

# **Operating instructions**

(Translation of the original operating instructions)



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### 1. General

Congratulations on purchasing the product from TEKA.

Our engineers ensure that our devices reflect the state of the art through continuous development. Nevertheless, misuse or misconduct can endanger your safety. Please observe the following for a successful use of the device:

| Only authorised and instructed personnel can carry out transport, operation, maintenance and repair of the device. The operator must ensure that the operating personnel take note of these instructions. |
|---|
| Please read these instructions before operating the device, and observe the safety precautions to avoid injury!   |
| Store this manual in a safe place! These instructions are to be regarded as a component of the product!   |
| Adhere to all product notes!  |
| Modifications or conversions that the operator carries out at the device without the consent of the manufacturer, can lead to new safety hazards or to the loss of warranty claims.                       |
| Observe the manufacturer's instructions. Contact the manufacturer in case of any uncertainty:<br>Tel: +49 2541-84841-0<br>E-mail: info@teka.eu  |



## 2. Description of the system elements

2.1. Illustration of the system elements

Installation example:



| Pos.1 | Operating panel of the control             | Pos.5 | Connection for mains cable, including |
|-------|--|-------|---------------------------------------|
| Pos.2 | LED square ("signal lamp")                 |       | ON/OFF switch                         |
| Pos.3 | RJ45 port                                  | Pos.6 | 3 antennas for WiFi and mobile        |
| Pos.4 | 8-pin industrial connector (potential-free |       | communications                        |
|       | contact) for transmission of relay signals | Pos.7 | Eye bolts for ceiling suspension      |

## 2.2. Functionality of the system

AirTracker reliably monitors indoor air quality by measuring dust concentration, temperature, and relative humidity. On the basis of these measurements, the air quality is determined and visualised both on the display and by means of different colour indicators on the sides of the device. The measurements are recorded and can be downloaded from the device as needed. The AirTracker

also has potential-free contacts that can be used to control external units. The AirTracker features an integrated router for flexible connectivity.

This means that the AirTracker is network-compatible and can also be viewed and controlled remotely.



## 3. Safety instructions

### 3.1. Definition of the hazard symbols

The device is constructed according to the state of the art and the recognised safety regulations. Nevertheless, during use threats to life and limb of the user or other persons may arise. The impairment of the machine or other property are also possible. In these instructions we warn by using corresponding indications.



#### WARNING

WARNING

These instructions are made in case of risks that can lead to injury or death.



#### CAUTION CAUTION

These instructions are made in case of risks that can lead to injury.



#### NOTICE NOTICE

These instructions are made in case of risks that can lead to material damages.

Information notes are no hazard warnings; they call attention to useful information.

### 3.2. General safety instructions

#### WARNING

**Dangers arising from improper use / unauthorised operations.** The operator must ensure that their authorised personnel are familiar with all the safety indications in this manual in advance. The operator is reasonable for ensuring that all work

indications in this manual in advance. The operator is responsible for ensuring that all work is carried out by authorised and qualified personnel. Laymen are allowed to operate the device after having received the necessary instructions. But they are not allowed to carry out any installation, repair or maintenance work.



#### WARNING

#### Dangers arising from electricity.

The operator must ensure that electrical plants and equipment are only built, modified and maintained by a qualified electrician or under the direction and supervision of a qualified electrician. Do not work on components if you are not sure that these are disconnected. If necessary, disconnect the device from the electric power supply and secure it against unauthorized restarting.



### 4. Storage, transport and installation of the device

#### WARNING

Risk of injury arising from the falling unit at its destination.

The unit must be firmly mounted under the destined ceiling. The ceiling must be vibration-free and horizontal. The operator must check if the ceiling provides a sufficient bearing capacity. Use the 2 eye bolts for fixing the unit (see chapter 2.1.).

**Dangers arising from titling or functional impairments at its destination.** The unit may be set up alternatively on a suitable surface. The unit may only be set up on a suitable surface. The surface must be vibration-free and horizontal. The operator must check the bearing capacity of the surface. The unit must be secured on the surface.

#### NOTICE

**Damage or functional impairment of the unit due to climatic influences.** The unit must be stored in a dry place and protected against moisture during transport. As a matter of principle, the filter unit is not designed to be installed outside.

**Incorrect temperature readings possible.** The unit must be protected from direct sunlight.

- The operator must specify where the AirTracker is to be installed. The position of the AirTracker determines where in the room the air quality is measured. When installing in a metal-processing workshop, we recommend installing at a height of approx. 4 metres.
- When mounting the device in its final position, the WiFi and mobile communications antennas (see chapter 2.1) must be folded out and remain folded out.

## 5. Commissioning

#### WARNING

#### Dangers arising from a defective condition of the unit.

Make sure that the measures described in this chapter are completed before the commissioning of the unit. All required connections must be attached before turning the unit on. Do not operate the unit if any components are defective, missing or damaged. Check the orderly condition of the unit before switching it on.



### NOTICE

Damaged supply lines.

Make sure that the supply lines are protected against damage by forklift trucks and similar events. Protect all supply lines from heat, moisture, oil and sharp edges.



We recommend adjusting the set time and date to the local time zone when commissioning the unit. The procedure is described in the chapter "Settings menu / Settings 3". **A correct time and date is important for analysing the data log, for example.** 

BA\_AirTracker\_20250204\_EN



### 5.1. Electrical connection

#### NOTICE

**HINWEIS** 

Electric malfunction possible in cause of an incorrect power supply. Pay attention to the admissible supply voltage. Please observe the specifications on the type plate.

• The power supply is provided by the IEC connector. After the cable has been connected, the device can be switched on with the toggle switch.

### 5.2. Controlling external devices using the AirTracker



**Damage or functional impairment of the unit due to overcurrent.** The maximum permissible current carrying capacity is 250 VAC / 6 amps.

The potential-free relay connections can be used to control other devices or their signalling devices via the AirTracker. The AirTracker therefore offers the possibility to react to critical measurements with automatic "countermeasures". Possible applications include, for example, switching filter systems, ventilation systems, alarm signalling systems, etc. on or off.

The AirTracker is connected via the 8-pin industrial connector on the top of the device (see chapter 2.1).

### 5.3. Controlling the AirTracker using external end devices

Control is possible in a number of ways. These are described in detail in the chapter "Network functions".

### 5.4. Replacing an old AirTracker by a new AirTracker

Replacing takes very little effort. If used, disconnect the cable from the 8-pin industrial connector and the network cable from the RJ45 port. The cables used can be connected as they are to the new AirTracker.



