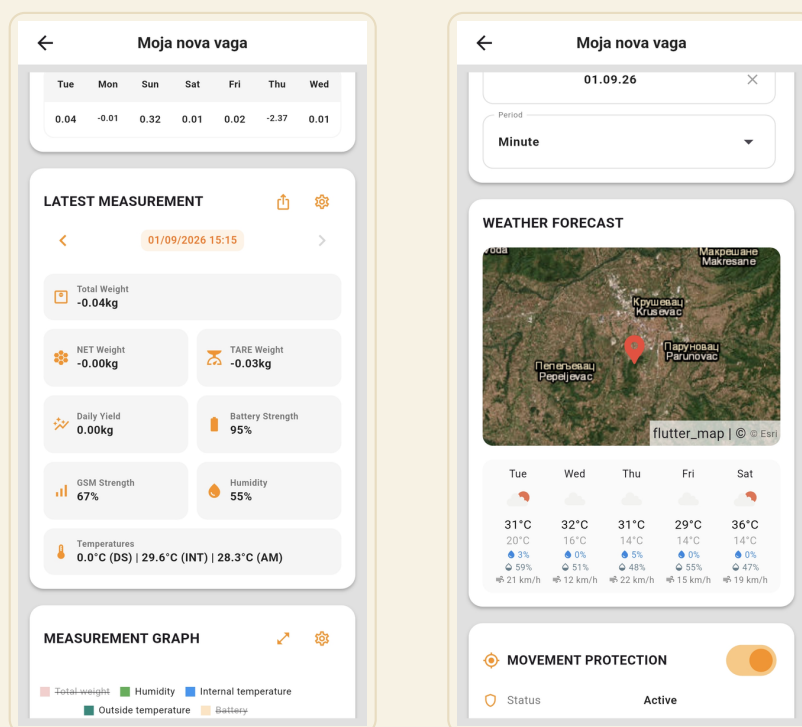


SMSVAGA

Mobile app user guide

The beehive scale weighs the hive and reports what is happening in the apiary by itself — daily yield, sudden weight loss, battery state. This guide walks through the app screen by screen: how to create an account, what each field means and how every setting is changed.



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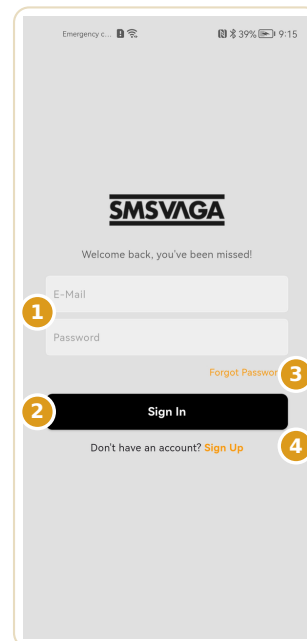
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1. First steps — creating an account

The app is downloaded under the name SMSVAGA — on Android phones from the Google Play store, on iPhones from the App Store. When you open it for the first time, a sign-in window greets you. You have no account yet, so type nothing there.

The sign-in window

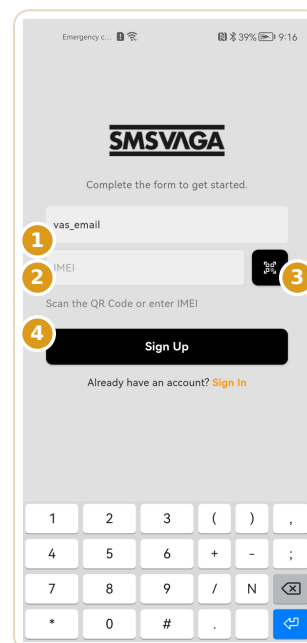
- 1 **E-Mail and Password:** for those who already have an account. The first time, you leave them empty.
- 2 **Sign In:** entering an existing account.
- 3 **Forgot Password?:** use it later, if you forget your password — a message for setting a new one arrives at your e-mail address.
- 4 **Sign Up:** this is where you go the first time, to create an account.



The window that opens on first start

Creating the account

- 1 Enter your e-mail address.
- 2 Enter the scale's serial number — the 15-digit number from the sticker on the scale.
- 3 Instead of typing you can press the black button with the QR mark on the right and scan the sticker with your phone.
- 4 Press Sign Up and wait about thirty seconds.



An e-mail and the number from the sticker are enough

Why the wait

During that time the account is created and your scale is linked to it. When it finishes, the app takes you to the list of scales by itself. Do not close it while it runs.

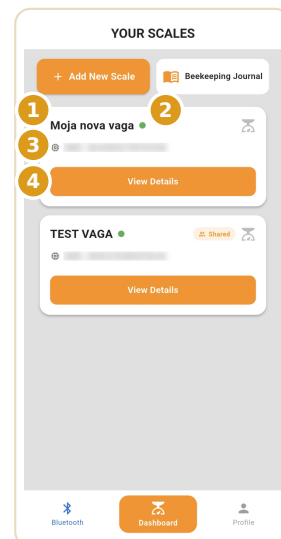
You do not choose the password — it arrives by e-mail. Once signed in, you can change it in the Profile.

2. The list of scales

The first screen after signing in is the list of scales on your account. If you have one scale, there will be one; there can be more.

What a scale's row shows

- 1 **Scale name:** changed in the details; at first it shows the name you gave or the default.
- 2 **Green dot:** the scale has reported within the last three hours. Yellow means no report for three to six hours, red for over six.
- 3 **IMEI:** the scale's serial number, the same one from the sticker.
- 4 **Show details:** opens all the data about that scale.



Serial numbers are blurred in the picture

The Add New Scale button at the top is for when you buy another scale — it asks for the same 15-digit number. The same place also takes the six-character code, if someone has shared their scale with you; see chapter 14. The icon next to the button opens the Beekeeping Journal, which has its own separate manual.

