

## Instructions MULTIPICK ATT

Valid as from: 1/2018

**Originalbetriebsanleitung in  
deutscher Sprache. Für künftige  
Verwendung aufbewahren!**

### Distributed by:

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### 1. General

Congratulations on your purchase of the world's first and unique electric tensioner, the MULTIPICK ATT - The key technology for a successful cylinder lock opening!

With the new MULTIPICK electric tensioner, almost every lock can be opened in combination with a lock picking tool, such as the MULTIPICK MHP PRO. In addition to general (safety) instructions, the following guidance lists and describes the functions and operating instructions of the electric tensioner MULTIPICK ATT.

### 2. Preface

- These operating instructions must be available to the operator at all times.
- These operating instructions are intended to make it easier for you to:
  - Familiarize yourself with the MULTIPICK ATT,
  - Operate the MULTIPICK ATT accordingly to its intended purpose,
  - Make optimum use of the MULTIPICK ATT.
- Please read and follow these operating instructions carefully.
- It contains important information for:
  - safe and
  - proper operation of the Multipick ATT.
- Your observance is the assurance:
  - for the safety of the operator
  - for the prevention of dangerous situations
  - for a flawless operation of the MULTIPICK ATT.
- The manufacturer assumes no liability for damage and malfunctions resulting from the non-observance of these operating instructions






### 3. Warranty

The warranty regulations, according to the general terms and conditions of MULTIPICK service, apply in the version valid at the time of delivery.

## Safety - Accident Prevention

### 1. Warnings and Special Indications

In this manual, the following terms & signs are used for safety warnings and indications:

<b>DANGER!</b> 	Indicates an imminent danger. Non-compliance with the notice may lead to serious injury or death.
<b>WARNING!</b> 	Indicates a potentially dangerous or hazardous situation. Failure to comply with this notice can cause serious injury.
<b>CAUTION!</b> 	Indicates a potentially dangerous situation. Failure to comply with this notice can cause minor injury.
<b>ATTENTION!</b> 	Special instructions and prohibitions for damage prevention.
<b>NOTE!</b> 	Specific information regarding the effective and smooth operation as well as important additional information.

### 2. Intended Use

- The MULTI-PICK ATT may only be used for tensioning/opening of cylinder locks. Any other use is considered improper and therefore should be avoided! The manufacturer/supplier shall not be liable for any resulting damage. The risk is borne by the user alone.
- Before using the MULTI-PICK ATT other than the above-mentioned application area, the customer service of MULTI-PICK service is to be consulted, otherwise the warranty shall become null and void.
- Usage for the intended purpose also includes complying with the operating manual.

- The MULTI PICK ATT may only be operated, maintained and serviced by qualified personnel.
- The MULTI PICK ATT may only be used with original accessories from MULTI PICK Service ([www.MULTIPICK.com](http://www.MULTIPICK.com)).

### 3. Improper Use

- Utilising the product without reading and following the instruction manual.
- Utilising the product beyond the operating limits (lawful use, etc.).
- Opening/ Dismantling the MULTI PICK ATT.
- Deliberate or careless handling of the product
- Causing bodily injury or damage to a third party.

### 4. Safety Hazards - Accident Prevention

The MULTI PICK ATT has been constructed in accordance with state-of-the-art technology and the recognised safety rules and regulations. Compliance with the relevant occupational safety and accident prevention regulations are provided for:

#### ATTENTION!



- **NEVER** leave the device unattended and accessible to children.
- **NEVER** remove any safety devices or render them nonfunctional through alteration of the unit.
- Operating the MULTI PICK ATT with technical defects is prohibited.
- Strictly use genuine spare parts from MULTI PICK Service. Only these conform to the specified technical requirements.

### 1. Lithium-ion batteries

Please note that lithium-ion cells may only be utilised by qualified personnel. Incorrect handling or short circuit may lead to fire or explosion.




## 2. Behaviour in Emergency Situations

By releasing the control switch, each movement will be immediately stopped.