### 5.5. Connecting to the AirTracker's WiFi

i

A quick and easy connection of one of your end devices (e.g. PC or laptop) to the AirTracker is possible via the AirTracker's integrated WiFi. If you prefer to integrate the AirTracker into a network, please refer to the chapter "Network functions".



• A 4-digit ID ('XXXX') is indicated on the AirTracker's housing. (Every AirTracker has its own ID.)



Look for the AirTracker in the WiFi settings of your end device. The AirTracker must be switched on for this.

WiFi name (SSID): **TEKA\_AirTracker\_XXXX** 

- Select the AirTracker and enter the password: WiFi password: AirTracker24364 (Some devices require confirmation when connecting to networks without internet access. Check for notifications.)
- Open an internet browser on your end device. Enter the following address in the address bar: <u>http://10.19.95.80:5800</u> Password: 24364

You can also scan the QR-Code instead. Password: 24364



• If you experience any connection problems, refresh the website in your browser or try using a different end device.



## 6. Operating the system

## 6.1. Explanation of the operating elements

|   | Operating elements for the device control |  |  |  |
|---|---|--|--|--|
| Representa<br>tion  | Designation                               | Description / function   |  |  |
| Tou<br>Staub<br>0.02 mg<br>Temperatur<br>24.64 °c<br>Feuchtigkeit<br>36.88 %r | uch display                               | By selecting the icons in the toolbar (right-hand side), you can switch<br>between different menus and display their menu items. The menu<br>items display the values and functions of the system, which can also<br>be changed there. |  |  |
| I<br>0  | ON-OFF-switch                             | By means of this switch, the device is switched on and off.  |  |  |

| Operating elements for status and error messages |   |   |  |
|--|---|---|--|
| Representation                                   | Representation Designation Description / function |   |  |
| TEKA   | TEKA logo<br>(white LED)                          | Lights up to indicate that the unit is being supplied with power.   |  |
| Status LED's<br>"signal lamp"                    |   | The status LED only lights up when the system is operating and at<br>least one alarm value is enabled; see chapter "alarm values / limit<br>values menu".<br>The status LEDs work in the same way as a signal lamp. The colour<br>indicates whether the currently measured values for air quality are<br>OK. That means:<br>green = good<br>yellow = medium<br>red = poor<br>When the device is switched on, the signal lamp lights up red,<br>yellow, green, and blue for 2 seconds each and then changes to the<br>colour corresponding to the air quality. |  |



## 7. Description of the menu items

7.1. Home menu



- 1: Indicates the dust measured (PM2.5 dust particles) in mg/m<sup>3</sup>
- 2: Indicates the temperature measured in °C
- 3: Indicates the relative humidity measured in %rH
- **4**: A dashed line indicates whether this value is enabled and thus included in the assessment of the air quality. If 2 or 3 of the measured values are enabled (can be set in the "Alarm values" menu), the signal lamp shows the worst (colour) value as determined by the limit values (see "Limit values" menu).
- 5: Depending on the air quality, the signal lamp lights up either green (=good), yellow (=medium), or red (=poor). The signal lamp always shows the worst (colour) value of the enabled values (see 4). Disabled limit values are not taken into account in the display status. However, critical values of the 3 individual measurement values are displayed in the form of 3 small signal lamps on the home page. In the image above, this means:
  - **5a**: Dust concentration is red (=poor); a red signal lamp lights up,
  - **5b**: The temperature is yellow (=medium); a yellow signal lamp lights up,
  - 5c: Humidity is good. Therefore, no signal lamp lights up here.
  - > all 3 values are enabled (4); in total, air quality is thus red (=poor).
- **6**: The house icon always leads to the home page.
- 7: The speed indicator icon leads to the alarm and limit value settings.
- 8: The diagram icon leads to the recorded data.
- 9: The gear icon leads to the settings.
- **10**: When selecting the name, you can enter a new, custom name showing at which production site the AirTracker is used, for example.



### 7.2. Alarm values / limit values menu

#### Alarm values

| Alarm values  |             | $\sim$ |
|---------------|-------------|--------|
| Dust          | <b>ON</b> 1 | ហ      |
| Temperature   | OFF 2       |        |
| remperature   |             |        |
| Humidity      | OFF 3       | ~~     |
|               |             | Ö      |
| <b>&lt;</b> 4 |             |        |

- 1: Enable / disable whether the measured dust value should be included in the indication of the signal lamp (see "Home" menu).
- 2: Enable / disable whether the measured temperature value should be included in the indication of the signal lamp (see "Home" menu).
- **3**: Enable / disable whether the measured humidity value should be included in the indication of the signal lamp (see "Home" menu).
- **4**: Go to "Limit values".



#### Limit values



- 1: Adjustable upper limits (dust / temperature / humidity) above which the respective signal LED lights up red.
- 2: Adjustable upper limits (dust / temperature / humidity) above which the respective signal LED lights up yellow. For values lower than this limit, the respective signal LED lights up green (for temperature and humidity until the lower limit is reached).

Regardless of the set yellow limit, the red limit is always reported first if the conditions for it are met.

**3**: Adjustable lower limits (temperature / humidity) below which the respective signal LED lights up yellow. For values above this limit, the respective signal LED lights up green until the upper limit is reached.

Regardless of the set yellow limit, the red limit is always reported first if the conditions for it are met.

- **4**: Adjustable lower limits (temperature / humidity) below which the respective signal LED lights up red.
- **5**: When this button is pressed for 2 seconds, all limit values are reset to the default values (This illustration shows the factory default values).
- 6: Back to "Alarm values".



### 7.3. Dust log menu

#### Dust log

| Dust log   | ∕∿  |
|--|-----|
| mg/m³<br>0.25—   | ហ   |
| 0.20 <u> </u>  | er) |
| 0.10 <sup>—</sup><br>0.05 <sup>—</sup>                             | ~   |
| 0.00<br>06:52 07:52 08:52 09:52 10:52 11:52 12:52 13:52 14:52<br>2 | ₽   |

1: The diagram shows the dust concentration as a function of time. The plotted values represent the measurements of the last 8 hours. The height of the Y-axis is based on the upper red limit value for dust, see the "Limit values" menu.

Graphs for temperature and humidity are not displayed, even if they are enabled in the "Alarm values" menu.