At the bottom of the screen are three icons: Bluetooth, Dashboard and Profile. Bluetooth is new — it sets up the scale close by, without the internet, and chapter 15 is about it.

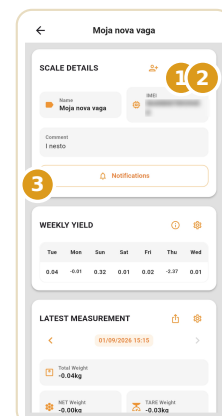
Auxiliary scales sit under their main one

If an auxiliary sensor works alongside the scale, it is no longer listed as a separate row but sits under the scale it belongs to. That way it is clear at a glance what belongs to what.

3. Scale details

Clicking Show details opens the page with all the data of one scale. At the top is the SCALE DETAILS card.

- 1 **Pencil:** changes the scale's name and comment. The name is what you see in the list and in notifications, so it pays to name it after the apiary or the hive.
- 2 **Bin:** removes the scale from your account. The readings stay saved, and the scale can be added again later.
- 3 **Notifications:** opens the list of everything that scale has reported to you.



The IMEI is blurred

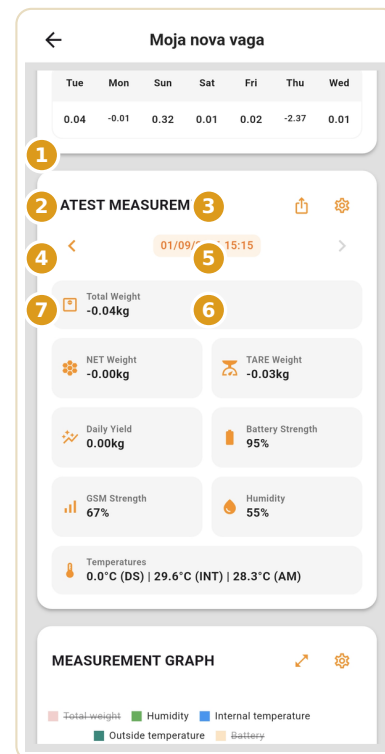
Tip

The scale's name appears in every notification. If you have several scales, name them after the place — "Meadow", "Acacia by the stream" — and the message alone will tell you which one it is, without opening the app.

4. The latest reading

The most important card. The orange badge at the top shows when the reading arrived, and the arrows to its left and right take you back through earlier readings.

- 1 **Total hive weight:** everything on the scale, together with the hive, frames and supers.
- 2 **NET weight:** the total weight minus the TARE — so honey and bees.
- 3 **TARE weight:** the weight of the empty equipment, which you set yourself.
- 4 **Daily yield:** the difference against the set hour of that day.
- 5 **Battery level:** how much of the battery is left.
- 6 **Humidity and temperatures:** outside, internal and in-hive temperature, if the sensor is connected.
- 7 **GSM signal strength:** how strong the network connection is at that spot.

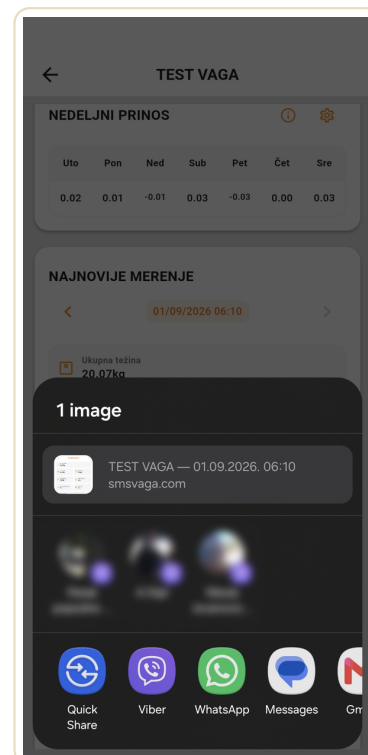


Swiping left and right brings back earlier readings

Sharing a reading

The share icon at the top of the card takes a picture of this box and opens the phone's share sheet — Viber, WhatsApp, messages, whatever you have. The picture goes to the group without copying numbers by hand.

The picture comes with the scale's name and the date and hour of the measurement, so the group knows what it is about.



Faces and names from the contact list are blurred

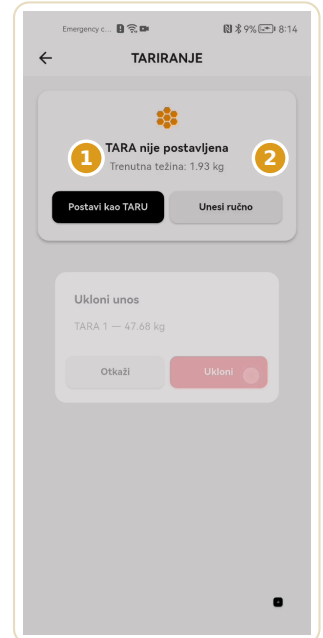
5. Taring — setting the TARE

The TARE is the weight of the empty equipment: hive body, frames, cover. The scale weighs everything together, but what you care about is the honey. So the empty equipment is weighed once, and that number is subtracted from every following reading.

When the TARE is not set yet

The app shows the current weight on the scale and offers two paths:

- 1 **Set as TARE:** takes what is on the scale right now. Used when the empty equipment is on the scale.
- 2 **Enter manually:** you type the number yourself, if you already know the equipment's weight.

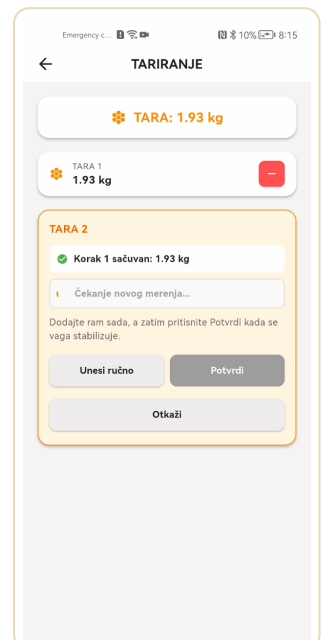


Setting the TARE for the first time

Several supers

The TARE can consist of several steps. When you add a super, you press plus and the scale waits to stabilise, then records that step too. That way it is known how much each super added.