## 3. Noise Emission

The A-rate equivalent continuous sound pressure level is below 70 db (a)

## 5 . Disclaimer

<p><b>NOTE!</b></p>  A blue square icon containing a white lowercase letter 'i', representing an information or note.	<ul style="list-style-type: none"><li>▪ The use of the MULTIPICK ATT without any experience or training is not advisable. This is not recommended.</li><li>▪ MULTIPICK Service does not accept any liability for damages and costs caused by improper use.</li><li>▪ The use of the MULTIPICK ATT is only permitted for commercial and legal use.</li></ul>
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## 6 .CE-Marking

The MULTIPICK ATT is built in accordance with the currently valid EC directives. The Declaration of conformity loses its validity if the MULTIPICK ATT is rebuilt or modified without the approval of MULTIPICK service.

## 7 Loss of Warranty

The MULTIPICK ATT may only be opened, repaired and serviced by Multipick Service and / or authorised service partners. The only exception a user is allowed to do is to open the cover from the housing via quick release to insert the lithium-ion cells (insert / change battery). Should the MULTIPICK ATT be opened willfully, the device will lose its warranty.

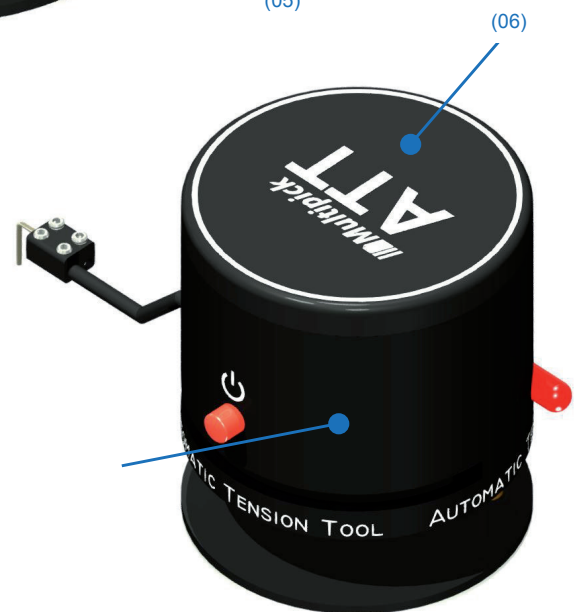
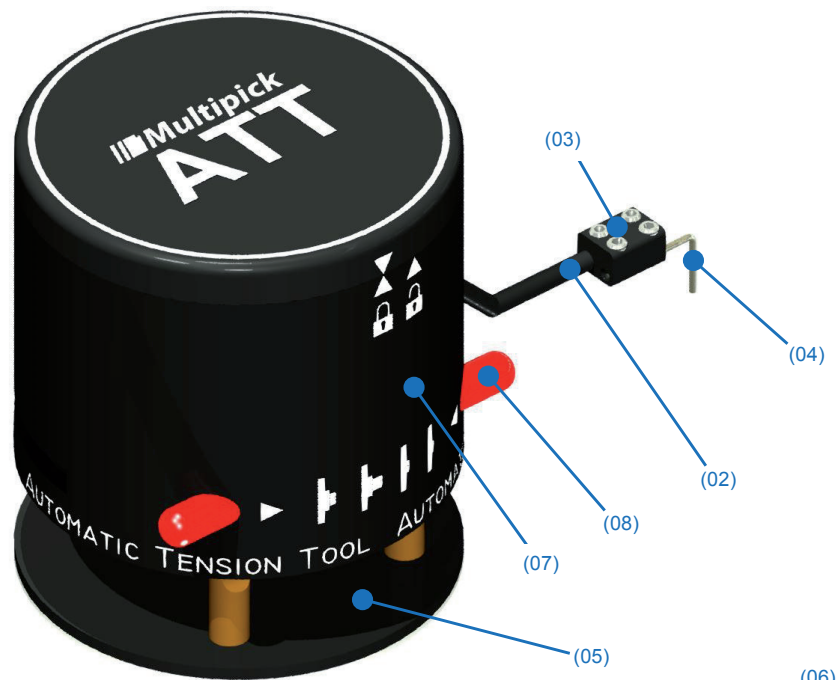
## 8 Electric Tensioner MULTIPICK ATT

