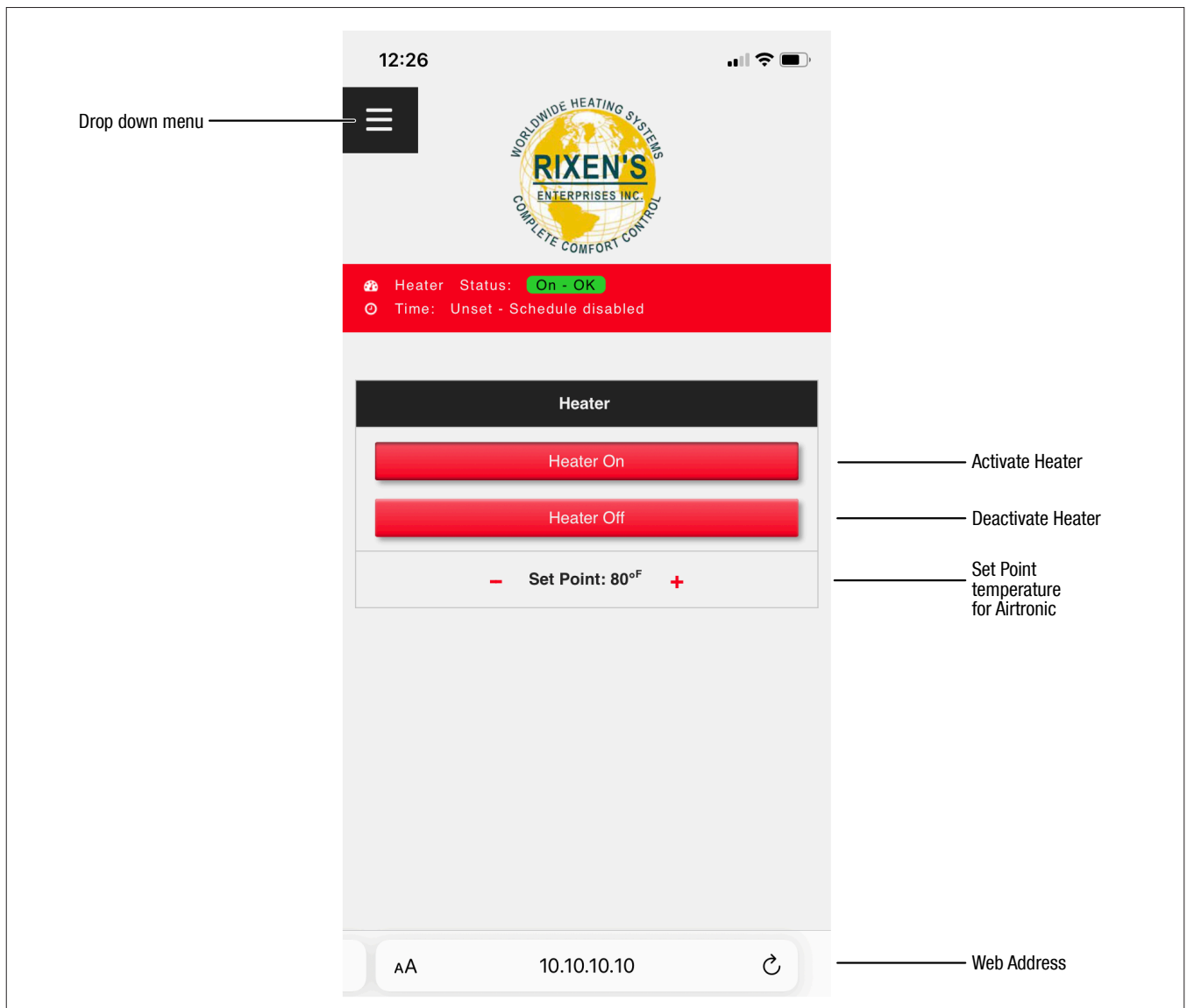


# Rixen's Wi-Fi Diagnostic Controller for Eberspaecher Heaters

**Purpose:** The device provides a live interface for operating and/or diagnosing Eberspaecher heaters. It can be used as the main controller of a heater or a diagnostics tool for existing applications. Please ensure that the Eberspaecher controller is disconnected from the heater to communicate properly with the diagnostic controller.

**Access:** Any computer, tablet or smartphone should be able to look at the website the diagnostics tool generates. Go to the Wi-Fi setup of your device and select the access point named "HEAT0000" The default password is: 12341234 Once you made that Wi-Fi connection, open a web browser, and type the following URL into the address bar: 10.10.10.10 Wi-Fi range is approximately 100ft (30.5M).

**Main Page:** Live data of the heater: Heater Status Will show 'On-OK' when "Heater On" has been selected. Temperature Set Point can be selected for the Airtronic heaters.