The red mark next to a step deletes that entry. The sum of all steps is the total TARE, and it sits at the top.



Steps are added along with the supers

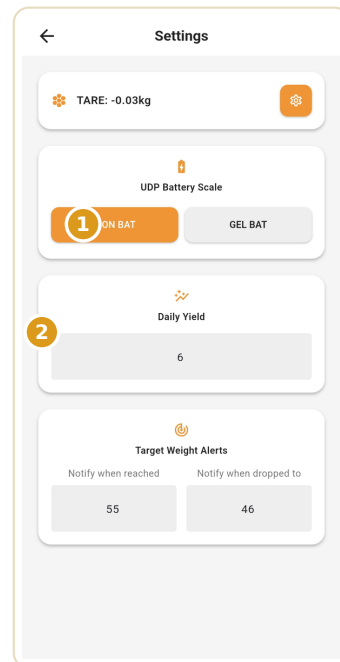
Important

The scale measures once an hour, so a new step can only be confirmed when a new reading arrives — wait for the start of the next hour before pressing plus. If you add a super within the same hour, the scale has not even measured the change yet and the step has nothing to record.

6. Scale settings

The gear at the top of the Latest reading card opens that scale's settings. Whatever is changed here applies to it only.

- 1 **UDP battery scale:** the choice between a LION and a GEL battery.
The scale reports voltage, and what percentage that is depends on the type — empty and full are not at the same voltage. If the wrong type is set here, the battery percentage will be wrong.
- 2 **Daily yield:** the hour the yield is counted from. The default is 6 in the morning — before the bees go out, so what is measured is what was really brought in.

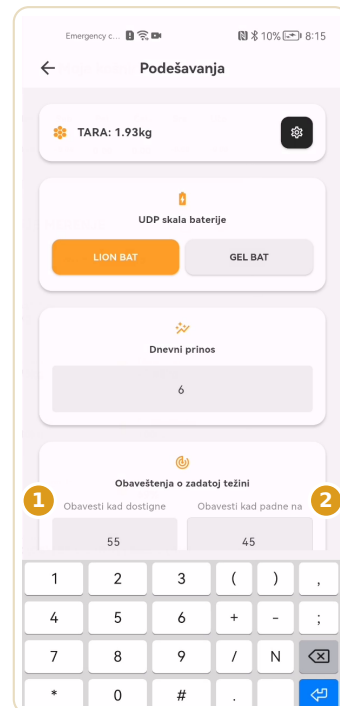


Target weight notifications

Two numbers, both optional:

- 1 **Notify when reached:** reports when the net weight passes the set one. Useful for knowing when it is time to harvest.
- 2 **Notify when dropped to:** reports when the weight falls below the set one. Useful for keeping an eye on food stores.

An empty field means you do not want that notification.



Set to 55 kg and 45 kg

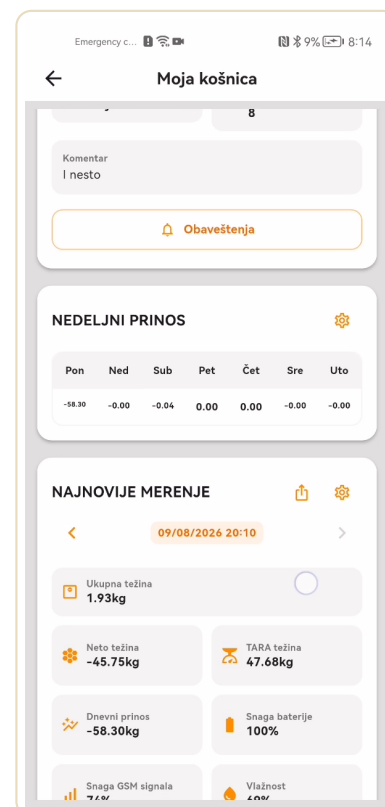
The battery type is kept with the account

LION or GEL — the scale reports voltage, and what percentage that is depends on the type. This choice used to live only in the phone, so the battery percentage differed from the one on the portal. Now it is kept with the account and is the same everywhere.

7. Weekly yield

The table shows the last seven days. Each column is one day and shows how much was gained or lost that day.

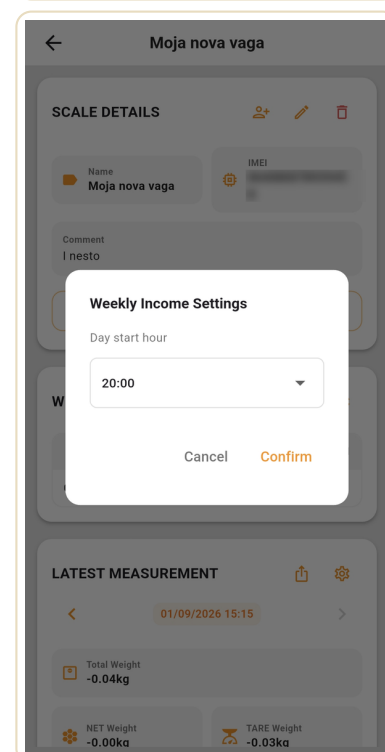
Green is gain, red is loss. The last column is today and keeps changing until the day ends.



The hour the day starts

The gear next to the table opens the hour picker. The day is not counted from midnight but from the hour you set — 20:00 by default.

The reason is the same as with the daily yield: in the evening all the bees are in the hive, so the comparison shows the intake, not how many happened to be out at that moment.



