

## INSTRUCTIONS FOR USE

Remote controller

- energy DUO RF EDX
- energy DUO RF PDX

 SMART FARMING



**Smart Farm fencee  
Cloud System** is  
protected in the EU  
utility model.



Thank you for purchasing the product fence📡  
of the company **VNT electronics s.r.o.**

The equipment conforms to safety regulations in accordance with  
valid legislation as well as relevant EU (CE) regulations.

**We also ask you to read these instructions for use before using the device  
carefully and to keep it for possible application in the future.**

**Electric fence must be constructed so that persons are protected against  
unintentional contact with pulses conductors under normal operating  
conditions.**

From the point of view of legislation relate to the fences especially the standard  
**2014/35/EU - 2014/30/EU and  
R&TTE EN300-220 a EN 61000-6-3:2007 + A1:2011**

## 1. CONTENT

<b>1</b>	Content .....	<b>2</b>
<b>2</b>	Important recommendations .....	<b>3</b>
<b>3</b>	Package contents .....	<b>3</b>
<b>4</b>	Introduction .....	<b>3</b>
<b>5</b>	Ready to use .....	<b>4</b>
<b>6</b>	Product description .....	<b>5</b>
	6.1 Remote controller .....	<b>5</b>
	6.2 Display .....	<b>6</b>
	6.3 Keypad .....	<b>8</b>
<b>7</b>	Control .....	<b>10</b>
	7.1 Pairing .....	<b>10</b>
	7.2 Basic screen .....	<b>11</b>
<b>8</b>	Alarms .....	<b>12</b>
<b>9</b>	Troubleshooting .....	<b>13</b>
<b>10</b>	Guarantee .....	<b>13</b>

## 2. IMPORTANT RECOMMENDATIONS



We recommend that this manual is read thoroughly and fully understood before using the device and that it is retained for future reference!

- Take care about correct polarity of battery.
- The device is not waterproof; ingress of water may irreparably damage it.
- The device may only be repaired by the manufacturer's qualified personnel.
- Please dispose all waste in accordance with your country's code of practice.
- **The displayed output voltage tolerance is  $\pm 10\%$ .**

## 3. PACKAGE CONTENTS

- Remote controller fencee power DUO RF PDX / energy DUO RF EDX
- Battery CR2
- User Manual

## 4. INTRODUCTION

Remote controller enables remote control of the fencee energizers.

**Remote controller energy DUO RF EDX (red) enables remote control of the both energizers series, i.e. energy DUO RF EDX series and power DUO RF PDX series.**

**Remote controller power DUO RF PDX (blue) enables remote control only energizers power DUO RF PDX series.**

Remote controller can be used for up to 10 km (with direct visibility between the controller and the energizer).

fencee **power DUO RF PDX** and **energy DUO RF EDX** can be used for up to 10 km (with direct visibility between the controller and the energizer). However, the maximum range and accuracy are affected by a number of factors – weather, terrain, vegetation, etc. In a densely forested, or built-up terrain the range will be shorter - which is not due to a defect of the device, but by the laws of physics and technical possibilities (within the permitted European standards).

Ensuring maximum range and accuracy of the device:

**Check if the battery in the controller is sufficiently charged. Hold the controller as high as possible, the RF antenna must point up and be almost perpendicular to the ground.**



Energizers may be remotely switched off, switched on, power output changed (50 % / 100 %) and alarms set. The user has the option to set limit for triggering alarm for each fence which will generate alert if the set limits are exceeded.

**It is possible to pair up one controller with 6 energizers.  
And you can control 1 energizer by 3 controllers.**

The battery life of the controller depends on the frequency and type of use. The PDX controller has a battery life of approximately one season.

Improved communication technology is used in communication with EDX energizers, which also causes higher battery consumption. Therefore, if you use the controller in continuous power on and online operation, then the battery life is about 1 month.

**Our recommendations for longer battery life and serviceability:**

- Set the data update interval to 1 hour, see. page 7.
- Use it only as an operational temporary tool, eg when repairing fences.

And then turn it off. Use a mobile phone primarily to report alarms.

