

Universal Web-Server Kit Installation Guide

All software and manuals available for download at
www.espec.com/manuals/webcon

1. Configure the RS232C settings on the chamber for the web-server.

- a. If the chamber has an SCP-220 controller, perform the following otherwise jump to step 1.b below.
 - i. If the chamber does not already have RS232C, refer to the included RS232C option installation instructions first.
 - ii. From the main Screen, press the  button immediately to the left of the clock.
 - iii. Select “RS-232C Setup”
 - iv. Confirm/change the settings to match Figure 1.



Figure 1: SCP220 RS232C Settings

- v. Press the “Prev. Screen” to save these settings.
- vi. Press the “Disp” button below the screen then select “Return to Main Menu”. Navigate to the following screen Time Signal Setup screen:
 1. “Chamber Setup”
 2. “Configuration”
 3. (11)“Service”
 4. Enter the password “3132” when prompted .
 5. (1) “System Configuration”
 6. (7) “Time Signals”



Figure 2: Time Signal Settings

- vii. Ensure that All of the Time Signals are turned on, and match Figure 2.
 If No 9, 11, 12 are on but not set to Time Signal # leave these settings to keep current chamber operation.
- viii. Press previous screen button then cycle power to the chamber via the circuit breaker.

- b. Configure a chamber with a P-300 controller
 - i. If the chamber does not already have RS232, refer to the included RS232 option installation instructions first.
 - ii. From the main Screen, select the  “Chamber Setup” Tab.
 - iii. Press the  “Configuration” option.
 - iv. Press the (2) “Set RS-232C Interface” option
 - v. Confirm/change the settings to match Figure 3
 - vi. Press the  “Save” button to save these configurations



Figure 3: P300 RS232 Settings.

- c. Configure a chamber with a Watlow F4T.
 - i. If the chamber does not already have RS232, refer to the included RS232 option installation instructions first.
 - ii. From the main screen, select the  button found below the screen.
 - iii. Press the Settings button.
 - iv. Press the Network button.
 - v. Select Modbus
 - vi. Ensure that the Modbus settings match those shown in figure 4.

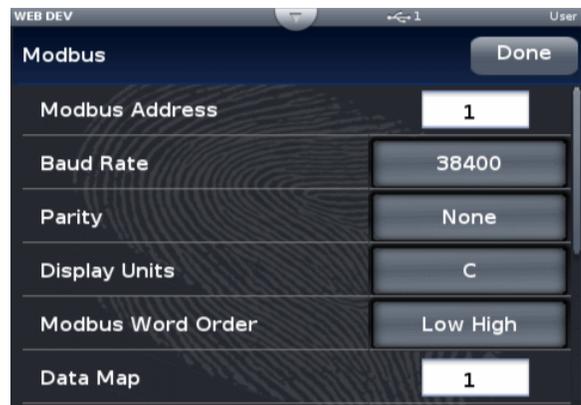


Figure 4: Watlow F4T RS232 Settings.

2. Configure the web controller for the chamber and network.

- a. If the target network supports DHCP (if you’re not sure, it probably does):
 - i. Connect the web controller to the chamber & network then apply power.
 - ii. Open a web browser and navigate to: <http://espec-default/> or <http://espec-default.local>
 - 1. If neither of those addresses work wait a few minutes and try again, if they still do not work consult the full user’s manual included digitally with this kit.
- b. If the target network will not allow DHCP to be used, or is currently unavailable connecting directly to the web controller via a cross over cable will work as well.
 - i. Connect the web controller via a cross over cable or through a hub/switch
 - ii. Configure the computer to use a manual IP address with the following settings:
 - 1. IP Address: 192.168.0.100
 - 2. Netmask: 255.255.255.0
 - 3. Gateway: 192.168.0.1
 - iii. Open a web browser and navigate to: <http://192.168.0.83/>
- c. Once successfully connected to the web controller for the first time a login prompt will appear use the following credentials:
 - i. **User Name:** admin
 - ii. **Password:** admin
- d. After accepting the terms of service a setup wizard will start that will walk the user through all required settings.