The cut-off is picked from a list

8. Measurement chart

The chart draws the course over time. In the legend at the top a line is switched off with a click, leaving only what interests you.

- 1 **Date range:** opens the calendar for picking a period.
- 2 **Period:** whether the points are drawn by minute, hour, day, month or year. For short spans choose Hour, for a season choose Day.

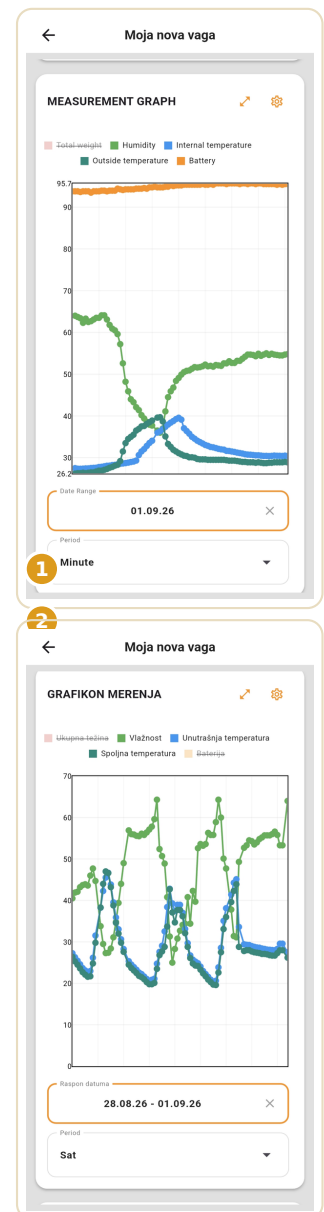
When you choose Minute, a choice of hour appears below it — otherwise a thousand points would be crammed into one screen and nothing would be visible.

Six lines instead of three

Besides weight, humidity and inside temperature, the chart now also draws the outside temperature, the hive temperature and the battery.

A crossed-out name in the legend means that line is switched off — in the picture those are weight and battery. Clicking the name brings it back.

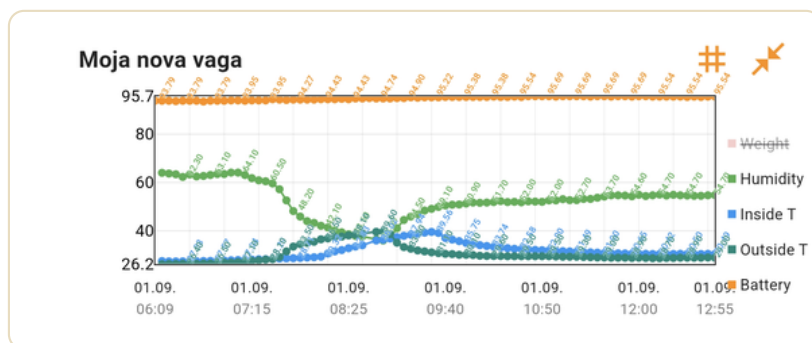
The line for a sensor that is not connected is not drawn at all. There is no more flat line at zero squashing everything else against the top.



Crossed out in the legend means switched off

Turn the phone sideways

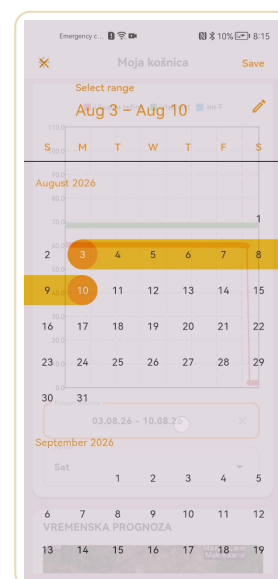
The button next to the chart title opens a full-screen view. Values are written next to the points themselves and the time axis sits below — as on the portal. The legend is on the right and lines can still be switched off there.



Phone on its side: values next to the points and a time axis

Picking a period

You press the first date, then the last; the chosen range gets coloured. It is confirmed with the Save button at the top.

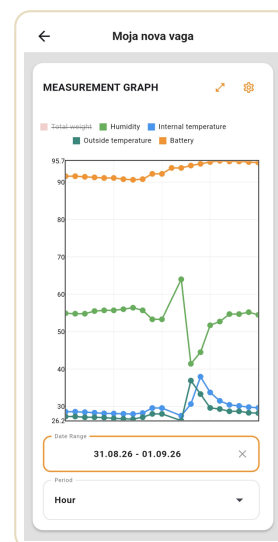


The first and the last day

What the chart shows

A sharp drop of the red line is a weight loss — in this picture it is a test load being taken off the scale. In real life this is what swarming, harvesting or theft looks like.

The gear next to the chart opens Min Y and Max Y. Left empty, the axis adjusts itself. Set them by hand when you want to compare two periods on the same axis.



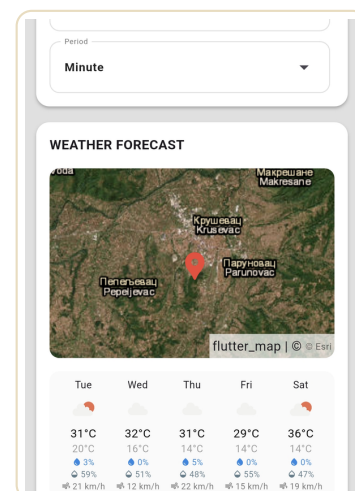
A sharp drop of the line

9. Weather forecast

The forecast for the place where the scale stands. Scales with built-in GPS report their position themselves and nothing needs setting. On scales without GPS you place the pin on the map by hand — press the spot on the map where the scale stands and the forecast is computed for it.

For each day you see the highest and lowest temperature, the chance of rain, humidity and wind speed.

The map above shows where the scale is. In this picture it is blurred because the guide goes public.

