

GUI user guide notes

Login

Login tab - Need to have a bmptoolbox.org username and password

Add a new irrigator (plc)

Irrigator Type: select CirrigPLC

Enter static IP address: e.g., 192.168.0.126

Number of outlets (solenoids controlled): e.g., 16

Number of counters (rain gauge tipper sensor inputs): e.g., 20

Hit 'Add irrigator' to add plc

Tab with new irrigator's IP address should appear

Irrigator tab

A. Options tab

1. establish irrigator groups

Max simultaneous – max no. of plc to run at same time

Irrigator log – output file name

Allow multiple groups – allows more than one group to run at same time

Group name – identifies the group

Group number – unique number given to the group

Hit 'add group' and new group should appear as new tab

2. Irrigation outlet Power -set of on and off buttons and status for each of the number of outlets

3. Irrigator counters – displays any counters established and current count number as well as 'reset' and 'all off'

B. Group tab

1. Add outlets to the group by selecting any free outlets available

2. input no. of outlets that can run simultaneously

3. For each added outlet, assign a CIRRIg zone (a list of CIRRIg zones will be available, 'none', 'fixed manual default', or 'fixed with rain').

a. CIRRIg zone – acquires output from CIRRIg

- b. None – turns off irrigation
 - c. Fixed manual default – irrigates manual default amount
 - d. Fixed rain – irrigates manual default amount except if rainfall after the last irrigation exceeds the amount
- 4. Other outlet parameters
 - a. Timer and Irrigation status – displays current values
 - b. Irrigation rate and amount – user enters these values
 - c. Min and max – provides limits in case irrigation amounts are unreasonable
- 5. Daily schedule for the group
 - a. select the number of daily irrigation cycles
 - b. select start times
- 6. Cycle mode – select continuous
- 7. Mode – selecting 'local' will run CIRRIIG locally on the pi and not rely on internet connection to CIRRIIG running on remote server
- 8. Rename and delete zone group
- 9. Add counter – if using tipplers, select available counters for the group

Example screenshots

