

Operating instructions



Get your firing process on your smartphone - the leading app for your kiln. And much more!

1. Installing the app



Use your smartphone to scan the QR and the display will appear as on the right. Tap the  icon at the bottom and slide up the content so that "Add to Home Screen" becomes visible. Once selected, the SuperWise App will appear, which you install on your smartphone by clicking on "Add". You are all set! Launch the SuperWise app from the icon on the home screen.

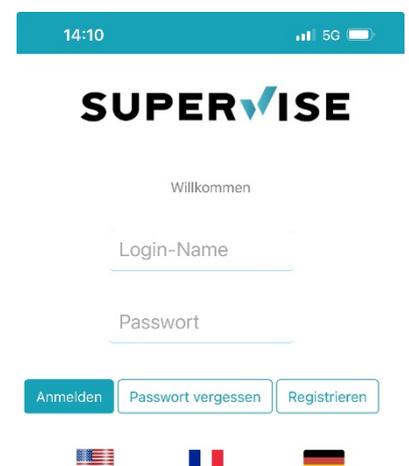
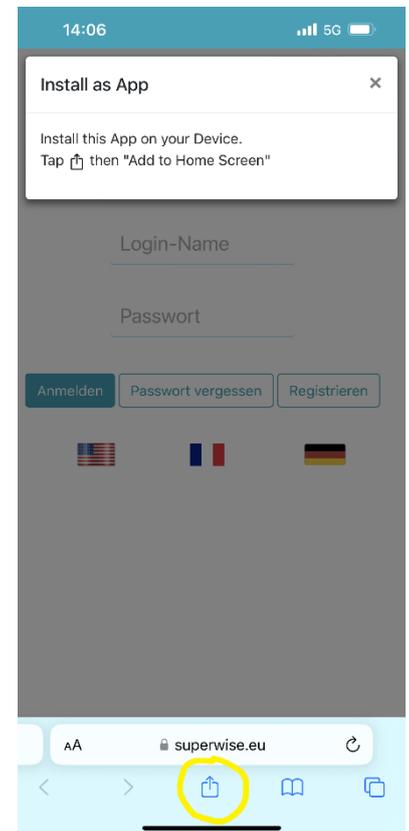


Why can't I find SuperWise in the Apple Store or Google Play? SuperWise uses the latest WPA technology, function and display is created individually for each user. Therefore, SuperWise is cross-platform and never needs an update! Hence you will NEITHER find SuperWise at the Apple Store nor at Google Play 😊.

2. Login in as a user

Launch SuperWise and tap "Register". Choose your username, email and password. You can also choose fantasy names for your first name and surname – SuperWise guarantees your privacy, so you may also have to solve a captcha when you log in for the first time. Tap on Sign up, after a few minutes you will receive a confirmation on the specified email.

If the email does not arrive, check your SPAM folder and the correct spelling of your email address



14:13 5G

SUPERWISE

Registrierung

Benutzername
Sarah1978

Email
Sarah@gmail.com

Vorname
Sarah

Nachname
Meyer

Passwort
cahra5-pUgwym-manf! Starkes Passwort

nochmal Passwort
cahra5-pUgwym-manf! Starkes Passwort

Ich bin kein Roboter. reCAPTCHA
Datenschutzklärung • Nutzungsbedingungen

Anmelden

superwise.eu

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SUPERWISE

Willkommen

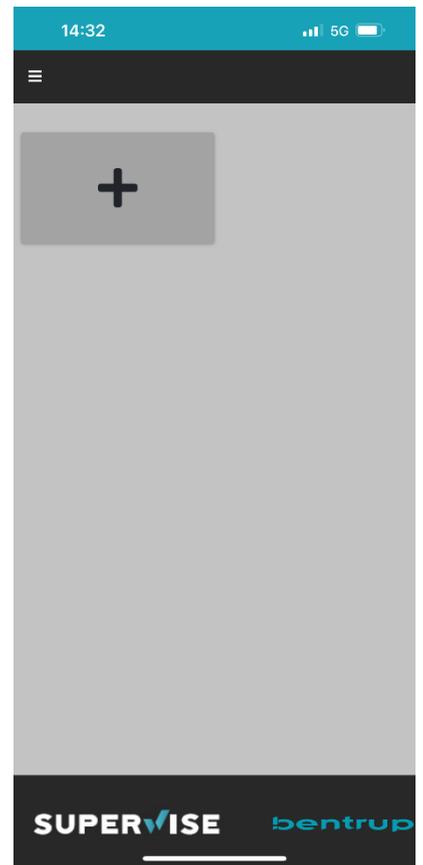
Bitte Registrierung über Link in Ihrem Emailpostfach bestätigen

Login-Name

Passwort

Anmelden Passwort vergessen Registrieren



After confirming via the link in the email, you can now log in to SuperWise. The overview page will appear at the top right. SuperWise is ready to pair the first controller!