## **1. Scope of Delivery**

- 1 Electric Tensioner MULTIPICK ATT
- 4 Lithium- Ionen Batteries
- 2 Storage Boxes for Batteries
- 2 Tension Needles
- 1 Charger
- 1 Country-specific Power Adapter
- 1 Car Charger Adapter

## 2. Operation

### a. General

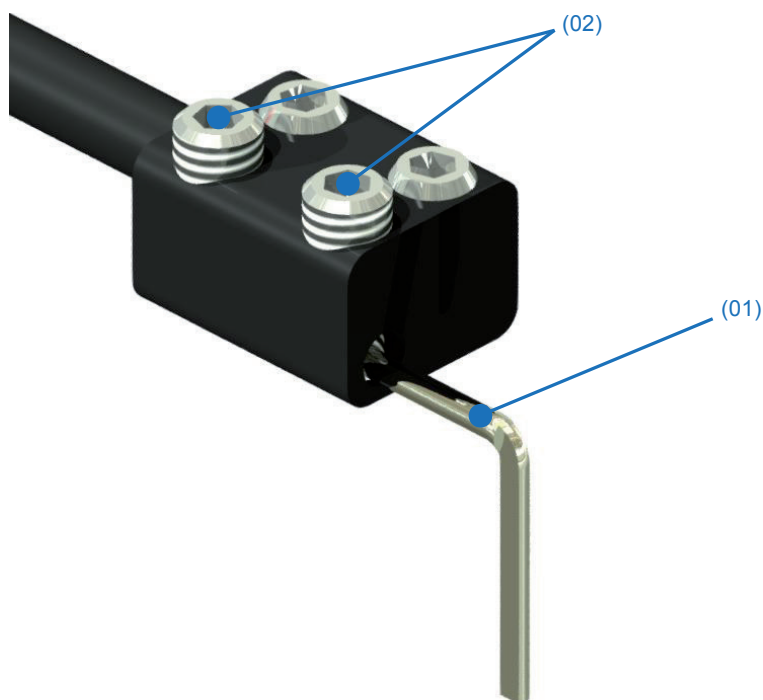


- (01) Control Switch
- (02) Manipulator
- (03) Clamping Rail
- (04) Tension Needle
- (05) Spacer
- (06) Cover
- (07) Housing
- (08) Height Adjustment Knob

## **b. Commissioning/ Preparing for Operation**

### **1. Inserting & Changing the Tension Needle**

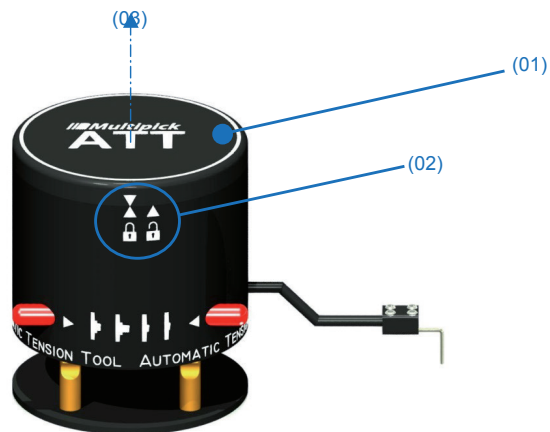
- To insert or to change the tension needle (01), unscrew the two lower screws (02) on the clamping rail (03) with an Allen wrench (SW 1.5) by turning towards the left. Make sure that you do not unscrew the screws completely out of the housing.
- To change, remove the tension needle (01).
- Now, insert a new tension needle into the clamping rail. Make sure that the:
  - tension needle sits in alignment with the clamping rail at the rear end (top view: left)..
  - grounded surface of the tension needle is not inserted into the clamping rail.
- To fix the needle, use an Allen wrench and turn the loosened screws (02) towards the right until you notice an average resistance.



### **2. Inserting/ Replacing Batteries**



- To insert or replace the lithium-ion batteries, first, open the cover (01) with a slight twist towards the left until the sign shifts from lock to unlock (02).
- Then lift the cover out axially (03) and lay it aside.



## **NOTE!**



The arrows on the HOUSING (▲) as well as on the COVER (▼) must always be positioned exactly on top of each other (lock/unlock) when removing as well as they are inserted.

