

# EN Operating Instructions - buddex

## 1. General Information

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Please read carefully the instructions given below before using this appliance for the first time.

The **buddex** is a compact top-rate performance appliance equipped with the latest micro-processorcontrolled electronics. For optimum results and a long service life it is highly important to use this appliance properly. Please always strictly observe the following rules:

- Deposit and charge in a dry and cool place.

**ATTENTION:** ALWAYS KEEP AWAY FROM INFLAMMABLE SUBSTANCES.

STORE AND CHARGE ONLY ON HEAT-PROOF AND NON-COMBUSTIBLE SURFACES

- Do not expose to humidity, crushes and thuds.
- To be used only by trained personnel, always store out of the reach of children!
- Only to be used as intended according to the instructions! Faulty operation and improper use may lead to very serious injuries or start a fire.
- Do not press the **buddex** against metal objects.
- The appliance uses rechargeable nickel-cadmium batteries that have to be disposed of properly according to the relevant national regulations.
- Only authorised dealers may carry out repairs. Opening the housing will void the warranty.

## 2. Charging

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### Charging for the first time

Before the first use insert the plug of the charger supplied in its side socket and connect the cord to the power supply. The green control light on the other side of the **buddex** starts flashing.

**ATTENTION:** At the initial operation it may take up to one hour until the green light starts flashing. When after about 16 hours the green control light changes to a permanent light the batteries are fully charged and the **buddex** is ready for use.

**IMPORTANT:** PRIOR TO THE FIRST USE WAIT UNTIL THE PERMANENT GREEN LIGHT FLASHES UP!

### Subsequent charging

The **buddex** batteries have to be discharged as deeply as possible before recharging. At the latest after having recharged a previously only partially discharged **buddex** for 10 times, it should be totally discharged to reach its full battery capacity.

**ATTENTION:** PLEASE NOTE THE INSTRUCTIONS REGARDING STORING DURING CHARGING THE BATTERIES (see above).

### Charging by means of the 12 V adapter

In case no power supply is available use the provided cigarette lighter adapter and plug it into your car's 12V socket to charge the **buddex**. In this case it is also very important that the **buddex** is not placed in the vicinity of inflammable substances and objects! The adapter heats up considerably when used. We recommend this way of charging only in case there is no power supply available, and in no case for charging the **buddex** longer (full charge).

## 3. Use:

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### A. General comments:

The **buddex** is provided with an exact timed buzzer alarm, which emits a continuous signal after approx. 6.5 seconds and switches off the debudder tip even if the **buddex** is still pressed against the skull of the animal.

The dehorning procedure is activated within 6.5 seconds as a pulse, i.e. the heating process of the burner head is interrupted 3 times, which can also be seen from the flashing of the red light.

**Tip:** We recommend first beginning with the rotary movement when the device starts to pulse after the heating-up phase! (Control light starts to flash)

The start of the dehorning procedure is indicated by the illumination of the red control light, after the light has flashed four times and after a continuous tone, which only stops when the appliance is discharged after the burning process has ended.

It is not possible to use the appliance when connected to the charger.

The breaks are dynamic and behave as follows:

- If only the minimum break of 5 seconds is kept to between two dehorning procedures, the appliance automatically switches to the overheating protection after 6 dehorning procedures (3 animals)
- If a pause of at least 35 seconds is kept to between each of the dehorning procedures, no overheating protection is required and the appliance does not switch off.









**Important:** The **buddex** is equipped with an overheating protection, whose activation is indicated by a quick green flashing of the control light. During this period the **buddex** cannot be used. After 3-5 minutes the overheating protection will be automatically reset.

At an increasingly diminished charge level of the battery the **buddex** starts to emit an audible alarm at intervals during the dehorning procedure. This signal begins when the remaining battery capacity is sufficient for approx. 2 more dehorning procedures. Once the battery has been fully discharged, the appliance will switch off again immediately after having been switched on (the red control light extinguishes) and a continuous signal will be emitted. Although there might be the possibility to carry out one or two further dehornings after a break of about 20 minutes, in this case the appliance must be recharged immediately.

One battery charge will last for up to 40 calves.

**Tip:** To ensure the longest lifetime possible for the battery, we recommend fully discharging it at least twice a year.

#### Explanation of visible and audible signals

Light green		Constant	Battery is charged
Light green		1-second interval	Battery is charged
Light green		1-second interval	Overheating protection (4 min.)
Light red		Pulse	Dehorning procedure (6.5 sec.)
Tone		Constant 1 sec.	Dehorning procedure ended
Tone		2x ½ sec.	Battery almost flat (~ 2 dehorning procedures)
Tone		6x ½ sec.	Battery flat
Tone		¼ sec. pulse	Dehorning procedure was interrupted, signal disappears if burning procedure is continued

#### IMPORTANT NOTES!

- Before first using the **buddex**, charge for at least 16 hours.
- Before using the appliance, restrain and/or stun the calf (comply with corresponding animal protection legislation!)
- Prior to first dehorning procedure, always carry out a test burning (piece of timber) since the maximum temperature is not yet reached during the first burning.
- The **buddex** must be pressed firmly against the animal.
- Calves should only be dehorned starting from the 8th until maximum the 14th day of life.

#### B. As soon as horn buds become palpable

This is the best moment for debudding. Optimum results and minimum stress on the animal will be achieved at this stage! No particular preparation is required. Make sure the head has been restrained firmly and the animal is fixed safely so that injuries of man and animal can be excluded while debudding.

Remove the protection cap of the **buddex** and wrap the wrist sling around your hand. Place the tip of the **buddex** on the horn bud and press down the debudder firmly. The red control light situated at the side of the appliance lights up as soon as the ceramic tip has begun to heat up. As soon as smoke can be seen, rotate the **buddex** two or three times by twisting your wrist to cut a ring through hair, skin and horn down to the bone.

After about 6.5 seconds the alarm can be heard and the appliance will switch off itself. Now remove the **buddex** from the animal's head and treat the second horn in the same way. At this early stage one treatment is enough for sure to arrest all horn growth.

#### C. As soon as horn buds become clearly visible

Proceed the same way as described under B. After the circular incision has been completed around the visible horn, it is necessary to remove the circular piece of horn tissue inside the ring. (Illustration B: as soon as bone has grown under the horn, there might be an unwanted healing process from the inside. Therefore all horn tissue should be removed inside the circular incision!)

If the incision has not been completed before the debudder has switched off, the procedure can be repeated. By relieving the debudder before switching off automatically, shorter waiting periods can be achieved to remove the horn completely without stressing the animal.