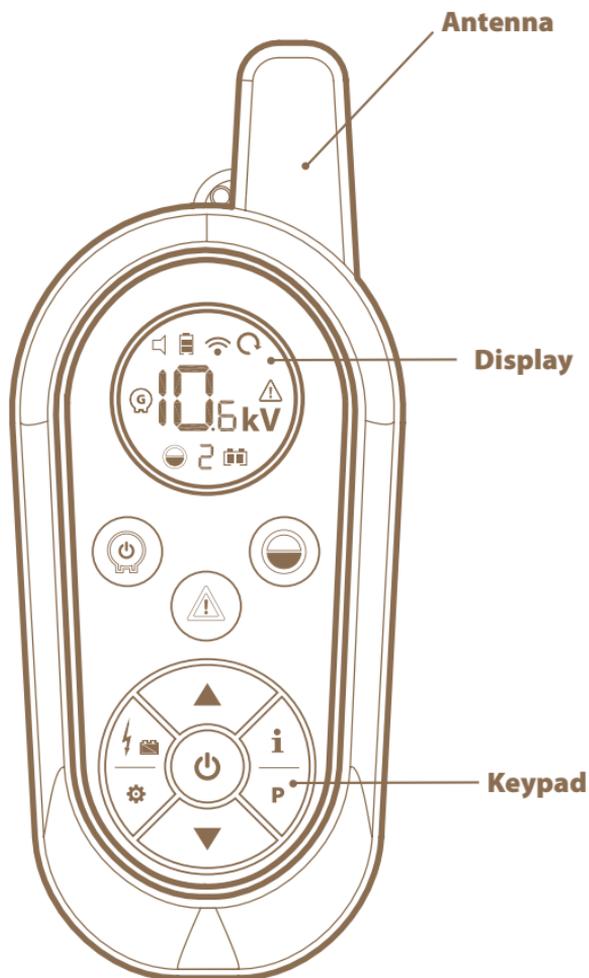
## 5. READY TO USE

- Open the device back cover.
- Insert the CR2 battery, take care about correct polarity.
- Return the cover to its original position.
- Switch on the controller by red button in the front.

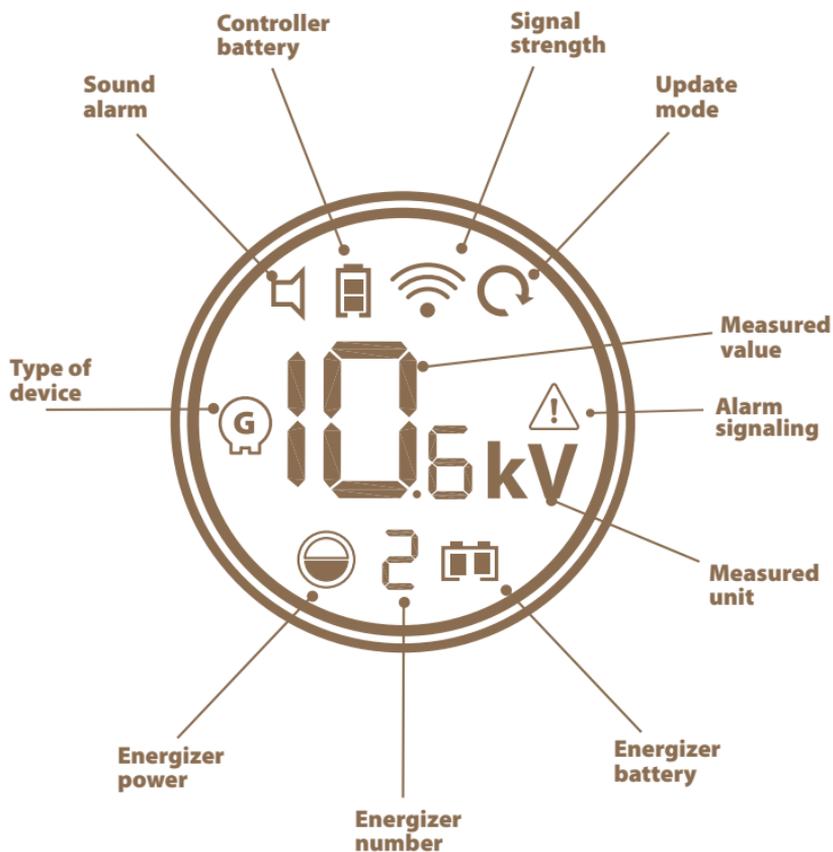
**Note: After switching on the controller and if no energizers are paired, then different device symbols flash alternately on the side of the display. This only means that no energizer has been paired yet. Pairing described on page 10, chapter 7.1 Pairing.**

## 6. PRODUCT DESCRIPTION

### 6.1 Remote controller



## 6.2 Display





### Sound alarm

Controller alarm sound turned ON/OFF. Can be changed in the settings.