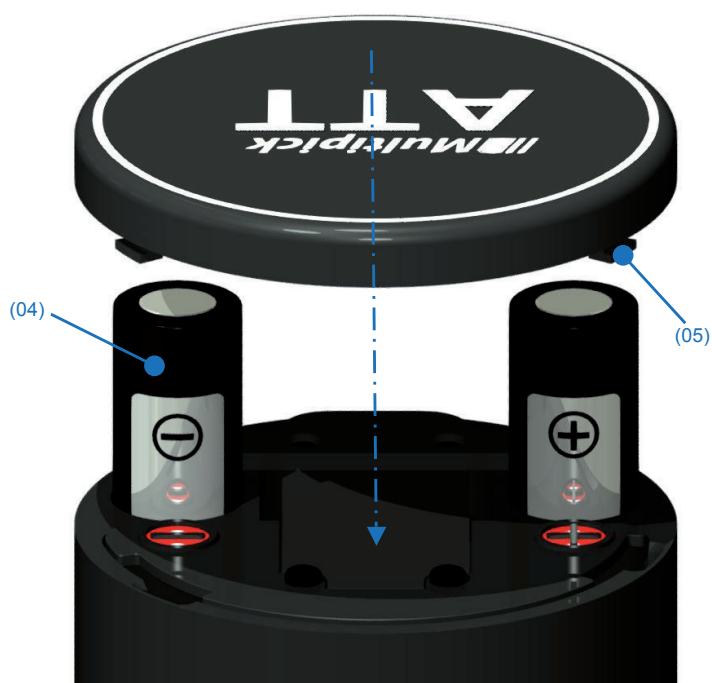
- To replace the batteries remove the two lithium-ion batteries (04).
- Now, insert two charged batteries into the device as indicated.

## **ATTENTION!**



- Make sure that the locking lugs (05) are not damaged during exchange or insertion process.
- Make sure that the poles are inserted correctly according to the instructions and the marking on the device.





- Now, take the cover and insert it axially into the housing. Press the cover gently towards the housing and turn it slightly towards the right until the symbol moves from unlock to lock and snaps back into the housing.

**ATTENTION!**

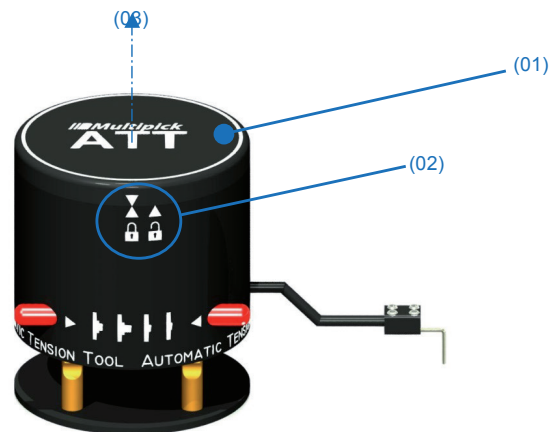


- Exclusively use battery packs from MULTIPICK.
- Do not use damaged or deformed battery packs.

**3. Positioning on/to the Lock**

*Distance between the Electric Tensioner and the Door*

- To insert or replace the lithium-ion batteries, first, open the cover (01) with a slight twist towards the left until the sign shifts from lock to unlock (02).
- Then lift the cover out axially (03) and lay it aside.



## **NOTE!**



The arrows on the HOUSING (▲) as well as on the COVER (▼) must always be positioned exactly on top of each other (lock/unlock) when removing as well as they are inserted.

- To replace the batteries remove the two lithium-ion batteries (04).
- Now, insert two charged batteries into the device as indicated.