**2**: Go to "Log table".



#### Log table

| Jarterly<br>eport | ed<br>Data/<br>restart  | Save<br>in (  | report<br>csv   | Csv  | >  | ₽   |
|-------------------|---|---|---|--|--|---|
| iemory us         | ed  |   |   |  |  | -   |
|                   |   |   |   |  |  |   |
| 9/12/2024         | 12:21   | 0.02  | 24.84   | 45.96  | -  | ~   |
| 9/12/2024         | 12:06   | 0.02  | 24.86   | 45.70  |  |   |
| 9/12/2024         | 11:51   | 0.02  | 24.81   | 45.61  |  |   |
| 9/12/2024         | 11:36   | 0.02  | 24.75   | 45.79  |  |   |
| 9/12/2024         | 11:21   | 0.01  | 24.69   | 45.61  |  | ഹ   |
| ate               | Time  | mg/m³   | °C  | %rH  |  | 13  |
|                   | ate<br>/12/2024<br>/12/2024<br>/12/2024<br>/12/2024<br>/12/2024 | Time           /12/2024         11:21           /12/2024         11:36           /12/2024         11:51           /12/2024         12:06           /12/2024         12:21 | ateTimemg/m³/12/202411:210.01/12/202411:360.02/12/202411:510.02/12/202412:060.02/12/202412:210.02 | ateTimemg/m³°C/12/202411:210.0124.69/12/202411:360.0224.75/12/202411:510.0224.81/12/202412:060.0224.86/12/202412:210.0224.84 | ateTimemg/m³°C%rH/12/202411:210.0124.6945.61/12/202411:360.0224.7545.79/12/202411:510.0224.8145.61/12/202412:060.0224.8645.70/12/202412:210.0224.8445.96 | Ate       Time       mg/m³       °C       %rH         /12/2024       11:21       0.01       24.69       45.61         /12/2024       11:36       0.02       24.75       45.79         /12/2024       11:51       0.02       24.81       45.61         /12/2024       12:06       0.02       24.86       45.70         /12/2024       12:21       0.02       24.84       45.96 |

1: The table shows each measuring point with the date and time and the last 3 measured values. The measured values are displayed as the average value of the past 15 minutes.

**i** Initially the table will be displayed empty. Button **3** (Quarterly report) must be selected before the measurement data are read into the table.

2: The bar shows the memory capacity available for measurement data. The bar fills (in blue) from left to right. When the memory is full, a red frame flashes around the bar. Data is collected over a three-month period. Data older than three months are overwritten with more recent data.

If the memory is full, we recommend to delete the .csv files (6). If you wish to keep the data, you can download it to an external device (see chapter 13.2).

**3**: Pressing the button displays the current measurement data in the table. The data is not updated automatically; the button must be pressed again later.

i

Displaying the data can take up to 30 seconds.

4: This button deletes <u>all</u> stored measurement values from the database and restarts the HMI display.

We recommend to delete the data if the AirTracker is physically used in a different location. Before doing so, consider whether you want to create and download a .csv file (5).

**5**: The button creates a .csv file with measurement values shown in the table.

A .csv file is used for the long-term documentation of measured values. The .csv file can be downloaded for this purpose (see chapter 13.2.).

- **6**: Pressing this button deletes all .csv files stored on the device.
- 7: Back to "Dust log".



## 7.4. Settings menu

<u>Settings 1</u> (language / software versions)

|   | Settings 1                              |   |
|---|---|---|
|   | Language selection                      | ហ |
|   | 1 English                               |   |
|   | Version numbers:<br>2 HMI: V 1 - X - 61 | ~ |
| 5 | 3 PLC: V 0 - 0 - 0<br>< 4 SEN: 0.00     | ₽ |

- 1: Language selection (DE + EN)
- 2: Shows the HMI software version number.
- **3**: Shows the PLC software version number.
- 4: Shows the sensor software version number.
- 5: Go to "Settings 2".







The status indicating which relay is active (4 red, 5 yellow, 6 green) depends exclusively on the current dust value measured. The temperature and humidity values measured have no significance for the status. This makes sense, since the control of an air filter system has an influence on the dust level in the air, but not on temperature or humidity.

- 1: Enabling or disabling the relay function. External devices or their signal transmitters can only be controlled when the status is Enabled.
- 2: Adjustable delay time for a relay to switch on as soon as the measured dust level exceeds the dust limit. The LED display switches immediately, independently of the delay time.
- **3**: Adjustable delay time for a relay to switch off as soon as the measured dust level is below the dust limit again. The LED display switches immediately, independently of the delay time.
- **4, 5, 6**: The status indicates whether one of the relays is enabled. If so, this is indicated by the word "ON" lighting up.
- **7, 8, 9**: Enabling or disabling the "red / yellow / green relays", regardless of the measurement value. This serves as a test instrument for whether or not the relay is used to control an external device or its signal transmitter as desired.

A test can only be carried out if the relays are enabled (1).

- **10**: Back to "Settings 1".
- **11**: Go to "Settings 3".



Settings 3 (time and date)

| Settings 3         |             |              | $ \land $ |
|--------------------|-------------|--------------|-----------|
| Time setting       | gs          |              | ហ         |
| Hours 1 1 4        | Minutes 2 6 | Seconds 3 31 |           |
| Year <b>4 2024</b> | Month 5 12  | Day 6 11     | ~         |
| < 8                |             | 7 >          | ₽         |

- 1, 2, 3: Adjustable time: hours, minutes and seconds.
- 4, 5, 6: Adjustable date: year, month, day.
- 7: Back to "Settings 2".
- 8: Go to "Settings 4".







Changes made in this menu only affect the HMI of the AirTracker. If you wish to adjust the AirTracker's IP address in your network, please read chapter 13.4 or 13.5 of these instructions.

**1**, **2**, **3**: Adjustable IP address (the default value is shown).

Adjustable subnet mask (the default value is shown). Adjustable default gateway (the default value is shown).

After a setting has been changed, it must be confirmed by pressing button **5**.

- 4: When this button is pressed for 2 seconds, the IP address (1), subnet mask (2), and default gateway (3) are reset to their default values.
- 5: If a change has been made to the IP address (1), the subnet mask (2) or the default gateway (3), then the change must be accepted by pressing button 5 for 2 seconds. The HMI display is restarted.

The PLC software continues to run in the background, thus preventing the relay outputs from changing their switching state as a result of the restart.

6: Back to "Settings 3".



### 8. Maintenance

In accordance with national regulations, the operator is obliged to carry out repeat and functional tests. Unless otherwise specified by national regulations, we recommend regular visual inspections and functional tests of the device as described in the chapter "Maintenance intervals".

You find the chapter "Maintenance intervals" at the end of the document. The general maintenance (visual inspection, etc.) is also explained there.



