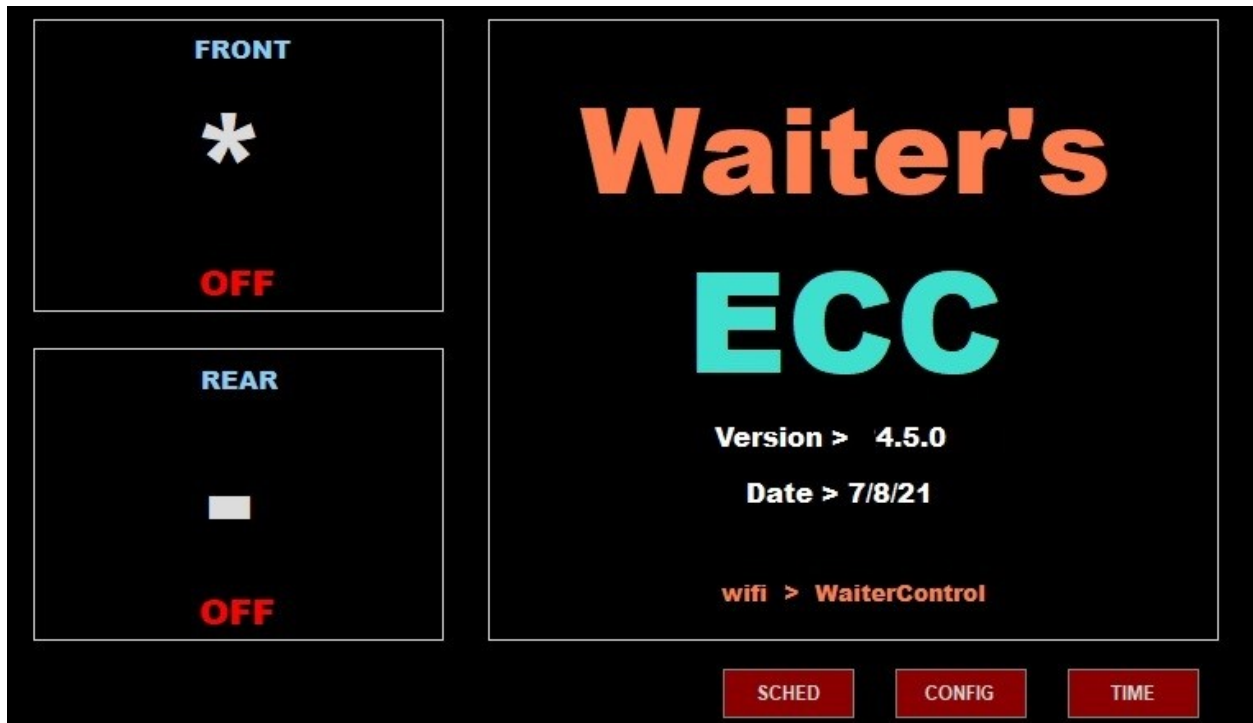


# Waiter ECC

Touchscreen 4.5.0 / Control board 2.6.0

July 9, 2021



## WIFI CONFIGURATION

[www.WaiterECC.com](http://www.WaiterECC.com)

# INTRODUCTION

Prior to version 4.5.0, all Waiter ECC touchscreen wifi access points (AP) came standard with the SSID name set to “WaiterControl”, this couldn’t be changed. The control circuit board was hard coded to look for this specific SSID and connect to it.

**IMPORTANT** - The touchscreen (AP) and the control circuit board **MUST** be on the same SSID or they won’t communicate with each other.

As of touchscreen software version 4.5.0, the user can select between two wifi SSID names for the AP, “WaiterControl” or “WaiterControl2”, and what wifi channel to use (channel 6 or 11)

As of control circuit board firmware version 2.6.0, the user can select either of the two SSID names, this is done by positioning a jumper on the circuit board (must be version 1.8 or higher). When jumper DI-5 is removed (default), SSID “WaiterControl” is used. When jumper DI-5 is installed, SSID “WaiterControl2” is used.