## **ATTENTION!**



- Make sure that the locking lugs (05) are not damaged during exchange or insertion process.
- Make sure that the poles are inserted correctly according to the instructions and the marking on the device.

	tension needle.
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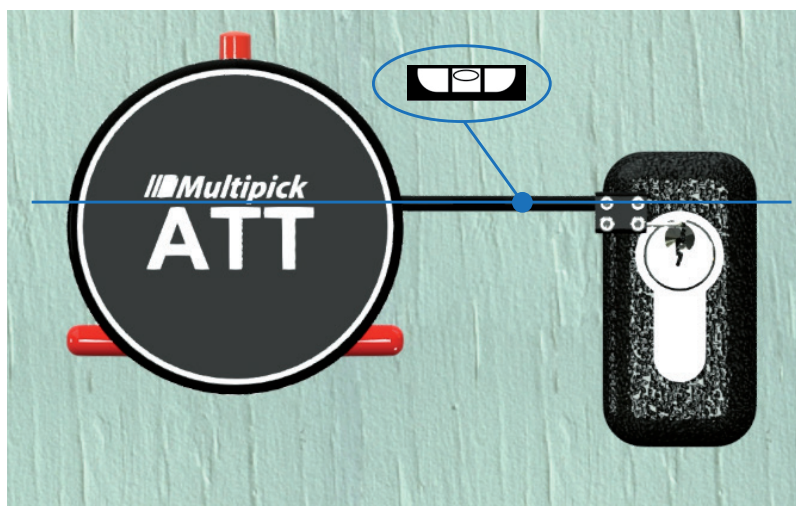
### ***Position of the Electric Tensioner to the Lock***

- Depending on the accessibility of the lock, the manipulator can be shifted to the left or to the right.

#### **NOTE!**



To get the maximum use out of the MULTIPICK ATT electric tensioner, make sure that the tension needle or the manipulator is placed exactly horizontal towards the lock.



### **c. Usage**

The Multipick ATT has a total of 3 different operating modes which are described separately in the following section.



### 1. Switching On

By briefly pressing and releasing the control switch, the MULTIPICK ATT switches on and is ready to be used. This is indicated by a green status light and a short beep (during the beep the LED will be switched off).

### 2. Input/Neutralization of the Opening Direction

- The default opening direction when switching on the device is neutral, means that the device can open the lock to the RIGHT or to the LEFT.
- To open the lock to the right, just drag the manipulator to the RIGHT opening direction. This setting will be confirmed by a blue status light and a short beep. To open the lock to the left, drag the manipulator from the neutral position to the LEFT opening direction and wait for the confirmation signal.
- The neutralization of the opening direction of RIGHT or LEFT is done by dragging the manipulator in the opposite direction. The confirmation of the neutral opening direction will be indicated by two short beeps with the LED turned off.

### 3. Changing Operating Modes


- When the electric tensioner is switched on - Mode 1 (Automatic Mode) is automatically set.
- By pressing the control switch you can change the operating modes in the following sequence: Mode 1 → Mode 2 → Mode 3 → Mode 1 → ...
- The modes are described as follows:


Mode	Beep	LED Colour	Description Mode
Mode 1	1x Short	1x Short BLUE flickering	Universal combination of all modes
Mode 2	2x Short	2x Short BLUE flickering	Locks with safety pins
Mode 3	3x Short	3x Short BLUE flickering	Locks with full pins




#### 4. Tensioning Process

- After setting the optimum position of the electric tensioner on the lock, selecting the opening direction and the setting of the operating mode the tensioning process can be started.

<p><b>NOTE!</b></p> 	<p>For a quick and safe opening success, we recommend using the MULTIPICK MHP PRO electric pick gun. The integrated pulse mode in the MULTIPICK MHP PRO is tuned exactly to the opening algorithms of the MULTIPICK ATT electric tensioner and thus qualifies as an optimum and reliable opening tool.</p>
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<p><b>ATTENTION!</b></p> 	<ul style="list-style-type: none"> <li>▪ The function of the device can only be guaranteed if it is not moved or interrupted during the opening process.</li> <li>▪ Avoid any movement or constant pressure while using the device towards the door.</li> <li>▪ If the device slips, the process must start from the beginning.</li> </ul>
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5. The actual tensioning process starts with a measuring phase of the cylinder. During this phase the user should refrain from picking. The measurement is visualized by a red status light.
6. After the status light has changed colour from RED (measurement) to GREEN (tension), the picking process can be started. The active tension process will be indicated by a continuous green status light.
7. The potential opening is indicated to the user with a WHITE status light and three short beeps. Under a potential opening, the device understands the tilt position (lock is not yet open, but heavily tilted) as well as the complete opening of the lock.