### Controller Battery

Current battery capacity in the controller.

Displays three states – **FULL 100 %** | **HALF 50 %** | **EMPTY**



### Signal strength

Indication of the quality of connection between the controller and the energizer.



### Data Update Mode

Indicates the set data update mode.

**Round arrow** – automatic mode with a frequency of 1 minute.

**Round arrow with letter i** – mode with a frequency of 1 hour.

The mode setting affects the battery life in the controller.



### Energizer power

Indicates the status of the energizer – **ON 100 %** | **ON 50 %** | **OFF**



### Energizer number

Number of the selected energizer. It is possible to assign up to 6 energizers to one controller.



### Energizer battery

Current battery capacity of the energizer.

Displays three states – **FULL 100%** | **HALF 50%** | **EMPTY**



### Type of device

Icon indicating the type of the selected device.

When communicating with the energizer, the icon will flash.

Currently, only the **G** – energizer icon is used.

### Measured value

The value measured by the energizer and sent to the controller.

### Measured unit

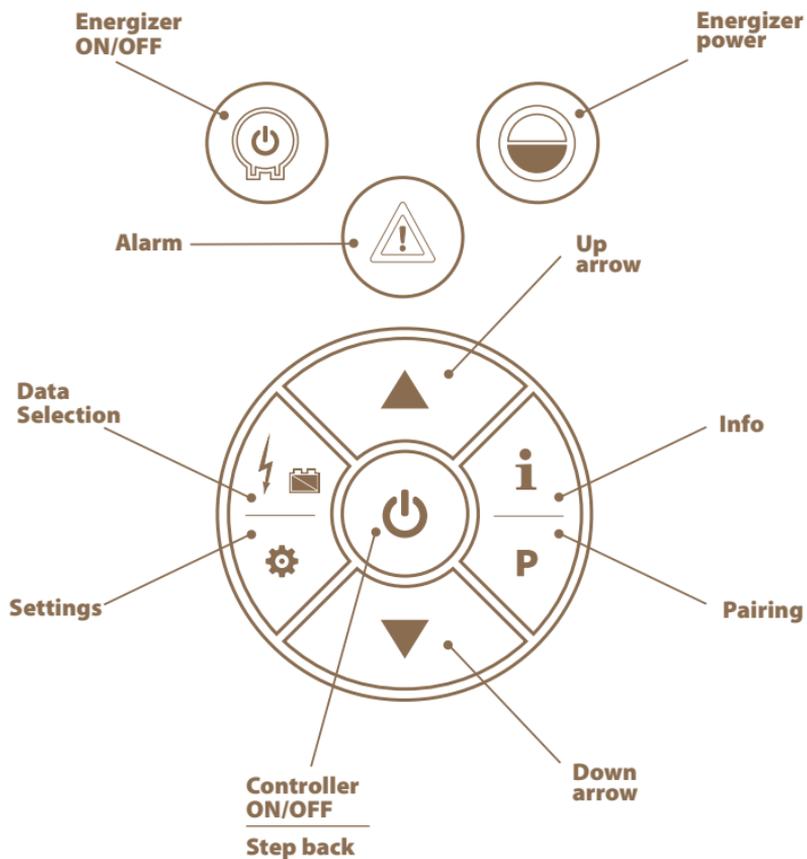
Unit of the measured value. Here you can see **kV** – voltage of the output pulse, or **V** - battery voltage of the energizer.



### Alarm signaling

The symbol flashes when an alarm is triggered, see. page 12, together with the specific alarm symbol.

## 6.3 Keypad



**UP Arrow / DOWN Arrow (short press)**

Selection of device. Change the values in the settings mode.

**Data selection (short press)**

Toggles the data displayed on the controller. You can display the pulse voltage (kV) or the energizer battery voltage (V).

**Settings (long press)**

Switches the controller to the settings mode where you can set the behaviour of the controller.

**Settings (short press)**

Switching individual items in the settings mode.

**ON/OFF controller****Turn on (short press)**

Exit the current mode. Goes back from pairing mode, or from setup mode back to the main screen.

**Turn on (long press)**

Turns the controller on or off.

**Info (short press) – manual data update**

Updates the information of the selected energizer.

**Pairing (long press)**

Switches the remote controller into the pairing mode.

**Energizer ON/OFF (short press)**

Turns the selected energizer on or off.