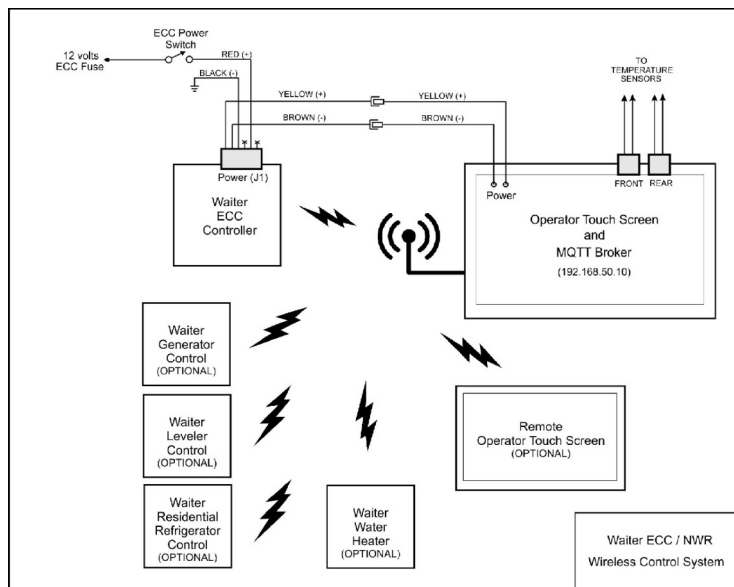
The control circuit board automatically switches channel between 6 and 11 to match whatever the touchscreen AP is set to

## **IMPORTANT NOTE:**

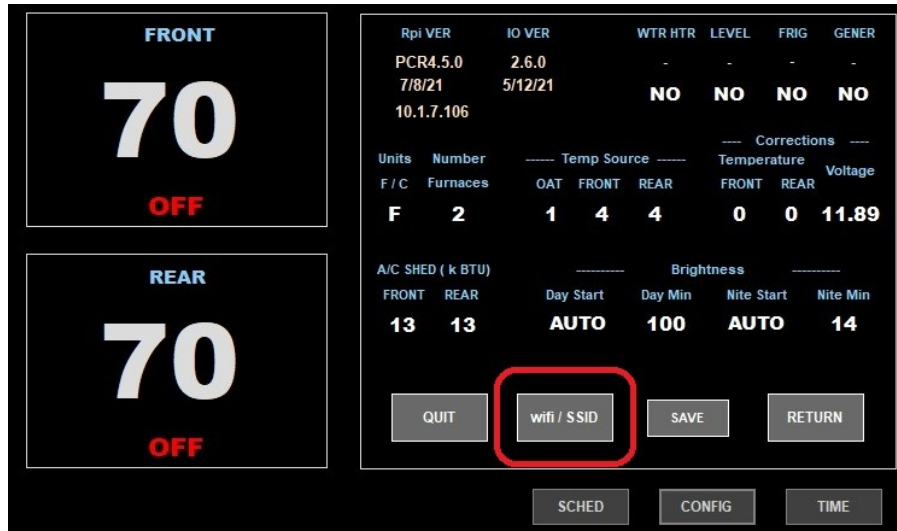
**To reduce the risk of accidentally changing the SSID, it can only be changed within the first 120 seconds after a system reboot. After that, the ability to make changes is disabled.**

## **REMOTE DISPLAY**

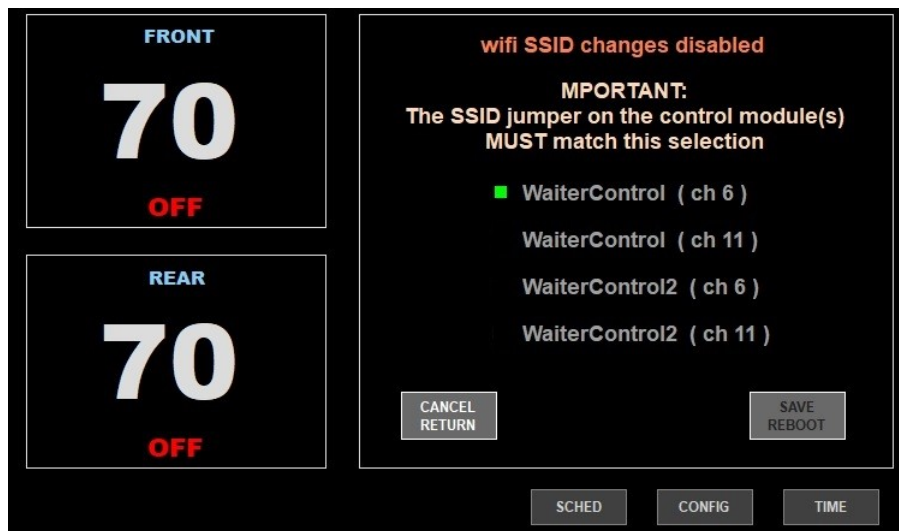
If a remote display is installed, its SSID must also be changed to match that of the main touchscreen. The remote display must also be updated to version 4.5.0\_REMOTE. Changing the remote display SSID is performed in the same fashion as the main touchscreen.