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- A grayscale background image showing a close-up of a mechanical lock cylinder and its surrounding housing. The image is slightly faded and serves as a backdrop for the text.
- a. If the lock has been opened successfully, the control switch can be released and the device removed. The manipulator will stay in this position for a few seconds to prevent closing of the lock.
  - b. If the lock is in the tilt position (not completely open), the control switch can be held on to continue the tensioning process. The device stores the lock settings and adjusts the algorithms accordingly to increase the opening success at the next attempt. Here too the tensioning process begins with the measuring phase of the cylinder. In this phase, you should refrain from picking. The measurement is indicated by a red status light.

After changing the RED status light (measurement) to GREEN (tension), the picking process can be continued.
  - c. You also have the option to restart the tensioning process after releasing the switch. However, this must be done within a time frame of 20 seconds. Otherwise lock settings and learned parameters will reset. This reset comes with a long beep. During this beep, the status LED will be red.

## **8. Switching Off**

- The device will automatically switch off itself after 60 seconds when not in use. It can be switched on again by pressing the control switch.

## **9. Battery Empty / Replacement Necessary**

- Once the batteries are empty, the device can no longer be used - the batteries must be replaced or recharged (see corresponding description).
- The necessity to change the batteries will be indicated to the user with three long flickering red status lights and a beep. Thereafter, the device will automatically switch off itself.

## **10. Error Messages**

### **a. Errors in Measuring System**

- If the red status light flickers five times with parallel beeps, the device indicates an error in the measuring system.
- The device must be switched off and the user must check to see whether the manipulator is freely movable. The manipulator should not be jammed.
- When restarting the device, make sure that the manipulator is freely movable.
- Should the error signal (5x beep and 5x RED) continue to appear after switching on again, then the device must be checked by Multipick Service. Please contact customer service.

### **b. Error in Parameters**

- If the red status light flickers six times along with parallel beeps, the device indicates an error in the parameters.
- In this case, the user should contact Multipick customer service immediately. The device must be inspected by Multipick Service.

#### d. Storage / Maintenance

Your MULTIPICK ATT has been developed and manufactured with great care and should also be treated with care. The following recommendations are intended to help you to preserve your warranty claims & rights.

##### **NOTE!**



- Always store the device in a dry place. Condensation, moisture and all types of liquids and humidity contain minerals that will corrode electronic circuits.
- If the MULTIPICK ATT does get wet, remove the battery and allow the device to dry completely before replacing battery again.
- Do not use or keep the unit in dusty, dirty environments. Particles of dust can damage moving parts and electronic components.

##### **NOTE!**



- Never leave the MULTIPICK ATT in extremely high or low temperatures for a long time.
- Extreme temperature differences can cause condensation to form inside the device. This can lead to corrosion and damage to the electronics.
- Avoid dropping the device. Impacts, shocks and other vibrations can cause damage to the electronics and to mechanical parts.
- Clean the MULTIPICK ATT only with a clean, dry and soft cloth.
- The use of cleaning agents can cause damage to the surface of the electric tensioner.





## 9 LITHIUM ION BATTERY CELLS

### 1. Technical Specification

- Capacity .....800mAh
- min. Capacity.....750mAh
- Nominal Voltage.....3.7V
- End-of-Charge Voltage.....4.2V  $\pm$  0.05
- Max. Continuous Current.....1C / 0.8A
- Final Discharge Voltage.....3.0V
- PCB Protection .....None
- Chemicals.....LiNiMnCo
- Weight .....26g  $\pm$  1
- Charging Procedure.....CC-CV
- Operating Temperature - Charging.....0 - 25°C
- Operating Temperature - Discharging....-20 - 40°C

### 10 Operation/Usage LITHIUM ION BATTERY CELLS

<p><b>ATTENTION!</b></p> 	<ul style="list-style-type: none"> <li>▪ The MULTIPICK ATT comes with two unprotected lithium-ion rechargeable batteries.</li> <li>▪ As soon as the performance weakens, replace the batteries immediately with fully charged batteries.</li> <li>▪ Never discharge the batteries completely. This will destroy the battery.</li> </ul>
<p><b>NOTE!</b></p> 	<p>To obtain an optimum charge, always charge only one battery in the supplied charger.</p>

## **2. General Information**

Charging lithium-ion batteries requires a special charger that charges the batteries according to a special charging procedure. The batteries must not be charged with a voltage more than 4.2 volts, otherwise there is a risk of fire and explosion. It is advantageous to charge the batteries only up to approx. 4.1 volts, as this can significantly increase the life span and the number of charge cycles.

