

RiNGY rings your school's existing bell on a schedule. It keeps its own clock, so the bells keep ringing even when the internet does not.

You set it up once from the touchscreen, then run it from any browser on the school network. This guide covers the first hour, and the handful of jobs you will do every week. Everything else - replacing the clock battery, updating the software, the full list of warnings - is in the **RiNGY User Manual**, supplied alongside this guide.

BEFORE YOU START

You need a mounted RiNGY, power, and the name and password of the school Wi-Fi. Setting it up takes about ten minutes.

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1. Setting it up

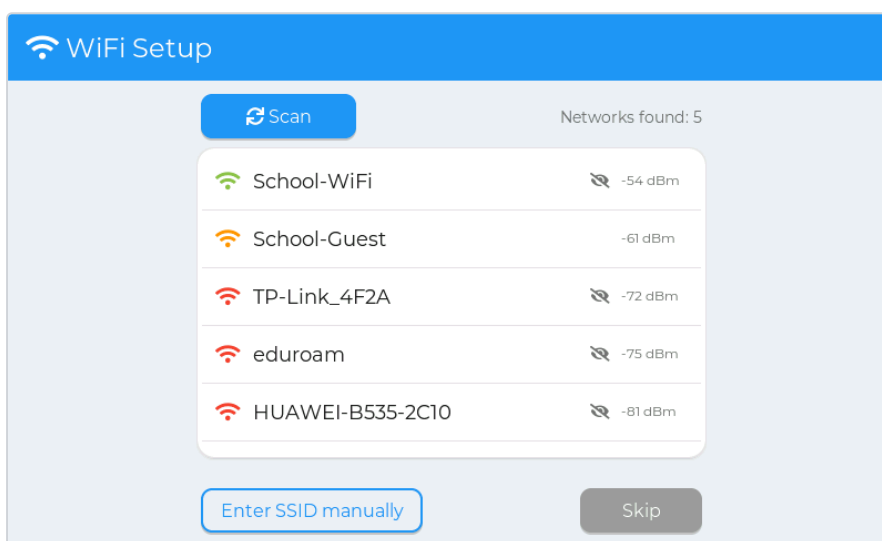
The setup wizard

The logo appears for a few seconds, then the setup wizard starts. It runs once, on the first power-up, and asks three questions.

Language. Bulgarian or English. You can change it later in Settings.

A PIN, 4 to 6 digits. This protects the touchscreen. Anyone can stop a ringing bell without it; changing the schedule needs it.

Wi-Fi. Pick your network from the list and type the password.



Choose the school network, then type the password.

WRITE THE PIN DOWN SOMEWHERE SAFE

It cannot be recovered. Clearing a forgotten PIN means a factory reset, and that erases your whole schedule.

NO WI-FI YET?

You can press **Skip**, but bells will not ring on schedule. The clock is only set over the network, and until that happens the schedule stays paused - the screen reads "No time and no WiFi - bells paused". The web interface is unreachable too. Ringing by hand from the dashboard still works. Add Wi-Fi later by tapping the Wi-Fi icon at the top right of the screen; the schedule starts as soon as the first sync succeeds.

Create the web login

On any computer or phone on the same network, open **<https://ringy.local>**. The first person to arrive creates the school account. Do it straight away: until someone does, anyone on the network could.

Your browser will warn you about the connection. That is expected - RiNGY uses a certificate it generated itself, which no browser can recognise in advance. Choose **Advanced** and continue. Section 10 of the User Manual explains how to remove the warning for good.



BG EN

[< Back to login](#)

Create your account

Set up the school login for this device. You only need to do this once.

