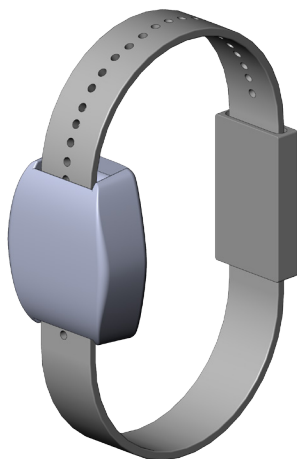
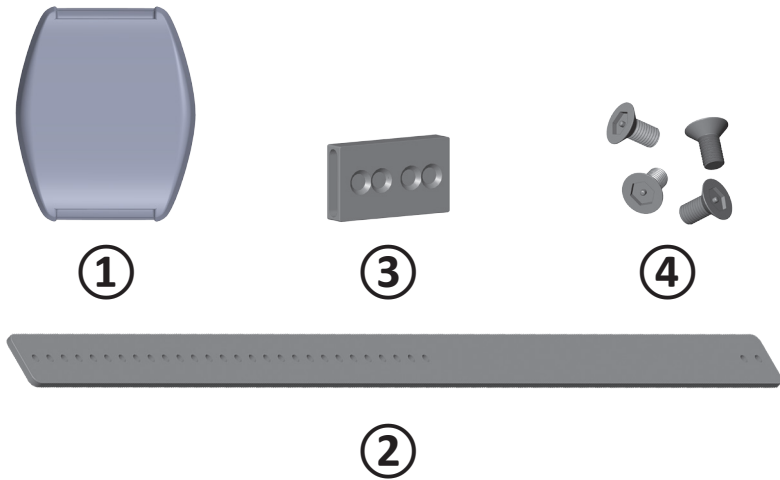




# UDAT

## User Manual





## UDAT components

The list below shows the UDAT components.

#	Denomination	#	Denomination
①	UDAT Unit	③	UDAT Lock
②	UDAT Wristband	④	UDAT Lock screws x 4 (Fitting screw driver dimensions: TT10 ANXR10X75)

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We, NEAT Electronics AB, Varuvägen 2, 246 42 Löddeköpinge, SWEDEN, hereby declare under our sole responsibility that this product, UDAT, is in conformity with the directives: R&TTE: 2014/53/EU, EMC: 2014/30/EU, LVD: 2014/35/EU and conforms to the following product specifications:

Safety	EN 60950-1:2006+A1+A2+A11+A12:2011
EMC	EN 301 489-1 v1.9.2, EN 301 489-3 v1.6.1
Radio	EN 300 220-1, v2.4.1, EN 300 220-2 v2.4.1
Environmental	EN 50134-2:2000

Ulrik Lundberg  
Managing Director

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# 1 Overview

## 1.1 Intended use

UDAT is a radio transmitter for positioning intended to be used for wandering alarms in home care or in ward facilities with a D-POS Antenna.

The unit comes without a alarm button and is merely a tracking tool which can trigger automatic alarms depending on the setup parameters for the UDAT. Eg. a caretaker with a UDAT can be granted or denied access to certain doors within the ward.

## 2 UDAT Components

### 2.1 UDAT Unit

The UDAT unit is the RFID transmitter with no alarm button.

### 2.2 UDAT Wristband

The wristband comes in thre different variants with different rigidity.

### 2.3 UDAT Lock and screws

The UDAT lock and screws are for fitting the wristband and is intended for permanent use, i.e. the wristband is NOT inteded to be removed on a daily basis.

The Torx screws provides enhanced security to ensure that the wristband stays in place.

## 3 Mounting the wristband

The wristband is made of robust plastic so the wristband must be cut to the correct length before mounting since it is not possible to adjust the length and fitting when done.

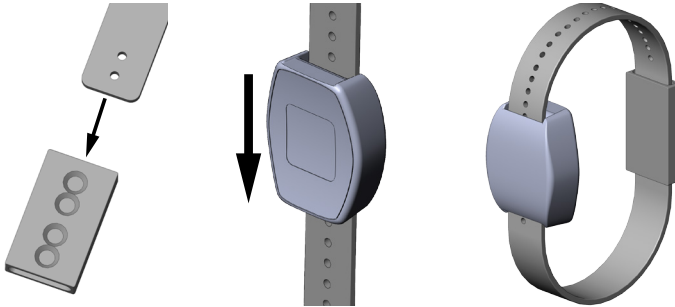


*Be careful NOT to screw too hard or the plastic components may break.*

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1. Start by threading the wristband using the end with ony two (2) holes into the UDAT lock (see pictures below). Fasten with two screws.
2. Thread the wristband through the UDAT unit.

3. Mark a suitable length on the wristband and cut to appropriate size.
4. Thread the cut end into the UDAT lock and fasten with two screws.



## 4 Programming and configuring

### 4.1 UDAT Activator Kit, Standard

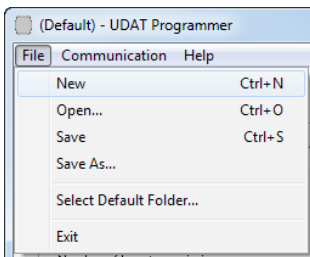
This hardware is used together with UDAT Programmer to read and write the configuration to and from the UDAT and can be obtained by your supplier. Since there is no button on the UDAT this tool simulates an RFID field hence making it possible to read/write the configuration data.

## 5 UDAT Programmer

The software can be downloaded from our website: <http://www.neat-group.com/se/en> and is compatible with PCs running Windows XP, Windows 7 and Windows 8/8.1.