#### WARNING

**Work on the open system entails the risk of electrical shock.** There is no maintenance work that requires opening the housing of the AirTracker. Opening is not permitted. For this purpose, the housing is also sealed. Damage to a seal will void the product warranty.

**Dangers to life and limb when non-original spare parts are used** Only original TEKA spare parts must be used.

#### 8.1. Reset to maintenance state

- Switch off the unit. Unplug the mains plug. Secure the unit against unauthorized restarting during maintenance.
- After completion of all maintenance work the unit can be reconnected to the power supply.



### 9. Diagnostics and troubleshooting

A list of possible system errors is provided in the table.

Faults indicated by control elements are explained in the chapter "Description of the control elements".

A recommissioning of the device must only occur if it is ensured that the system is functionally equivalent to the original state. Repairs may only be carried out by TEKA personnel or, after consultation with TEKA, by the personnel authorised by the operator.

Adhere to the instructions in the chapter "Safety instructions" and " Maintenance" when carrying out any repairs. If in doubt, contact our TEKA service department:

Tel: +49 2541-84841-0 E-mail: info@teka.eu

| Fault   | Cause  | Removal   |
|---|--|---|
| LED square alternates<br>between BLUE and RED   | Internal power supply is interrupted.                    | <ul> <li>Restart the device by switching the power supply off and on.</li> <li>To temporarily stop the light from flashing, you can disable all values in the "Alarm values" menu.</li> <li>If the problem persists, contact TEKA Service.</li> </ul> |
| LED square does not<br>light up   | All alarm values are disabled                            | Enable the desired values in the "Alarm<br>values" menu.<br>Note: After the AirTracker was turned<br>on, it carries out a light test.   |
| LED square lights up differently on one side  | Internal error   | Please contact the TEKA service department  |
| TEKA icon does not light<br>up  | No power supply available                                | Check whether the unit is switched on (chapter 6.1)   |
| Implausible /<br>permanently consistent   | The device has just been switched on.                    | It takes approx. 3 minutes for reliable measurement values to be displayed.   |
| measurement values  | Sensor may be defective.                                 | Contact TEKA Service.   |
| Access to AirTracker<br>interface via Access<br>Point does not work /<br>website not loading. | Network connection not yet properly established.         | Some devices require confirmation when connecting to networks without internet access. Check notifications and confirm the connection.  |
| When accessing the<br>AirTracker interface, the<br>image is just grey.                        | Website must be reloaded the first time it is connected. | Refresh the website (several times if necessary) until you are prompted to enter the password.  |



| Fault  | Cause   | Removal   |  |
|--|---|---|--|
| Accessing the FTP<br>server takes very long or<br>causes an error<br>message | Incorrect end device setting for<br>"passive FTP" | Depending on the connection method<br>used with the AirTracker, enable or<br>disable "passive FTP" (see chapter 13.3)   |  |
| Impossible to access the<br>AirTracker via network<br>connection             | Restart required                                  | Restart the device by switching the<br>power supply off and on.<br>It may take up to 5 minutes for the<br>network connection to be re-established   |  |
|  | Incorrect or modified network configuration       | <ul> <li>Reset the configuration to the TEKA presettings (User's default configuration) See chapter "Resetting the AirTracker router"</li> <li>Check the network configuration according to the steps in chapter "Network functions"</li> </ul> |  |



## 10. Technical data

| Supply voltage           | V              | 100 - 240         |
|--------------------------|----------------|-------------------|
| Current intake           | А              | 1,8               |
| Frequency                | Hz             | 50 / 60           |
| Type of current          | Ph             | 1                 |
| Brotaction class         |                | IP20              |
|                          |                | IF 20             |
| Width<br>Depth<br>Height | mm<br>mm<br>mm | 580<br>290<br>430 |



### 11. EC declaration of conformity (according to 2001/95/EC)

TEKA Absaug- und Entsorgungstechnologie GmbH Millenkamp 9, D-48653 Coesfeld Tel.:+49 2541-84841-0 E-Mail: info@teka.eu

Internet: www.teka.eu

Designation of the device: AirTracker

We declare under our sole responsibility that the following guidelines have been applied for the above mentioned product:

| Electromagnetic Compatibility: | 2014/30/EC |
|--------------------------------|------------|
| Low Voltage Directive:         | 2014/35/EU |
| RoHS directive:                | 2011/65/EU |

This declaration will become void if the device is exposed to modifications that are not approved by the manufacturer in written form.

Authorized representative for the technical documentation: TEKA Absaug- und Entsorgungstechnologie GmbH, Millenkamp 9, D-48653 Coesfeld

(Jürgen Kemper, managing director) Coesfeld, 3rd january 2025



## 12. Maintenance intervals

### 12.1. General maintenance

The described maintenances are independent from the demands of the system operations.

The operator is obliged to carry out repeated inspections and functional tests according to national regulations. If not otherwise covered by national regulations, the described maintenance intervals must be respected.

Maintenance work must always be documented by means of a protocol.

| Maintenance work   | Chapter | Maintenance interval |
|--|---------|----------------------|
| Visual inspection of the device                                  | 12.1.1. | weekly               |
| Electrical test of the electrical lines and earthing connections | 12.1.2. | annually             |

#### 12.1.1. Visual inspection of the device

Visual inspection: Observation that there are no visible safety-related defects.



WARNING
Danger arising from the ready to operate condition of the device.
Follow the procedure as described in the chapter "Set to maintenance state".

The following steps must be carried out in the course of the visual inspection:

- Ensure that all parts are firmly connected.
- Visual inspection of the control and operating elements as well as the outside running cables for damages.

12.1.2. Electrical test of the electrical lines and earthing connections



#### WARNING

Danger arising from electricity.

The operator is responsible for ensuring that all work on electric components is carried out by authorised and qualified personnel.

The device is subject to regular electrical checks by the operator of the device, and are subject to national standards of the different countries.

The here recommended maintenance interval complies with the in Germany applying "Regulation 3 of the German Social Accident Insurance - Electrical plants and equipment" (formerly known as BGV-A3).

The check must only be carried out by a qualified electrician or a person trained in electrics using suitable measuring and test devices. The scope of testing and the methods must be in line with the respective national standard. All contacts in the control cabinet must be checked for tight fit, and must be readjusted if necessary.



### 13. Network functions

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This chapter explains the basic connection types as well as the advanced network functions. The AirTracker features an integrated router for flexible connectivity. Certain network functions require changes in the router's interface settings.