Username

Enter username

Password

Enter password

Confirm password

Re-enter password

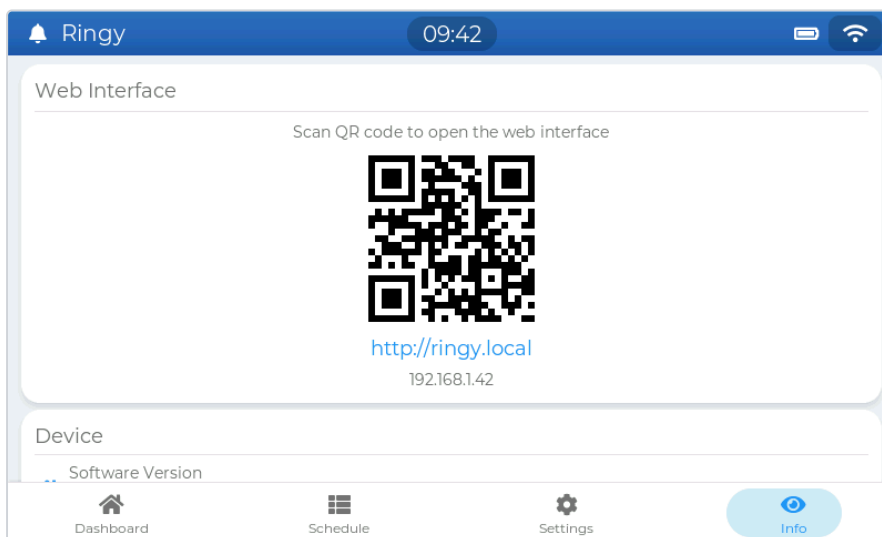
CREATE ACCOUNT

ESP32 Authentication System

The first visitor creates the account. Afterwards this screen is gone.

Find it again later

The **Info** tab on the touchscreen shows the web address, the IP address and a QR code. Scan the code with a phone to open the interface without typing anything.

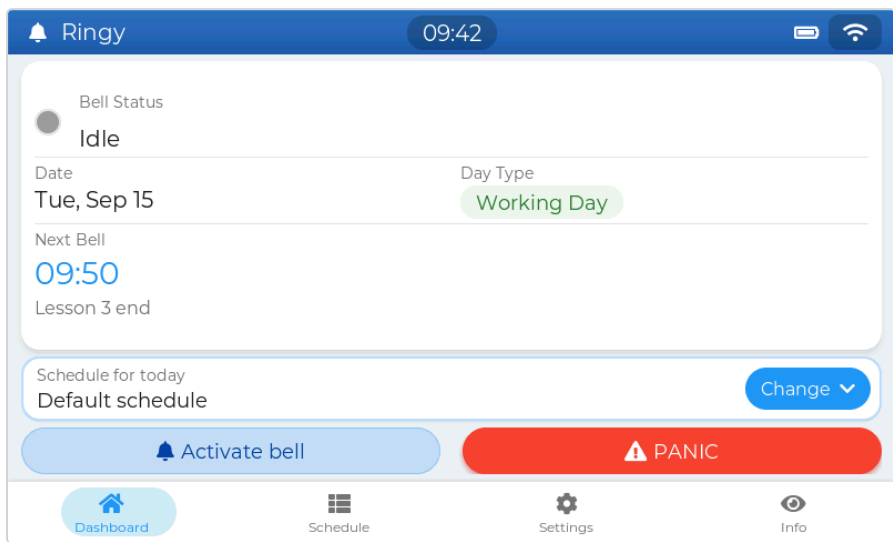


Info holds the address and a QR code that opens it.

2. Every day

Almost everything you do day to day happens on one screen - on the panel or in the browser, whichever is closer.

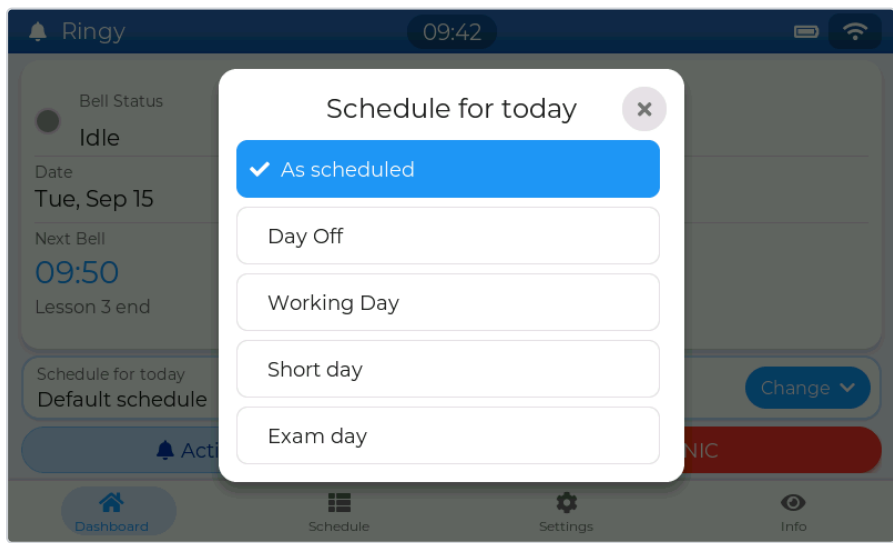
On the touchscreen



The dashboard: bell state, the date and day type, next bell, and today

Button	What it does
Activate bell	Sounds the bell once, for the duration you have set
PANIC	Rings continuously until you press STOP . Scheduled bells are suspended while it is on

Above them is the **Schedule for today** row, which shows the plan running right now, with a **Change** button on the right. Press the row to pick a different plan for the day:



The day picker: as scheduled, day off, working day, or any of your templates.