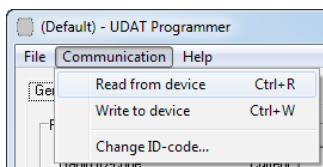
### 5.1 Drop down menus

#### 5.1.1 File



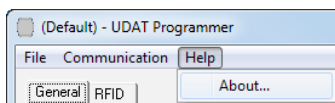
The **File** drop down menu handles the configuration files. **New**, **Open...**, **Save** and **Save As...** should be quite self-explanatory. **Select Default Folder...** is to point to a certain folder other than the folder created during installation.

## 5.1.2 Communication



The Communication drop down menu allow for reading/writing the configuration from the UDAT as well as directly changing the Radio ID code.

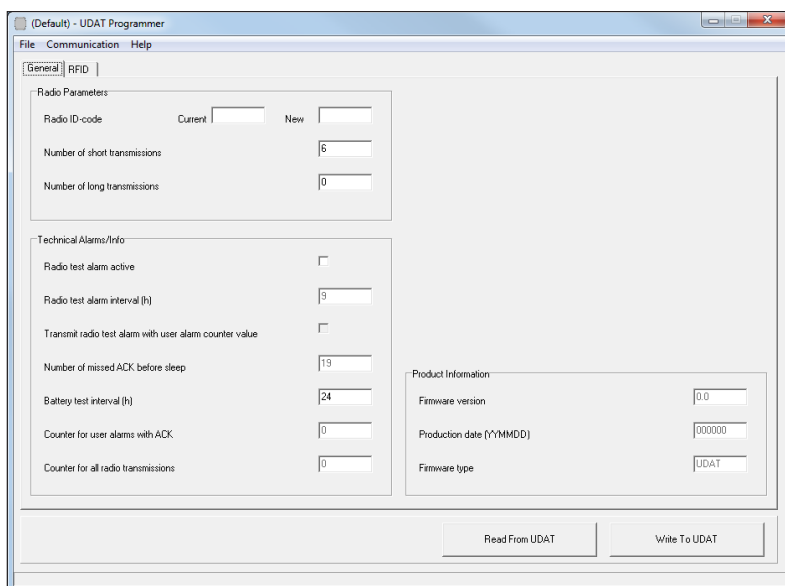
## 5.1.3 Help



The **Help** menu displays the UDAT Programmer version and contact information.

## 5.2 General tab

The General tab is displayed when UDAT Programmer is started. The sections are explained further in the following paragraphs.

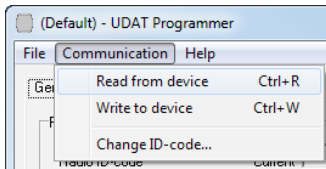


### 5.2.1 Radio parameters

This section handles the Radio ID code as well as the number of short and long transmissions. When a UDAT is read the current Radio ID code is displayed and a new can be entered in the **New** box.

The amount of short and long transmissions affects the battery life.

Changing the Radio ID code can also be done directly via the drop down menu option **Communication>Change ID-code**.



### 5.2.2 Technical alarms info

This section covers technical aspects of the alarms and it's possible to:

- Enable or disable the **Radio test alarm**.
- Set the interval for the **Radio test alarm**.
- Set how many ACKs can be missed before the unit goes into sleep mode
- Set the **Battery test** interval.
- See how many user alarms with ACKs the unit transmitted and the total number of radio transmission.

### 5.2.3 Product information

This section is read-only and displays information about the current UDAT.

## 5.3 RFID tab

### 5.3.1 RFID

This section handles the RFID aspects of the UDAT.



*RFID can not be turned off in a UDAT.*

The inactivity parameters affects battery life and the default values are usually sufficient for most installations.

- Enable Extended messages to send.
- Enable **Transmit door alarm instead of position**.
- Enable **Personnel device** if the UDAT is used by personnel.

### 5.3.2 D-POS zones that will generate a transmission

Check the appropriate zones that will generate transmissions.



*Zone F can not be un-checked since UDAT uses this zone by default with the UDAT Activator unit in order to read from/program the unit.*

### 5.3.3 D-POS position codes that will generate a transmission

Enter the four digit hexadecimal code (eg. 1AB5) for the D-POS position codes that will generate a transmission.

## 6 Safety Notes

- Read instructions prior to use.
- Always test the system per instructions prior to use and always check the function of the product after making adjustments.
- This product may not be suitable for all persons.
- This product should not be a substitute for the routine visual monitoring protocol by caregiver.
- Must not be used in situations where a delay in the arrival of appropriate medical care, could lead to a potentially life-threatening situation.
- Our units are NOT intended for any life support device, thus intending a device whose malfunction may result in damage to a life.
- Check the device regularly and replace when necessary.
- Do not integrate to other systems other than those specified in this document.
- The product does not cause electromagnetic disturbances under normal working conditions.
- The product can be placed near other products or devices as long as mechanical vibration is not present.

## 7 Use and maintenance

### 7.1 Use

- Temperature range: +5- +55°C
- Do not damage the unit or its parts. If damaged, immediately contact authorized personnel.
- Do not expose to direct sunlight, do not warm up the device or use it near fire.
- Keep away from dust, moist and dirt.
- Do not drop, knock, twist or shake the device.

### 7.2 Cleaning

- All parts can be cleaned with a mild soap solution and a damp cloth. Do not use strong chemicals, grease and other harsh substances when cleaning or handling the unit or its parts. Dry with a dry cloth.
- After cleaning, control that the device works properly by testing in the designated environment.

## 8 Technical data

Measures, B x H x D	38 x 46 x 18 mm
Weight	25 g
Operating frequency	869.2 MHz
RFID frequency	125 kHz
Battery life	Approx. 5 years