### 13.1. Access to the AirTracker's interface

Access is possible from one of your end devices (e.g. PC or laptop) via Ethernet, the AirTracker Access Point or an existing network.

#### Option 1 - AirTracker Access Point:

- The IP settings for your end device can be set to automatic (DHCP), which is the standard for most end devices, especially mobile devices.
- Connect your end device to the AirTracker's WiFi. The WiFi name (SSID) is TEKA\_AirTracker\_XXXX with the 4-digit ending being different for each AirTracker. The WiFi password is: AirTracker24364
- Enter the following URL in the browser of your end device: **10.19.95.80:5800** (default setting)
- A confirmation prompt appears. The password is: **24364** Then the user interface of your AirTracker appears in the browser.

#### Option 2 - Ethernet:

- Connect your end device to the AirTracker using an Ethernet cable. Connect the Ethernet cable to the RJ45 port on the top of the device (see chapter 2.1.).
- In the network settings of your end device, set the IP address to the IP address range of the AirTracker.
  - Default IP of the AirTracker: **10.19.95.80**
  - Default IP of the router: **10.19.95.1**
  - Default subnet mask: **255.255.255.0**
- Enter the following address in the browser of your end device: **10.19.95.80:5800**
- A confirmation prompt appears. The password is: **24364** Then the user interface of your AirTracker appears in the browser.



#### Option 3 - Existing network:

- Integrate the AirTracker into an existing network. Please note the information in the chapter "Integrating the AirTracker into an existing network via Ethernet".
- Enter the IP address assigned by your network in the browser of your end device and append the network as follows: **XXX.XXX.XXX:5800**
- A confirmation prompt appears. The password is: **24364** Then the user interface of the AirTracker appears in the browser



### 13.2. Downloading log data via the AirTracker Access Point

Establishing a connection and saving data:

• Establish a connection to the AirTracker network. To do so, search for the network of the desired AirTracker on a suitable end device.



If necessary, enter the network password to establish the connection.

#### Establish FTP access:

• Open the Windows Explorer. Click on the file path and replace the current path by: ftp://10.19.95.80 (default setting of the HMI IP address).



• Enter the user name "root" and the password "24364" in the following user prompt.

| FTP-Server:   | 10.19.95.80 |   |
|---------------|-------------|---|
| Benutzername: | root        | ~ |
| Kennwort:     | 24364       |   |

• After login, two windows will open. One of them shows the folder "hmi". In the "hmi" folder, there is a subfolder "export" with the subfolder "CSV\_Datalog". The latter contains the log files in .csv format. Copy the files from the folder to your end device.

Please note! The files must be copied to your end device before they can be opened. This is not possible if they are only stored on the AirTracker.





#### Example of a .csv file:

| // CS | CSV_Datalog-20240819-072213.csv - Editor |           |             |       |       |  |
|-------|--|-----------|-------------|-------|-------|--|
| Datei | Bearbeiten                               | Format An | sicht Hilfe |       |       |  |
| Date  | Time                                     | Dust      | Temp        | RH    |       |  |
| 2024- | -08-19                                   | 07:05     | 7.3         | 21.58 | 55.45 |  |
| 2024- | -08-19                                   | 07:06     | 7.7         | 21.55 | 55.42 |  |
| 2024- | -08-19                                   | 07:07     | 8.0         | 21.52 | 55.22 |  |
| 2024- | -08-19                                   | 07:08     | 7.4         | 21.47 | 55.14 |  |
| 2024- | -08-19                                   | 07:09     | 7.6         | 21.43 | 55.28 |  |
| 2024- | -08-19                                   | 07:10     | 8.0         | 21.39 | 55.39 |  |
| 2024  | 00 10                                    | 07.11     | 7 /         | 21 26 | CC 73 |  |



### 13.3. Customizing AirTracker Windows settings / external FTP access

#### Preface:

The simplest way to download the \*.csv files from the AirTracker is directly from the (wireless)LAN created by the AirTracker. If the AirTracker is integrated in an external network, such as an existing WiFi network, a setting has to be adjusted for FTP access; otherwise, an error message similar to the following may appear:

| FTP-Ordr | nerfehler   | $\times$ |
|----------|---|----------|
| 8        | Beim Öffnen des Ordners auf dem FTP-Server ist ein Fehler<br>aufgetreten. Stellen Sie sicher, dass Sie die erforderlichen<br>Zugriffsrechte für den Ordner haben.<br>Details: |          |
|          | 200 Operation successful<br>227 PASV ok (192, 168, 1, 80, 188, 17)  |          |
|          | ОК  |          |

This chapter describes the settings required in Windows to enable access.

#### Customizing settings:

- Open the Windows internet options on your end device.
   (Start / Search > Control panel > Search control panel > enter "internet options" and open).
- Select the "Extended" tab. In "Browse" **disable** the setting "Use passive FTP". Confirm the change with "OK".

| 🚡 Eigenschaften von Internet               |  |            |  | × |  |
|--|--|------------|--|---|--|
| Allgemein<br>Verbindunger                  | tz Inh<br>Erweiter   | alte<br>'t |  |   |  |
| Einstellungen<br>Browsen<br>AutoW<br>Benad | Einstellungen  |            |  |   |  |
| Passiv                                     | Optimiseter Didley furgenerader     Passives FTP verwenden (für Firewall und DSL-Modem-Kor     Schuldlache zum öffner vor Hier optimizetige (heben der 5 |            |  |   |  |

• After changing the setting, restart your end device. You can now access the FTP server of the AirTracker via Windows Explorer.



### 13.4. Integrating the AirTracker into an existing WiFi network (wireless)

This section describes the wireless integration of the AirTracker into an existing network.

#### 13.4.1. Integrating the AirTracker via DHCP IP address allocation (wireless)

**IMPORTANT**: When using this connection type with the AirTracker, the IP address settings in the HMI (AirTracker display  $\rightarrow$  Settings 4) **must** be set to the default values!

