

# PG-4W Pager

The PG-4W pager is designed for the wireless transmission of car alarm signals and for local area paging. Additionally, this device can be used for remote indication of other signals. The PG-4W set includes: PG-4T transmitter, PG-4R receiver, AN-02A tape antenna and a wire harness.

**The transmitter** can send two different signals (it has two signal inputs – A and B). Each transmitter has a unique transmitting digital code (factory set). This code insures that only a receiver, which was set for this code will react to the transmitted signal. An unlimited number of receivers can be set for each transmitter.

**The pocket size receiver** can be carried or clipped on your belt. It responds with an audible and visual signal if the corresponding code is received. Different sounds distinguish between the inputs (A or B) of the triggered transmitter. This allows for a car alarm signal to be distinguished between a manual triggering signals.

When ordering an additional receiver, it is necessary to have it programmed to be compatible with the original one (you can find the original code sequence in the receiver's battery compartment).

## Specification

### transmitter:

operating voltage	10 – 16 V DC
consumption	stand by - 6mA, act. 0.5 A
frequency	448.17 MHz band
radiated power	0.5 W
working distance	up to 2 km (open area)
coding	digital (1,000,000 unique codes)
transmitting time	3 sec.
operating temperatures	-20 °C to +70 °C
antenna	AN-02A

### receiver:

power	1.5V, AAA battery
consumption	typ. 0.9 mA
battery life	typ. 1 month
indication	acoustic & visual
operating temperatures	-10 °C to +50 °C
antenna	built-in frame antenna

### complies with:

ETSI EN 300 220/2000

## Installation

The transmitter should be installed in the passenger compartment of a car. Avoid locating it close to any other electronic device.

**Antenna** - the PG-2A adhesive tape antenna should be fixed to a window. It should be located vertically at least 5 cm away from the edge of the window. Do not install the antenna on a window with a built in defroster. Do not cut the antenna cable nor try to increase its length. If you do not need the whole cable, bind the unused part and fix it to the wire harness.

### Wiring:

The wire-harness is equipped with a connector, which makes the installation easier. If you do not use some wires in the harness, you can release the wires from the connector (press the connector tab inside the housing with a narrow screwdriver).

### Wires:

**Red** = positive +12 V power supply. It should be connected directly to the positive terminal of the battery cable (usually marked as signal number 30 on the car wire harness). Connect this wire only after you finish the installation. After switching on the power supply, the transmitter will send the signal of the triggering of input A. (This feature can be used for a simple two-wire connection to a car alarm output.)

**Black** = GND Supply. Connect this wire to the original GND point in the car.

**Blue** = input A (receiver will react with the sound - - - -)

**Green** = input B (receiver will react with the sound ... ..)

Both inputs are triggered whenever they are connected or disconnected with the GND. A red LED indicator confirms transmitter activation.

**Pink** = input for a direct connection to Jablotron CA-320 Accent or CA-10 Rex car alarms. If you connect this input to AUX data pin of an Accent or Rex car alarm, you do not need to connect the blue and green wires. This allows the car alarm signal to correspond to input A trigger-

ing and a simultaneous pressing of both remote control buttons will correspond to input B triggering.

*The remaining pins on the connector are not used. They are for future applications. Do not connect them.*

LED indicator on the transmitter indicates:

- **transmitting** – it is on during transmission
- **low battery** – two quick flashes
- **failure** – three quick flashes

**Examples of installations** in a car with a car alarm are shown in the diagrams.

The pager can also be connected to the alarm outputs of other car alarms. Functioning is then based on the alarm features and cannot be guaranteed by Jablotron.

The triggering inputs can be connected to any sensor (e.g. door contacts) directly. Any sensor activation will then trigger the transmitter and will be indicated by the receiver.

## Operation

### Preparing the receiver

Insert a AAA size battery in to the PG-4R receiver. The receiver will beep shortly. Once the battery is installed, the receiver is ready. You can check the readiness anytime by pressing the receiver button – a short beep will confirm operation.