Choice	What it does
As scheduled	Undoes any change and returns today to normal
Day off	Cancels today's bells
Working day	Turns a non-teaching day back into a working one
Your templates	Runs one of your saved templates, today only

Everything except stopping a ringing bell and starting PANIC asks for the PIN. Whatever you change here lasts until midnight; tomorrow goes back to normal on its own.

The switch and the red button

The front panel carries a selector marked **AUTO ON/OFF** and a red button.

Leave the selector on **ON** and RiNGY rings to the schedule. Turn it to **OFF** and the schedule is ignored entirely - the bell then rings only when someone presses the red button. The screen carries on looking completely normal either way.

OFF IS YOUR FALLBACK

If the bells ever stop behaving, switch to **OFF** and ring the periods by hand with the red button. Lessons carry on while someone looks into it.

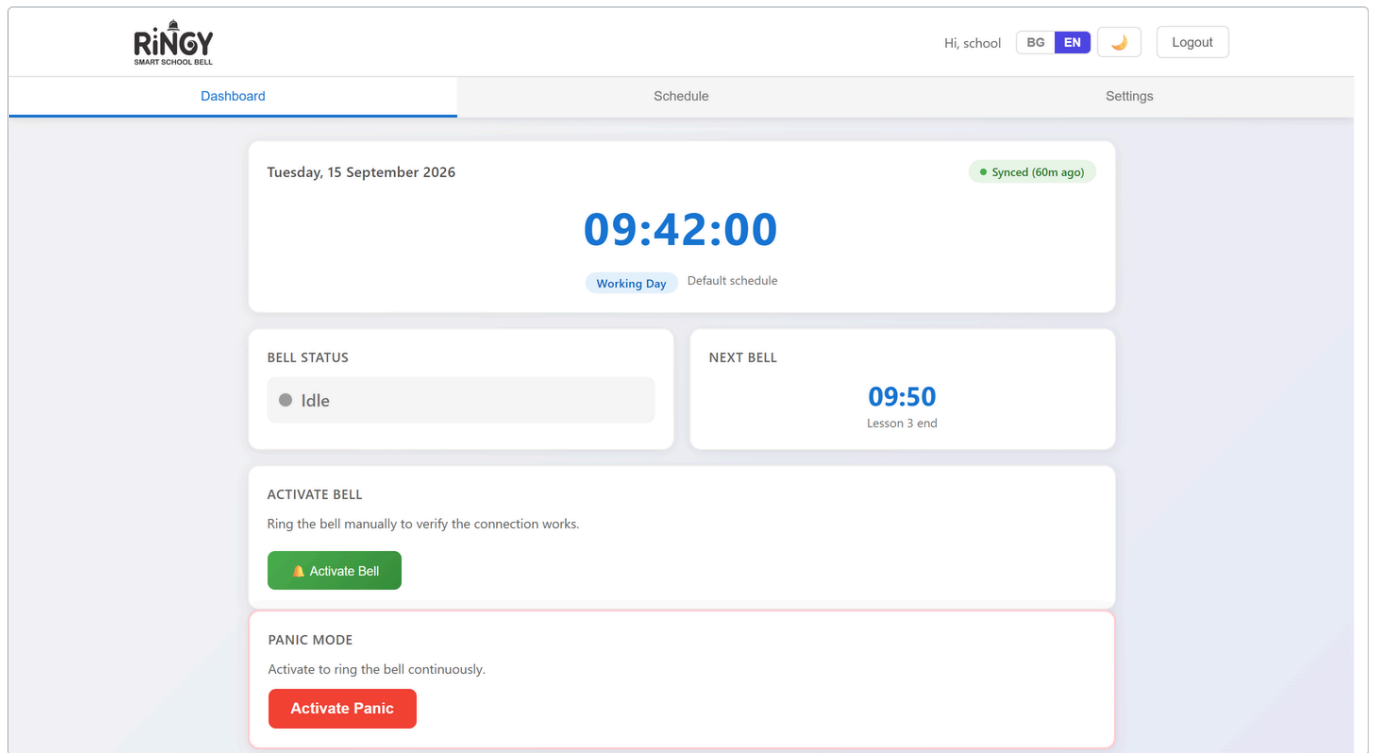
PANIC SURVIVES A POWER CUT

If the device restarts while PANIC is on, it comes back ringing. That is deliberate. Press **STOP** to end it.