3. Connect the controller to the Internet

Get your controller online so it can appear in SuperWise. This option is available with bentrup TC75/TC95, TC705/TC707, TC2066/TC2088 and TC-S2/TC-M2 and MODBUS.

See how to get online in the controller's user manual, in the step-by-step instructions [here](#) or scan QR

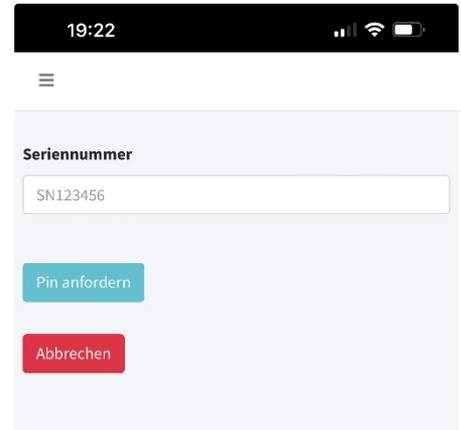
In most cases, competitor products do not meet the requirements of a professional data interface or fail in precision and performance to be good for SuperWise.



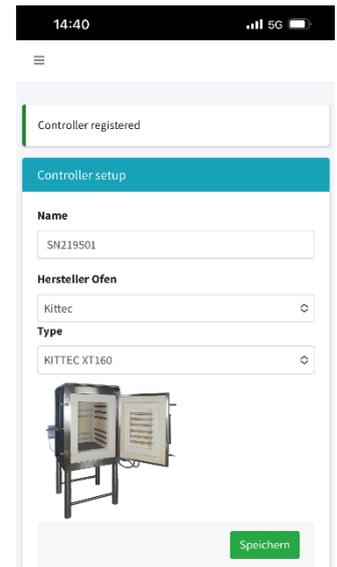
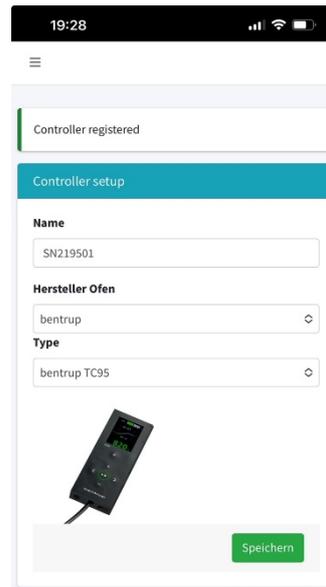
4. Pair the first unit

Press  on and the display on the right will appear. Enter the serial number of the controller (see nameplate on the back of the controller; alternatively, display when switched on, see controller instructions).

"Request PIN" will generate a PIN (e.g. TC95 PIN 5251), enter it on SuperWise and confirm the pairing process.



SuperWise now displays the bentrup model found, you can now select our technology partners and their models from the list. This makes the SuperWise furnace specifications accessible – the basis for extensive diagnostic functions.