### When alarm signal is received

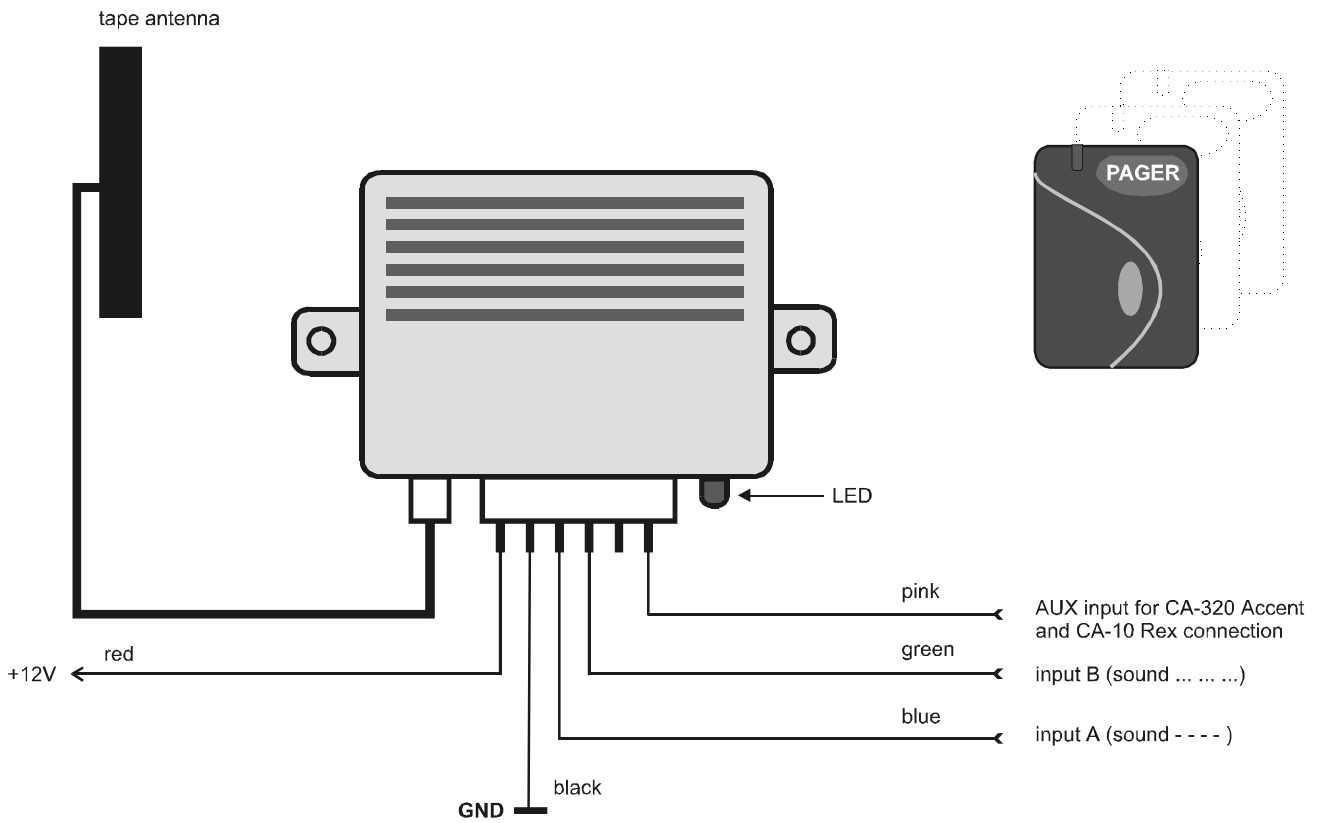
- the receiver reacts with audible and visual signals
- By the type of sound, you can distinguish whether input A (– – – –) or B (... ..) has been activated
- You can stop the signals (confirm reception) by briefly pressing the button
- If the button is not pressed within 15 seconds, the information will be automatically stored in to the memory. The receiver will then chirp every 15 seconds. When pressing the button you will hear the original signal corresponding to the input A or B triggering and the memory chirp signal will stop.