In the browser

Sign in at **<https://ringy.local>**. The Dashboard shows the same state as the panel and carries the same controls.

Three tabs run across the top: **Dashboard**, **Schedule** and **Settings**. Sections 3 to 5 of this guide are all inside **Schedule**.



The web dashboard mirrors the panel, from any browser on the school network.

ONE PERSON AT A TIME

RiNGY allows a single session. If someone else signs in, you are signed out without warning. It is not a fault.

3. How the schedule fits together

Four things decide when the bell rings on a given day. Each one overrides the one above it.

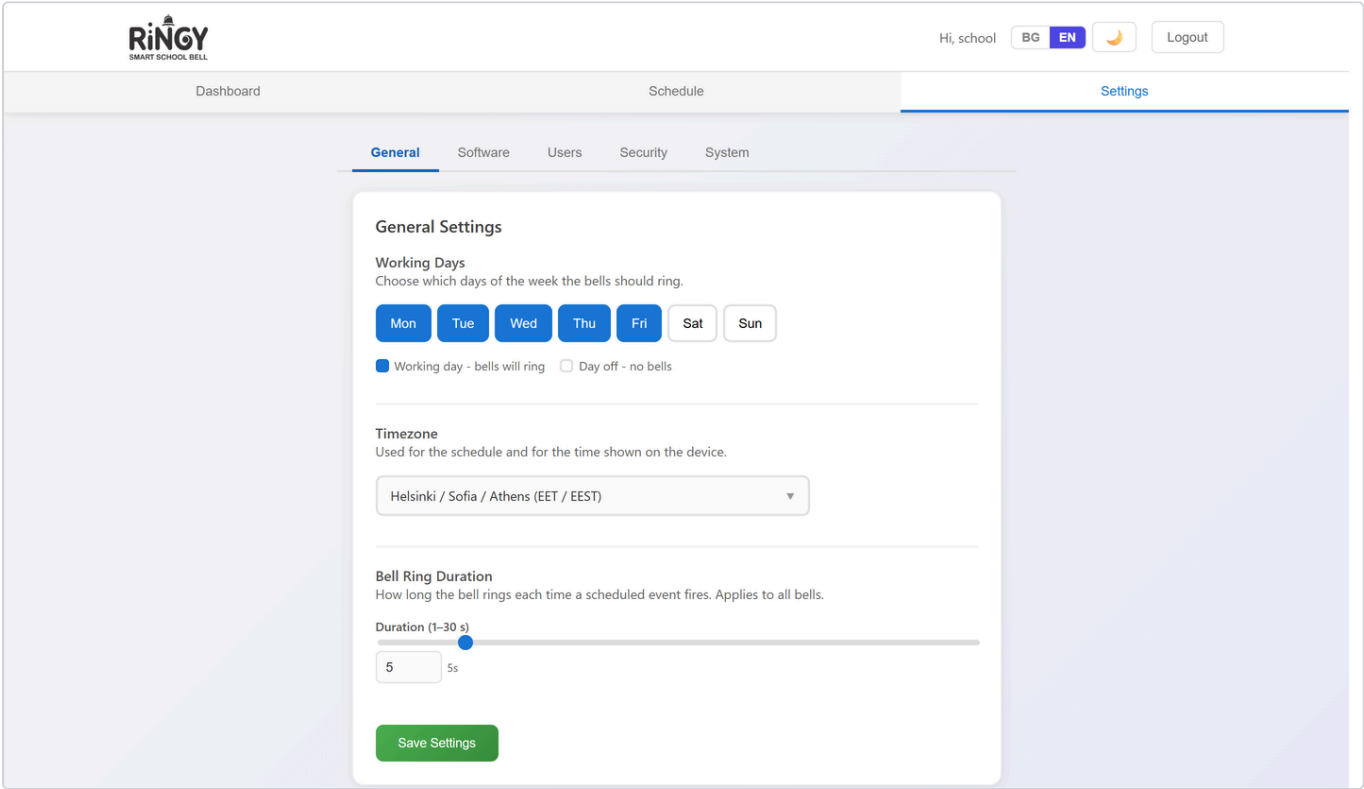
Level	Where you set it	What it decides
Working days	Settings → General	Whether the bell rings on that weekday at all
Week	Schedule → Week	Which template each weekday uses
Exceptions	Schedule → Exceptions	Named dates that override the week - holidays, exam days
Today	Schedule → Today, or the panel	A change for the current day only, until midnight