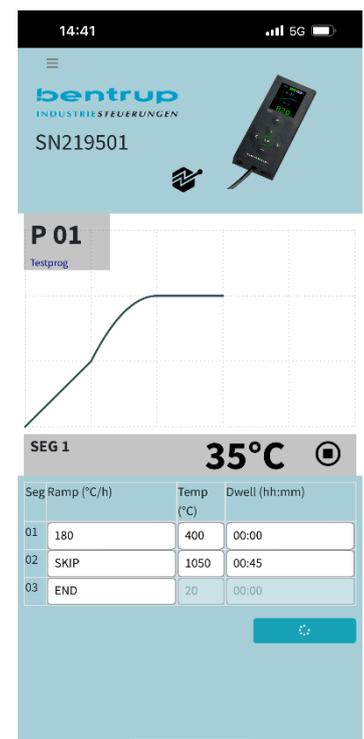
5. Working with SuperWise

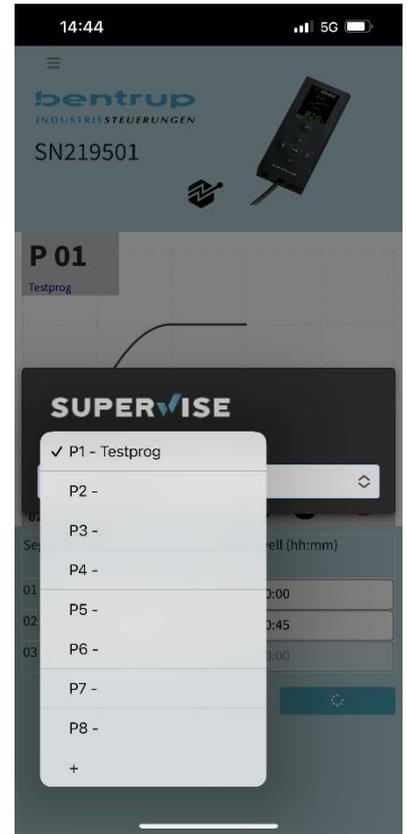
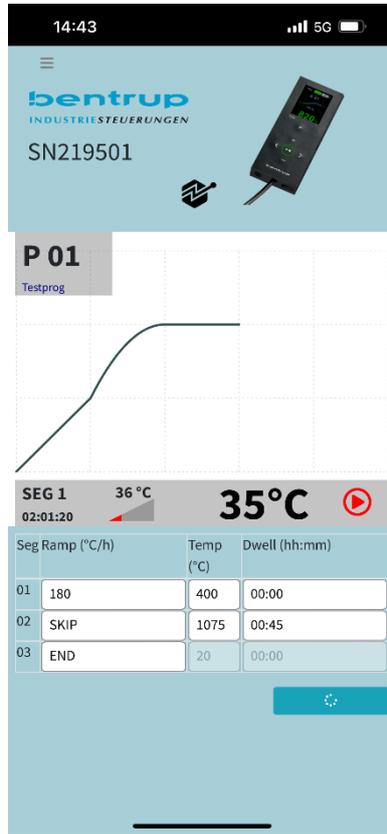
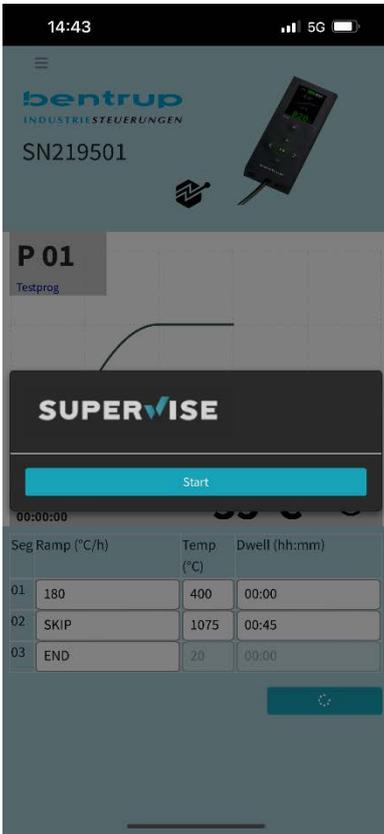
On the overview page, all furnaces or controllers with their current status are displayed. By tapping on it, you will get the detail display. Here the current program, program profile, current segment and furnace temperature are displayed.

In the program table below, the values can be viewed and changed, by pressing the refresh button they are transferred to the controller. Particularly charming: If you change a program on the controller, the change is visible in SuperWise within seconds.

Finally, start the firing by tapping on , target temperature, current heating and remaining time in the segment are displayed. The dotted vertical line shows the progress of the program.

For security reasons, launching programs via the App is blocked by default. Go to your user profile to enable this feature if needed.



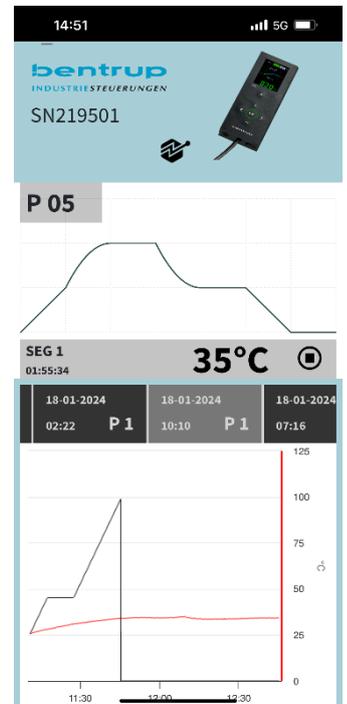
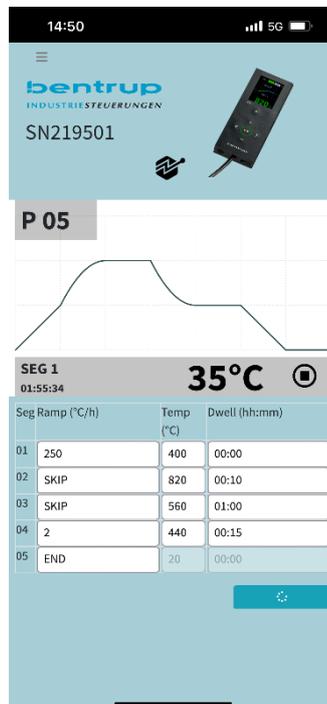