Connecting to the integrated router of the AirTracker:

- Connect your end device to the RJ45 port (see chapter 2.1) of the AirTracker (see chapter 13.1).
- The LAN port of the AirTracker's router has the following IP address by default: **10.19.95.1** Temporarily set your end device to the same address range to have access to the router of the AirTracker.
- The following IP address can then be accessed in the browser: 10.19.95.1

Logging on to the integrated router of the AirTracker:

• The login page for the router opens in the browser. Enter the following credentials: Username: user / Password: AirTracker24364

| <b>₩TELTONIKA</b>   Networks             |          |
|--|----------|
| Authorization required Please enter your | Username |
| username and password ①                  | Password |
|  | Log in   |



After logging in, go to "Network → Wireless". In this menu, you can search for the existing WiFi network. To do this, press the "Scan 2.4 GHz" button.

| ~~                 | NETWORK           | TELTONIKA   Networks                          | Sanic Advanced                                 | Q 7 🔥 🔥         | RUT2M_R_00.07.10.4<br>View Settings |
|--------------------|-------------------|---|--|-----------------|-------------------------------------|
|                    | WAN               | Network > Wineless > \$\$IDs                  |  |                 |                                     |
| .all<br>Status     | LAN<br>Wireless v |   |  |                 |                                     |
| @<br>Network       | SSIDs<br>Radio    | 1 TEKA AirTrack Status: Running<br>Stanut: 0% | Mode: Access Point<br>BSSID: 2019712712311511A | X / Edit Delete |                                     |
| <b>D</b><br>Sustem | Firewall >        |   | Encryption: WPA2 PSK (CCMP)                    |                 | 0m                                  |
| 2921511            |                   |   |  | Scar            | 2.4GHz Add                          |
|                    |                   |   |  |                 | Save & Apply                        |

• A list of accessible WiFi networks will open. Select the desired network. Confirm the selection with "join network".

Then enter the WPA key of the target network and confirm it.

You can only connect to one additional external WiFi network; otherwise, an error message appears when you try to add the network.

• A menu window will open with settings for the target network. Check the desired settings in the "General Setup" tab.



• In the "Additional Settings", enable the function "Enable fast roaming: ON". After enabling the function, an additional tab "Fast Roaming" will appear. The basic settings can be used here.

| ^              | 2,4GHz SSID           | configuration     |                   |
|----------------|-----------------------|-------------------|-------------------|
| General Setu   | p Additional Settings | Wireless Security | Advanced Settings |
| Enable         | on                    |                   |                   |
| Auto-reconnect | on                    |                   |                   |
| Mode           | Client                | ~                 |                   |
| SSID *         | 2,4GHz                |                   |                   |
| BSSID          | B0:F2:08:40:76:59     |                   |                   |
| Password *     |                       | ø                 |                   |
| Network        | wifi1                 | ~                 |                   |
|                |                       |                   |                   |
|                |                       |                   | Save & Apply      |

• Then you can confirm with "Save & Apply".





• After that, the settings for "wifi1" will open. The default settings can be applied here.

| <ul> <li>Interfaces: wifi1</li> </ul> | l                  |                     |                   |
|---------------------------------------|--------------------|---------------------|-------------------|
| General Settings                      | Advanced Setting   | s Physical Settings | Firewall Settings |
|                                       | Enable 🧲           | on                  |                   |
|                                       | Name * w           | ifi1                |                   |
|                                       | Protocol D         | НСР                 | ~                 |
| Hostname to send when                 | requesting DHCP e. | g. RUT200           |                   |
|                                       |                    |                     |                   |
|                                       |                    |                     | Save & Apply      |

• Then you can confirm with "Save & Apply".



Accessing the AirTracker interface via the existing network:

• Go to "Status / Network / Topology". This is where you can see the IP address of the existing network assigned to the AirTracker, for example.

| <<      | STATUS   | TELTONIKA   Networks           | Basic Advanced Q /                  |
|---------|----------|--------------------------------|-------------------------------------|
|         |          | Status 3 historick 3 Tappinger |                                     |
| 4       | System   | more a memory a selected.      |                                     |
| Status  | Topology | ~ Topology                     |                                     |
| Network |          |                                |                                     |
| ь       |          |                                | woldstat how devices -              |
| System  |          | Scen WAN                       | with the form                       |
|         |          | Scan all                       |                                     |
|         |          |                                |                                     |
|         |          | A Scan LAN                     | IP: 10.19.95.1/24; Active devices - |

- You can disconnect the Ethernet connection from your end device to the AirTracker. Make sure that your end device is connected to the correct network after the changes to the settings.
- With the allocated IP address plus the port "5800", the AirTracker interface can now be opened in any browser. For example: **192.168.188.11:5800** The password prompt appears in the browser. The password is: **24364**. Then the user interface of the AirTracker appears.

#### 13.4.2. Integrating the AirTracker using a static IP address (wireless)

**IMPORTANT**: When using this connection type with the AirTracker, the IP address settings in the HMI (AirTracker display  $\rightarrow$  Settings 4) **must** be set to the default values!

Connecting to the integrated router of the AirTracker:

- Connect your end device to the RJ45 port (see chapter 2.1) of the AirTracker (see chapter 13.1).
- The LAN port of the AirTracker's router has the following IP address by default: **10.19.95.1** Temporarily set your end device to the same address range to have access to the router of the AirTracker.
- The following IP address can then be accessed in the browser: 10.19.95.1



Logging on to the integrated router of the AirTracker:

• The login page for the router opens in the browser. Enter the following credentials: Username: user / Password: AirTracker24364

| <b>TELTONIKA</b>   Networks                  |            |
|--|------------|
| Authorization required                       | Username   |
| Please enter your<br>username and password ③ | Password Ø |
|  | Log in     |

After logging in, go to "Network → Wireless". In this menu, you can search for the existing WiFi network. To do this, press the "Scan 2.4 Ghz" button.

| ٠٠                    | NETWORK        | <b>TELTONIKA</b>   Notwo     | orks                            | Basic Advanced  | QI              | RUT2M_R_00.07.10.4<br>View Settings |
|-----------------------|----------------|------------------------------|---------------------------------|---|-----------------|-------------------------------------|
| <b>.afi</b><br>Status | WAN<br>LAN     | Network > Wireless > \$\$IDs |                                 |   |                 |                                     |
| Network               | SSIDs<br>Radio | 1 TEKA_AirTrack              | Status: Running<br>Signat: 0% 🧇 | Mode: Access Point<br>85580: 20(97)27/23/15/1A<br>Clients: 0<br>Encryption: WPA2 PSK (CCMP) | X × telt Delete | <b>On</b>                           |
| System                | Fritovan ,     |                              |                                 |   | Sca             | n 2.4GHz Add                        |

• A list of accessible WiFi networks will open. Select the desired network. Confirm the selection with "join network".

Then enter the WPA key of the target network and confirm it.

You can only connect to one additional external WiFi network; otherwise, an error message appears when you try to add the network.

• A menu window will open with settings for the target network. Check the desired settings in the "General Setup" tab.