**Energizer power (short press)**

Switches energizer power (50 % or 100 %).

**Alarm (short press)**

A short press turns off the controller's beep.

**Alarm (long press)**

Long press clears the alarm notification.

## 7. CONTROL

The energizer is controlled from the main screen.

Use the **UP** and **DOWN** arrows   to select the desired energizer.

When the **Energizer ON/OFF**  or **Energizer Power**  button is pressed the controller immediately sends the command to the energizer.

Pulse voltage, or battery voltage can be monitored on the display.

To switch battery or pulse information, press the **Data Selection**  button.

### 7.1 Pairing

To connect the energizer to the controller, it is necessary to perform “pairing”.

- Turn on the energizer, and then turn it off with one short press of the button. Then press the button for longer time (> 5 seconds) until the status LED starts flashing fast. Now the energizer is in pairing mode.
- Press the **Pairing**  button on the controller for a longer time. The letter **P** appears on the display. Now the controller is in pairing mode.
- Use the **UP** and **DOWN** arrows   to select the desired position number on which you want to pair.
- Move the controller close to the energizer (up to 20 cm) and press the **Pairing**  button.
- If everything went well, the controller is now paired with the energizer. The controller switches back to the main screen and the energizer switches back to the OFF RF state.
- If the pairing process did not go through, perform it again.
- If you want to delete a position on the controller, perform pairing without an energizer.
- If the controller does not find any energizer, it deletes the paired position.
- If you want to exit the pairing mode, press the red button  **ON**.
- It is possible to pair up to **6 energizers** to one controller – you can control 6 energizers with one controller.
- It is possible to pair up to **3 controllers** to one energizer – you can control one energizer with 3 controllers.

## 7.2 Basic screen

To enter the settings mode, press (long) the **Settings**  button.

There are currently 3 items available in the settings menu. To select the desired item, shortly press the **Settings**  button.

To change the settings of the selected item, press the **UP** or **DOWN**   arrow.

To exit the setting mode, shortly press the red button  **ON**.

### Alarm sound (letter “A”)

Audio notification of the controller can be enabled or disabled. The setting is indicated by the speaker icon.

### Update mode (letter “U”)

Sets the data update interval.

-  Automatic mode updates the data every minute but has a higher power consumption.
-  Automatic mode updates the data every hour, saving battery.

## TIP

You can update the current energizer data at any time outside the interval by pressing the button  on the controller.

### Limit of the voltage of the fence

Pulse voltage limit on the fence can be set. If the voltage drops below the required limit, an alarm is triggered.

## 8. ALARMS

If any problem occurs, an alarm is triggered. The alarm is indicated on the controller by a flashing **triangle**  icon **with an exclamation mark**. At the same time, the controller starts to beep.

### Possible errors:

#### Low pulse voltage

The “**kV**” unit and the **alarm**  icon are flashing.

#### Low battery voltage of the energizer

The **energizer battery**  icon and the **alarm**  icon are flashing.

#### No signal

On the main screen, the letter **E**, is displayed, the **signal**  and **alarm**  icon flashes.

#### General alarm

Only the **alarm**  icon flashes. There may be more causes. One of them is a step change in the resistance of the fence. In this case, the fence requires physical inspection.

Press any button on the controller to turn off the sound of the alarm.

The alarm sound can be disabled in the settings.

If the problem is solved (battery replacement, fence repair...), press the **alarm**  button for a longer time and alarm notification will be removed.

## 9. TROUBLESHOOTING

Cause	Fault removal
Nothing is visible on the display	Change the battery. Take care about correct polarity.
There are blinking symbols on display and no values are displayed	No device is paired. Add required energizer.
On the display flashes  and one of the symbols flashes.	This is a report of a specific alarm, see page 12

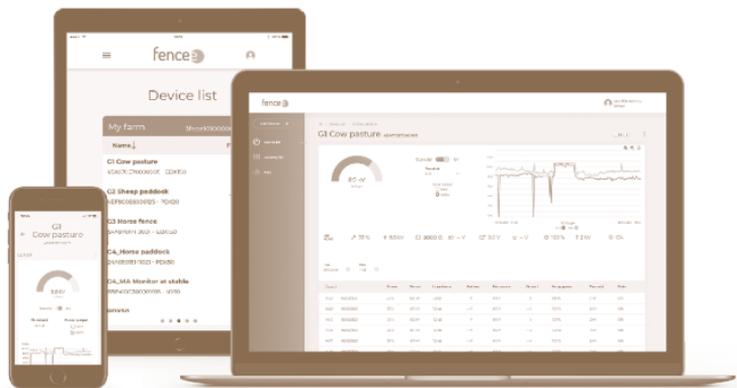
## 10. GUARANTEE

In addition to a guarantee requested by law, we provide you with a guarantee in accordance with below listed conditions:

- Guarantee period begins on the day of its purchase. Guarantee claims are acknowledged explicitly pursuant to submission of bill or cash voucher. Guarantee repair is free of charge, or we reserve the right to deliver a device of the same value.
- Guarantee is valid in case of correct use in accordance with the instructions for use. It expires in case of interferences by unauthorized persons and in case of using spare parts of foreign origin.
- All deficiencies resulting from material defects or manufacturing defects shall be removed in manufacturer's discretion by repairing or free-of-charge replacement of the energizer.
- In case of delivering spare parts or repairing, original guarantee period is not prolonged.
- Guarantee period and address of guarantee provider can be found in attached instructions for use of given type of energizer.
- Accumulators or batteries of any type, damages due to overvoltage (caused by lightning among others) and damages due to spill-over of accumulator acid are not included in the guarantee.

**This device is provided with guarantee period of 3 years according to our conditions for guarantee! Safety instructions, earthing, putting into operation, care of batteries and accumulator, conditions for guarantee and possible fault sources can be found in attached instructions for use!**

# Control your fences from mobile p



**fence Cloud**  
Free to download



**UP-TO-DATE  
INFORMATION**

Online up-to-date information on all devices.



**CONTROL  
FROM PHONE**

Control and monitor using mobile application.



**ALARM  
SIGNALLING**

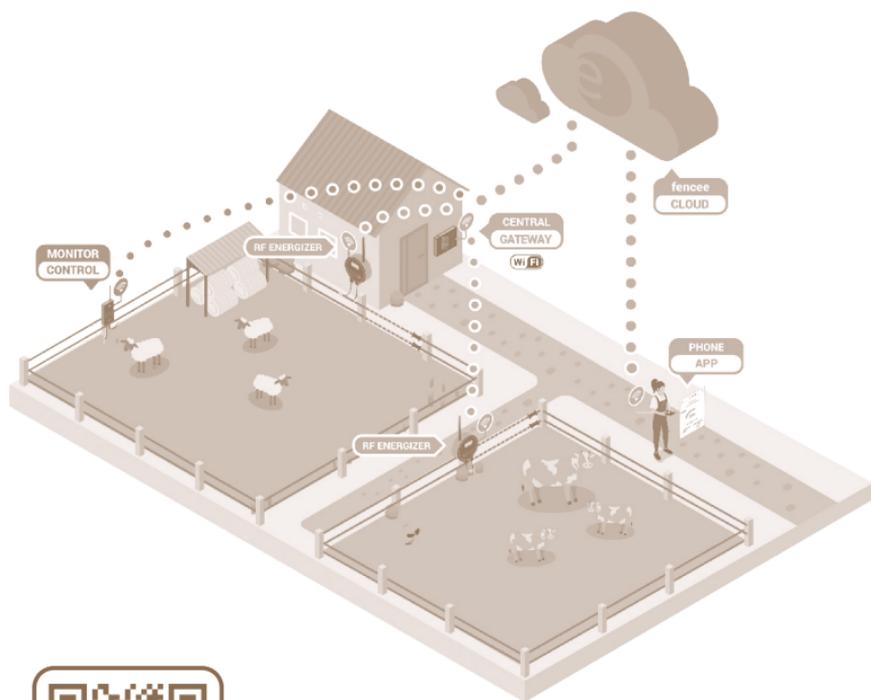
Immediate warning sent to the phone and e-mail relating to the problem.



**TIME SAVING**

Thanks to the remote control, you no longer have to visit your farm to check the fencing. Everything is managed and controlled via your phone or the web.

# phone with the fence Cloud app



**WATCH THE VIDEO  
HOW THE SMART FARM SYSTEM WORKS**

**FIND OUT MORE ABOUT THE SMART FARM SYSTEM**

**[www.fenceefarm.com](http://www.fenceefarm.com)**



# fencee

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**Smart Farm fence  
Cloud System** is  
protected in the EU  
utility model.

Stamp and signature of seller:

**fencee**  
Electric fencing

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