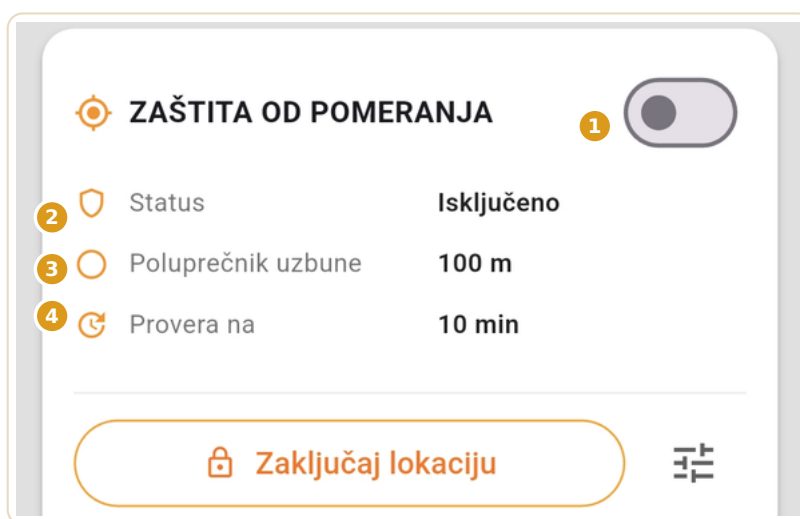


The map is blurred on purpose

10. Movement protection

Scales with a built-in position receiver can remember the spot they stand on and report if they move away from it. The box sits on the scale's page, below the forecast.

What the box shows



Protection off — ready for the spot to be locked

- 1 **The switch at the top:** turns the protection on and off.
- 2 **Status:** whether the protection is active, off, or waiting for the scale to receive the command.
- 3 **Alarm radius:** how far it may move before it reports.
- 4 **Check every:** how often the scale looks at where it is.

When the protection is on, two more rows appear in the box: Deviation — how far the scale is now from the remembered spot — and Position quality with the number of satellites, which says how reliable that reading is. Under a canopy or in a shed it will be worse than in the open.

Why the alarm does not arrive that same moment

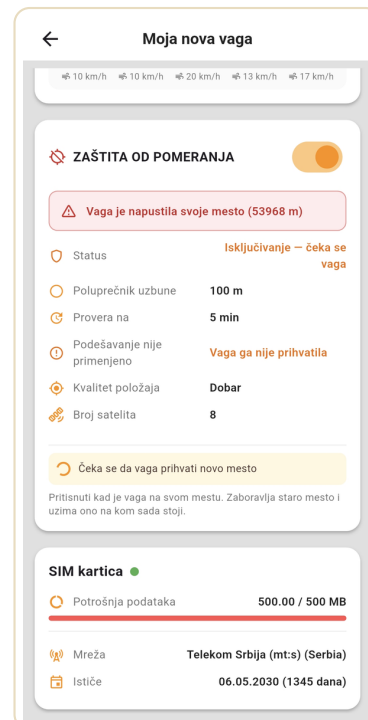
When it finds itself outside the circle, the scale does not report at once — it waits for several checks in a row, so that a single miss by the receiver does not raise a false alarm. That is why ten to twenty minutes pass between leaving the circle and the message. This is deliberate: better a minute later than an alarm every night because of one bad reading.

When the alarm arrives

A red bar with the distance appears at the top of the box. The same message arrives on the phone.

The alarm repeats until you confirm it — in the first, fifth, fifteenth and sixtieth minute, then it stops. In the sixtieth minute an e-mail goes out as well.

The Confirm receipt button does not mean the problem is solved, only that you have seen the message. The alarm stays red until the scale is back in its place.



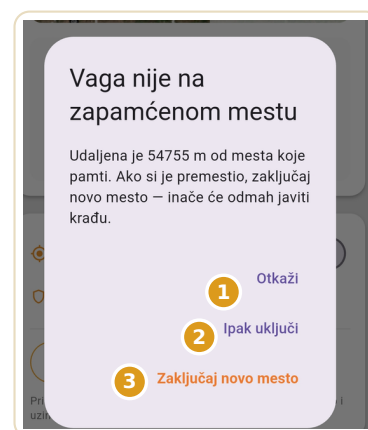
A deviation of 53 kilometres — the scale was on the road

Locking the spot

The Lock location button tells the scale to remember the spot it is standing on as its own. Press it AT THE HIVE, not from home — the command means „the scale is now where it belongs" and erases the old spot.

If you try to switch the protection on while the scale is not at its remembered spot, the app notices and tells you how far away it is.

- 1 **Cancel:** nothing changes.
- 2 **Turn on anyway:** the protection is armed with the OLD spot. The scale will report a theft at once, because it thinks it has been carried off.
- 3 **Lock the new spot:** remembers the spot it is on now. This is what you want when you have moved the scale.



A check before the protection is switched on

The command travels with the next report

The app does not talk to the scale directly. The scale calls the server at its own pace, and the command waits for its next report — so the change shows only after a few minutes. While waiting, the box says it is waiting for the scale. That is not a fault but the normal course of things.

11. Moving the scale

Moving requires the old spot to be forgotten. If that is not done, the scale reports a theft from the new apiary. The order matters:

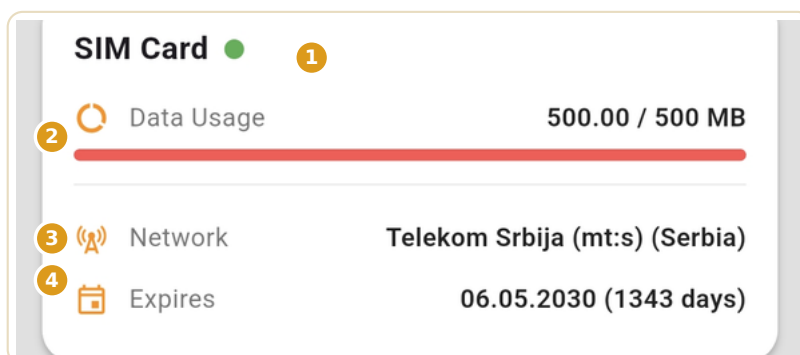
- 1 Switch the protection off and wait for the status to change to Off. That can take up to twenty minutes, because the command travels with the next report. Move the scale sooner and an alarm arrives.
- 2 Move the scale to its new spot.
- 3 Lock the new spot — from the app, standing at the hive.
- 4 Switch the protection on once the deviation drops to a few metres.