### Diagnostics Page:

This page will display a live interface of the operating heater once it has been activated (Heater On) from the Main Page.

The screenshot shows a mobile application interface for Rixen's Enterprises Inc. The top status bar displays the time 12:26 and signal strength. The app header includes a menu icon and the company logo with the tagline 'COMPLETE COMFORT CONTROL'. A red status bar indicates 'Heater Status: Off' and 'Time: Unset - Schedule disabled'. Below this is a 'Diagnostics' section with a table of sensor readings:

Diagnostics	
Runtime	4:55
Fan-Glow-Fuel	0 - 0 - 0.0
Inlet temp	66.9F
Outlet temp	64.0F
Flame Sensor	62.4F
Voltage	13.7 V
Air Pressure	981 hPa

Below the diagnostics table is a 'Heater Fault Codes' section:

Heater Fault Codes	
AF	000 - No fault - normal operation
F1	P000440 - Timeout, communication with control unit

At the bottom of the fault codes section are two red buttons: 'Reset Fault Codes' and 'Prime Fuel Pump (5s)'. The IP address '10.10.10.10' is visible at the very bottom of the screen.

Callouts on the right side of the image identify the following elements:

- Total Operating Hours (points to Runtime)
- Fan (RPM) - Glow Pin (Watts) - Fuel Pump (Hertz) (points to Fan-Glow-Fuel)
- Inlet Temperature (points to Inlet temp)
- Outlet Temperature (points to Outlet temp)
- Flame Sensor Temperature (points to Flame Sensor)
- Voltage at Heater (points to Voltage)
- Atmospheric Pressure (points to Air Pressure)
- Active Fault Code (points to AF 000)
- Stored Fault Codes (points to F1 P000440)
- Erase All Fault Codes (points to Reset Fault Codes button)
- Prime Fuel Lines for 5 Seconds (points to Prime Fuel Pump (5s) button)

**Prime Fuel Pump:** This is only useful for initial installation, or when the fuel line to the heater lost its prime (due to maintenance or an empty fuel tank). When selecting this button, the fuel pump will activate for 5 seconds. If in doubt, please do NOT use this function unless directed to do so by a technician.

### Schedule:

Select from 15 minutes to hourly/unlimited time of pre-set operation for a 7-day week.

The screenshot shows a mobile application interface for Rixen's Enterprises Inc. At the top, the time is 12:26. The app logo features a globe with the text "WORLDWIDE HEATING SYSTEMS", "RIXEN'S ENTERPRISES INC.", and "COMPLETE COMFORT CONTROL". Below the logo, a red status bar indicates "Heater Status: On - OK" and "Time: Unset - Schedule disabled".

The main section is titled "Schedule" and contains a table with 7 rows, one for each day of the week. Each row shows the day name, the status "Disabled", and a calendar icon with a plus sign. A red button labeled "Clear Schedule" is positioned below the table. At the bottom of the app, there is a footer with "AA", the IP address "10.10.10.10", and a refresh icon.

An overlay dialog box titled "Set Calendar" is open. It has a close button (X) in the top right corner. The dialog contains the following fields:

- "Set start time:" with three dropdown menus showing "1", "00", and "AM".
- "Set heat time:" with a dropdown menu showing "15 minutes".
- "Run once" with an unchecked checkbox.
- Two red buttons at the bottom: "OK" and "Cancel".

Two lines with arrows point from the "Run once" checkbox and the "15 minutes" dropdown in the dialog to the "Wed" row in the schedule table. A text box on the right side of the dialog explains: "If the user chooses 'Run once' the pre-set time will disappear after the run time. If the box is left blank the schedule will continue into the next 7-day week."

### Settings:

The settings page will allow the user to configure several options to customize the heater operation and setup.

The image displays a mobile application settings screen with several sections: **Settings** (with options: Set Clock, Set Heater Runtime, Controller Setup, Altitude Mode Setup, Wi-Fi Security Setup), **User Preferences** (Temperature: °F), and **Device Information** (Heater Run Time: Unlimited, SSID: HEAT92F322, Security: WPA2, Wireless Channel: 1, Altitude Mode: Automatic - 991 hPa, Controller Mode: Single Heater - CAN1). Below the settings are fields for AA, 10.10.10.10, and a refresh icon.