Furthermore, used up batteries must duly be disposed and do not belong into domestic-waste! Please dispose of these as prescribed by the legislator at municipal collection points or in the designated [mostly green] containers.

## **3. Charging/ Storage/ Other Notes**

- Only charge the battery with a suitable lithium-ion battery charger.
- The battery can be used at temperatures ranging from 0 degrees to +25 degrees. At extremely low or high temperatures, however, the battery may not provide its full capacity. This applies equally to all lithium-ion batteries. Do not expose the battery to excessive heat (leave in the car during summer, direct sunlight). Excess heat will destroy the cells..
- Despite the highest care in production, errors can never be ruled out. Under these circumstances, never charge the battery without supervision.
- The battery can always be charged, even if it has not been completely discharged. However, you should avoid such „quick“ charging just before you use it. This is not necessary anyway, since lithium-ion cells have almost no power loss during storage. Also, the battery should not be re-charged to 100% after brief use (for example, if still about 90% power is available after a brief use).
- Charge the battery only at room temperature. After using in winter or summer, the battery should be brought to room temperature before charging.
- The perfect storage of the battery:

- In case of prolonged period of non-use (> 3 months), the battery should be kept cool at about 40% of its capacity (eg refrigerator or basement, not below +2 degrees or in a freezer!)
- Every 6 months check to see if the voltage is still correct. If it's less than 50%, then recharge briefly..

## 11 Charger

### a. General



Figure: Charging Cradle EP18650DC2

### b. LED- Indikationen




No Battery	Green
Charging in Progress	Red
Charging Complete	Green
Defect / Incorrect Polarity	Red – Flickering

### c. Technical Specification

Output Voltage	4.20 ± 0.05V x 2CH
Range of the voltage / Charging current during the charging process	1.0A ±10% x 2 CH @CB = 3,7V 2.50V ~ 4.25V x 2 CH
Charging Process	IUoU- Charging Method: CC/ CV
Short circuit current	In case of a short circuit, the charger will switch to the short-circuit protection mode.
Protection against incorrect	Reverse polarity protection: When the battery is

polarity (Reverse voltage protection)	incorrectly inserted, the LED will flicker Red.
Permitted Li-Ion types	<p>This charger has been tested with the following Li-ion battery sizes: 14500 / 17670 / 17500 / 18500 / 18650</p> <p>Note: Not suitable for 16340 (RCR123A) Li-ion battery types.</p>

## 12 Disposal

<p><b>ATTENTION!</b></p> 	<p>At the end of its lifecycle, this product must not be disposed of with your normal waste.</p>
<p><b>NOTE!</b></p> 	<p>You make an important contribution to the protection of our environment by submitting it to the responsible waste disposal center.</p>
<p><b>ATTENTION!</b></p> 	<p>Ensure safe and environmentally friendly disposal of exhausted batteries, other operating auxiliary materials and replacement parts.</p>

### a. Notes on Battery Disposal

Being a end-user you are legally obligated to return used batteries. Batteries can be returned without charge at every public collection point and in any shop. You can also return any batteries, that were part of any device purchased through us, to us via mail (please ensure the correct postage) or in person at our premises.

The symbols shown on the batteries have the following meanings:

The symbol of the crossed-out bin, means that the battery should not be disposed with household waste.



- Pb Battery contains more than 0.004 mass percent of lead.
- Cd Battery contains more than 0.002 mass percent of cadmium.
- Hg Battery contains more than 0.0005 mass percent of mercury.

### 13 Copyright



The copyright of this documentation remains in our property.

The regulations and technical drawings in these documentation must not be copied or passed on to other persons, neither entirely nor partially.