An alarm while moving is not a fault

If it goes off while you are on the road, the scale is still armed with the old spot. Confirm receipt and carry on.

12. SIM card

The scale sends its readings over its SIM card. This card shows its state.



- 1 **The green dot next to the title:** the same meaning as in the list of scales — a report within the last three hours.
- 2 **Data usage:** how much of the purchased package has been used.
- 3 **Network:** which network the scale is currently registered on.
- 4 **Expires:** until when the subscription is paid, and how many days remain.

When the subscription expires

The scale stops sending readings, but everything earlier stays saved. Contact us before it expires so we can extend the subscription.

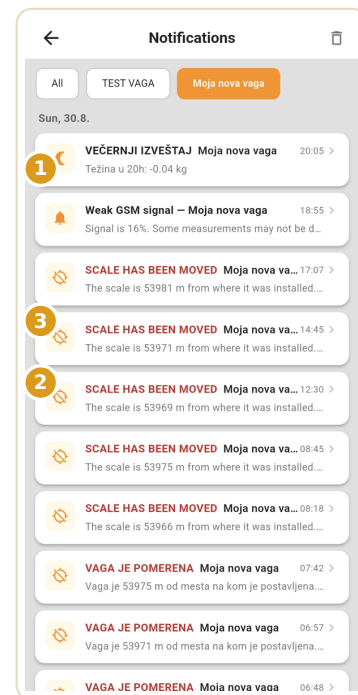
13. Notifications

The app reports what is happening by itself. The message arrives on the phone, and the list of all messages is in Notifications.

Kinds of notifications

- 1 **Evening report:** once a day — the weight in the evening and in the morning, daily yield, lowest and highest temperature, battery and signal.
- 2 **Sudden weight loss:** a drop of at least one kilogram. Newer scales report this themselves, the moment it happens.
- 3 **Target weight reached:** when the net weight passes or falls below the limit you set.

Besides these there are also Worker bee — a daily summary of how the colony behaves, Battery low — when the voltage falls below a fifth, and Scale has been moved — the movement protection alarm, from chapter 10.



The list is kept for three days

Clicking a message opens the full text. The bin at the top clears the list, with confirmation. Messages also delete themselves after three days.

The colour tells you what it is about

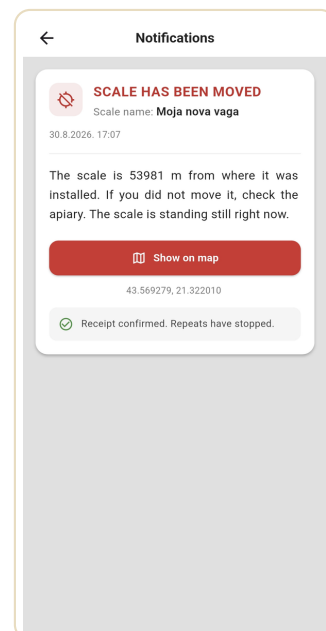
Each kind has its own icon and colour, so you can see at a glance what has arrived — before reading a single line. Red is movement, orange a sudden loss of weight, green the worker bee, blue the SIM card. Notifications are sorted by scale, so they do not get mixed up when you have several.

An opened notification

The message says which scale it is, what happened and how far away it is. Alarms also carry a Confirm receipt button.

Until it is pressed, the alarm repeats and a bell stays next to the scale in the list. Confirming means „I have seen it“, not „it is solved“.

The notification about falling below the set lower weight also asks for confirmation, and repeats every six hours — stores are not used up in minutes, so there is no reason for it to ring more often.



The same message arrives on the phone

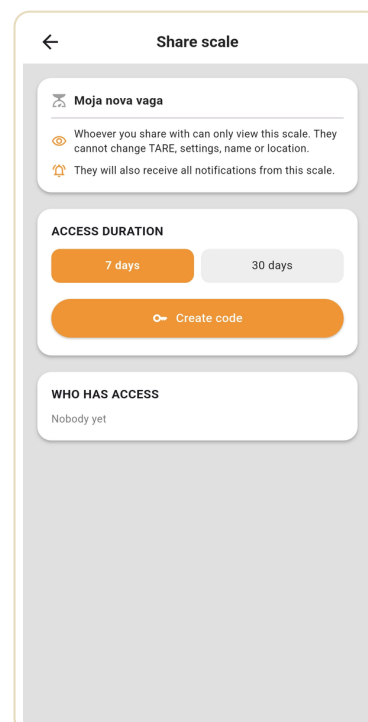
14. Sharing a scale

Cannot get to the apiary while someone else is there? You can share the scale for viewing — with a neighbour, your son, or whoever looks after your bees while you are away.

Step 1 — create the code

In the scale settings, under Share scale, you choose how long the access lasts — seven or thirty days — and then press Create code.

Below is the list of those who already have access. While there is no one, it says Nobody yet.