So a normal Tuesday follows whatever template the **Week** tab gives Tuesday. If a Christmas exception covers that date, the exception wins. If you then press **Day off** on the panel, that wins for today.

Working days and ring duration

Settings → **General** decides which weekdays ring at all. A day that is not a working day stays silent whatever template points at it, and shows as greyed out on the Week tab.

The same page holds the **ring duration** - how many seconds the bell sounds at every scheduled time, 1 to 30, factory-set to 5 - and the **time zone**. Press **Save Settings**.



Settings → General: working days, time zone and ring duration.

Today

Schedule → **Today** shows exactly what will ring today, and which template it came from.



Hi, school

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Logout

Dashboard

Schedule

Settings



Holidays for 2027 are ready to review

3 auto-fetched holidays awaiting review.

Review

Dismiss

Today

Week

Templates

Exceptions

Today's Schedule

Edit Today

Working Day

Using template: Default schedule

QUICK ACTIONS

Day off today

Use template...

Apply

TIME	LABEL
07:30	Lesson 1 start
08:10	Lesson 1 end
08:20	Lesson 2 start
09:00	Lesson 2 end
09:10	Lesson 3 start
09:50	Lesson 3 end
10:05	Lesson 4 start
10:45	Lesson 4 end
10:55	Lesson 5 start
11:35	Lesson 5 end
11:45	Lesson 6 start
12:25	Lesson 6 end
12:35	Lesson 7 start
13:15	Lesson 7 end

Today

Quick actions are the fast route: **Day off today**, or pick a template from **Use template...** and press **Apply**. Use **Edit Today** when today needs bell times that exist nowhere else.

4. Templates

A template is a reusable list of bell times. You build them once and then point days at them, instead of retyping times.

The template list

The screenshot shows the RiNGY app interface. At the top, there's a navigation bar with 'Dashboard', 'Schedule', and 'Settings'. A notification banner at the top says 'Holidays for 2027 are ready to review'. Below this, there are tabs for 'Today', 'Week', 'Templates', and 'Exceptions'. The 'Templates' section is active, showing a 'DEFAULT SCHEDULE' (14 bells, 07:30-13:15) and 'BUILT-IN TEMPLATES' including 'Day Off' (SILENT ALL DAY) and 'Day On' (FOLLOWS DEFAULT SCHEDULE). There are also 'CUSTOM TEMPLATES' with five slots: 'Short day' (12 bells, 08:00-12:25), 'Exam day' (8 bells, 08:00-10:55), and three empty slots labeled 'Template 3', 'Template 4', and 'Template 5'. A 'Save templates' button is at the bottom.

Schedule → Templates: the default schedule, two built-in templates, and five of your own.

Default schedule is the ordinary school day - the one most weekdays use. Out of the box it is 14 bells from 07:30 to 13:15.

Day off and **Day on** are built in and cannot be edited. *Day off* means silent all day; *Day on* means follow the default schedule. They exist so you can point a date at them the same way you point it at any template.