6. Additional features

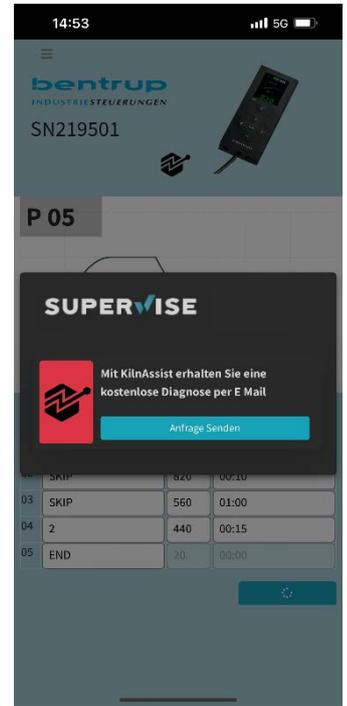
Swipe left on the program table to see the actual temperature curves of the last firings.

Select them and analyze the processes in detail – up to 30 days in the past.

Swiping to the right will take you back to the program table



bentrup KilnAssist is unique: Tap on the logo and  you will receive a diagnostic report by email with information on power consumption, operating hours and aging of the heating coils and much more.



7. SuperWise Desktop

While the SuperWise app focuses on the most important things, SuperWise Desktop is a powerful tool in the background. The access data and also the coupling of the controllers is identical. Quick overview of the features:

1. Configuration of alarm e-mails at certain temperatures, error messages, switching states
2. Retrieval of event logs for the last 6 months
3. Extended graphical representation of many temperatures including heating powers, switching states, etc.
4. Access and modification of the configuration (remote maintenance and diagnostics)
5. Assignment of names to programs and furnaces/controllers
6. Individual naming of temperature curves for multi-zone and batch furnaces
7. Creating an uplink to your own ftp servers for automatic upload of burning data (SuperWise Pro)
8. Configuring nested access rights by user (SuperWise Pro)

The screenshot displays the SuperWise Desktop interface. On the left is a dark sidebar with the user name 'Reinhard Bentrup' and a 'Logout' link. Below are navigation options: 'dashboard', 'logs', 'my kilns', and a list of kilns including 'TC707 Reiny', 'SN219501', 'Reiny's TC75', 'TC707x3 SN222224', 'TC705 Testregler S/N555555', 'Laboratory', and 'MK0150'. At the bottom of the sidebar is a 'manage devices' icon.

The main dashboard area is titled 'TC707 Reiny'. It features a large temperature display showing '28 °C'. To the right, a 'Zone 1' card shows 'Zone 1' with a current temperature of '28.1 °C' and a setpoint 'SP' of '0.0 °C'. Below the temperature, it indicates 'PROG 01', 'SEG 01: 01:44:36', and an error code 'E A4'.

On the right side of the dashboard, there are four quick-action buttons: 'program', 'controller config', 'logs', and 'config events'. Below these is a 'current events' section with a yellow background, listing three events from 12.2.2024 with timestamps and error codes (E A8, E A4) and a 'Guten Morgen | SP0: 52.2' message. Each event has an 'ok' button.

At the bottom, there is a 'config alarms' section with a 'get logs' button. It contains a table for configuring alarms:

select	message	lower limit	upper limit	on value error	email receivers (seperated by ;)	
SP0	Guten Morgen		33.0	<input checked="" type="checkbox"/>	[boss@bentrup.de]	<input type="button" value="delete"/>
choose...	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="button" value="save"/>
z.B. A4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="button" value="save"/>

8. SuperWise SmallTalk

Following Details which are too unimportant to be reported in detail, but too important not to mention:

1. A foreign language can be set in the user administration
2. For safety reasons, the starting or entire operation of the furnace can also be blocked
3. Setting whether a report including graphics and data should be sent automatically by email after the end of the fire
4. The PIN when pairing is always new, so access can be granted to the maintenance company and later prohibited again
5. A furnace/controller can be assigned to any number of users, the first user is the owner
6. The backend of SuperWise was created in 2017 from an IoT project with data rates of up to 2000 and user records per second; it is hosted on servers in Germany

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SuperWise Manual	FEB 13 th 2024	Be