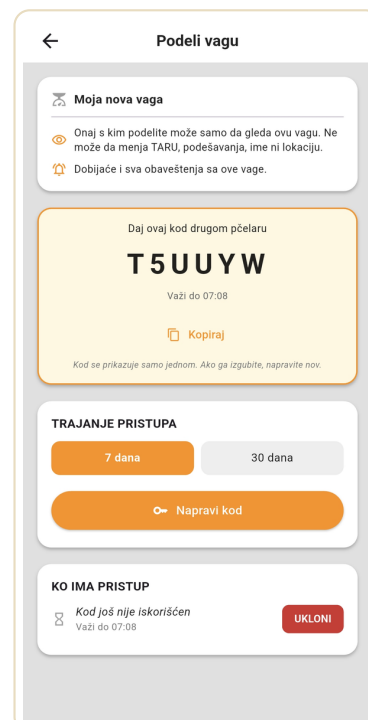


Step 2 — send it

The six-character code is shown ONLY ONCE. The Copy button picks it up, and you send it in a message or read it out over the phone.

If you lose it, no harm done — create a new one; the old one is removed with the REMOVE button.

Until someone uses it, the list shows that the code has not been used yet and how long it is valid.

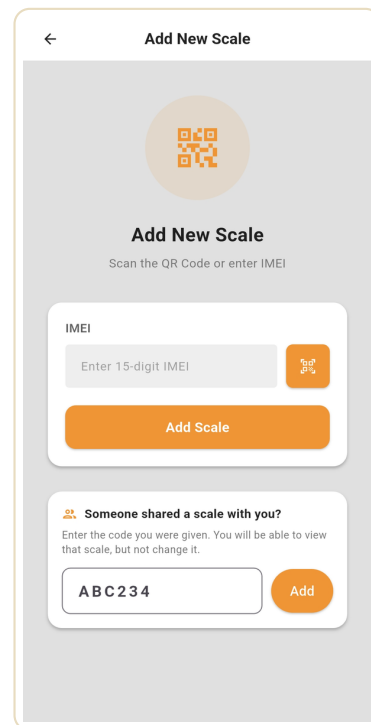


The code is shown only once

Step 3 — they enter it

The person you sent it to opens Add New Scale. At the top is the field for the IMEI, which adds YOUR OWN scale; below is the field for the code, which adds someone else's.

From that moment they see your scale in their list, with the SHARED mark.



The same screen takes both the IMEI and the code

What the guest can and cannot do

- They see all the measurements, the chart, the forecast and the notifications — just as you do.
- **They cannot change anything:** not the name, not the TARE, not the settings, not the movement protection.
- They cannot see the SIM card details.
- Their access expires by itself, after seven or thirty days — you choose when you create the code. You can also revoke it sooner.

Why the guest gets the alarms too

If you asked someone to keep an eye on the hive, the alarm should reach them as well, not only you — they are the one who can go to the apiary. That is why notifications for that scale reach them too. Whoever confirms receipt first confirms it for everyone, and it is recorded who did — so it is clear who is being counted on.

On your side, a scale someone has shared with you carries the SHARED mark in the list. That way it is told apart from yours at a glance.

15. Bluetooth — setting up the scale close by

The first icon in the bottom bar opens Bluetooth. This is for the moments when you are AT the scale: no waiting for a report, the command goes straight into the device.

The app finds the nearby scale by itself and shows its name. Until now this needed a separate app and picking device codes by hand; now it is a screen like any other.

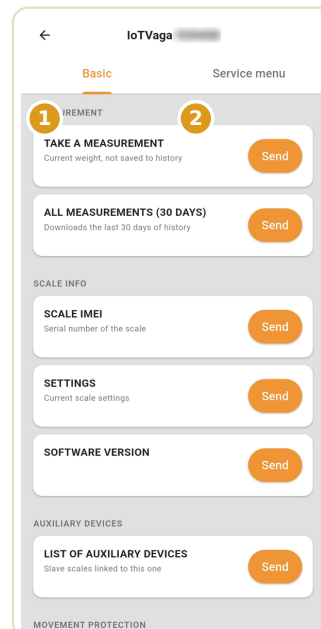
Two tabs

- 1 **Basic:** everyday commands — checking the scale, a single measurement, the list of auxiliary devices, movement protection.
- 2 **Service menu:** service commands. They ask for a code — the last six digits of the IMEI from the label — so that the wrong scale is not touched by accident.

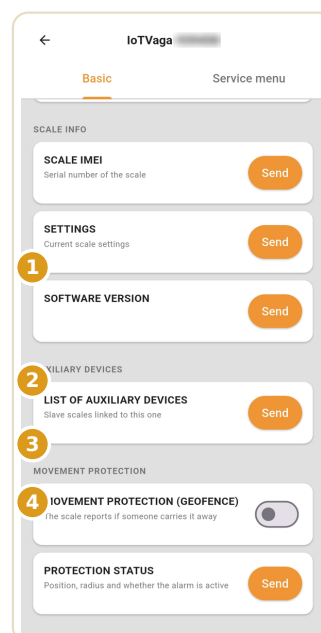
How it is used

Every command has a Send button and a box below it. The scale's reply arrives in the box — so you see at once whether the command went through and what the device said.

- 1 **Take a measurement:** the current weight, without writing it into the history. Useful while setting the hive onto the scale.
- 2 **List of auxiliary devices:** which auxiliary scales are tied to this one.
- 3 **All measurements (30 days):** pulls the history out of the scale itself, even when it never reached the server.
- 4 **Movement protection:** the same switch as on the scale's page, only here it takes effect at once.



The device name carries the end of the IMEI, so it is blurred



The scale's reply arrives in the box below the button

When Bluetooth is worth more than the internet

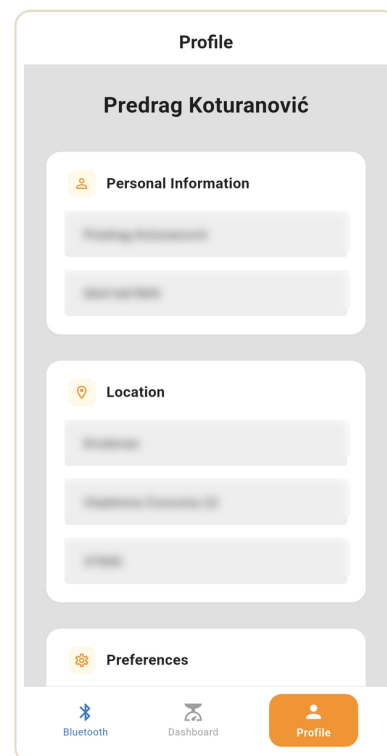
The scale reports over the mobile network, and at the apiary there may be none. Bluetooth works without it: you stand next to the scale and read everything out of it, including measurements that never reached the server.