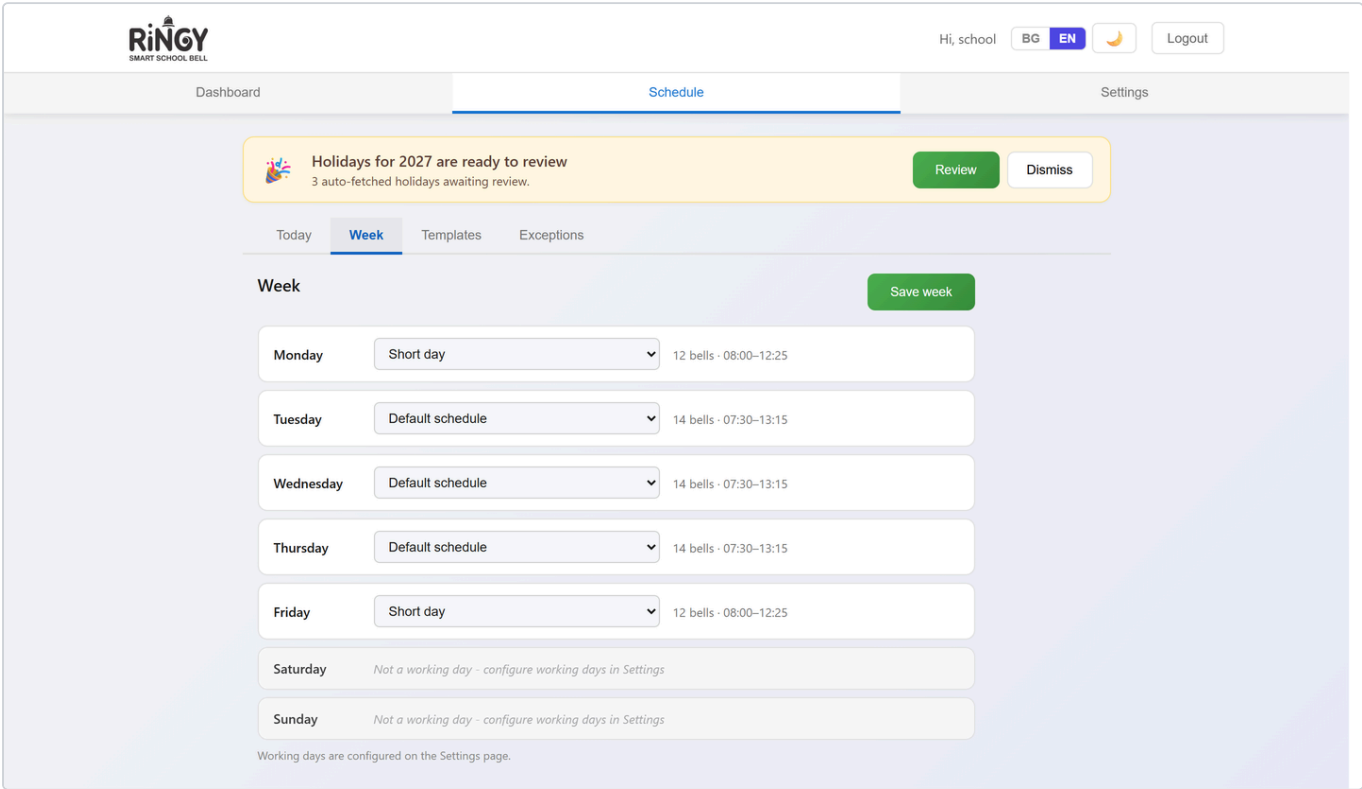
Your own templates are the five numbered slots below. Give each one a name that means something - *Short day*, *Exam day* - and it appears everywhere a template can be chosen, including as a button on the touchscreen. The summary beside each name (*12 bells · 08:00–12:25*) is the quickest way to confirm you picked the right one.

Open a row with the arrow to edit its bells. Press **Save templates** when you are done - nothing is stored until you do.

CLEARING A TEMPLATE THAT IS IN USE

The × empties a slot. If a weekday or an exception still points at it, that day will have no bells. Check the Week tab afterwards.