## CHANGE SSID ON TOUCH SCREEN



1) From the CONFIG screen, click on the wifi/SSID button



2) The current SSID (channel number) has a small green box beside it. Click on the SSID (channel number) to make your new selection. If the selection is allowed, it'll highlighted in green and the SAVE REBOOT button becomes enabled.

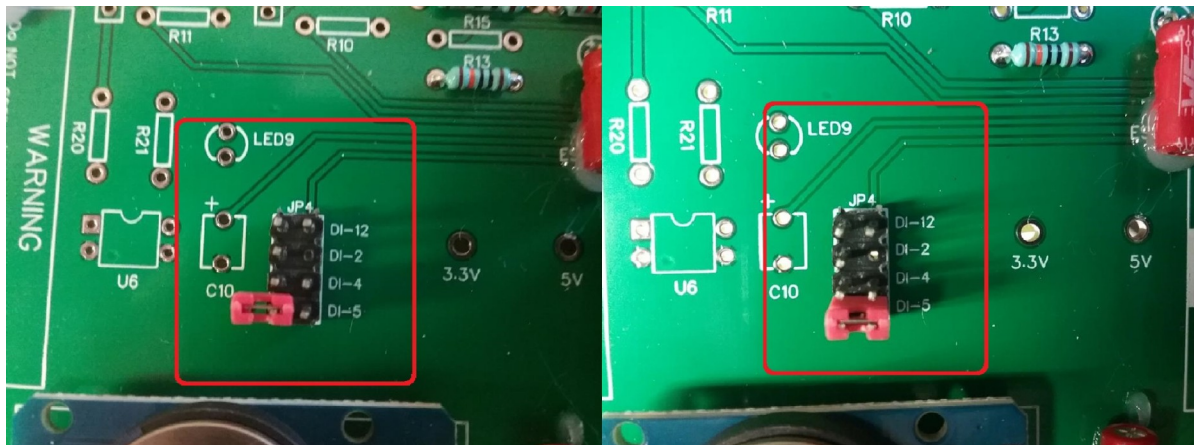
SAVE REBOOT – Re-writes the hostapd.conf file with the new SSID and channel number, then reboots the system. (On remote display, writes new SSID to wpa\_supplicant.conf file)

CANCEL RETURN – cancels your selection and returns to the time/date display screen.

## CHANGE SSID ON CONTROL CIRCUIT BOARD

The SSID selected on the circuit board **MUST** match the SSID assignment made on the touchscreen or they won't communicate.

Circuit board version number 1.8 and higher will have option jumper pin header JP4 installed. Pin DI-5 is used for the SSID assignment.



LEFT = Shows DI-5 is not shorted. The jumper is pushed onto one pin. This is its “storage” position. This is the default position and selects “WaiterControl” as the SSID

RIGHT = Shows the jumper is shorted to pin DI-5. When shorting the two pins, this selects “WaiterControl2” as the SSID.

The control board must be rebooted to read the new assignment from jumper DI-5

### A word about jumper header JP4

The pins on the left are grounds. The pins on the right go to the ESP32 processor chip

DI-12 > not currently used in the firmware – for future use.

DI-2 > this pin is removed from the JP4 header during assembly. (DI-2 is assigned to an ESP32 boot process and we didn't want it accidentally shorted)

DI-4 > not currently used in the firmware – for future use.

DI-5 > Used for SSID assignment (OPEN = WaiterControl, SHORTED = WaiterControl2)

## OTHER CHANGES IN VERSION 4.5.0 TOUCH SCREEN

### SPLASH SCREEN

When the touchscreen is booted, a Splash screen is displayed for about 30 seconds. Notice on the bottom of the screen the SSID and channel are now shown.



### QUIT SCREEN

- SHUTDOWN – Stops the WaterECC program only.
- REBOOT – Reboots the touchscreen computer
- CANCEL – Returns to the time/date screen