• In the "Additional Settings", enable the function "Enable fast roaming: ON". After enabling the function, an additional tab "Fast Roaming" will appear. The basic settings can be used here.

| 2,4GHz SSID configuration |                     |                   |                   |  |  |  |
|---------------------------|---------------------|-------------------|-------------------|--|--|--|
| General Setu              | Additional Settings | Wireless Security | Advanced Settings |  |  |  |
| Enable                    | on                  |                   |                   |  |  |  |
| Auto-reconnect            | on                  |                   |                   |  |  |  |
| Mode                      | Client              | ~                 |                   |  |  |  |
| SSID *                    | 2,4GHz              |                   |                   |  |  |  |
| BSSID                     | B0:F2:08:40:76:59   |                   |                   |  |  |  |
| Password *                |                     | ø                 |                   |  |  |  |
| Network                   | wifi1               | ~                 |                   |  |  |  |
|                           |                     |                   |                   |  |  |  |
|                           |                     |                   | Save & Apply      |  |  |  |

• Then you can confirm with "Save & Apply".



• After that, the settings for "Interfaces: wifi1" will open. Select "Static" in the drop-down menu under "Protocol".

| <ul> <li>Interfaces: wifi1</li> </ul> |                 |                   |                   |
|---------------------------------------|-----------------|-------------------|-------------------|
| General Settings Adv                  | anced Settings  | Physical Settings | Firewall Settings |
|                                       | Enable          | on                |                   |
|                                       | Name *          | wifi1             |                   |
|                                       | Protocol        | DHCP              | ^                 |
| Hostname to send when r               | requesting DHCP | Q Search          |                   |
|                                       |                 | None              |                   |
|                                       |                 | Static            |                   |
|                                       |                 | DHCP              |                   |
|                                       |                 | DHCPv6            | Save & Apply      |

 After that, further input windows will open in which the desired IP address for the AirTracker is entered.

| <ul> <li>Interfaces: wifi</li> </ul> | 1            |               |                 |          |          |                   |
|--------------------------------------|--------------|---------------|-----------------|----------|----------|-------------------|
| General Settings                     | IPv6 Settir  | ngs Ad        | vanced Settings | Physical | Settings | Firewall Settings |
|                                      | Enable       | on 💽          |                 |          |          |                   |
|                                      | Name *       | wifi1         |                 |          | )        |                   |
| _                                    | Protocol     | Static        |                 | ~        | )        |                   |
| IP                                   | v4 address * |               |                 |          |          |                   |
| IP                                   | /4 netmask * | 255.255.255   | 5.0             | ~        | )        |                   |
|                                      | IPv4 gateway | e.g., 0.0.0.0 |                 |          | )        |                   |
| IF                                   | V4 broadcast | e.g., 192.16  | 8.1.255         |          | )        |                   |
|                                      | DNS servers  |               |                 |          | •        | Save & Apply      |

- Then you can confirm with "Save & Apply".
- After these steps, the AirTracker is integrated in the desired network as a participant.



Accessing the AirTracker interface via the existing network:

• Go to "Status → Network → Topology". This is where you can see the IP address assigned to the AirTracker, for example.

| <<      | CTATUS    | TELTONIKA   Networks        | Basic Advanced Q /                           |
|---------|-----------|-----------------------------|--|
|         | SIRIUS    |                             |  |
|         | System    | Status > Network > Topology |  |
| -A      | Network ~ |                             |  |
| Status  | Topology  | ~ Topology                  |  |
| Network |           |                             |  |
|         |           |                             | Problem Provide Active devices -             |
| System  |           | Scan WAN                    |  |
|         |           | www                         | with     In     Active devices               |
|         |           | Scars all                   |  |
|         |           |                             |  |
|         |           | A Scan LAN                  | ) Ien<br>IP: 10.18.95.1/24; Active devices - |
|         |           | UAN                         |  |

- You can disconnect the Ethernet connection from your end device to the AirTracker. Make sure that your end device is connected to the correct network after the changes to the settings.
- With the static IP address plus the port "5800", the AirTracker interface can now be opened in any browser. For example: **192.168.188.11:5800** The password prompt appears in the browser. The password is: **24364**. Then the user interface of the AirTracker appears.



### 13.5. Integrating the AirTracker into an existing LAN (wired)

The following section describes the wired integration into an existing LAN (Local Area Network) by connecting the AirTracker via Ethernet cable to the RJ45 port (see chapter 2.1).

#### 13.5.1. Integrating the AirTracker via DHCP IP address allocation (wired)

We recommend a WiFi connection for DHCP operation of the AirTracker. The AirTracker is not designed for wired DHCP operation.

If wired operation of the AirTracker is necessary in a DHCP network, we recommend assigning a static IP to the AirTracker (AirTracker interface  $\rightarrow$  Settings 4, see following section) that is within the appropriate address range but outside the automatically assigned DHCP range.

For further information on network configuration, please contact your system administrator or router manufacturer. In addition, the following settings are to be made in the AirTracker router:

#### Connecting to the integrated router of the AirTracker:

- Connect your end device to the RJ45 port (see chapter 2.1) of the AirTracker (see chapter 13.1).
- The LAN port of the AirTracker's router has the following IP address by default: **10.19.95.1** Temporarily set your end device to the same address range to have access to the router of the AirTracker.
- The following IP address can then be accessed in the browser: 10.19.95.1

Logging on to the integrated router of the AirTracker:

• The login page for the router opens in the browser. Enter the following credentials: Username: user / Password: AirTracker24364

| <b>₹₹₹₹₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽</b>                           |            |
|--|------------|
| Authorization required<br>Please enter your<br>username and password ③ | Password 🥢 |
|  | Log in     |



Customizing the LAN port settings of the AirTracker:

- Go to "Network  $\rightarrow$  LAN".
- Then select "Edit".

|         | NETWORK  | TELTONIKA     | Networks                   | Balk Advanced  | Q / 6  | RUT2M_R_00.07.10.4<br>View Settings | • •          | <b>J</b> , ~ |
|---------|----------|---------------|----------------------------|--|--|-------------------------------------|--------------|--------------|
|         | WAN      | Network > LAN |                            |  |  |                                     |              |              |
| -A      | LAN      |               |                            |  |  |                                     |              |              |
|         | Wireless | ~ LAN inte    | erfaces                    |  |  |                                     |              |              |
| •••••   | Frend    | 1   Ian       | Status: Up<br>Type: Drilps | NPC10.15/36.5.QA ()<br>Protocolt static<br>NANC: 20197/27/27/15/18 | Saptime: 15 42m 25s<br>TR: 54.17 48<br>R0: 373-52 40 | en                                  | ≠ 642 state  |              |
| testern |          |               |                            |  |  |                                     | Add          |              |
|         |          |               |                            |  |  |                                     |              |              |
|         |          |               |                            |  |  |                                     | Save & Apply |              |
|         |          |               |                            |  |  |                                     |              |              |
|         |          |               |                            |  |  |                                     |              |              |