Which template each weekday uses



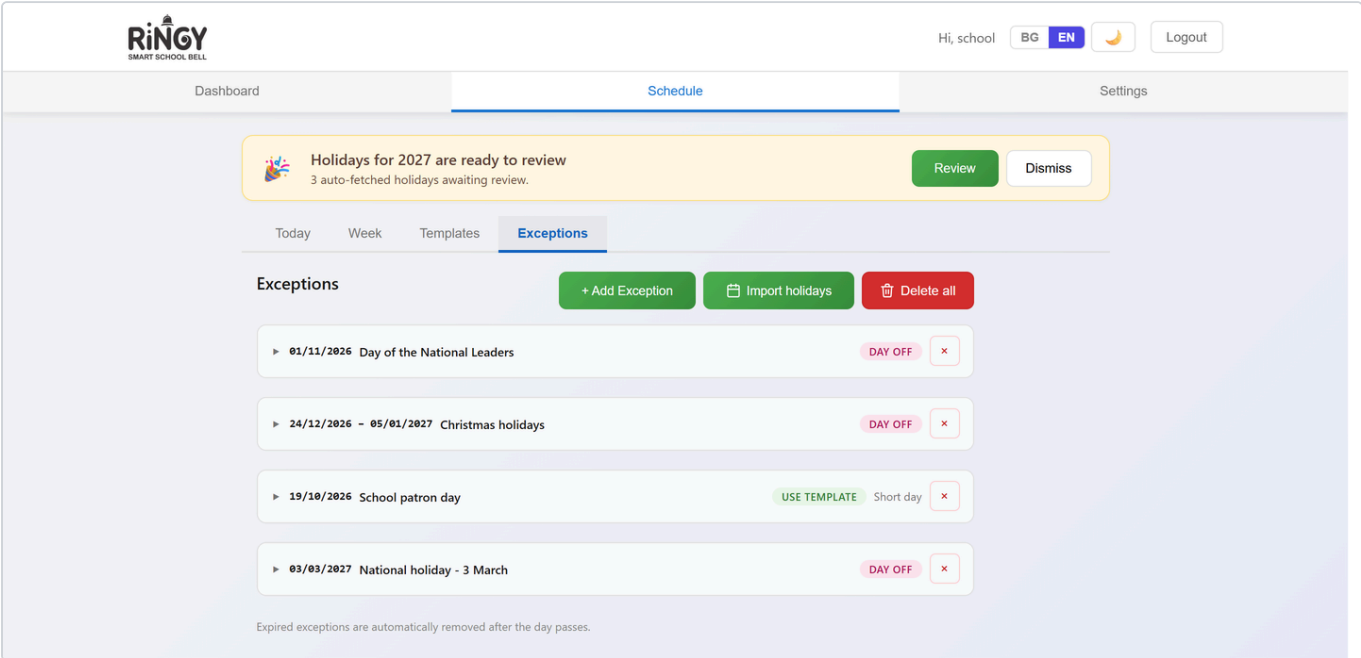
Schedule → Week: one template per weekday.

Pick a template for each working day and press **Save week**. The summary beside each row tells you how many bells that choice means.

Days that are greyed out are not working days. That is set in **Settings** → **General**, not here - a common place to get stuck.

5. Holidays and one-off dates

An exception is a date, or a range of dates, that ignores the weekly assignment. Holidays, exam weeks, the school patron's day. You can have up to 40, and each one is a start date, an optional end date, a name, and what should happen.



Schedule → Exceptions: single dates and ranges, each with an action.

Action	Result on those dates
Day off	The bell does not ring
Use template	The template you choose is applied
Custom Schedule	Bell times defined for this exception only

Exceptions disappear on their own once the dates have passed, so the list stays short.

A SHORT EXCEPTION INSIDE A LONGER ONE DOES NOT WIN

Where two exceptions cover the same date, the one that *starts earlier* takes precedence - so a single day placed inside a two-week holiday will not override it. To change one day inside a period, see section 4.3 of the User Manual.

Importing the official holidays

Import holidays fetches the official Bulgarian public holidays and school vacations for a year and turns them into exceptions. Choose the year, press **Fetch**, untick anything that does not apply to your school, and press **Apply**. It needs an internet connection.

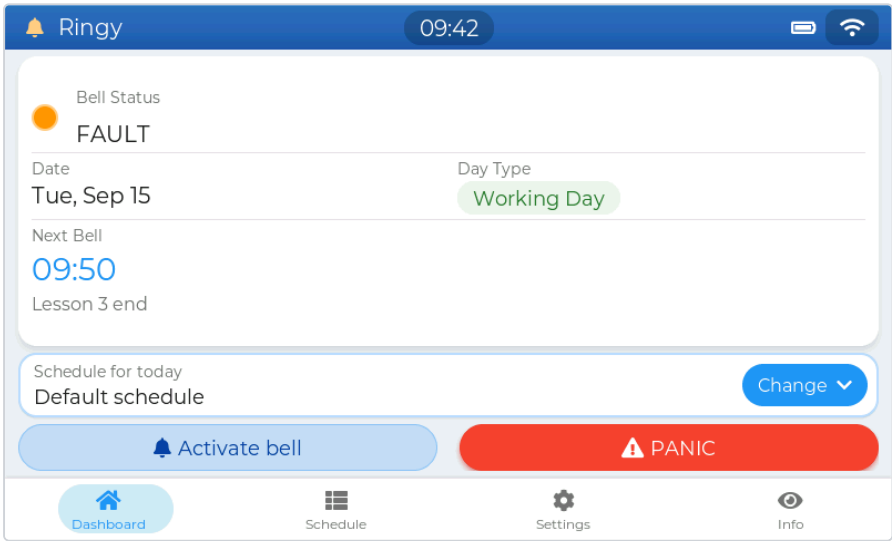
Every 1 December, RiNGY fetches next year's dates by itself and shows a banner at the top of the Schedule page. It does **not** apply them - press **Review**, check the list, and confirm.