16. Profile

The second icon at the bottom of the screen opens the Profile.

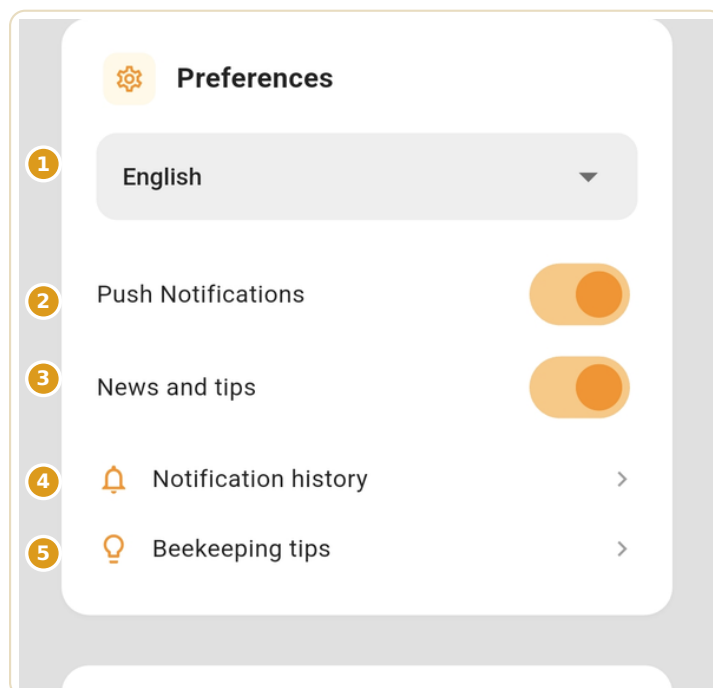
Personal data and location

Name, phone and address. We need this data only for contact and delivery; in the picture it is blurred.



Personal data is blurred

Settings

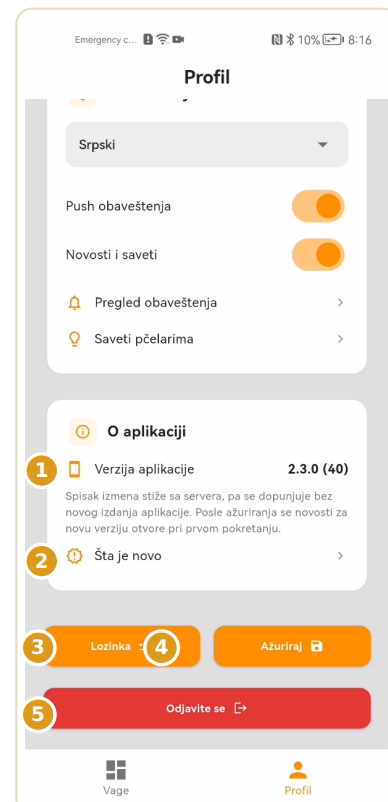


- ❶ **Language:** Serbian, English, German, Hungarian, Norwegian and Italian.
- ❷ **Push notifications:** the main switch for messages from the scale. Turned off, nothing arrives.
- ❸ **News and tips:** a separate switch. Whoever wants only the alerts from the scale, and not the tips, turns this one off.
- ❹ **Notification overview:** all messages from all scales in one place.

5 Tips for beekeepers: tips by month.

About the app

- 1 **App version:** the release you have.
- 2 **What's new:** the list of changes by version. It comes from the server, so it grows even without a new app release.
- 3 **Password:** changing your password.
- 4 **Update:** checks whether a newer release is in the store.
- 5 **Sign out:** leaving the account. To come back you need the e-mail and the password.



If the app asks for an update

When a new release comes out, an Update Required message appears at start. The app then does not work until updated — that way everyone has the same release and the same notifications.

17. Frequently asked questions

The scale is not reporting — the dot is red

Red means no report for over six hours. The most common causes are an empty battery, poor signal at that spot, or an expired SIM subscription. Check the SIM card box; if the subscription is fine, contact us.

The battery percentage looks wrong

Check that the right battery type is chosen in the settings — LION or GEL. A wrong choice gives a wrong percentage even though the voltage is measured correctly.

The weight jumped or fell for no reason

The scale also weighs what you did not intend: rain on the cover, snow, someone leaning on it. Look at the chart — real intake grows gradually, while an accidental load shows as a jump and a return.

Notifications do not arrive

Check both switches in the Profile, and whether the phone allows notifications for SMSVAGA in its own settings. Some phones silence notifications for apps that have not been opened in a while.

There is no signal at the apiary — will the app ask for the password again

It does not. It opens normally and shows the data from the last report, with a bar at the top saying there is no network. When the signal comes back, you press Try again and everything refreshes. Starting up without a signal used to lead to the sign-in screen — in the very place where e-mail is out of reach.

I changed the TARE but old readings did not change

That is how it should be. The TARE applies from the moment it is set; earlier readings stay as they were, so history is not rewritten backwards.

If something does not work

Write to us at smsvaga@gmail.com. Give the scale name and what is happening — our records show what the scale sent and when, so most questions get solved without a field visit.

If the question is about a particular scale, send its IMEI number too — with it we can see at once when it reported, with what signal and what it sent.

problem.smsvaga.com

here you can check the state of your scale yourself, at any time