- In the menu that opens, disable the settings "Enable DHCPv4 " and " Enable DHCPv6".
- Confirm with "Save & Apply".

| <ul> <li>Interfaces: lan</li> <li>General Settings</li> </ul> | IPv6 Settings A | dvanced Settings | More ~ |              |
|---|-----------------|------------------|--------|--------------|
|   | Enable          | on               |        |              |
|   | Name *          | lan              |        | )            |
|   | Protocol        | Static           | ~      | )            |
|   | IPv4 address *  | 10,19,95,1       |        | )            |
|   | IPv4 netmask *  | 255.255.255.0    | ~      | )            |
|   | Enable DHCPv4   | off              |        |              |
|   | Enable DHCPv6   | off              |        | Save & Apply |

- You can use the AirTracker with a static IP in the DHCP network.
- Make sure that your end device and the AirTracker are connected to the correct network.
- With the static IP address plus the port "5800", the AirTracker interface can now be opened in any browser. For example: 10.19.95.80:5800
   The password prompt appears in the browser. The password is: 24364. Then the user interface of the AirTracker appears.



13.5.2. Integrating the AirTracker using a static IP address (wired)

 To establish a connection with static IP address, you can use the preset default values or adjust them to your application case in the Settings 4 menu.
 It is usually not necessary to change settings in the AirTracker's internal router.

| Settings 4  |                | $\sim$         |
|---|----------------|----------------|
| IP-address  |                | ហ              |
| 10 . 19 . 95 . 80   |                |                |
| Subnet mask   | Default values | ( <u>Cov</u> ) |
| 255.255.255.0   |                |                |
| Default gateway   | Apply/         | ~~             |
| 10.19.95.1  | restart        |                |
| If you change the settings, the router configuration must also be adjusted! | >              | ₽              |

- Make sure that your end device and the AirTracker are connected to the correct network.
- With the static IP address plus the port "5800", the AirTracker interface can now be opened in any browser. For example: **10.19.95.80:5800** The password prompt appears in the browser. The password is: **24364**. Then the user interface

of the AirTracker appears.



## 14. Defining the router's transmission properties

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This chapter only applies to AirTrackers operated outside of Germany.

This chapter explains how to change the transmission properties, such as the transmission power and the frequency band. These are specified by national laws and vary depending on the location of the AirTracker. The AirTracker is set by default to operate in Germany.

#### Connecting to the integrated router of the AirTracker:

- Connect your end device to the RJ45 port (see chapter 2.1) of the AirTracker (see chapter 13.1).
- The LAN port of the AirTracker's router has the following IP address by default: **10.19.95.1** Temporarily set your end device to the same address range to have access to the router of the AirTracker.
- The following IP address can then be accessed in the browser: 10.19.95.1

#### Logging on to the integrated router of the AirTracker:

• The login page for the router opens in the browser. Enter the following credentials: Username: user / Password: AirTracker24364

| <b>₩TELTONIKA</b>   Networks   |            |
|--|------------|
| Authorization required<br>Please enter your<br>username and password ⑦ | Password Ø |
|  | Log in     |



• Go to "Network" --> "Wireless"  $\rightarrow$  "Radio".

| <د                      | NETWORK                                  | TELTONIKA   Networks      | Basic Advanced   | Q / A RUT2M | R_00.07.10.4<br>ttings | <b>≜</b> ~ <b>−&amp;</b> ~ |
|-------------------------|--|---------------------------|--|-------------|------------------------|----------------------------|
| _d<br>Status<br>Retwork | WAN<br>LAN<br>Whreless<br>SSIDs<br>Radio | Network > Wreless > Radio | Country code DE - Germany  | ~ )         |                        |                            |
| <b>B</b><br>System      | Firewall >                               | ~ Radios                  |  |             |                        |                            |
|                         |  | 2.46Hz                    | Status: Running<br>Standard: 802.11b/g/n<br>Channet 3 (2.42 GHz) |             | ≠ 148                  | en on                      |
|                         |  |                           |  |             |                        | Save & Apply               |

- The country in which the AirTracker is operated can be selected under the item "Country code".
- Confirm with "Save & Apply".



### 15. Resetting the AirTracker router

1 This chapter explains how to reset the internal router to TEKA factory settings. All settings made by the user will be lost.

Connecting to the integrated router of the AirTracker:

- Connect your end device to the RJ45 port (see chapter 2.1) of the AirTracker (see chapter 13.1).
- The LAN port of the AirTracker's router has the following IP address by default: **10.19.95.1** Temporarily set your end device to the same address range to have access to the router of the AirTracker.
- The following IP address can then be accessed in the browser: 10.19.95.1

Logging on to the integrated router of the AirTracker:

• The login page for the router opens in the browser. Enter the following credentials: Username: user / Password: AirTracker24364

| <b>TELTONIKA</b>   Networks                  |            |
|--|------------|
| Authorization required                       | Username   |
| Please enter your<br>username and password ⑦ | Password Ø |
|  | Log in     |

• Go to "System" --> "Maintenance"  $\rightarrow$  "Reset Settings".



• IMPORTANT: under "Reset settings", select the item "User's default configuration".

| ~~                 | SYSTEM                   | CTELTONIKA   Networks Basic Advanced Q / 🚓 BUT2NUR,03.07.10.4 🌲 - 👗 -  |
|--------------------|--------------------------|--|
|                    | Maintenance +            | System > Maintenance > Reset Settings  |
|                    | Backup<br>Reset Settings | ∧ Reset settings   |
| e<br>Network       |                          | Reset type System settings. Factory defaults 🛞 User's default contiguration  |
| <b>b</b><br>System |                          | Reset  |
|                    |                          | ~ Create user's default configuration  |
|                    |                          | Creation date 2025-01-21 11:55:00  |
|                    |                          | Create Remove  |
|                    |                          | (i) The configuration should only be<br>created if you intend to reset the user's<br>default configuration settings. |

• The process is started by pressing the "Reset" button. The settings will be reset and the router will restart. This can take a few minutes. Then the router is in its default state.

The backup function is used to create and restore configurations. It is recommended to use this function only in consultation with the TEKA service department.