28)
 - Antenna: SMA female
 - SIM: Plug-In 3V and 1,8V

PACKAGE CONTENT

Cod. 8D5680

- 1 PocketGPRS Micro
- 1 GSM Antenna with 3 mt cable (cod. 8E4432)
- 1 Power cable 2 wires (red-black) 2 mt with Mini-Fit™ 2pin (cod. 6D1193)
- 1 Quick Guide

Cod. 8D5690

- 1 PocketGPRS Micro
- 1 GSM Antenna with 3 mt cable (cod. 8E4432)
- 1 Power supply with Mini-Fit™ 2 pin (cod. 8D6066)
- 1 Serial cable DB9M-DB9F 1,8mt (cod. 9D0527)
- 1 Quick Guide

INSTALLATION

- **Insert the SIM card** into Pocket GPRS Micro.
- **Connect the serial port of your Pocket GPRS Micro** to the PC. In factory configuration AT commands are managed at 9600bit/s only.
- **Connect the GSM antenna.**
- **Turn on Pocket GPRS Micro.** See “Power supply” paragraph.

CONNECTION TO THE EXTERNAL ANTENNA

To connect the external antenna go on as follows:

1. Turn off your **Pocket GPRS Micro** by **disconnecting the power connector**.
2. Connect the SMA male **connector to the external antenna** of Pocket GPRS Micro, screwing it clockwise.
3. Place the antenna and the device, and check if there is a good quality signal (AT+CSQ command).



THE SIM CARD

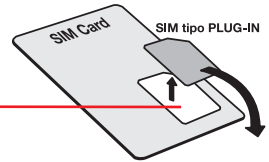
Plug-in SIM are supported by Pocket GPRS Micro. To prevent damaging or losing information do not touch the sim gold area.

Attention: Check with your GSM provider if your SIM is enabled for SMS and DATA traffic, if not ask him for this service, he will give you another number for data calls.

Insert the SIM

Probably the SIM card will be supplied in a card holder compliant with devices using full-size SIM.

1. **Remove the SIM** carefully from the SIM holder.
2. Turn off PocketGPRS Micro by **disconnecting the power connector**.
3. **Insert the SIM** card into the holder. Be sure the angled corner is top right.



To remove the SIM card, push it in the device, then release it.

POWER SUPPLY

The modem power supply must be included between +5Vdc and +32Vdc with ground negative.

The **Mini-Fit™ 2 pin connector** Pin-out:

- + = from +5Vcc to +32Vcc
- = GND



Attention: the power supply voltage must not exceed the indicated maximum value as this may cause a damage of the product.



LED INDICATORS

Through two led indicators you can control the status of Pocket GPRS Micro:

LED	STATUS	DESCRIPTION
Status	OFF	No power supply
	ON	Power supply ON
GSM	Blinking	Pocket GPRS Micro is in one of the following status: <ul style="list-style-type: none"> - network search mode - SIM card not present - PIN not inserted - emergency mode
	ON	Pocket GPRS Micro detected by the GSM network



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PREFACE

In order to guarantee your safety and a correct functioning, be sure to follow these safety warnings. The whole set (with cables included) must be installed in a place lacking of or distant from:

- Dust, humidity, high temperatures and direct exposure to sunlight.
- Heat irradiating objects, which may damage your device or cause any other problem.
- Objects producing a high electromagnetic field (Hi-Fi speakers, etc.).
- Corrosive liquids or chemical substances.

ENVIRONMENTAL CONDITIONS

Environment temperature: from -20 °C to +55 °C Relative humidity: from 20 to 80 % n.c.

CLEANING INFORMATION

Use a soft dry cloth and avoid any solvents or abrasive materials.

SHOCKS OR VIBRATIONS

Caution against shocks or vibrations.

SAFETY WARNINGS

Read these instructions and norms carefully before powering the device. Violation of such norms may be illegal and cause hazard situations. For any of the described situations please refer to the specific instructions and norms.

The device is a low power radio transmitter and receiver. When it is ON, it sends and receives radio frequency (RF) signals.

The device produces magnetic fields. Do not place it next to magnetic supports such as floppy disks, tapes, etc.

Operating your device close to other electrical and electronic equipment - such as a television, phone, radio or a personal computer - may cause interferences.



INTERFERENCES

The device, like all other wireless devices, is subject to interferences that may reduce its performances.



ROAD SAFETY

Do not use your device while driving. In case of use on cars, you must check that the electronic equipment is shielded against RF signals. Do not place the device in the air bag deployment area.



AIRCRAFT SAFETY

Switch off your device when on board aircrafts by disconnecting the power supply and deactivating the internal backup battery. Using GSM devices on aircrafts is illegal.



HOSPITAL SAFETY

Do not use the device near health equipment, especially pacemakers and hearing aids, in order to avoid potential interferences. Take care when utilizing the device inside hospitals and medical centres, which make use of equipment that could be sensitive to external RF signals. Switch it off when use is expressly forbidden.



EXPLOSIVE MATERIALS

Do not use the device in refuelling points, near fuel or chemicals. Do not use the device where blasting is in progress. Observe restrictions and follow any specific regulation or instruction.



INSTRUCTIONS FOR USE

Do not use the device in direct contact with the human body and do not touch the antenna if not strictly necessary.

Use approved accessories only. Consult documentation regarding any possible device connected to the device. Do not connect incompatible products.

DECLARATION OF CONFORMITY

We, Digicom S.p.A., with registered office at Cardano al Campo (VA - Italy) - Via Volta 39, declare under our sole responsibility, that the products named **Pocket GPRS Micro**, to which this declaration refers to, satisfy the essential requirements of following Directive:

- 1999/5/CE 9th March 1999, R&TTE (concerning radio equipment and telecommunication terminal equipment and the acknowledgment of their conformity) Law Decree 9th May 2001, n.269, (G.U. n. 156 of 7-7-2001).

As indicated in conformity with the requirements of following Reference Standards or of other regulations documents:

EN 301 489-01

EN 301 489-07

EN 55022

EN 61000-3-2

EN 61000-3-3

EN 301 511

EN 60950-1

ASSISTANCE AND CONTACTS

Most of questions can be answered by looking up in the Support > F.A.Q. section of our website at www.digicom.it.

If you can't find the answer you're looking for, please contact our Technical Support at support@digicom.it

INFORMATION FOR USERS

According to the 2002/95/CE, 2002/96/CE and 2003/108/CE Directives, relative to reduction in the use of hazardous substances in electrical and electronic apparatus, as well as to disposal of waste materials.



The symbol of a crossed box applied on the apparatus or on its package indicates that at the end of its useful life the product must be collected separately from other waste materials.

The user must therefore take the apparatus which has reached the end of its useful life to appropriate separate collection centres for electronic and electro-technical waste materials, or deliver it back to the reseller when purchasing new apparatus of an equivalent type, giving one piece in for one piece out.

Suitable separate waste collection for then sending the cast-off apparatus for recycling, treatment and environmentally friendly disposal, contributes towards preventing any possible negative effects on the environment and on health and encourages recycling of the materials the apparatus is made up of.

Unauthorised disposal of the product by the user will lead to payment of the administrative sanctions in force in the country where it is put on the market.