

NEAT Portable alarm receiver TREX 2G



NEAT Electronics has the pleasure to release a new version of Portable alarm receiver, TREX 2G, built on a completely new platform for higher performance.

Basic function

TREX 2G Portable alarm receiver is used together with trigger ATOM and other radio peripheral equipment from NEAT Electronics.

When the ATOM or any other peripheral is activated, the TREX 2G alerts the personnel or relatives that someone is in need of assistance.

Installations

TREX 2G can handle as much as 255 unique alarm transmitters and 255 D-POS positions. These means that TREX 2G can be used in both small, very efficient cordless alert system as well as in large installations.

User interface

To alert the user the unit is equipped with a vibration motor and a speaker for real sound generation. The sound volume is adjustable with a much higher maximum level than the previous version. TREX 2G has also a distinct colour display with a clear white backlight for easy reading. The menu handling is substantially improved compared to the previous version.

Alarm handling

The unit shows e.g. the name of the person which is in need of assistance, the room number or some other alarm source identification. The alarm text shown in the display can be individually set by the user.

After receiving the alarm, the only thing the personnel have to do is to press the accept button. It is also possible to browse between the alarms to handle more than one alarm simultaneously.

Alarm list

TREX 2G maintains a list of the 32 latest alarms together with date and time. In this way, the users can keep track of the alarm history.

Positioning

The TREX 2G can be used in a system together with RFID D-POS transmitters. This makes it possible to see from where an alarm comes and can notify the personnel if a user is leaving the building.

Personnel alarm

When more than one TREX 2G are used in a system it is possible to send personnel alarms from one unit to another. The user can choose to send either an assault or assistance alarm. The alarm is received by the other TREX 2G in the same way as other alarm sources in the system. The other personnel immediately see from where and who of their colleagues that is in need of assistance.

Remote control

It is possible to configure TREX 2G for remote control of any radio receiver such as WIOR and LINK. A unit like this can e.g. control a door lock or open the front door for a visitor.

Radio communication

TREX 2G uses the by EU recommended narrow band frequency dedicated for social alarms. The radio coverage is depending on the environment, but can be up to 250 meters. The system can also be used with radio repeaters REPO+.



Mechanics

TREX 2G has a sturdy cover with extra robust plastic, to be able to handle tough conditions and handling. The buttons are easier to handle compared to the previous TREX and there is also a separate alarm button. The alarm button requires higher activation force to avoid unintentionally activation. The design is also made to resist water in some extent.

Charging

To avoid costly battery replacements, TREX 2G contains a rechargeable battery of environmental friendly LiPo type. The battery life time without charging depends heavily on how the unit is used, but the typical standby time is more than a week.

Configuration

The most used parameters are controlled from the menu in the unit. More complex configurations are made from a computer equipped with a software called TREX 2G Programmer.

Please note that there is no longer any need for NPU to make the configuration. The unit is connected to the computer with a standard mini USB cable. It is also possible to perform firmware upgrade through this cable.

Compatibility

The TREX 2G Programmer cannot configure the previous type of TREX and vice versa. It is however possible to import an old configuration file in the new version of program.

Accessories

TREX 2G, kit standard	NE10 09240-01
230V AC charger (included in kit)	NE31 05001-06
Charging adaptor (included in kit)	NE31 09011-01
USB cable (USB-A mini USB-B 5pin)	NE31 11001-01
Charging station	NE10 10004-01
Protection bag/Belt holder	NE32 11002-01

Please note that the kit product number will be different for other languages or other customer specific configurations.

Documentation

Data sheet (EN)	NE43 11001-02
Product sheet (EN)	NE43 11002-02
Users manual (EN)	NE41 10015-02
Technical handbook	NE41 11007-02

Technical data

TREX 2G fulfils all EU demands for the CE mark.

Frequency:	869.20-869.25 MHz
CE-directive:	R&TTE 1999/5/EC LVD 206/95/EC EMC 204/108/EC
Standards:	EN60950-1:2006+A11:2010 EN 301 489-1 v1.8.1(2008) EN 301 489-3 v1.4.1(2002) EN 300 220-2 v2.3.1
Height:	100 mm
Width:	48 mm
Depth:	21 mm
Weight:	60 g

Contact

For technical questions regarding TREX 2G please contact Mats Billenius.