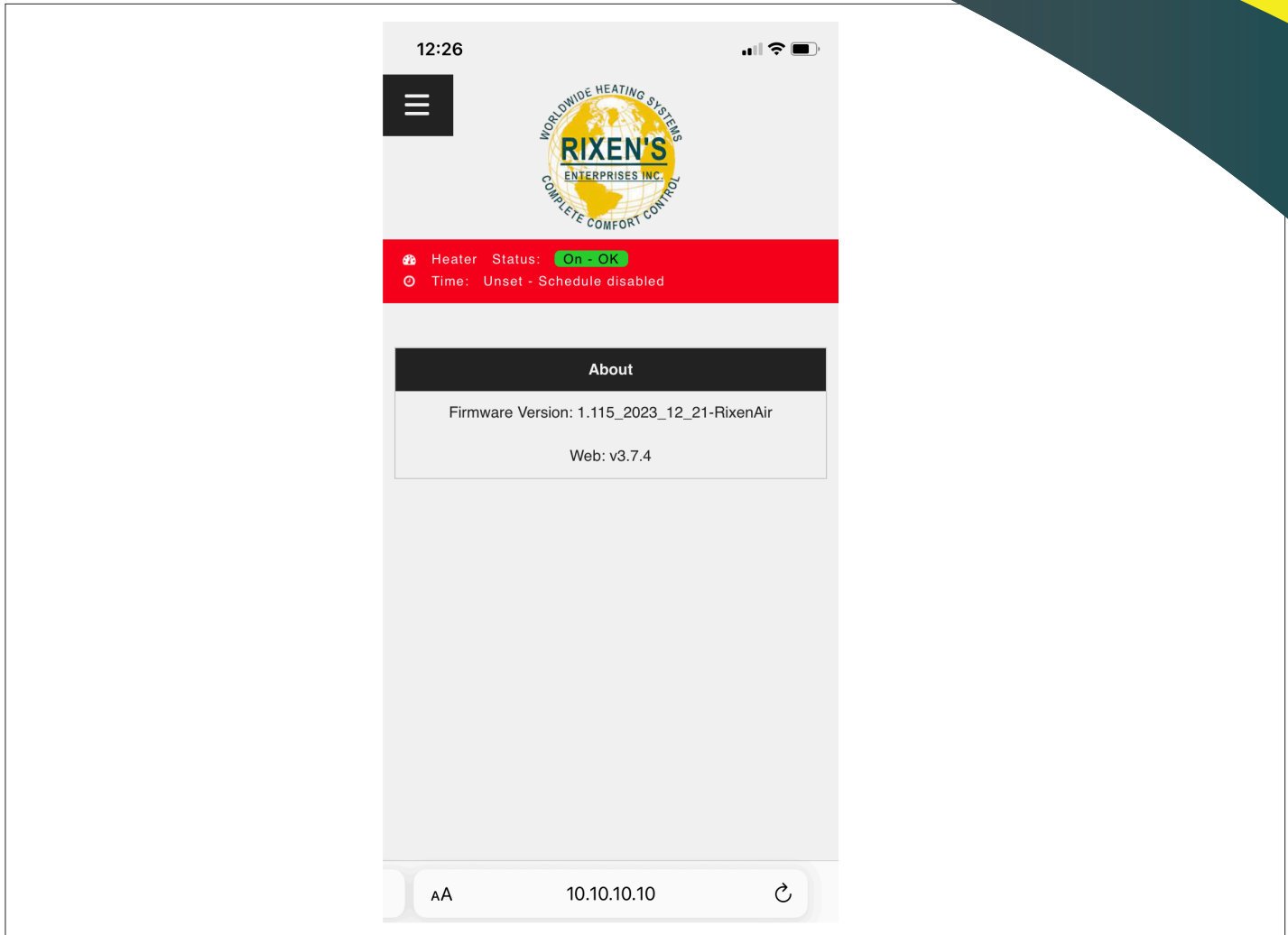
Four dialog boxes are shown, each corresponding to a settings option:

- Set Clock**: Set your local date/time for the 7-day calendar. Time may be lost if power is disconnected for a prolonged period of time. Fields: Wednesday, 1, 18, PM. Buttons: OK, Cancel. Description: Set day of week and time of day.
- Set Altitude Mode**: Altitude mode applies to CANBUS heaters only. If a heater has an altimeter installed, this manual altitude mode is ignored. Field: Normal. Buttons: OK, Cancel. Description: User can manually select above 1500 meters if the heater doesn't have automatic altitude adjustment.
- Set Default Heater Run Time**: Field: Unlimited. Buttons: OK, Cancel. Description: Set time for 15 mins to unlimited.
- Set Controller Mode**: Field: Single Heater - CAN1. Buttons: OK, Cancel. Description: Select one or two heaters to control.

**Wi-Fi Security Setup** dialog box details: Security Type: WPA2, WPA2 (Password is case-sensitive), Change Channel (If Required): 1, Enter Desired SSID: HEAT92F322. Buttons: OK, Cancel. Description: User can edit the Wi-Fi name and password.

### About:

Displays the Firmware version.



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