6. What the screen is telling you

Bell status

Status	Meaning
Idle	Waiting for the next scheduled bell
Ringinɡ	Sounding now
PANIC	Ringinɡ continuously until stopped
FAULT	The circuit could not be confirmed switched off

FAULT is not the same as idle. RiNGY told the bell circuit to switch off and never got confirmation that it did.

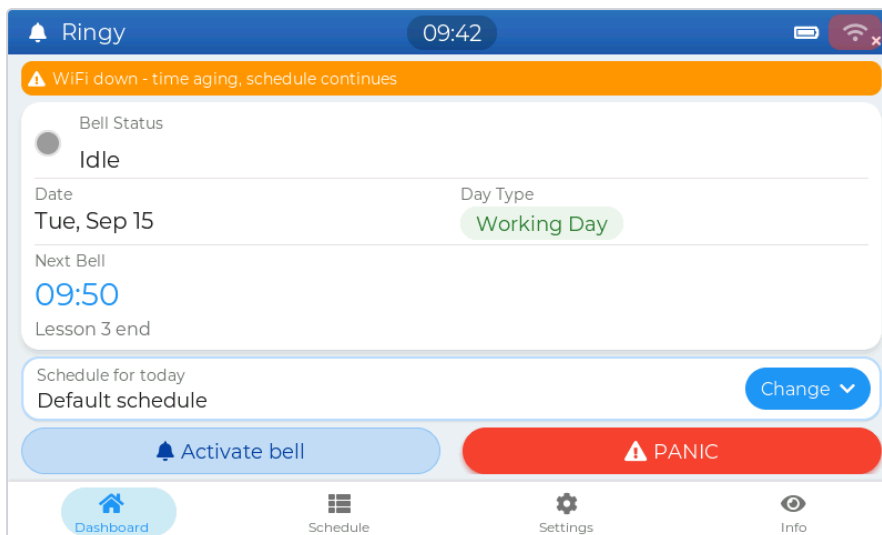


FAULT: the bell circuit could not be confirmed off.

Check whether the bell is actually silent. If it is still ringing, cut power to the bell circuit at the distribution board and call support. Restarting clears the state, not the cause.

Clock warnings

RiNGY corrects its clock over the network. The longer it goes without doing so, the less it trusts itself.



Over 7 days without a clock sync: a warning, and the bells still ring.

Time since the last sync	What happens
Never synced	Bells are suspended
Up to 7 days	Bells ring normally, no message
7 to 14 days	Bells ring, with a warning on screen
Over 14 days	Bells are suspended

Losing Wi-Fi for a day or two changes nothing. Losing it for a fortnight stops the bells - deliberately. A bell at the wrong time disrupts every lesson in the building; a bell that does not ring gets noticed and reported. Reconnect to a network with internet access and ringing resumes by itself within a few minutes. Nothing in your schedule is lost.

The clock backup battery

A **CR927 3 V** cell keeps the time while the power is off. It lasts about three years.

RiNGY cannot measure it. It can only tell whether the clock survived a real power cut, so a newly fitted cell reads **Fitted, awaiting verification** until the building next loses power. That is normal and not a fault - restarting from the menu does not count, because the unit never actually loses power.

After fitting a new cell, confirm it in **Settings** → **System** → **Battery replaced** so the three-year reminder restarts.

7. If something is wrong

Symptom	What to do
No bell at the right time	Check Schedule → Today - is today a day off, or covered by an exception?
The screen is dark	It sleeps after a minute. Touch it
<code>ringy.local</code> will not open	Use the IP address shown on the Info screen
Bells stopped altogether	The clock has not synchronised for over 14 days. Check Wi-Fi
Signed out unexpectedly	Someone else signed in. One session at a time
A weekday has no bells	Its template is empty, or the day is not a working day in Settings → General
Time wrong by exactly one hour	The time zone, not the clock. Settings → General
Forgotten PIN	Only a factory reset clears it, and that erases the schedule. Call support first

WHEN YOU CONTACT SUPPORT

Have the software version and the MAC address ready - both are on the **Info** screen - along with what the screen showed and what the bell did.