### Battery check

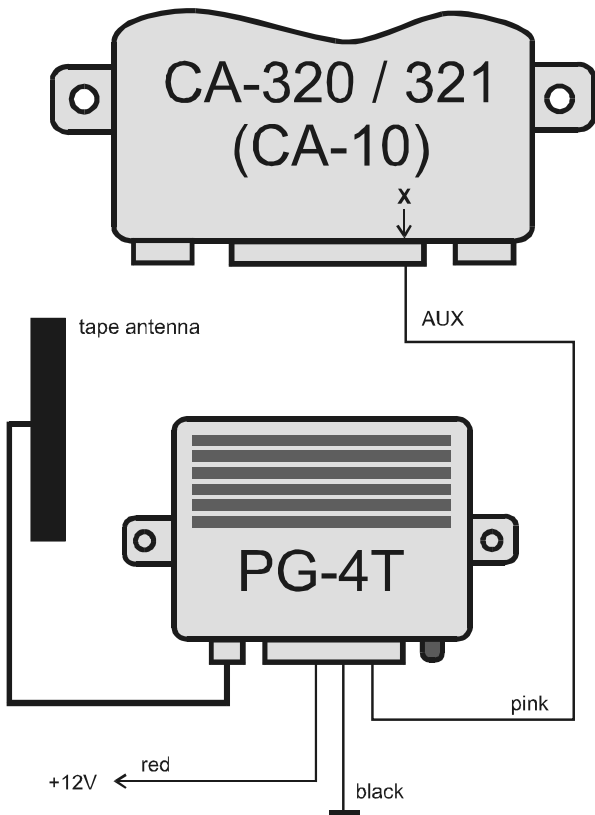
The receiver performs an automatic battery check. If the batteries are low, the receiver will beep continuously for 15 seconds (can be switched off by pressing the button). After sending this signal the receiver will remain ready for some time. If you press the button, three beeps will sound (low battery warning). Replace the battery as soon as possible.

### Battery replacement

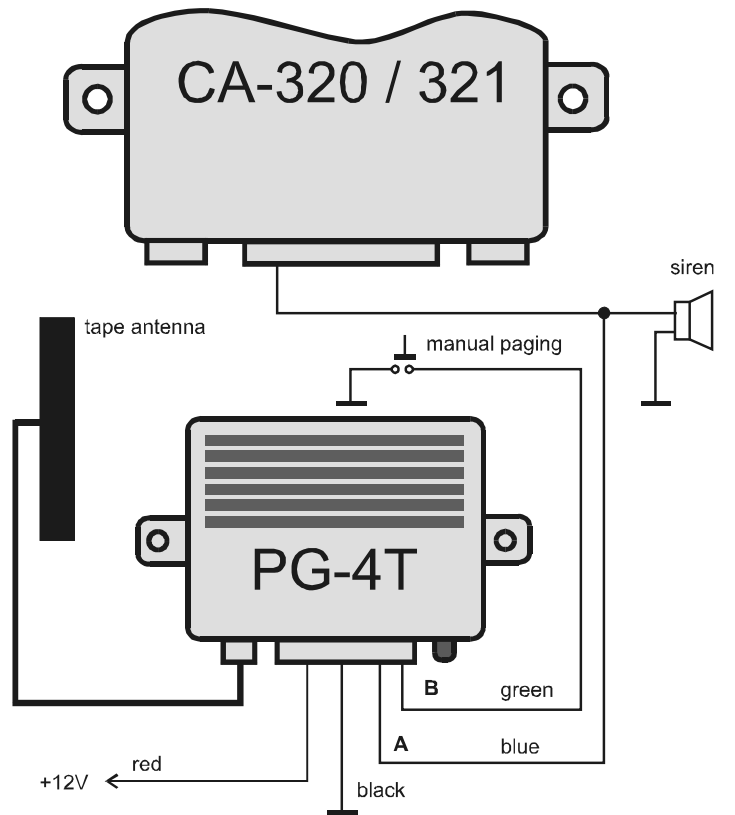
Use only new high quality alkaline AAA batteries. After inserting a new battery, a short beep must be heard. If a continuous beep or no beep is heard, the battery is low or not inserted correctly.



**Pic. 1 Transmitter connection**



**Pic. 2 Example of connection with CA-320 or CA-10**



**Pic. 3 Example of car alarm and manual paging connection**