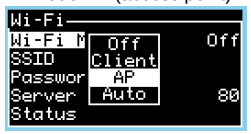
Quick WifFi and smartphone app configuration guide

SmarPID WiFi connection and initial setup

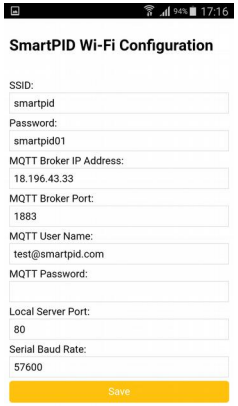
In order to connect smartPID controller to the home WiFi network and to pair with the remote app some initial configuration are needed

WiFi and password configuration

1) Power on smartPID and enter menu Connectivity/MQTT → WiFi and configure WiFi mode **AP** (access point)



2) Scan WiFi Network from your smartphone or any other WiFi device
3) Select special network SPC1000_XXXXXXXXXX and connect. The default password is **smartpid!**
4) Open internet browser and in the address bar digit **192.168.4.1**
5) Browser will land to a data form page that must be filled with proper values



WiFi network

WiFi Password

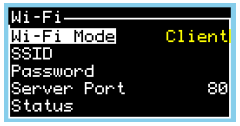
IP 18.196.43.33

1883

Username (from app sign-up)

PWD (from app sign-up)

6) Click on “save” button, smartPID will reboot
7) Enter menu Connectivity/MQTT → WiFi and configure WiFi mode **Client**



8) Verify in menu SSID and PWD the information correctness
9) In status menu if all process is OK you will find indication of “connected” stratus and IP address assigned by your home router
10) Enter menu Connectivity/MQTT →Logging and activate dat log via wifi. Configure proper sample time (min 5s)

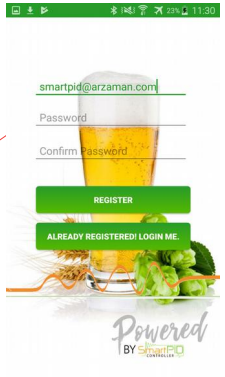
11) Finally verify in men Connectivity/MQTT →Logging → status the MQTT server connection

Android smart HomeBrewing app installation and configuration. Pairing with the smartPID thermostat

For remote smart thermostat control a dedicated smartphone app is needed. With same app it's possible to control and monitor more smartPID smart thermostat

1) Download the SmartPID smart homebrewing app from google play store and install on your android (5 or greater) smartphone

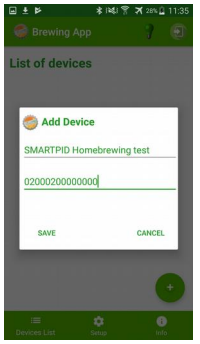
2) Perform the sign-up process inserting a valid email and a personal password, Note this value for smartPID initialization



3) Sign-in the application with the credentials created

4) In order to perform pairing between your smartPID devices and the app press the "+" symbol

5) Add a mnemonics name for your smartPID device and the serial number 14 charter string. Serial number is displayed during boot sequence



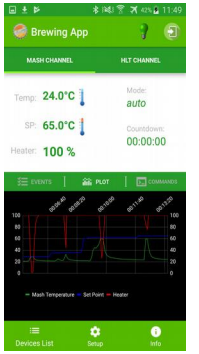
At this stage the app is ready to work and selecting the device, if all is OK, you enter the main control dashboard.

Android smart HomeBrewing app main features

Dedicated smartphone app allow you to remote control your brew-day process and interact with smartPID controller

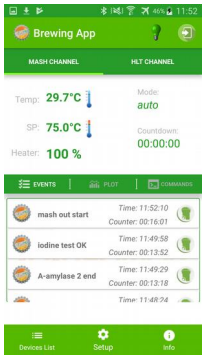
Main Dashboard

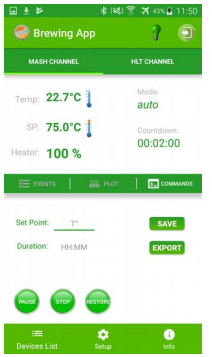
The control dashboard tab reports for MASH and HLT the main process values (temperature, set point, PWM percentage, timers...) and status either in alphanumeric or graphical format



Events and Commands

In the lower part of the app all events (process start, stop, set point reached, step mash, boil, hop additions..etc) and alarms generated by the application itself are notified. Selecting the command tab it’s possible to remotely interact with the controller by changing relevant parameter like set point and timer duration. Once completed the configuration it’s necessary to “save” and push to smartPID.





PAUSE/RESUME button allows to pause remotely the process, all output are disconnected and any timer is frozen.

STOP button exit the running process. Notice that is not possible to start the process remotely for safety resons

RESTORE button allow you to restore amaully the process after a power down (the auto-resume feature should be disabled in smartPID unit parameter)